

December 31, 2020

Vista Work Order No. 2002434

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 November 10, 2020 under your Project Name 'GascoSiltronic: US Moorings'.

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. 2002434

Case Narrative

Sample Condition on Receipt:

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

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-DIOXIN 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 laboratory duplicate was performed on sample "USMPDI-021SC-A-04-05-201107". The RPDs were out of the acceptance criteria for 1,2,3,4,6,7,8-HpCDD; OCDD; 1,2,3,7,8,9-HxCDF; 1,2,3,4,6,7,8-HpCDF and OCDF.

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

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	25
Certifications.....	26
Sample Receipt.....	29
Extraction Information.....	34
Sample Data - EPA Method 1613.....	44
Continuing Calibration.....	500
Initial Calibration.....	643

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2002434-01	USMPDI-021SC-A-01-02-201107	07-Nov-20 11:00	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-02	USMPDI-021SC-A-02-03-201107	07-Nov-20 11:00	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-03	USMPDI-021SC-A-03-04-201107	07-Nov-20 11:00	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-04	USMPDI-021SC-A-04-05-201107	DUP07-Nov-20 11:00	10-Nov-20 10:08	Amber Glass, 120 mL Amber Glass, 120 mL
2002434-05	USMPDI-023SC-A-01-02-201107	07-Nov-20 08:45	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-06	USMPDI-023SC-A-02-03-201107	07-Nov-20 08:45	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-07	USMPDI-023SC-A-03-04-201107	07-Nov-20 08:45	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-08	USMPDI-023SC-A-04-05-201107	07-Nov-20 08:45	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-09	USMPDI-1023SC-A-02-03-201107	07-Nov-20 00:00	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-10	USMPDI-056SC-A-01-02-201107	07-Nov-20 13:30	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-11	USMPDI-056SC-A-02-03-201107	07-Nov-20 13:30	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-12	USMPDI-056SC-A-03-04-201107	07-Nov-20 13:30	10-Nov-20 10:08	Amber Glass, 120 mL
2002434-13	USMPDI-056SC-A-04-05-201107	07-Nov-20 13:30	10-Nov-20 10:08	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B			
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13		Lab Sample: B0L0016-BLK1 Date Analyzed: 11-Dec-20 18:21 Column: ZB-DIOXIN				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0160			IS 13C-2,3,7,8-TCDD	108	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0360			13C-1,2,3,7,8-PeCDD	115	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0408			13C-1,2,3,4,7,8-HxCDD	122	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0443			13C-1,2,3,6,7,8-HxCDD	112	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0423			13C-1,2,3,7,8,9-HxCDD	113	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.0429			13C-1,2,3,4,6,7,8-HpCDD	106	23 - 140	
OCDD	0.331			J	13C-OCDD	80.7	17 - 157	
2,3,7,8-TCDF	ND	0.0143			13C-2,3,7,8-TCDF	108	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0305			13C-1,2,3,7,8-PeCDF	111	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0265			13C-2,3,4,7,8-PeCDF	111	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0277			13C-1,2,3,4,7,8-HxCDF	110	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0268			13C-1,2,3,6,7,8-HxCDF	99.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0302			13C-2,3,4,6,7,8-HxCDF	105	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0422		13C-1,2,3,7,8,9-HxCDF	105	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0375			13C-1,2,3,4,6,7,8-HpCDF	79.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0333			13C-1,2,3,4,7,8,9-HpCDF	94.9	26 - 138	
OCDF	ND	0.0584			13C-OCDF	78.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	107	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 0.000099			
TOTALS								
Total TCDD	ND	0.0160						
Total PeCDD	ND		0.0403					
Total HxCDD	ND	0.0443						
Total HpCDD	ND	0.0429						
Total TCDF	ND	0.0143						
Total PeCDF	ND	0.0305						
Total HxCDF	ND		0.0566					
Total HpCDF	ND	0.0375						

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

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid	QC Batch: B0L0016	Lab Sample: B0L0016-BS1					
Sample Size: 10.0 g	Date Extracted: 03-Dec-2020 14:13	Date Analyzed: 11-Dec-20 12:04	Column: ZB-DIOXIN				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	20.3	20.0	101	67 - 158	IS 13C-2,3,7,8-TCDD	86.7	20 - 175
1,2,3,7,8-PeCDD	104	100	104	70 - 142	13C-1,2,3,7,8-PeCDD	90.2	21 - 227
1,2,3,4,7,8-HxCDD	100	100	100	70 - 164	13C-1,2,3,4,7,8-HxCDD	105	21 - 193
1,2,3,6,7,8-HxCDD	101	100	101	76 - 134	13C-1,2,3,6,7,8-HxCDD	101	25 - 163
1,2,3,7,8,9-HxCDD	99.1	100	99.1	64 - 162	13C-1,2,3,7,8,9-HxCDD	101	21 - 193
1,2,3,4,6,7,8-HpCDD	95.3	100	95.3	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	93.7	26 - 166
OCDD	207	200	103	78 - 144	13C-OCDD	71.5	13 - 199
2,3,7,8-TCDF	17.8	20.0	89.2	75 - 158	13C-2,3,7,8-TCDF	82.6	22 - 152
1,2,3,7,8-PeCDF	99.3	100	99.3	80 - 134	13C-1,2,3,7,8-PeCDF	87.1	21 - 192
2,3,4,7,8-PeCDF	99.5	100	99.5	68 - 160	13C-2,3,4,7,8-PeCDF	88.4	13 - 328
1,2,3,4,7,8-HxCDF	93.9	100	93.9	72 - 134	13C-1,2,3,4,7,8-HxCDF	92.3	19 - 202
1,2,3,6,7,8-HxCDF	93.5	100	93.5	84 - 130	13C-1,2,3,6,7,8-HxCDF	87.6	21 - 159
2,3,4,6,7,8-HxCDF	93.5	100	93.5	70 - 156	13C-2,3,4,6,7,8-HxCDF	93.5	22 - 176
1,2,3,7,8,9-HxCDF	94.9	100	94.9	78 - 130	13C-1,2,3,7,8,9-HxCDF	105	17 - 205
1,2,3,4,6,7,8-HpCDF	94.6	100	94.6	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	72.5	21 - 158
1,2,3,4,7,8,9-HpCDF	94.7	100	94.7	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	87.6	20 - 186
OCDF	194	200	97.2	63 - 170	13C-OCDF	77.1	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	93.8	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0L0154 Date Extracted: 22-Dec-2020 6:43		Lab Sample: B0L0154-BLK1 Date Analyzed: 30-Dec-20 14:16 Column: ZB-DIOXIN					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.128			IS 13C-2,3,7,8-TCDD	87.0	25 - 164		
1,2,3,7,8-PeCDD	ND	0.181			13C-1,2,3,7,8-PeCDD	89.2	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.180			13C-1,2,3,4,7,8-HxCDD	95.7	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.183			13C-1,2,3,6,7,8-HxCDD	92.7	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.178			13C-1,2,3,7,8,9-HxCDD	93.0	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.231			13C-1,2,3,4,6,7,8-HpCDD	74.1	23 - 140		
OCDD	ND	0.314			13C-OCDD	58.4	17 - 157		
2,3,7,8-TCDF	ND	0.0947			13C-2,3,7,8-TCDF	87.3	24 - 169		
1,2,3,7,8-PeCDF	ND	0.150			13C-1,2,3,7,8-PeCDF	84.4	24 - 185		
2,3,4,7,8-PeCDF	ND	0.139			13C-2,3,4,7,8-PeCDF	86.1	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.0908			13C-1,2,3,4,7,8-HxCDF	90.9	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.0887			13C-1,2,3,6,7,8-HxCDF	87.2	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.0971			13C-2,3,4,6,7,8-HxCDF	91.4	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.127			13C-1,2,3,7,8,9-HxCDF	88.6	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.114			13C-1,2,3,4,6,7,8-HpCDF	75.9	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.116			13C-1,2,3,4,7,8,9-HpCDF	76.3	26 - 138		
OCDF	ND	0.243			13C-OCDF	60.2	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	91.1	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.00		
TOTALS									
Total TCDD	ND	0.128							
Total PeCDD	ND	0.181							
Total HxCDD	ND	0.183							
Total HpCDD	ND	0.231							
Total TCDF	ND		0.137						
Total PeCDF	ND	0.150							
Total HxCDF	ND	0.127							
Total HpCDF	ND	0.116							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid	QC Batch: B0L0154		Lab Sample: B0L0154-BS1				
Sample Size: 10.0 g	Date Extracted: 22-Dec-2020 6:43		Date Analyzed: 30-Dec-20 11:57 Column: ZB-DIOXIN				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	21.0	20.0	105	67 - 158	IS 13C-2,3,7,8-TCDD	92.4	20 - 175
1,2,3,7,8-PeCDD	102	100	102	70 - 142	13C-1,2,3,7,8-PeCDD	87.1	21 - 227
1,2,3,4,7,8-HxCDD	101	100	101	70 - 164	13C-1,2,3,4,7,8-HxCDD	93.1	21 - 193
1,2,3,6,7,8-HxCDD	98.2	100	98.2	76 - 134	13C-1,2,3,6,7,8-HxCDD	94.4	25 - 163
1,2,3,7,8,9-HxCDD	96.1	100	96.1	64 - 162	13C-1,2,3,7,8,9-HxCDD	90.5	21 - 193
1,2,3,4,6,7,8-HpCDD	105	100	105	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	74.0	26 - 166
OCDD	203	200	102	78 - 144	13C-OCDD	60.8	13 - 199
2,3,7,8-TCDF	19.3	20.0	96.6	75 - 158	13C-2,3,7,8-TCDF	97.4	22 - 152
1,2,3,7,8-PeCDF	105	100	105	80 - 134	13C-1,2,3,7,8-PeCDF	87.8	21 - 192
2,3,4,7,8-PeCDF	111	100	111	68 - 160	13C-2,3,4,7,8-PeCDF	90.2	13 - 328
1,2,3,4,7,8-HxCDF	104	100	104	72 - 134	13C-1,2,3,4,7,8-HxCDF	94.7	19 - 202
1,2,3,6,7,8-HxCDF	106	100	106	84 - 130	13C-1,2,3,6,7,8-HxCDF	90.5	21 - 159
2,3,4,6,7,8-HxCDF	105	100	105	70 - 156	13C-2,3,4,6,7,8-HxCDF	93.4	22 - 176
1,2,3,7,8,9-HxCDF	106	100	106	78 - 130	13C-1,2,3,7,8,9-HxCDF	88.2	17 - 205
1,2,3,4,6,7,8-HpCDF	103	100	103	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	80.3	21 - 158
1,2,3,4,7,8,9-HpCDF	99.8	100	99.8	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	78.8	20 - 186
OCDF	219	200	109	63 - 170	13C-OCDF	64.4	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	97.1	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: USMPDI-021SC-A-01-02-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-01 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 15.0 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 11:00	% Solids: 67.1	Date Analyzed: 12-Dec-20 16:59 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.189		IS 13C-2,3,7,8-TCDD	92.7	25 - 164	
1,2,3,7,8-PeCDD	0.335			J	13C-1,2,3,7,8-PeCDD	104	25 - 181	
1,2,3,4,7,8-HxCDD	0.357			J	13C-1,2,3,4,7,8-HxCDD	109	32 - 141	
1,2,3,6,7,8-HxCDD	2.61				13C-1,2,3,6,7,8-HxCDD	103	28 - 130	
1,2,3,7,8,9-HxCDD	0.945			J	13C-1,2,3,7,8,9-HxCDD	105	32 - 141	
1,2,3,4,6,7,8-HpCDD	63.1				13C-1,2,3,4,6,7,8-HpCDD	111	23 - 140	
OCDD	879			B	13C-OCDD	95.5	17 - 157	
2,3,7,8-TCDF	10.9				13C-2,3,7,8-TCDF	89.9	24 - 169	
1,2,3,7,8-PeCDF	13.9				13C-1,2,3,7,8-PeCDF	107	24 - 185	
2,3,4,7,8-PeCDF	8.22				13C-2,3,4,7,8-PeCDF	104	21 - 178	
1,2,3,4,7,8-HxCDF	19.9				13C-1,2,3,4,7,8-HxCDF	101	26 - 152	
1,2,3,6,7,8-HxCDF	4.89				13C-1,2,3,6,7,8-HxCDF	95.2	26 - 123	
2,3,4,6,7,8-HxCDF	1.61			J	13C-2,3,4,6,7,8-HxCDF	102	28 - 136	
1,2,3,7,8,9-HxCDF	0.690			J	13C-1,2,3,7,8,9-HxCDF	99.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	16.6				13C-1,2,3,4,6,7,8-HpCDF	84.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	3.88				13C-1,2,3,4,7,8,9-HpCDF	101	26 - 138	
OCDF	33.1				13C-OCDF	90.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	93.9	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 8.52

TOTALS		
Total TCDD	1.75	2.05
Total PeCDD	2.38	3.50
Total HxCDD	23.9	
Total HpCDD	146	
Total TCDF	33.0	33.3
Total PeCDF	43.1	
Total HxCDF	44.0	
Total HpCDF	41.2	

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: USMPDI-021SC-A-02-03-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-02 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 13.5 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 11:00	% Solids: 74.2	Date Analyzed: 12-Dec-20 17:43 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.0627		IS 13C-2,3,7,8-TCDD	94.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0423			13C-1,2,3,7,8-PeCDD	103	25 - 181	
1,2,3,4,7,8-HxCDD	0.325			J	13C-1,2,3,4,7,8-HxCDD	106	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0748			13C-1,2,3,6,7,8-HxCDD	101	28 - 130	
1,2,3,7,8,9-HxCDD	0.220			J	13C-1,2,3,7,8,9-HxCDD	102	32 - 141	
1,2,3,4,6,7,8-HpCDD	9.70				13C-1,2,3,4,6,7,8-HpCDD	106	23 - 140	
OCDD	125			B	13C-OCDD	88.2	17 - 157	
2,3,7,8-TCDF	1.17				13C-2,3,7,8-TCDF	94.2	24 - 169	
1,2,3,7,8-PeCDF	32.1				13C-1,2,3,7,8-PeCDF	98.5	24 - 185	
2,3,4,7,8-PeCDF	11.1				13C-2,3,4,7,8-PeCDF	100	21 - 178	
1,2,3,4,7,8-HxCDF	102				13C-1,2,3,4,7,8-HxCDF	100	26 - 152	
1,2,3,6,7,8-HxCDF	21.1				13C-1,2,3,6,7,8-HxCDF	92.4	26 - 123	
2,3,4,6,7,8-HxCDF	4.89				13C-2,3,4,6,7,8-HxCDF	100	28 - 136	
1,2,3,7,8,9-HxCDF	5.17				13C-1,2,3,7,8,9-HxCDF	98.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	14.7				13C-1,2,3,4,6,7,8-HpCDF	81.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	5.37				13C-1,2,3,4,7,8,9-HpCDF	98.7	26 - 138	
OCDF	8.09				13C-OCDF	86.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	95.9	35 - 197	

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

TEQMinWHO2005Dioxin 18.1

TOTALS		
Total TCDD	0.519	0.697
Total PeCDD	0.530	0.831
Total HxCDD	4.34	
Total HpCDD	22.8	
Total TCDF	3.80	3.91
Total PeCDF	70.4	
Total HxCDF	158	
Total HpCDF	29.5	

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

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

Sample ID: USMPDI-021SC-A-03-04-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-03 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 14.0 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 11:00	% Solids: 71.9	Date Analyzed: 12-Dec-20 18:28 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.595		IS 13C-2,3,7,8-TCDD	99.5	25 - 164	
1,2,3,7,8-PeCDD	0.616			J	13C-1,2,3,7,8-PeCDD	105	25 - 181	
1,2,3,4,7,8-HxCDD	0.190			J	13C-1,2,3,4,7,8-HxCDD	109	32 - 141	
1,2,3,6,7,8-HxCDD	1.28			J	13C-1,2,3,6,7,8-HxCDD	102	28 - 130	
1,2,3,7,8,9-HxCDD	0.812			J	13C-1,2,3,7,8,9-HxCDD	102	32 - 141	
1,2,3,4,6,7,8-HpCDD	41.8				13C-1,2,3,4,6,7,8-HpCDD	106	23 - 140	
OCDD	573			B	13C-OCDD	84.1	17 - 157	
2,3,7,8-TCDF	6.11				13C-2,3,7,8-TCDF	98.4	24 - 169	
1,2,3,7,8-PeCDF	10.8				13C-1,2,3,7,8-PeCDF	105	24 - 185	
2,3,4,7,8-PeCDF	7.13				13C-2,3,4,7,8-PeCDF	105	21 - 178	
1,2,3,4,7,8-HxCDF	15.5				13C-1,2,3,4,7,8-HxCDF	101	26 - 152	
1,2,3,6,7,8-HxCDF	3.83				13C-1,2,3,6,7,8-HxCDF	93.7	26 - 123	
2,3,4,6,7,8-HxCDF	1.54			J	13C-2,3,4,6,7,8-HxCDF	99.7	28 - 136	
1,2,3,7,8,9-HxCDF	0.443			J	13C-1,2,3,7,8,9-HxCDF	101	29 - 147	
1,2,3,4,6,7,8-HpCDF	18.0				13C-1,2,3,4,6,7,8-HpCDF	82.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	2.65				13C-1,2,3,4,7,8,9-HpCDF	98.3	26 - 138	
OCDF	35.7				13C-OCDF	82.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	98.1	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 6.86

TOTALS								
Total TCDD	4.17		5.01					
Total PeCDD	4.42		4.98					
Total HxCDD	14.6							
Total HpCDD	95.6							
Total TCDF	19.6		20.0	P				
Total PeCDF	38.5							
Total HxCDF	36.7							
Total HpCDF	44.9							

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: USMPDI-021SC-A-04-05-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-04 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 11.7 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 11:00	% Solids: 86.3	Date Analyzed: 12-Dec-20 19:12 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0201			IS 13C-2,3,7,8-TCDD	104	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0304			13C-1,2,3,7,8-PeCDD	114	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0454			13C-1,2,3,4,7,8-HxCDD	114	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0464			13C-1,2,3,6,7,8-HxCDD	107	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0451			13C-1,2,3,7,8,9-HxCDD	108	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.20			J	13C-1,2,3,4,6,7,8-HpCDD	111	23 - 140	
OCDD	14.2			B	13C-OCDD	91.3	17 - 157	
2,3,7,8-TCDF	0.0979			J	13C-2,3,7,8-TCDF	105	24 - 169	
1,2,3,7,8-PeCDF	0.121			J	13C-1,2,3,7,8-PeCDF	116	24 - 185	
2,3,4,7,8-PeCDF	ND		0.0687		13C-2,3,4,7,8-PeCDF	111	21 - 178	
1,2,3,4,7,8-HxCDF	0.166			J	13C-1,2,3,4,7,8-HxCDF	108	26 - 152	
1,2,3,6,7,8-HxCDF	0.0555			J	13C-1,2,3,6,7,8-HxCDF	98.8	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0354			13C-2,3,4,6,7,8-HxCDF	107	28 - 136	
1,2,3,7,8,9-HxCDF	0.0400			J	13C-1,2,3,7,8,9-HxCDF	106	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.258			J	13C-1,2,3,4,6,7,8-HpCDF	86.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0407			13C-1,2,3,4,7,8,9-HpCDF	106	26 - 138	
OCDF	0.432			J	13C-OCDF	90.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	101	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0585

TOTALS			
Total TCDD	0.140		
Total PeCDD	0.174		
Total HxCDD	0.989		
Total HpCDD	3.02		
Total TCDF	0.273		
Total PeCDF	0.302	0.370	
Total HxCDF	0.477	0.521	
Total HpCDF	0.258	0.560	

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: USMPDI-021SC-A-04-05-201107	QC Batch: B0L0016	Lab Sample: B0L0016-DUP1
Source LabNumber: 2002434-04	Date Extracted: 03-Dec-2020 14:13	Date Analyzed: 13-Dec-20 13:14 Column: ZB-DIOXIN
Matrix: Solid		
Sample Size: 11.6 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.0348		IS 13C-2,3,7,8-TCDD	105	25 - 164	
1,2,3,7,8-PeCDD	0.0536			J	13C-1,2,3,7,8-PeCDD	112	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0451			13C-1,2,3,4,7,8-HxCDD	117	32 - 141	
1,2,3,6,7,8-HxCDD	0.0771			J	13C-1,2,3,6,7,8-HxCDD	109	28 - 130	
1,2,3,7,8,9-HxCDD	0.114			J	13C-1,2,3,7,8,9-HxCDD	108	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.83			J	13C-1,2,3,4,6,7,8-HpCDD	112	23 - 140	
OCDD	23.9			B	13C-OCDD	89.1	17 - 157	
2,3,7,8-TCDF	0.116			J	13C-2,3,7,8-TCDF	108	24 - 169	
1,2,3,7,8-PeCDF	0.152			J	13C-1,2,3,7,8-PeCDF	120	24 - 185	
2,3,4,7,8-PeCDF	0.0961			J	13C-2,3,4,7,8-PeCDF	117	21 - 178	
1,2,3,4,7,8-HxCDF	0.234			J	13C-1,2,3,4,7,8-HxCDF	107	26 - 152	
1,2,3,6,7,8-HxCDF	0.0759			J	13C-1,2,3,6,7,8-HxCDF	97.3	26 - 123	
2,3,4,6,7,8-HxCDF	0.0381			J	13C-2,3,4,6,7,8-HxCDF	104	28 - 136	
1,2,3,7,8,9-HxCDF	0.0576			J	13C-1,2,3,7,8,9-HxCDF	105	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.399			J	13C-1,2,3,4,6,7,8-HpCDF	83.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.0590			J	13C-1,2,3,4,7,8,9-HpCDF	101	26 - 138	
OCDF	0.974			J	13C-OCDF	86.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	104	35 - 197	

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

TEQMinWHO2005Dioxin 0.189

TOTALS		
Total TCDD	0.159	0.248
Total PeCDD	0.368	0.444
Total HxCDD	1.70	
Total HpCDD	4.66	
Total TCDF	0.352	
Total PeCDF	0.597	0.618
Total HxCDF	0.712	0.762
Total HpCDF	0.981	

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: USMPDI-021SC-A-04-05-201107					Duplicate Lab Sample: B0L0016-DUP1				
Source LabNumber: 2002434-04									
Matrix: Solid									
Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limits	Labeled Standard	Dup %R	Source %R	LCL-UCL	
2,3,7,8-TCDD	ND	ND	NA	35	IS 13C-2,3,7,8-TCDD	105	104	25 - 164	
1,2,3,7,8-PeCDD	0.0536	ND	#	35	13C-1,2,3,7,8-PeCDD	112	114	25 - 181	
1,2,3,4,7,8-HxCDD	ND	ND	NA	35	13C-1,2,3,4,7,8-HxCDD	117	114	32 - 141	
1,2,3,6,7,8-HxCDD	0.0771	ND	#	35	13C-1,2,3,6,7,8-HxCDD	109	107	28 - 130	
1,2,3,7,8,9-HxCDD	0.114	ND	#	35	13C-1,2,3,7,8,9-HxCDD	108	108	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.83	1.20	41.5	35	13C-1,2,3,4,6,7,8-HpCDD	112	111	23 - 140	
OCDD	23.9	14.2	51.2	35	13C-OCDD	89.1	91.3	17 - 157	
2,3,7,8-TCDF	0.116	0.0979	16.6	35	13C-2,3,7,8-TCDF	108	105	24 - 169	
1,2,3,7,8-PeCDF	0.152	0.121	22.9	35	13C-1,2,3,7,8-PeCDF	120	116	24 - 185	
2,3,4,7,8-PeCDF	0.0961	ND	#	35	13C-2,3,4,7,8-PeCDF	117	111	21 - 178	
1,2,3,4,7,8-HxCDF	0.234	0.166	33.7	35	13C-1,2,3,4,7,8-HxCDF	107	108	26 - 152	
1,2,3,6,7,8-HxCDF	0.0759	0.0555	31.1	35	13C-1,2,3,6,7,8-HxCDF	97.3	98.8	26 - 123	
2,3,4,6,7,8-HxCDF	0.0381	ND	#	35	13C-2,3,4,6,7,8-HxCDF	104	107	28 - 136	
1,2,3,7,8,9-HxCDF	0.0576	0.0400	36.1	35	13C-1,2,3,7,8,9-HxCDF	105	106	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.399	0.258	42.8	35	13C-1,2,3,4,6,7,8-HpCDF	83.6	86.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.0590	ND	#	35	13C-1,2,3,4,7,8,9-HpCDF	101	106	26 - 138	
OCDF	0.974	0.432	77.0	35	13C-OCDF	86.1	90.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	104	101	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: USMPDI-023SC-A-01-02-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-05 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 14.5 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 8:45	% Solids: 70.0	Date Analyzed: 13-Dec-20 13:58 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.103		IS 13C-2,3,7,8-TCDD	108	25 - 164	
1,2,3,7,8-PeCDD	0.194			J	13C-1,2,3,7,8-PeCDD	105	25 - 181	
1,2,3,4,7,8-HxCDD	0.195			J	13C-1,2,3,4,7,8-HxCDD	118	32 - 141	
1,2,3,6,7,8-HxCDD	1.08			J	13C-1,2,3,6,7,8-HxCDD	111	28 - 130	
1,2,3,7,8,9-HxCDD	0.566			J	13C-1,2,3,7,8,9-HxCDD	112	32 - 141	
1,2,3,4,6,7,8-HpCDD	27.0				13C-1,2,3,4,6,7,8-HpCDD	116	23 - 140	
OCDD	406			B	13C-OCDD	101	17 - 157	
2,3,7,8-TCDF	0.638				13C-2,3,7,8-TCDF	110	24 - 169	
1,2,3,7,8-PeCDF	1.36			J	13C-1,2,3,7,8-PeCDF	110	24 - 185	
2,3,4,7,8-PeCDF	0.815			J	13C-2,3,4,7,8-PeCDF	111	21 - 178	
1,2,3,4,7,8-HxCDF	2.14			J	13C-1,2,3,4,7,8-HxCDF	107	26 - 152	
1,2,3,6,7,8-HxCDF	0.797			J	13C-1,2,3,6,7,8-HxCDF	99.7	26 - 123	
2,3,4,6,7,8-HxCDF	0.408			J	13C-2,3,4,6,7,8-HxCDF	107	28 - 136	
1,2,3,7,8,9-HxCDF	0.0957			J	13C-1,2,3,7,8,9-HxCDF	107	29 - 147	
1,2,3,4,6,7,8-HpCDF	6.39				13C-1,2,3,4,6,7,8-HpCDF	87.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.567			J	13C-1,2,3,4,7,8,9-HpCDF	111	26 - 138	
OCDF	14.1				13C-OCDF	96.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	110	35 - 197	

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

TEQMinWHO2005Dioxin 1.54

TOTALS		
Total TCDD	1.15	1.26
Total PeCDD	1.92	2.29
Total HxCDD	11.4	
Total HpCDD	60.0	
Total TCDF	3.42	3.98
Total PeCDF	6.96	
Total HxCDF	9.51	9.59
Total HpCDF	16.4	

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: USMPDI-023SC-A-02-03-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-06 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 13.6 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 8:45	% Solids: 73.5	Date Analyzed: 13-Dec-20 14:42 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.0714		IS 13C-2,3,7,8-TCDD	94.0	25 - 164	
1,2,3,7,8-PeCDD	ND		0.0686		13C-1,2,3,7,8-PeCDD	97.1	25 - 181	
1,2,3,4,7,8-HxCDD	0.0533			J	13C-1,2,3,4,7,8-HxCDD	107	32 - 141	
1,2,3,6,7,8-HxCDD	0.159			J	13C-1,2,3,6,7,8-HxCDD	101	28 - 130	
1,2,3,7,8,9-HxCDD	0.165			J	13C-1,2,3,7,8,9-HxCDD	102	32 - 141	
1,2,3,4,6,7,8-HpCDD	4.19				13C-1,2,3,4,6,7,8-HpCDD	103	23 - 140	
OCDD	39.6			B	13C-OCDD	84.1	17 - 157	
2,3,7,8-TCDF	0.416			J	13C-2,3,7,8-TCDF	95.0	24 - 169	
1,2,3,7,8-PeCDF	0.293			J	13C-1,2,3,7,8-PeCDF	101	24 - 185	
2,3,4,7,8-PeCDF	0.247			J	13C-2,3,4,7,8-PeCDF	100	21 - 178	
1,2,3,4,7,8-HxCDF	0.413			J	13C-1,2,3,4,7,8-HxCDF	99.7	26 - 152	
1,2,3,6,7,8-HxCDF	0.141			J	13C-1,2,3,6,7,8-HxCDF	92.7	26 - 123	
2,3,4,6,7,8-HxCDF	0.0671			J	13C-2,3,4,6,7,8-HxCDF	99.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0318		13C-1,2,3,7,8,9-HxCDF	99.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.615			J	13C-1,2,3,4,6,7,8-HpCDF	78.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.100			J	13C-1,2,3,4,7,8,9-HpCDF	98.5	26 - 138	
OCDF	1.24			J	13C-OCDF	82.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	94.5	35 - 197	

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

TEQMinWHO2005Dioxin 0.286

TOTALS		
Total TCDD	0.211	0.311
Total PeCDD	0.326	0.725
Total HxCDD	2.95	
Total HpCDD	9.25	
Total TCDF	1.35	1.55
Total PeCDF	1.38	1.49
Total HxCDF	1.34	1.37
Total HpCDF	1.55	

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: USMPDI-023SC-A-03-04-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-07 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 13.8 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 8:45	% Solids: 72.6	Date Analyzed: 13-Dec-20 15:27 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0236			IS 13C-2,3,7,8-TCDD	84.9	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0286			13C-1,2,3,7,8-PeCDD	104	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0420			13C-1,2,3,4,7,8-HxCDD	111	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0438			13C-1,2,3,6,7,8-HxCDD	105	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0417			13C-1,2,3,7,8,9-HxCDD	110	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.89			J	13C-1,2,3,4,6,7,8-HpCDD	113	23 - 140	
OCDD	25.9			B	13C-OCDD	88.0	17 - 157	
2,3,7,8-TCDF	0.140			J	13C-2,3,7,8-TCDF	82.2	24 - 169	
1,2,3,7,8-PeCDF	0.122			J	13C-1,2,3,7,8-PeCDF	103	24 - 185	
2,3,4,7,8-PeCDF	ND		0.0833		13C-2,3,4,7,8-PeCDF	100	21 - 178	
1,2,3,4,7,8-HxCDF	0.133			J	13C-1,2,3,4,7,8-HxCDF	103	26 - 152	
1,2,3,6,7,8-HxCDF	0.0555			J	13C-1,2,3,6,7,8-HxCDF	95.9	26 - 123	
2,3,4,6,7,8-HxCDF	0.0327			J	13C-2,3,4,6,7,8-HxCDF	105	28 - 136	
1,2,3,7,8,9-HxCDF	0.0261			J	13C-1,2,3,7,8,9-HxCDF	102	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.505			J	13C-1,2,3,4,6,7,8-HpCDF	85.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0511			13C-1,2,3,4,7,8,9-HpCDF	103	26 - 138	
OCDF	2.49			J	13C-OCDF	86.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	83.3	35 - 197	

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

TEQMinWHO2005Dioxin 0.0749

TOTALS		
Total TCDD	0.179	
Total PeCDD	0.138	0.341
Total HxCDD	0.996	
Total HpCDD	4.44	
Total TCDF	0.497	
Total PeCDF	0.388	0.472
Total HxCDF	0.612	
Total HpCDF	1.65	

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: USMPDI-023SC-A-04-05-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-08 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 11.7 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 8:45	% Solids: 85.4	Date Analyzed: 13-Dec-20 16:11 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0227			IS 13C-2,3,7,8-TCDD	97.0	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0477			13C-1,2,3,7,8-PeCDD	101	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0418			13C-1,2,3,4,7,8-HxCDD	110	32 - 141	
1,2,3,6,7,8-HxCDD	0.0872			J	13C-1,2,3,6,7,8-HxCDD	103	28 - 130	
1,2,3,7,8,9-HxCDD	0.215			J	13C-1,2,3,7,8,9-HxCDD	105	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.32			J	13C-1,2,3,4,6,7,8-HpCDD	108	23 - 140	
OCDD	14.5			B	13C-OCDD	87.9	17 - 157	
2,3,7,8-TCDF	0.0501			J	13C-2,3,7,8-TCDF	98.0	24 - 169	
1,2,3,7,8-PeCDF	0.0638			J	13C-1,2,3,7,8-PeCDF	104	24 - 185	
2,3,4,7,8-PeCDF	0.0372			J	13C-2,3,4,7,8-PeCDF	98.6	21 - 178	
1,2,3,4,7,8-HxCDF	0.0554			J	13C-1,2,3,4,7,8-HxCDF	101	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0210			13C-1,2,3,6,7,8-HxCDF	93.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0232			13C-2,3,4,6,7,8-HxCDF	101	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.0469		13C-1,2,3,7,8,9-HxCDF	103	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0279			13C-1,2,3,4,6,7,8-HpCDF	80.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0226			13C-1,2,3,4,7,8,9-HpCDF	101	26 - 138	
OCDF	ND		0.0682		13C-OCDF	85.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	101	35 - 197	

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

TEQMinWHO2005Dioxin 0.0714

TOTALS			
Total TCDD	0.313		0.480
Total PeCDD	0.416		0.490
Total HxCDD	2.25		
Total HpCDD	3.84		
Total TCDF	0.147		
Total PeCDF	0.101		0.139
Total HxCDF	0.0837		0.177
Total HpCDF	ND	0.0279	

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: USMPDI-1023SC-A-02-03-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-09 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 13.3 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 0:00	% Solids: 75.7	Date Analyzed: 13-Dec-20 16:55 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0183			IS 13C-2,3,7,8-TCDD	101	25 - 164	
1,2,3,7,8-PeCDD	ND	0.0383			13C-1,2,3,7,8-PeCDD	106	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0351			13C-1,2,3,4,7,8-HxCDD	114	32 - 141	
1,2,3,6,7,8-HxCDD	0.128			J	13C-1,2,3,6,7,8-HxCDD	107	28 - 130	
1,2,3,7,8,9-HxCDD	0.120			J	13C-1,2,3,7,8,9-HxCDD	106	32 - 141	
1,2,3,4,6,7,8-HpCDD	2.88				13C-1,2,3,4,6,7,8-HpCDD	109	23 - 140	
OCDD	33.5			B	13C-OCDD	87.9	17 - 157	
2,3,7,8-TCDF	0.190			J	13C-2,3,7,8-TCDF	102	24 - 169	
1,2,3,7,8-PeCDF	0.890			J	13C-1,2,3,7,8-PeCDF	105	24 - 185	
2,3,4,7,8-PeCDF	0.350			J	13C-2,3,4,7,8-PeCDF	104	21 - 178	
1,2,3,4,7,8-HxCDF	2.42			J	13C-1,2,3,4,7,8-HxCDF	106	26 - 152	
1,2,3,6,7,8-HxCDF	0.898			J	13C-1,2,3,6,7,8-HxCDF	98.3	26 - 123	
2,3,4,6,7,8-HxCDF	0.189			J	13C-2,3,4,6,7,8-HxCDF	105	28 - 136	
1,2,3,7,8,9-HxCDF	0.0975			J	13C-1,2,3,7,8,9-HxCDF	103	29 - 147	
1,2,3,4,6,7,8-HpCDF	1.49			J	13C-1,2,3,4,6,7,8-HpCDF	85.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.321			J	13C-1,2,3,4,7,8,9-HpCDF	103	26 - 138	
OCDF	1.34			J	13C-OCDF	86.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	102	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.593

TOTALS			
Total TCDD	0.130		
Total PeCDD	0.149	0.434	
Total HxCDD	1.95		
Total HpCDD	6.82		
Total TCDF	0.623		
Total PeCDF	2.32	2.38	
Total HxCDF	4.70		
Total HpCDF	2.83		

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: USMPDI-056SC-A-01-02-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-10 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 22.4 g	QC Batch: B0L0154 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 13:30	% Solids: 49.4	Date Analyzed: 30-Dec-20 18:06 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.385		IS 13C-2,3,7,8-TCDD	90.3	25 - 164	
1,2,3,7,8-PeCDD	ND		0.676		13C-1,2,3,7,8-PeCDD	90.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND		0.830		13C-1,2,3,4,7,8-HxCDD	95.9	32 - 141	
1,2,3,6,7,8-HxCDD	3.88				13C-1,2,3,6,7,8-HxCDD	91.8	28 - 130	
1,2,3,7,8,9-HxCDD	1.80			J	13C-1,2,3,7,8,9-HxCDD	92.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	71.3				13C-1,2,3,4,6,7,8-HpCDD	82.4	23 - 140	
OCDD	706				13C-OCDD	70.8	17 - 157	
2,3,7,8-TCDF	8.42				13C-2,3,7,8-TCDF	93.2	24 - 169	
1,2,3,7,8-PeCDF	15.4				13C-1,2,3,7,8-PeCDF	92.8	24 - 185	
2,3,4,7,8-PeCDF	7.22				13C-2,3,4,7,8-PeCDF	99.7	21 - 178	
1,2,3,4,7,8-HxCDF	21.7				13C-1,2,3,4,7,8-HxCDF	92.4	26 - 152	
1,2,3,6,7,8-HxCDF	5.30				13C-1,2,3,6,7,8-HxCDF	92.6	26 - 123	
2,3,4,6,7,8-HxCDF	2.29				13C-2,3,4,6,7,8-HxCDF	92.3	28 - 136	
1,2,3,7,8,9-HxCDF	1.89			J	13C-1,2,3,7,8,9-HxCDF	92.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	14.0				13C-1,2,3,4,6,7,8-HpCDF	78.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	3.52				13C-1,2,3,4,7,8,9-HpCDF	84.2	26 - 138	
OCDF	36.2				13C-OCDF	71.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	95.6	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 8.27

TOTALS		
Total TCDD	4.18	6.13
Total PeCDD	2.61	6.33
Total HxCDD	32.9	33.7
Total HpCDD	162	
Total TCDF	30.4	34.2
Total PeCDF	45.0	47.4
Total HxCDF	60.0	
Total HpCDF	50.2	

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: USMPDI-056SC-A-02-03-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-11 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 20.4 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 13:30	% Solids: 49.1	Date Analyzed: 13-Dec-20 18:24 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.541		IS 13C-2,3,7,8-TCDD	48.6	25 - 164	
1,2,3,7,8-PeCDD	0.708			J	13C-1,2,3,7,8-PeCDD	74.3	25 - 181	
1,2,3,4,7,8-HxCDD	0.837			J	13C-1,2,3,4,7,8-HxCDD	93.6	32 - 141	
1,2,3,6,7,8-HxCDD	6.37				13C-1,2,3,6,7,8-HxCDD	91.9	28 - 130	
1,2,3,7,8,9-HxCDD	2.73				13C-1,2,3,7,8,9-HxCDD	104	32 - 141	
1,2,3,4,6,7,8-HpCDD	93.6				13C-1,2,3,4,6,7,8-HpCDD	109	23 - 140	
OCDD	988			B	13C-OCDD	85.6	17 - 157	
2,3,7,8-TCDF	5.08				13C-2,3,7,8-TCDF	43.8	24 - 169	
1,2,3,7,8-PeCDF	7.34				13C-1,2,3,7,8-PeCDF	71.9	24 - 185	
2,3,4,7,8-PeCDF	3.29				13C-2,3,4,7,8-PeCDF	59.5	21 - 178	
1,2,3,4,7,8-HxCDF	14.4				13C-1,2,3,4,7,8-HxCDF	84.7	26 - 152	
1,2,3,6,7,8-HxCDF	3.93				13C-1,2,3,6,7,8-HxCDF	82.8	26 - 123	
2,3,4,6,7,8-HxCDF	1.34			J	13C-2,3,4,6,7,8-HxCDF	95.3	28 - 136	
1,2,3,7,8,9-HxCDF	0.456			J	13C-1,2,3,7,8,9-HxCDF	91.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	17.4				13C-1,2,3,4,6,7,8-HpCDF	81.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	2.86				13C-1,2,3,4,7,8,9-HpCDF	94.9	26 - 138	
OCDF	47.9				13C-OCDF	84.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	50.0	35 - 197	

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

TEQMinWHO2005Dioxin 6.88

TOTALS		
Total TCDD	2.31	2.99
Total PeCDD	4.53	5.61
Total HxCDD	48.1	
Total HpCDD	194	
Total TCDF	18.2	20.7
Total PeCDF	26.2	
Total HxCDF	41.5	
Total HpCDF	49.2	

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: USMPDI-056SC-A-03-04-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-12 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 18.1 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 13:30	% Solids: 55.9	Date Analyzed: 13-Dec-20 19:08 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.0687		IS 13C-2,3,7,8-TCDD	101	25 - 164	
1,2,3,7,8-PeCDD	0.172			J	13C-1,2,3,7,8-PeCDD	98.1	25 - 181	
1,2,3,4,7,8-HxCDD	0.150			J	13C-1,2,3,4,7,8-HxCDD	106	32 - 141	
1,2,3,6,7,8-HxCDD	1.24			J	13C-1,2,3,6,7,8-HxCDD	101	28 - 130	
1,2,3,7,8,9-HxCDD	0.449			J	13C-1,2,3,7,8,9-HxCDD	100	32 - 141	
1,2,3,4,6,7,8-HpCDD	15.6				13C-1,2,3,4,6,7,8-HpCDD	101	23 - 140	
OCDD	168			B	13C-OCDD	78.9	17 - 157	
2,3,7,8-TCDF	1.10				13C-2,3,7,8-TCDF	101	24 - 169	
1,2,3,7,8-PeCDF	3.25				13C-1,2,3,7,8-PeCDF	102	24 - 185	
2,3,4,7,8-PeCDF	1.56			J	13C-2,3,4,7,8-PeCDF	101	21 - 178	
1,2,3,4,7,8-HxCDF	4.40				13C-1,2,3,4,7,8-HxCDF	98.8	26 - 152	
1,2,3,6,7,8-HxCDF	1.03			J	13C-1,2,3,6,7,8-HxCDF	91.3	26 - 123	
2,3,4,6,7,8-HxCDF	0.402			J	13C-2,3,4,6,7,8-HxCDF	97.3	28 - 136	
1,2,3,7,8,9-HxCDF	0.192			J	13C-1,2,3,7,8,9-HxCDF	103	29 - 147	
1,2,3,4,6,7,8-HpCDF	2.57				13C-1,2,3,4,6,7,8-HpCDF	78.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.455			J	13C-1,2,3,4,7,8,9-HpCDF	95.3	26 - 138	
OCDF	4.67			J	13C-OCDF	78.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	114	35 - 197	

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

TEQMinWHO2005Dioxin 1.87

TOTALS		
Total TCDD	0.427	0.495
Total PeCDD	0.703	1.29
Total HxCDD	8.54	
Total HpCDD	32.0	
Total TCDF	3.93	
Total PeCDF	9.90	
Total HxCDF	10.2	
Total HpCDF	6.86	

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: USMPDI-056SC-A-04-05-201107 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002434-13 Date Received: 10-Nov-2020 10:08
Project: GascoSiltronic: US Moorings	Sample Size: 17.7 g	QC Batch: B0L0016 Date Extracted: 03-Dec-2020 14:13
Date Collected: 07-Nov-2020 13:30	% Solids: 57.6	Date Analyzed: 14-Dec-20 17:37 Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.285		IS 13C-2,3,7,8-TCDD	94.1	25 - 164	
1,2,3,7,8-PeCDD	1.09			J	13C-1,2,3,7,8-PeCDD	106	25 - 181	
1,2,3,4,7,8-HxCDD	1.24			J	13C-1,2,3,4,7,8-HxCDD	110	32 - 141	
1,2,3,6,7,8-HxCDD	9.58				13C-1,2,3,6,7,8-HxCDD	104	28 - 130	
1,2,3,7,8,9-HxCDD	3.41				13C-1,2,3,7,8,9-HxCDD	103	32 - 141	
1,2,3,4,6,7,8-HpCDD	156				13C-1,2,3,4,6,7,8-HpCDD	104	23 - 140	
OCDD	1690			B	13C-OCDD	84.0	17 - 157	
2,3,7,8-TCDF	13.0				13C-2,3,7,8-TCDF	95.1	24 - 169	
1,2,3,7,8-PeCDF	18.0				13C-1,2,3,7,8-PeCDF	111	24 - 185	
2,3,4,7,8-PeCDF	10.1				13C-2,3,4,7,8-PeCDF	106	21 - 178	
1,2,3,4,7,8-HxCDF	39.1				13C-1,2,3,4,7,8-HxCDF	98.3	26 - 152	
1,2,3,6,7,8-HxCDF	8.57				13C-1,2,3,6,7,8-HxCDF	92.0	26 - 123	
2,3,4,6,7,8-HxCDF	2.73				13C-2,3,4,6,7,8-HxCDF	96.2	28 - 136	
1,2,3,7,8,9-HxCDF	0.862			J	13C-1,2,3,7,8,9-HxCDF	95.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	32.0				13C-1,2,3,4,6,7,8-HpCDF	76.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	6.40				13C-1,2,3,4,7,8,9-HpCDF	92.5	26 - 138	
OCDF	61.7				13C-OCDF	74.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	96.9	35 - 197	

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

TEQMinWHO2005Dioxin 15.0

TOTALS		
Total TCDD	2.80	3.20
Total PeCDD	7.09	8.32
Total HxCDD	67.3	
Total HpCDD	321	
Total TCDF	37.7	39.5
Total PeCDF	63.1	
Total HxCDF	90.1	
Total HpCDF	82.8	

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
K	EMPC (specific projects only)
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
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)

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

200 2434
1.2°C
3.3°C

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

COC ID: VISTA-20201107-144831
Sample Custodian: CO
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	USMPDI-021SC-A-01-02-201107	N	SE	11/07/2020	11:00	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
002	USMPDI-021SC-A-02-03-201107	N	SE	11/07/2020	11:00	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
003	USMPDI-021SC-A-03-04-201107	N	SE	11/07/2020	11:00	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
004	USMPDI-021SC-A-04-05-201107	N	SE	11/07/2020	11:00	2	<input checked="" type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
005	USMPDI-023SC-A-01-02-201107	N	SE	11/07/2020	8:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
006	USMPDI-023SC-A-02-03-201107	N	SE	11/07/2020	8:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
007	USMPDI-023SC-A-03-04-201107	N	SE	11/07/2020	8:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:					
Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature <i>[Signature]</i>	Signature <i>William R Wright</i>	Signature	Signature	Signature	Signature
Print Name <i>C. O. REED</i>	Print Name <i>William R Wright</i>	Print Name	Print Name	Print Name	Print Name
Company <i>AQ</i>	Company <i>VAL</i>	Company	Company	Company	Company
Date/Time <i>11/17/20 08:30</i>	Date/Time <i>11/16/20 10:09</i>	Date/Time	Date/Time	Date/Time	Date/Time

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

2002434
1.2°C
3.3°C

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

COC ID: VISTA-20201107-144831
Sample Custodian: CO
Lab: VISTA

COC Sample Number	Field Sample ID	Type	Sample Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
007	USMPDI-023SC-A-03-04-201107	N	SE	11/07/2020	8:45	1	<input type="checkbox"/>	Total solids (VISTA)	SM2540G	30	4°C
008	USMPDI-023SC-A-04-05-201107	N	SE	11/07/2020	8:45	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
009	USMPDI-1023SC-A-02-03-201107	FD	SE	11/07/2020		1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
010	USMPDI-056SC-A-01-02-201107	N	SE	11/07/2020	13:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
011	USMPDI-056SC-A-02-03-201107	N	SE	11/07/2020	13:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
012	USMPDI-056SC-A-03-04-201107	N	SE	11/07/2020	13:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
013	USMPDI-056SC-A-04-05-201107	N	SE	11/07/2020	13:30	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature	Signature	Signature	Signature
Print Name C. J. REIRO	Print Name William R. [Signature]	Print Name	Print Name	Print Name	Print Name
Company AQ	Company VAL	Company	Company	Company	Company
Date/Time 11/9/20 08:30	Date/Time 11/10/20 10:00	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

Page # 1 of 2

 Vista Work Order #: 2002434

 TAT Std

Samples Arrival:	Date/Time: 11/11/20 0927	Initials: KS	Location: WR-2
			Shelf/Rack: N/A
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
		<input type="checkbox"/> GLS	<input type="checkbox"/> DHL
			<input type="checkbox"/> Hand Delivered
			<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Techni Ice
			<input type="checkbox"/> Dry Ice
			<input type="checkbox"/> None
Temp °C: 1.2 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: R-3
Temp °C: 1.2 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Airbill <u>1 of 3</u> Trk # <u>1720 3138 9700</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input type="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 type="checkbox"/>	<input checked="" 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: 11/10/20 1223	Initials: KS	Location: WR-2
			Shelf/Rack: H-3
COC Anomaly/Sample Acceptance Form completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

Sample Log-In Checklist

 Page # 2 of 2

 Vista Work Order #: 2002434

 TAT std

Samples Arrival:	Date/Time: 11/10/20 10:00	Initials: JLW	Location: WR-2
			Shelf/Rack: NA
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"/> Techni Ice
	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None	
Temp °C: 3.3 (uncorrected)	Probe used: Y <input checked="" type="checkbox"/> N		Thermometer ID: IR-3
Temp °C: 3.3 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <u>3 of 3</u> Trk # <u>7720 3139 0151</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	Vista	<input checked="" type="checkbox"/> Client	Retain
		<input checked="" type="checkbox"/> Return	Dispose
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Logged In:	Date/Time: 11/10/20 1223	Initials: KS	Location: WR-2
			Shelf/Rack: H-3
COC Anomaly/Sample Acceptance Form completed?			<input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2002434

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
C3	2002434-01	A USMPDI-021SC-A-01-02-201107	<input checked="" type="checkbox"/>	07-Nov-20 11:00	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid
	2002434-02	A USMPDI-021SC-A-02-03-201107	<input checked="" type="checkbox"/>	07-Nov-20 11:00	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid
	2002434-03	A USMPDI-021SC-A-03-04-201107	<input checked="" type="checkbox"/>	07-Nov-20 11:00	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid
	2002434-04	A USMPDI-021SC-A-04-05-201107	<input checked="" type="checkbox"/>	07-Nov-20 11:00	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid DUP
C1	2002434-04	B USMPDI-021SC-A-04-05-201107	<input checked="" type="checkbox"/>	07-Nov-20 11:00	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid DUP
	2002434-05	A USMPDI-023SC-A-01-02-201107	<input checked="" type="checkbox"/>	07-Nov-20 08:45	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid
	2002434-06	A USMPDI-023SC-A-02-03-201107	<input checked="" type="checkbox"/>	07-Nov-20 08:45	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid
	2002434-07	A USMPDI-023SC-A-03-04-201107	<input checked="" type="checkbox"/>	07-Nov-20 08:45	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid
	2002434-08	A USMPDI-023SC-A-04-05-201107	<input checked="" type="checkbox"/>	07-Nov-20 08:45	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid
	2002434-09	A USMPDI-1023SC-A-02-03-201107	<input checked="" type="checkbox"/>	07-Nov-20 00:00	<input type="checkbox"/> OR	Amber Glass, 120 mL Solid
C3	2002434-10	A USMPDI-056SC-A-01-02-201107	<input checked="" type="checkbox"/>	07-Nov-20 13:30	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid
	2002434-11	A USMPDI-056SC-A-02-03-201107	<input checked="" type="checkbox"/>	07-Nov-20 13:30	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid
	2002434-12	A USMPDI-056SC-A-03-04-201107	<input checked="" type="checkbox"/>	07-Nov-20 13:30	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid
	2002434-13	A USMPDI-056SC-A-04-05-201107	<input checked="" type="checkbox"/>	07-Nov-20 13:30	<input checked="" type="checkbox"/>	Amber Glass, 120 mL Solid

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

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

Comments:

~~OR~~ No collection time listed on CoC
C1= cooler 1
C3= cooler 3

Verified by/Date: KS 11/11/20

EXTRACTION INFORMATION

Process Sheet
 Workorder: **2002434**

Prep Expiration: 2021-11-07
 Client: Anchor QEA, LLC

Workorder Due: 10-Dec-20 00:00

TAT: 30

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

Prep Batch: BOL0016

Prep Data Entered: GO 12/05/20
Date and Initials

Initial Sequence: SOL0024R

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2002434-01	<input checked="" type="checkbox"/>	USMPDI-021SC-A-01-02-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-02	<input checked="" type="checkbox"/>	USMPDI-021SC-A-02-03-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-03	<input checked="" type="checkbox"/>	USMPDI-021SC-A-03-04-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-04	<input checked="" type="checkbox"/>	USMPDI-021SC-A-04-05-201107	10-Nov-20 10:08	WR-2 H-3	DUP
2002434-05	<input checked="" type="checkbox"/>	USMPDI-023SC-A-01-02-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-06	<input checked="" type="checkbox"/>	USMPDI-023SC-A-02-03-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-07	<input checked="" type="checkbox"/>	USMPDI-023SC-A-03-04-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-08	<input checked="" type="checkbox"/>	USMPDI-023SC-A-04-05-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-09	<input checked="" type="checkbox"/>	USMPDI-1023SC-A-02-03-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-10	<input checked="" type="checkbox"/>	USMPDI-056SC-A-01-02-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-11	<input checked="" type="checkbox"/>	USMPDI-056SC-A-02-03-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-12	<input checked="" type="checkbox"/>	USMPDI-056SC-A-03-04-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-13	<input checked="" type="checkbox"/>	USMPDI-056SC-A-04-05-201107	10-Nov-20 10:08	WR-2 H-3	

WO Comments: 1613: 10g dw

Pre-Prep Check Out: CHT 11/13/20
 Pre-Prep Check In: CHT 11/13/20

Prep Check Out: RR 12/03/20
 Prep Check In: RR 12/03/20

Prep Reconciled Initials/Date: CHT 11/13/20

Spike Reconciled Initials/Date: RR 12/03/20

VialBoxID: Collipop ORNAMENT
GRB 12/15/2020

PREPARATION BENCH SHEET

Matrix: Solid

B0L0016

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 02-Dec-20 14:13

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
A1	B0L0016-BLK1	NA	(10.00)	RR ^{ME} 12/03/20	AO 12/04/20	NA	AO 12/05/20	AO 12/05/20	AO 12/05/20	AO ^{ME} 12/05/20
A2	B0L0016-BS1	↓	(10.00)							
A3	B0L0016-DUP1 2002434-04	11.59	11.62							
A4	2002431-05	18.70	18.70				brown			
A5	2002431-06	17.63	17.83							
A6	2002431-07 (4)	16.65	16.82							
A7	2002431-08	17.81	17.83							
A8	2002431-09 (3)	17.72	17.78							
A9	2002434-01	14.89	14.97							
A10	2002434-02	13.47	13.51							
A11	2002434-03	13.91	13.98							
A12	2002434-04	11.59	11.68							
B1	2002434-05	14.29	14.53							
B2	2002434-06	13.61	13.62							
B3	2002434-07	13.78	13.78							

IS: 20E1101, 10mL (4)	Cycle Time	APP: SEFUN (SOX) SDS	Check Out: Chemist/Date: RR 12/03/20	Soxhlet Siphoned Chemist/Date:	Notes: (A) Approached dryness on Soxhlet AO 12/04/20
NS: 20F0107, 10mL (4)	Start Date/Time 12/03/20 12:15	SOLV: Toluene	Check In: Chemist/Date: RR 12/03/20		
PS/CRS: 20ED701, 10mL (4)	Stop Date/Time 12/04/20 5:30	Other: NA	Balance ID: HRMS-08	Vial Transfer Chemist/Date: AO 12/05/20	
RS: 20H7502, 10mL (4)		Final Volume(s) C14 20mL			
Diox/F PCB PAH PEST PBDE HCB					

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

PREPARATION BENCH SHEET

Matrix: Solid

B0L0016

Chemist: RL

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 02-Dec-20 14:13

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
B4	2002434-08	11.70	11.74	RPME 12/03/20	AO 12/04/20	NA	AO 12/05/20	AO 12/05/20	AO 12/05/20	AO ME 12/05/20
B5	2002434-09	13.21	13.30	↓	↓	↓	↓	↓	↓	↓
B6	2002434-10	20.25	20.63	↓	↓	↓	↓	↓	↓	↓
B7	2002434-11	③ 20.37	20.42	↓	↓	↓	yellow ↓	↓	↓	↓
B8	2002434-12	③ 17.89	18.12	↓	↓	↓	↓	↓	↓	↓
B9	2002434-13	17.35	17.65	↓	↓	↓	↓	↓	↓	↓

IS: 20F1101, 10ML (V3)	Cycle Time	APP: SEFUN SOX SDS	Check Out: Chemist/Date: RR 12/03/20	Soxhlet Siphoned Chemist/Date:	Notes:
NS: 20F0107, 10ML (V4)	Start Date/Time 12/03/20	SOLV: Toluene	Check In: Chemist/Date: RR 12/03/20	Vial Transfer Chemist/Date: AO 12/05/20	
PS/CRS: 20E0701, 10ML (V1)	12:15	Other: NA	Balance ID: HRMS-08		
RS: 20H2502, 10ML (V6)	Stop Date/Time 12/04/20	Final Volume(s) C14 20ML			
Diox/F PCB PAH PEST PBDE HCB 530					

Comments:

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

Work Order 2002434

Batch: B0L0016

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2002431-05	18.7 ✓	53.46535	9.9980	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002431-06	17.83 ✓	56.72131	10.1134	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002431-07	16.82 ✓	60.06006	10.1021	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002431-08	17.83 ✓	56.13577	10.0090	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002431-09	17.78 ✓	56.43565	10.0343	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-01	14.97 ✓	67.14876	10.0522 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-02	13.51 ✓	74.21874	10.0270 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-03	13.98 ✓	71.91651	10.0539 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-04	11.68 ✓	86.28761	10.0784 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-05	14.53 ✓	69.96997	10.1666 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-06	13.62 ✓	73.45845	10.0050 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-07	13.78 ✓	72.5777	10.0012 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-08	11.74 ✓	85.4369	10.0303 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-09	13.3 ✓	75.70094	10.0682 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-10	20.63 ✓	49.375	10.1861	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-11	20.42 ✓	49.1018	10.0266 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-12	18.12 ✓	55.88235	10.1259 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002434-13	17.65 ✓	57.62711	10.1712 ✓	20	03-Dec-20 14:13	RR			Sediment	1613 Full List
B0L0016-BLK1	10			20	03-Dec-20 14:13	RR				QC
B0L0016-BS1	10			20	03-Dec-20 14:13	RR	20F0107	10		QC
B0L0016-DUP1	11.62 ✓	86.28761	10.0266	20 ✓	03-Dec-20 14:13	RR				QC

All bolded data on report verified against written benchsheet by (initial/date) AO 12/05/20

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0K0110

Analyst: CHT ✓ Analyte: Dried at 110°C +/- 5°C Oven ID: 01 ✓ 02	Test Code: %Moist/%Solids Units: %	Data Entry Verified by: (Initial and Date) RR 12/02/20 ✓
---	---	---

Inst **HRMS-09** ✓ Date/Time IN: 11/13/20 0:00 Date/Time OUT: 11/14/20 13:40 ✓

Particle Size	SampID	SampType	Initial and Date:	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	CI-	pH Before	pH After	Acid Added	Sample Homogenized*	
	2002434-01	A ✓	Sample	1.2900 ✓	6.1300 ✓	4.5400 ✓	3.2500	67.15	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-02	A ✓	Sample	1.2700 ✓	5.1100 ✓	4.1200 ✓	2.8500	74.22	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-03	A ✓	Sample	1.2700 ✓	6.5400 ✓	5.0600 ✓	3.7900	71.92	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-04	A ✓	Sample	1.2700 ✓	4.2600 ✓	3.8500 ✓	2.5800	86.29	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-05	A ✓	Sample	1.2700 ✓	4.6000 ✓	3.6000 ✓	2.3300	69.97	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-06	A ✓	Sample	1.2700 ✓	5.0000 ✓	4.0100 ✓	2.7400	73.46	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-07	A ✓	Sample	1.2800 ✓	6.7500 ✓	5.2500 ✓	3.9700	72.58	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-08	A ✓	Sample	1.2700 ✓	3.3300 ✓	3.0300 ✓	1.7600	85.44	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-09	A ✓	Sample	1.2700 ✓	5.5500 ✓	4.5100 ✓	3.2400	75.70	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-10	A ✓	Sample	1.2700 ✓	4.4700 ✓	2.8500 ✓	1.5800	49.38	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-11	A ✓	Sample	1.2700 ✓	4.6100 ✓	2.9100 ✓	1.6400	49.10	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-12	A ✓	Sample	1.2700 ✓	4.3300 ✓	2.9800 ✓	1.7100	55.88	MUD ✓	NA	NA	NA	NA	X ✓
	2002434-13	A ✓	Sample	1.2600 ✓	4.8000 ✓	3.3000 ✓	2.0400	57.63	MUD ✓	NA	NA	NA	NA	X ✓

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID BOK0110

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

Inst **HFD5-1**

Date/Time IN: 11/13/20 Date/Time OUT: 11/14/20
1340

* **CHT 11/13/20**

Particle Size	SampID	SampType	Initial and Date:		G		Dry Sample Weight (g)	%Solids RawVal	K L M N O				Sample Homogenized*	
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	CHT 11/13/20			CHT 11/13/20	Cl- Before	pH After	Acid Added		
	2002434-01	Sample	1.29	6.13	4.54									
	2002434-02	Sample	1.27	5.11	4.12									
	2002434-03	Sample	1.27	6.54	5.06									
	2002434-04	Sample	1.27	4.26	3.85									
	2002434-05	Sample	1.27	4.60	3.60									
	2002434-06	Sample	1.27	5.00	4.01									
	2002434-07	Sample	1.28	6.75	5.25									
	2002434-08	Sample	1.27	3.33	3.03									
	2002434-09	Sample	1.27	5.55	4.51									
	2002434-10	Sample	1.27	4.47	2.85									
	2002434-11	Sample	1.27	4.61	2.91									
	2002434-12	Sample	1.27	4.33	2.98									
	2002434-13	Sample	1.26	4.62	4.80	3.30								

*Sample homogenized in sample container unless otherwise noted.

Process Sheet
Workorder: 2002434

RX

CT 12/15/2020

Workorder Due: 10-Dec-20 00:00

Prep Expiration: 2021-11-07
Client: Anchor QEA, LLC

TAT: 30

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

RUSH!

Prep Batch: B0L0154

Prep Data Entered: DG 12/29/20
Date and Initials

Initial Sequence: SOL0075

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2002434-01	<input type="checkbox"/>	USMPDI-021SC-A-04-02-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-02	<input type="checkbox"/>	USMPDI-021SC-A-02-03-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-03	<input type="checkbox"/>	USMPDI-021SC-A-03-04-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-04	<input type="checkbox"/>	USMPDI-021SC-A-04-05-201107	10-Nov-20 10:08	WR-2 H-3	DUP
2002434-05	<input type="checkbox"/>	USMPDI-023SC-A-01-02-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-06	<input type="checkbox"/>	USMPDI-023SC-A-02-03-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-07	<input type="checkbox"/>	USMPDI-023SC-A-03-04-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-08	<input type="checkbox"/>	USMPDI-023SC-A-04-05-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-09	<input type="checkbox"/>	USMPDI-023SC-A-02-03-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-10	<input checked="" type="checkbox"/>	USMPDI-056SC-A-01-02-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-11	<input type="checkbox"/>	USMPDI-056SC-A-02-03-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-12	<input type="checkbox"/>	USMPDI-056SC-A-03-04-201107	10-Nov-20 10:08	WR-2 H-3	
2002434-13	<input type="checkbox"/>	USMPDI-056SC-A-04-05-201107	10-Nov-20 10:08	WR-2 H-3	

WO Comments: 1613: 10g dw

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

Prep Check Out: DG 12/22/20
Prep Check In: DG 12/22/20

Prep Reconciled Initials/Date: DG 12/22/20
Spike Reconciled Initials/Date: CHT 12/22/20
VialBoxID: GUMDROP

PREPARATION BENCH SHEET

Matrix: Solid

B0L0154

Chemist: DG

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 22-Dec-20 06:43

Column Packer: NA DG 12/23/20 DF 12/23/20 DG 12/23/20

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
D1	B0L0154-BLK1	NA	(10.00)	DG AM 12/22/20	DG RR 12/23/20	NA	DG 12/23/20	DG 12/23/20	DG 12/23/20	DG 12/23/20
D2	B0L0154-BS1	NA	(10.00)							
D3	2002434-10RE1	20.25	22.36							
D4	2002714-01	8.37	8.70							
D5	2002714-02	9.06	9.21							
D6	2002714-03	6.61	7.11							
D7	2002714-04	(A) 6.15	6.16							

(B)

IS: 20F1101, 10ml (V2)	Cycle Time	APP: SEFUN (SOX) (SDS)	Check Out: DG 12/22/20	Soxhlet Siphoned Chemist/Date: DG 12/22/20	Notes: (A) Went dry on Soxhlet 010 12/23/20
NS: 20F0107, 10ml (V4)	Start Date/Time: 12/22/20 1409	SOLV: TOLUENE	Check In: DG 12/22/20	DG 12/22/20	(B) Rx due to going dry on Soxhlet DG 12/23/20
PS/CRS: 20E0701, 10ml (V0)	Stop Date/Time: 12/23/20 0800	Other: NA	Balance ID: HRMS-9	DG 12/23/20	(C) Salmon rings on ABSG DG 12/23/20
RS: 20H2502, 10ml (V6)		Final Volume(s): 20ml C14			(D) Pale green w/ brown rings DG 12/23/20
Dioc/F PCB PAH PEST PBDE HCB					(E) Pale blue and green w/ brown and red rings DG 12/23/20

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

Batch: B0L0154

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2002434-10RE1	22.36 ✓	49.375	11.0403	20 ✓	03-Dec-20 14:13	RR			Sediment	1613 Full List
2002714-01	8.7 ✓	59.73154	5.1966	20 ✓	03-Dec-20 14:13	DG			Sediment	1613 Full List
2002714-02	9.21 ✓	55.20833	5.0847	20 ✓	03-Dec-20 14:13	DG			Sediment	1613 Full List
2002714-03	7.11 ✓	75.61349	5.3761	20 ✓	03-Dec-20 14:13	DG			Sediment	1613 Full List
2002714-04	6.76	74.32647	5.0245	20	03-Dec-20 14:13	DG			Sediment	1613 Full List
B0L0154-BLK1	10 ✓			20 ✓	22-Dec-20 06:43	DG				QC
B0L0154-BS1	10 ✓			20 ✓	22-Dec-20 06:43	DG	20F0107 ✓	10 ✓		QC

All bolded data on report verified against written benchsheet by (initial/date) DG 12/29/20

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\201211R1\201211R1-11.qld

Last Altered: Monday, December 14, 2020 11:08:04 AM Pacific Standard Time
Printed: Monday, December 14, 2020 11:08:39 AM Pacific Standard Time

GRB 12/14/2020

Method: Untitled 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

C7 12/14/2020

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-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	2,3,7,8-TCDD			NO	0.980	10.000	26.410		1.001				0.0160	
2	1,2,3,7,8-PeCDD			NO	0.932	10.000	31.094		1.001				0.0360	
3	1,2,3,4,7,8-HxCDD			NO	1.02	10.000	34.379		1.001				0.0408	
4	1,2,3,6,7,8-HxCDD			NO	0.902	10.000	34.504		1.001				0.0443	
5	1,2,3,7,8,9-HxCDD			NO	0.954	10.000	34.755		1.000				0.0423	
6	1,2,3,4,6,7,8-HpCDD			NO	0.918	10.000	38.222		1.000				0.0429	
7	OCDD	6.60e2	0.86	NO	0.866	10.000	41.113	41.12	1.000	1.000	0.33070		0.165	0.331
8	2,3,7,8-TCDF			NO	0.848	10.000	25.687		1.000				0.0143	
9	1,2,3,7,8-PeCDF			NO	0.960	10.000	29.815		1.000				0.0305	
10	2,3,4,7,8-PeCDF			NO	1.07	10.000	30.889		1.001				0.0265	
11	1,2,3,4,7,8-HxCDF			NO	0.986	10.000	33.457		1.000				0.0277	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.000	33.603		1.001				0.0268	
13	2,3,4,6,7,8-HxCDF			NO	1.02	10.000	34.264		1.001				0.0302	
14	1,2,3,7,8,9-HxCDF	2.29e2	0.91	YES	0.991	10.000	35.259	35.27	1.000	1.001	0.049210		0.0186	0.0422
15	1,2,3,4,6,7,8-HpCDF			NO	1.05	10.000	36.835		1.000				0.0375	
16	1,2,3,4,7,8,9-HpCDF			NO	1.18	10.000	38.828		1.000				0.0333	
17	OCDF			NO	0.896	10.000	41.406		1.000				0.0584	
18	13C-2,3,7,8-TCDD	1.61e6	0.79	NO	1.06	10.000	26.383	26.38	1.030	1.030	216.57	108	0.0894	
19	13C-1,2,3,7,8-PeCDD	1.27e6	0.64	NO	0.785	10.000	31.229	31.06	1.219	1.213	229.70	115	0.106	
20	13C-1,2,3,4,7,8-HxCDD	8.69e5	1.27	NO	0.621	10.000	34.348	34.36	1.014	1.014	243.22	122	0.356	
21	13C-1,2,3,6,7,8-HxCDD	9.49e5	1.26	NO	0.734	10.000	34.470	34.48	1.017	1.018	224.57	112	0.301	
22	13C-1,2,3,7,8,9-HxCDD	9.36e5	1.24	NO	0.723	10.000	34.755	34.74	1.026	1.025	224.91	112	0.306	
23	13C-1,2,3,4,6,7,8-HpCDD	6.93e5	1.04	NO	0.568	10.000	38.255	38.21	1.129	1.128	211.94	106	0.832	
24	13C-OCDD	9.22e5	0.87	NO	0.496	10.000	41.193	41.10	1.216	1.213	322.80	80.7	0.414	
25	13C-2,3,7,8-TCDF	2.18e6	0.77	NO	0.919	10.000	25.682	25.68	1.003	1.003	216.15	108	0.102	
26	13C-1,2,3,7,8-PeCDF	1.74e6	1.54	NO	0.715	10.000	29.938	29.81	1.169	1.164	221.76	111	0.215	
27	13C-2,3,4,7,8-PeCDF	1.68e6	1.60	NO	0.689	10.000	31.027	30.87	1.212	1.205	222.50	111	0.223	
28	13C-1,2,3,4,7,8-HxCDF	1.10e6	0.50	NO	0.873	10.000	33.453	33.45	0.987	0.987	218.95	109	0.385	
29	13C-1,2,3,6,7,8-HxCDF	1.07e6	0.51	NO	0.933	10.000	33.582	33.58	0.991	0.991	199.30	99.6	0.360	
30	13C-2,3,4,6,7,8-HxCDF	1.01e6	0.50	NO	0.843	10.000	34.250	34.24	1.011	1.011	209.01	105	0.399	
31	13C-1,2,3,7,8,9-HxCDF	9.39e5	0.50	NO	0.780	10.000	35.249	35.25	1.040	1.040	208.95	104	0.431	

Dataset: U:\VG12.PRO\Results\201211R1\201211R1-11.qld

Last Altered: Monday, December 14, 2020 11:08:04 AM Pacific Standard Time

Printed: Monday, December 14, 2020 11:08:39 AM Pacific Standard Time

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	ny	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DU	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.69e5	0.43	NO	0.726	10.000	36.825	36.82	1.087	1.086	159.88	79.9	0.451	
33	13C-1,2,3,4,7,8,9-HpCDF	5.37e5	0.43	NO	0.491	10.000	38.835	38.82	1.146	1.145	189.84	94.9	0.667	
34	13C-OCDF	1.02e6	0.88	NO	0.565	10.000	41.410	41.40	1.222	1.222	313.09	78.3	0.409	
35	37Cl-2,3,7,8-TCDD	7.32e5			1.22	10.000	26.378	26.39	1.030	1.031	85.613	107	0.0208	
36	13C-1,2,3,4-TCDD	1.40e6	0.80	NO	1.00	10.000	25.640	25.61	1.000	1.000	200.00	100	0.0943	
37	13C-1,2,3,4-TCDF	2.20e6	0.78	NO	1.00	10.000	24.130	24.12	1.000	1.000	200.00	100	0.0935	
38	13C-1,2,3,4,6,9-HxCDF	1.15e6	0.51	NO	1.00	10.000	33.920	33.89	1.000	1.000	200.00	100	0.336	
39	Total Tetra-Dioxins				0.980	10.000	24.620		0.000				0.00842	
40	Total Penta-Dioxins				0.932	10.000	29.960		0.000		0.00000		0.0121	0.0403
41	Total Hexa-Dioxins				0.902	10.000	33.635		0.000				0.0223	
42	Total Hepta-Dioxins				0.918	10.000	37.640		0.000				0.0246	
43	Total Tetra-Furans				0.848	10.000	23.610		0.000				0.00704	
44	1st Func. Penta-Furans				0.960	10.000	26.930		0.000				0.00684	
45	Total Penta-Furans				0.960	10.000	29.275		0.000				0.0135	
46	Total Hexa-Furans				1.02	10.000	33.555		0.000		0.00000		0.0154	0.0566
47	Total Hepta-Furans				1.05	10.000	37.835		0.000				0.0204	

Dataset: U:\VG12.PRO\Results\201211R1\201211R1-11.qld

Last Altered: Monday, December 14, 2020 11:08:04 AM Pacific Standard Time
Printed: Monday, December 14, 2020 11:08:39 AM Pacific Standard Time

Method: Untitled 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-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

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	29.62	2.998e3	7.972e3	9.190e1	4.730e2	0.19	YES	0.000e0	0.00000	0.040302	0.0360

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Dataset: U:\VG12.PRO\Results\201211R1\201211R1-11.qld

Last Altered: Monday, December 14, 2020 11:08:04 AM Pacific Standard Time
Printed: Monday, December 14, 2020 11:08:39 AM Pacific Standard Time

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-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

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,7,8,9-HxCDF	35.27	2.482e3	2.947e3	1.087e2	1.201e2	0.91	YES	2.289e2	0.00000	0.042232	0.0188
Total Hexa-Furans	35.30	1.256e3	2.180e3	4.200e1	6.328e1	0.66	YES	0.000e0	0.00000	0.014418	0.0154

Hepta-Furans

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

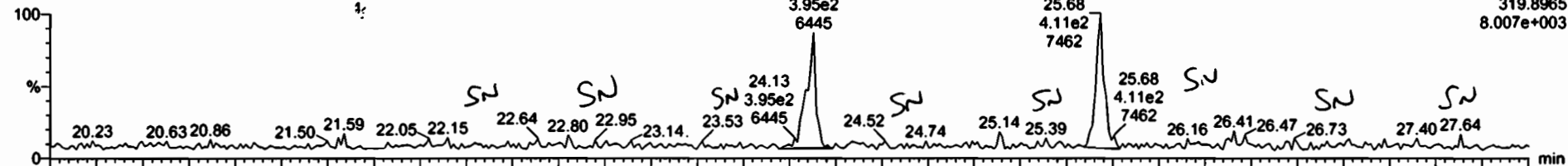
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

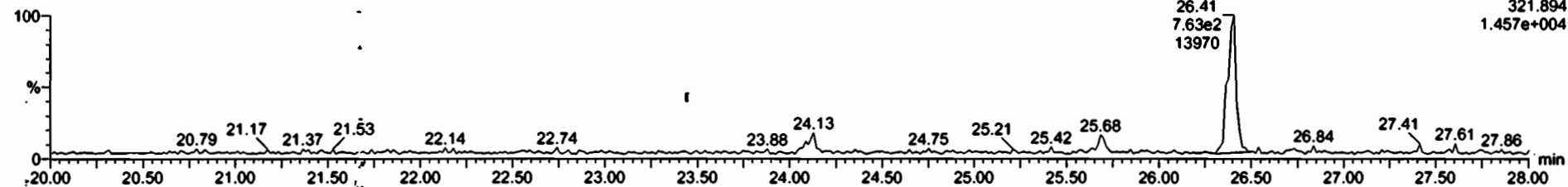
Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDD

201211R1_11



201211R1_11

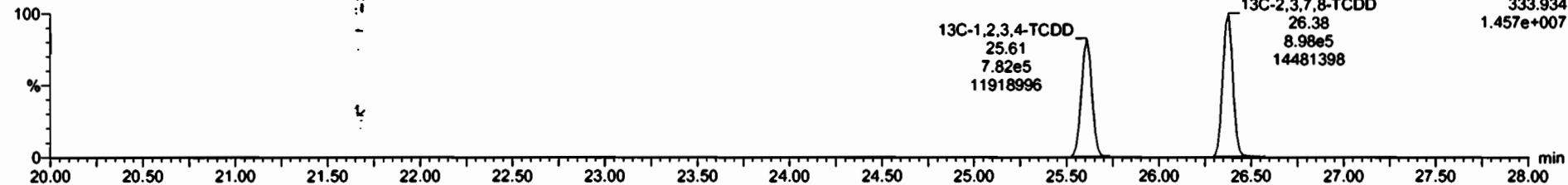


13C-2,3,7,8-TCDD

201211R1_11



201211R1_11



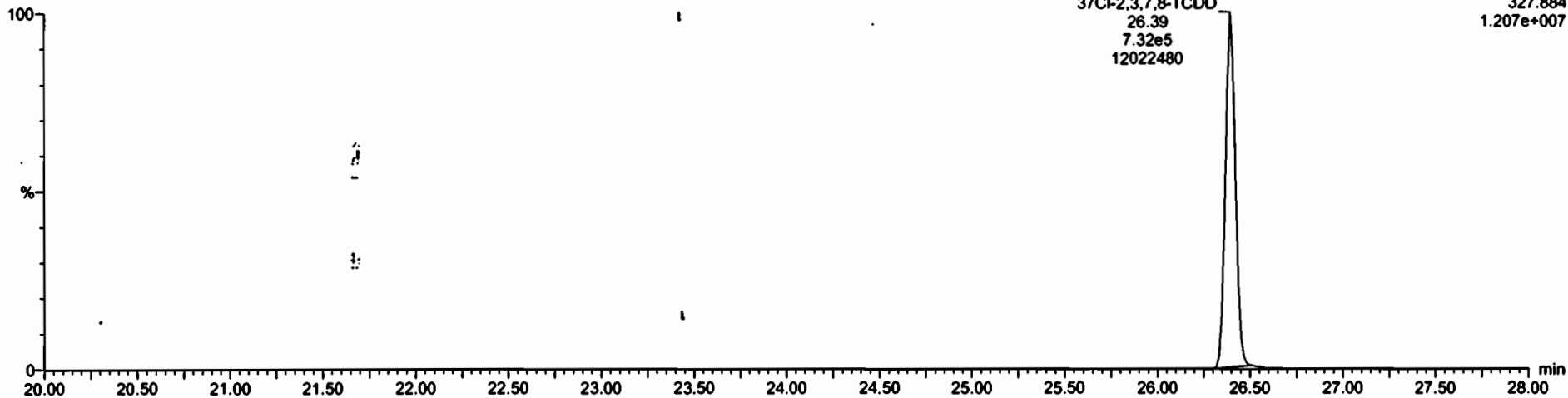
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

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

201211R1_11

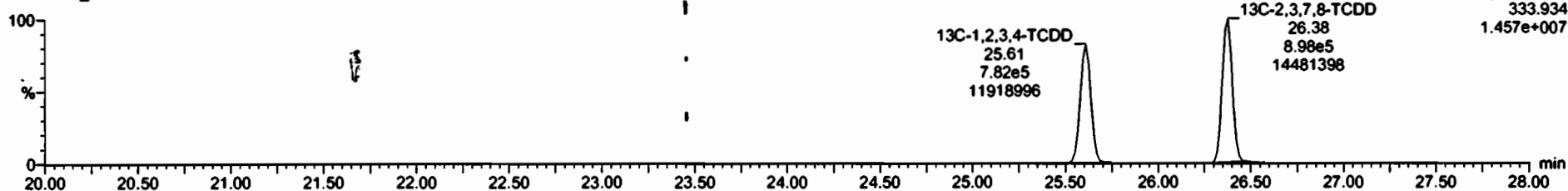


13C-1,2,3,4-TCDD

201211R1_11



201211R1_11



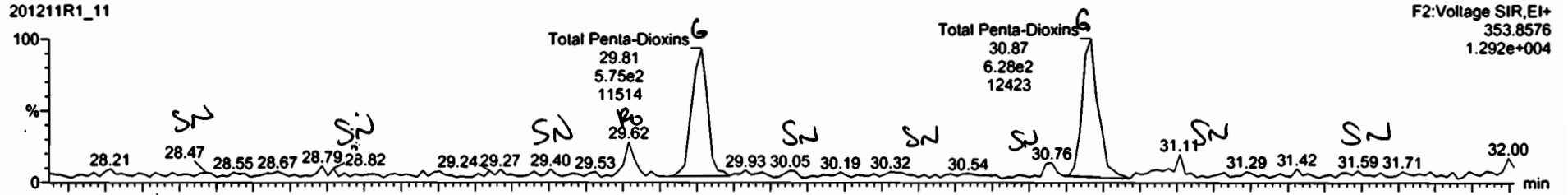
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

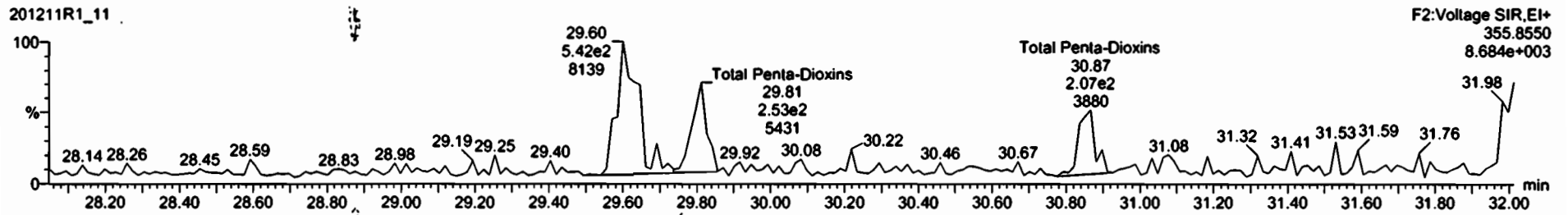
Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDD

201211R1_11



201211R1_11

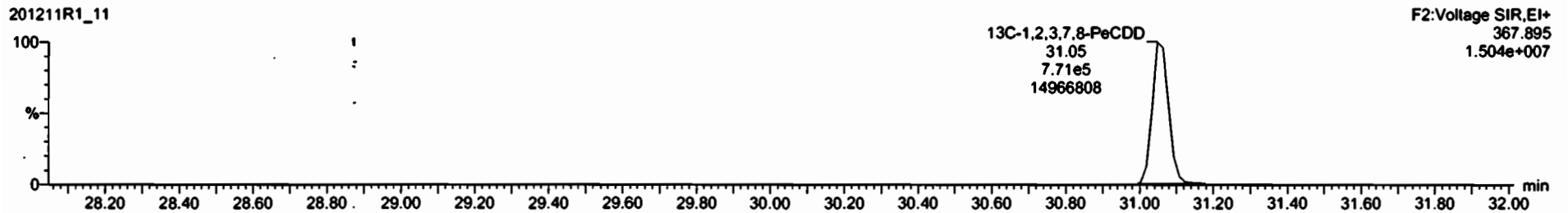


13C-1,2,3,7,8-PeCDD

201211R1_11

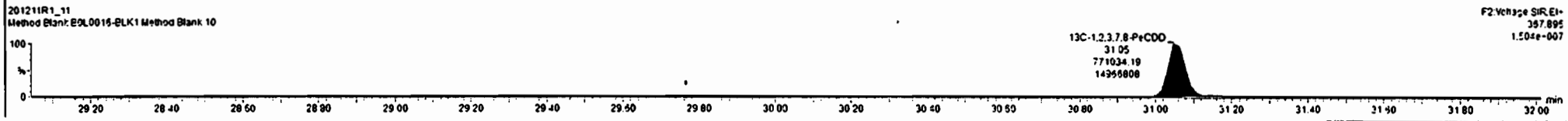
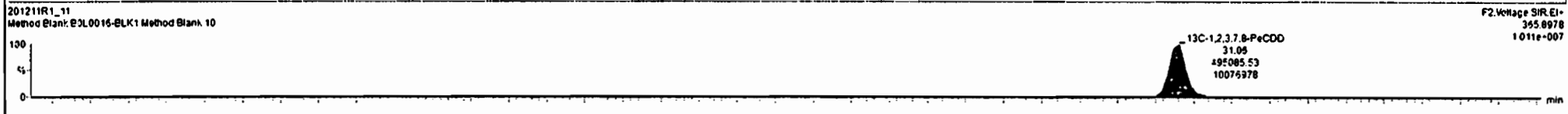
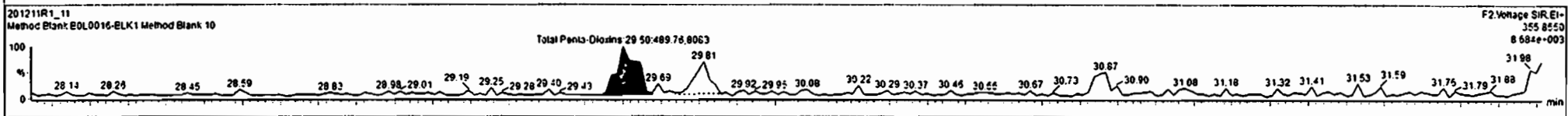
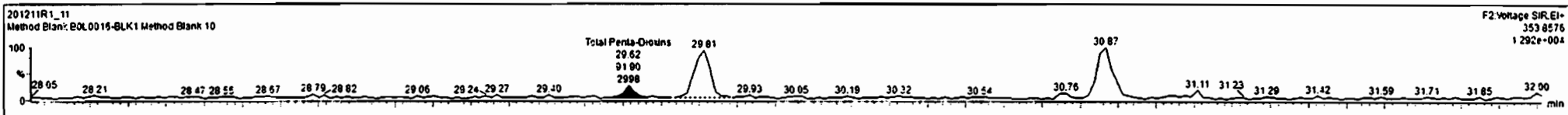


201211R1_11



Name	Resp	RA	nY	RRF	wtVol	RT	QRT	Conc.	%Rec	DL	EMPC
1	Total Tetra-Dioxins			0.5865	10.000				0.00842		

Name	RT	Int Resp	n2 Resp	RA	nY	EMPC	Conc.	
1	Total Penta-Dioxins	29.52	9.180e1	4.896e2	0.19	YES	0.040202	0.00000



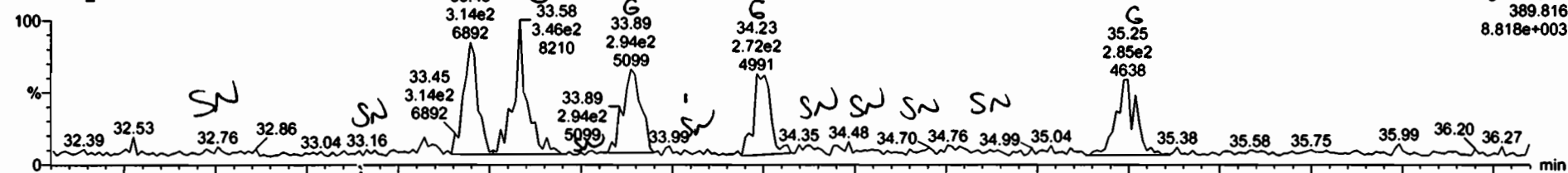
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

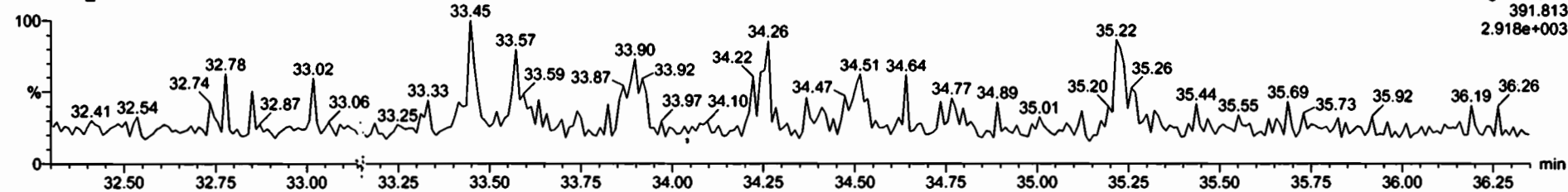
Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

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

201211R1_11

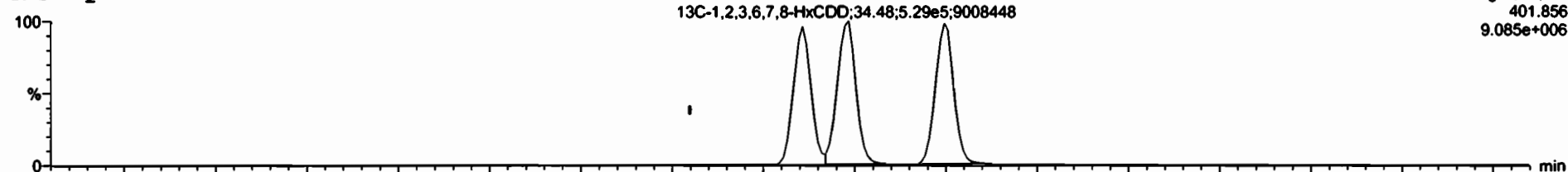


201211R1_11

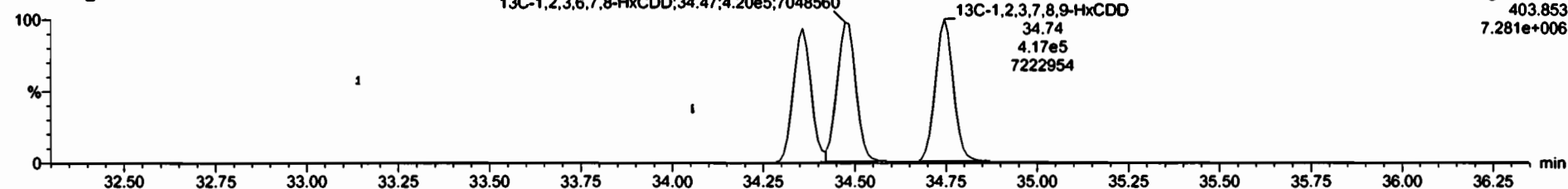


13C-1,2,3,4,7,8-HxCDD

201211R1_11



201211R1_11

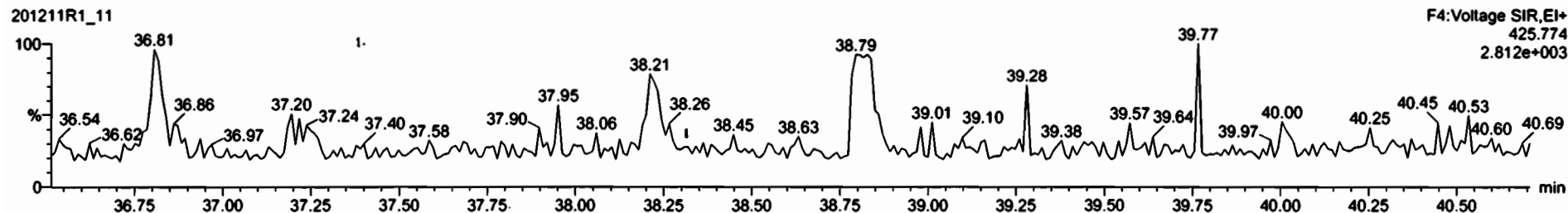
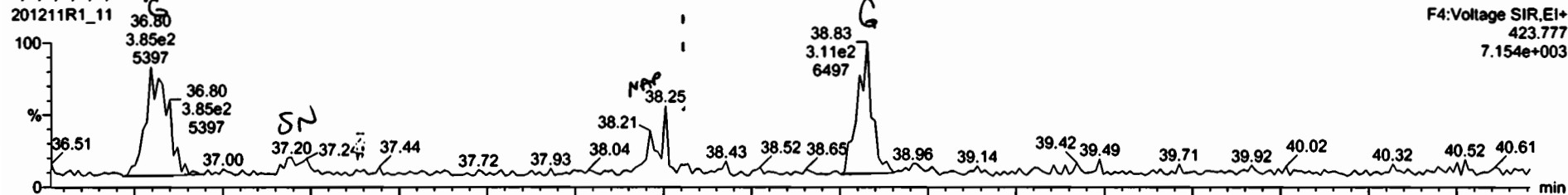


Dataset: Untitled

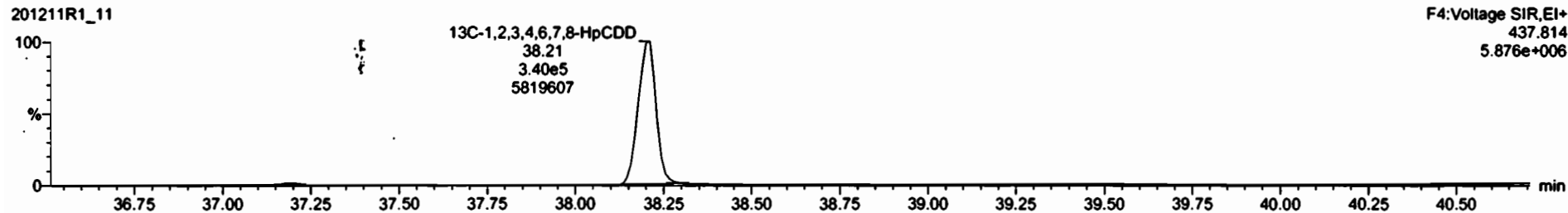
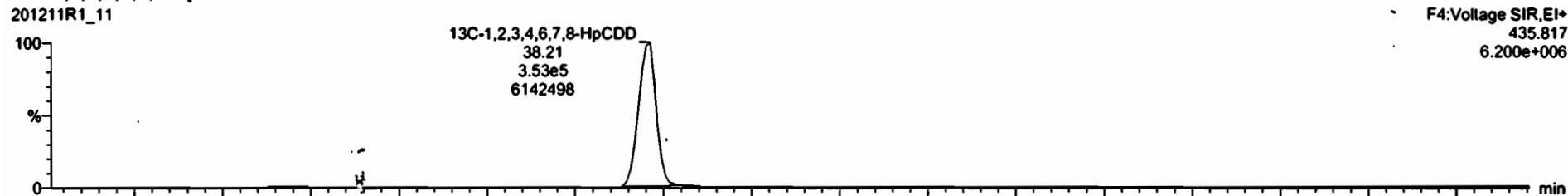
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

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



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

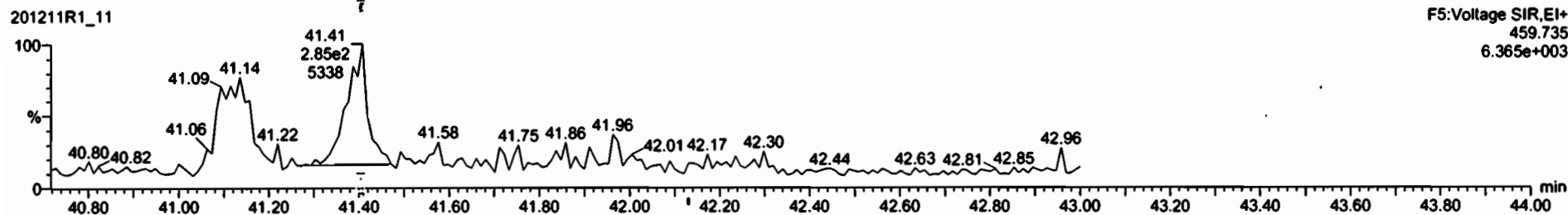
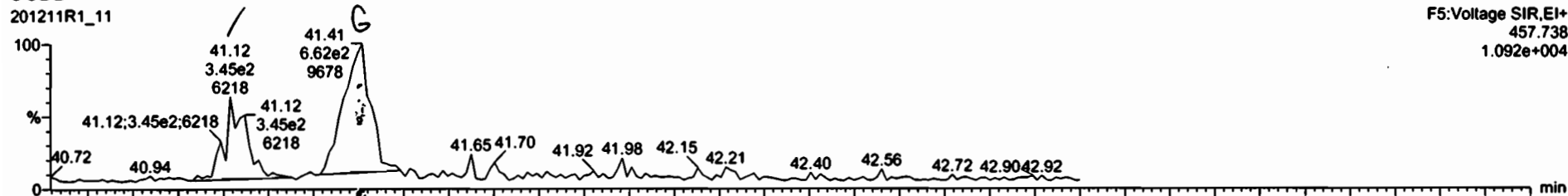


Dataset: Untitled

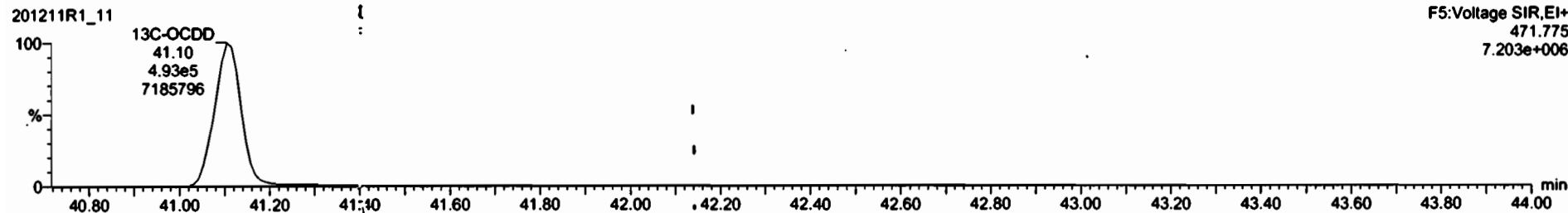
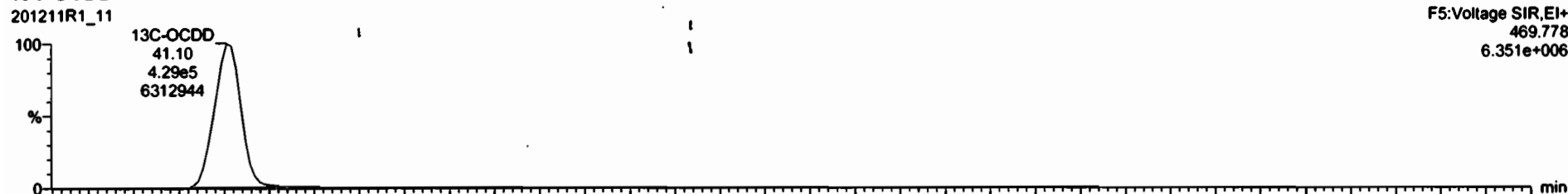
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

OCDD

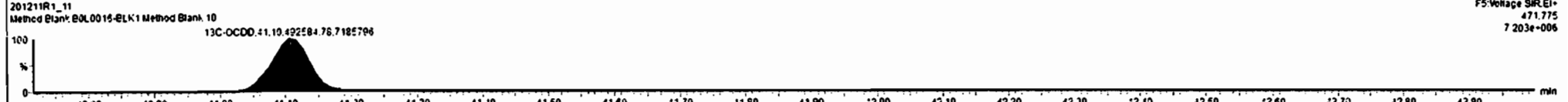
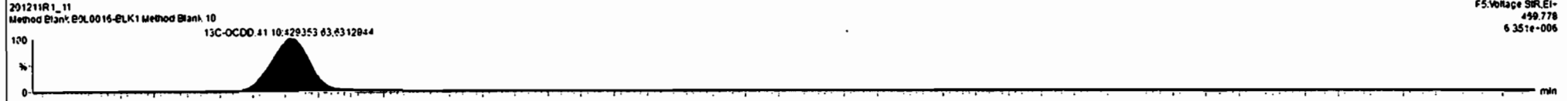
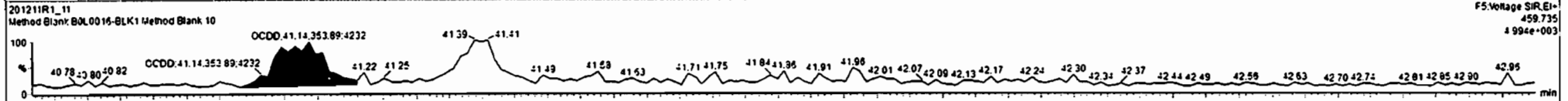
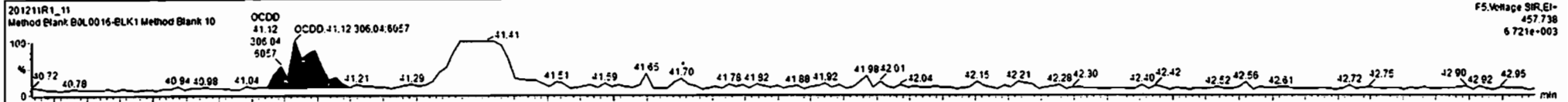


13C-OCDD



Name	Resp	RA	nI	nQ	RF	wt%id	RT	QRT	Conc.	%Rec	OL	EMPC
OCDD	6.62e2	8.85	NO	0.6658	16.000	41.12	1.000	0.331		0.165	0.331	

Name	RT	nI Resp	nQ Resp	RA	nI	EMPC	Conc.

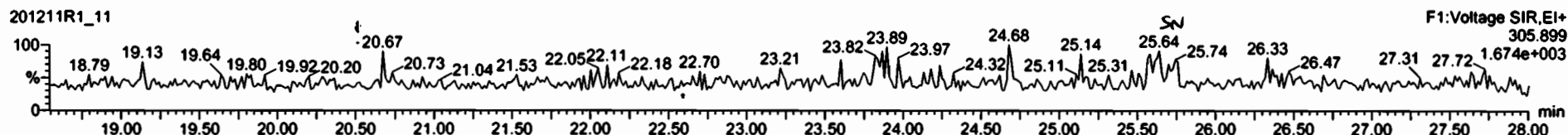
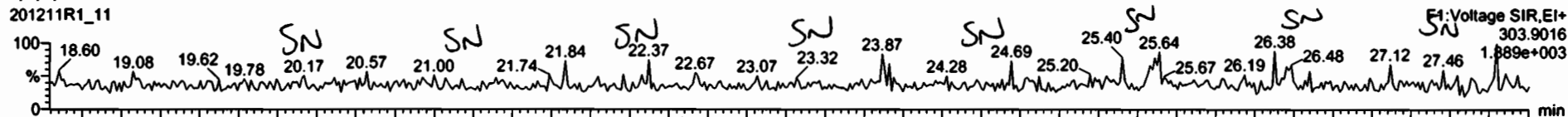


Dataset: Untitled

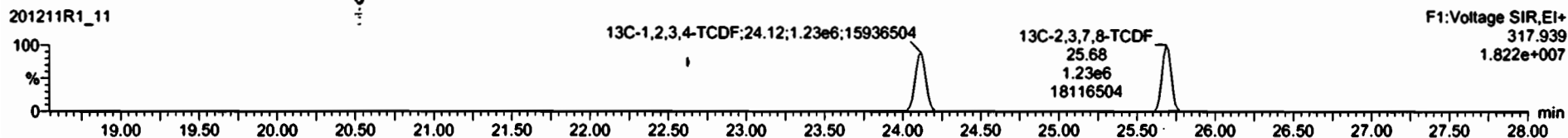
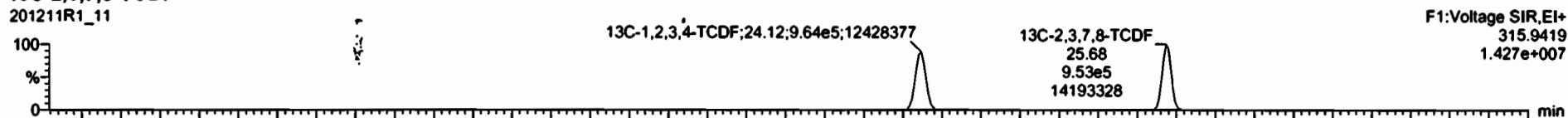
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

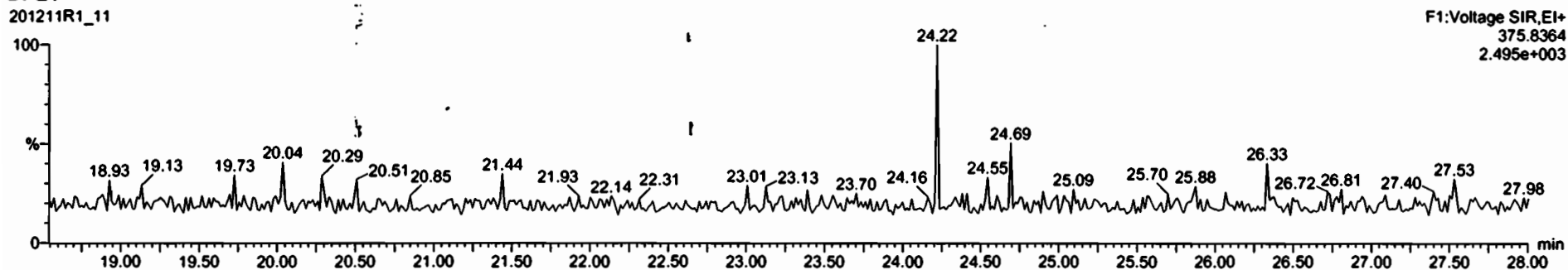
2,3,7,8-TCDF



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



DPE1



Dataset: Untitled

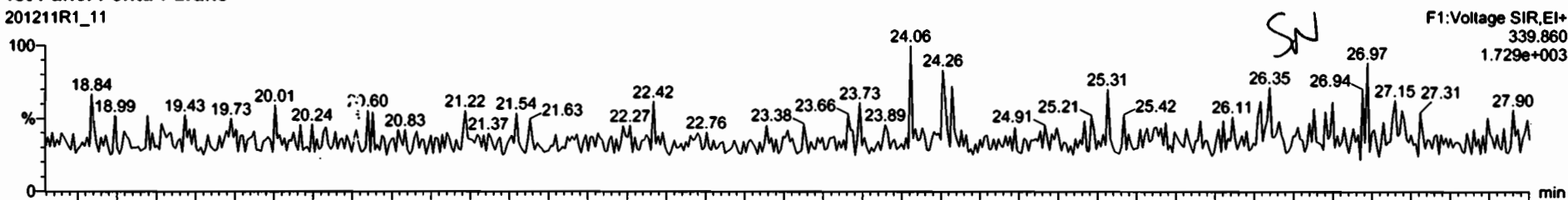
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time

Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

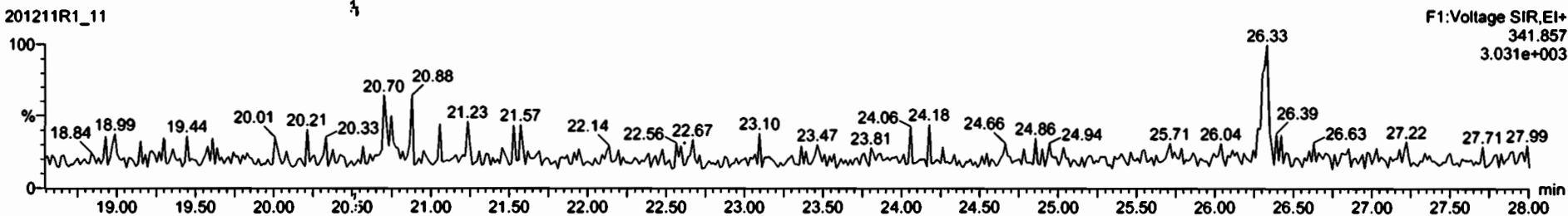
Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

201211R1_11

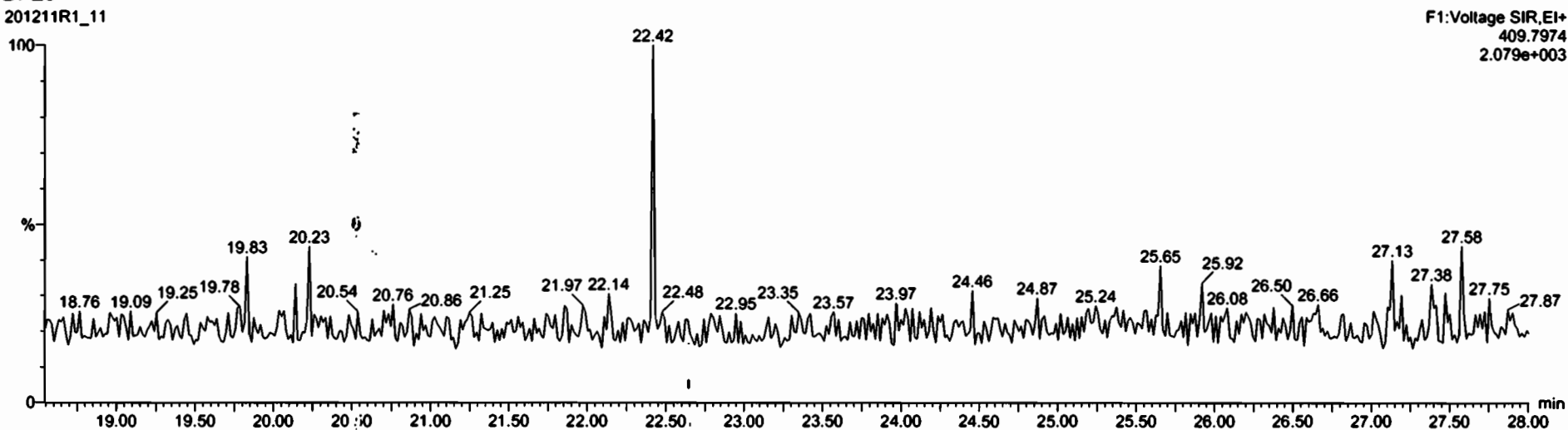


201211R1_11



DPE6

201211R1_11

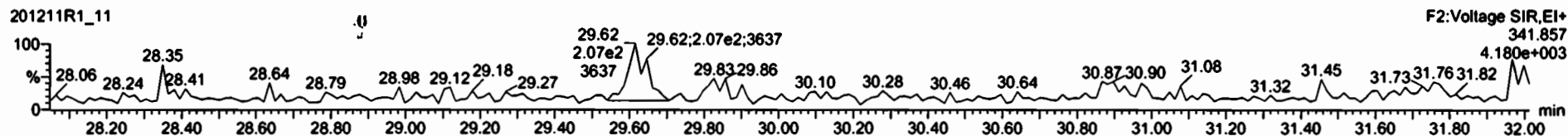
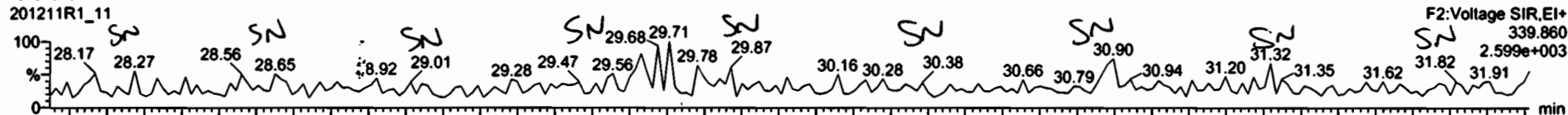


Dataset: Untitled

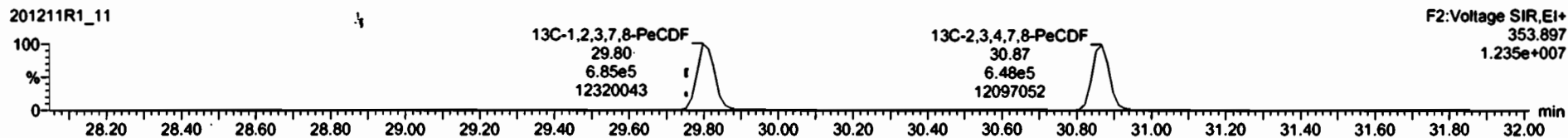
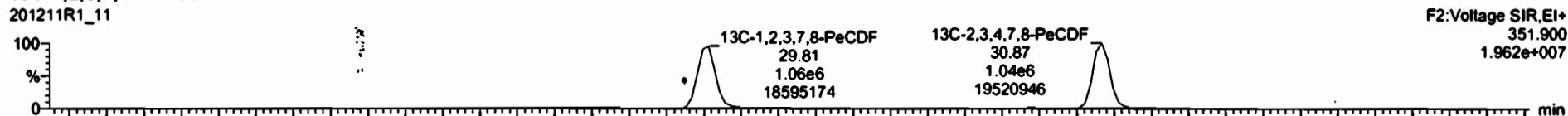
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

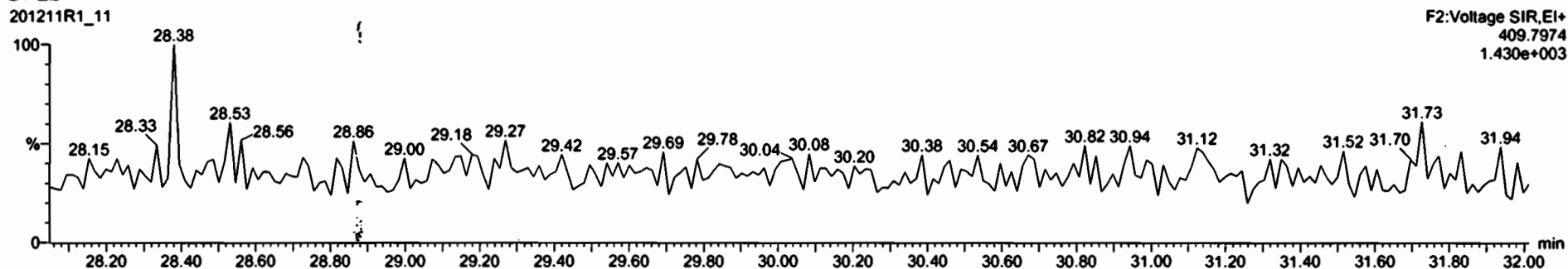
1,2,3,7,8-PeCDF



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



DPE2



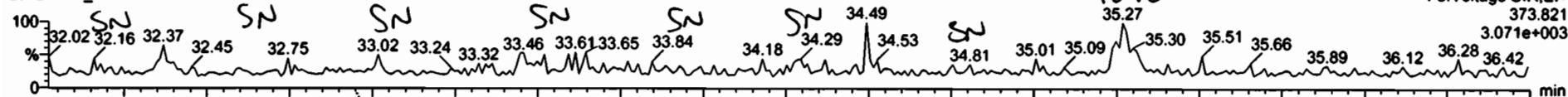
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

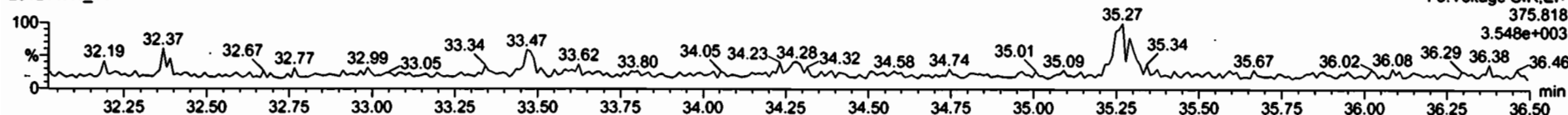
Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

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

201211R1_11

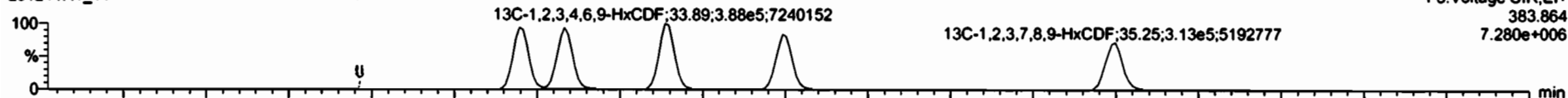


201211R1_11

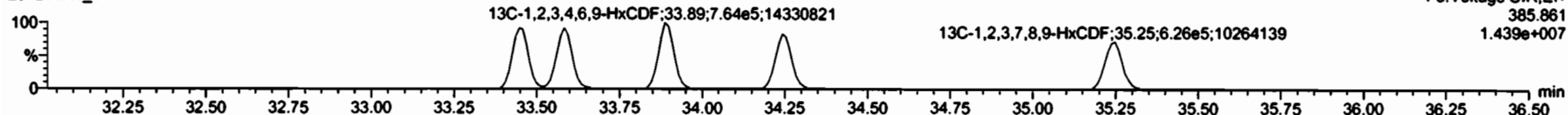


13C-1,2,3,4,7,8-HxCDF

201211R1_11

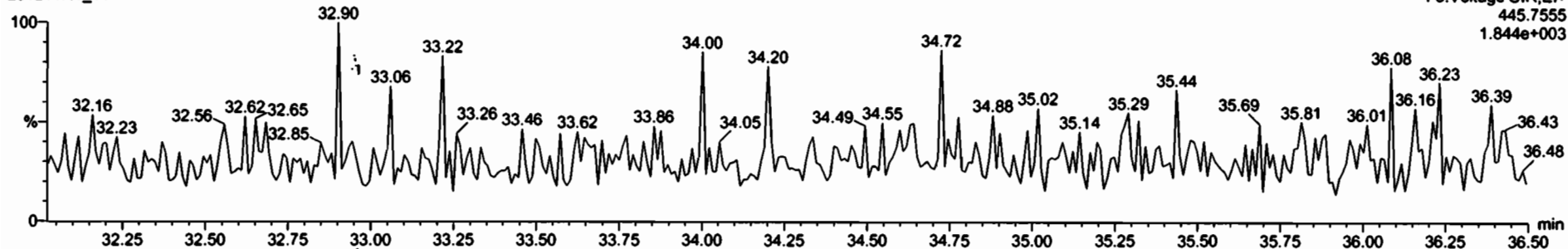


201211R1_11



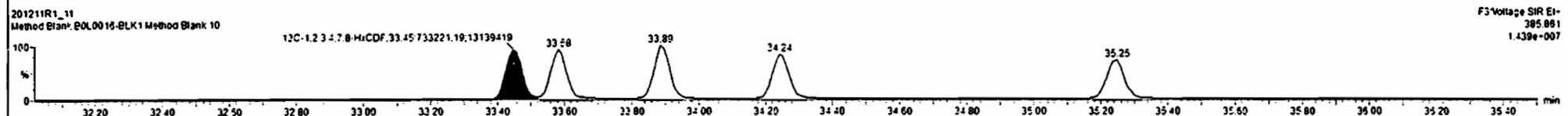
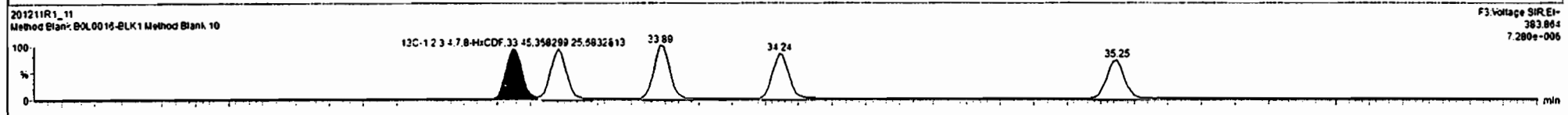
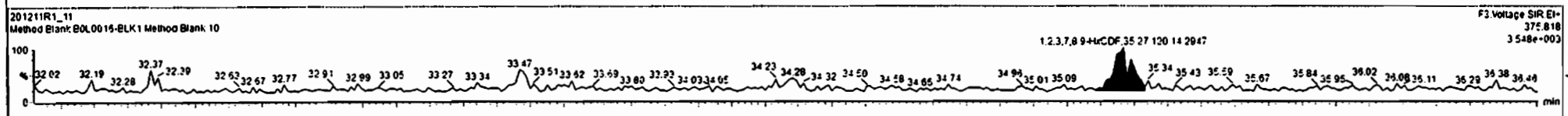
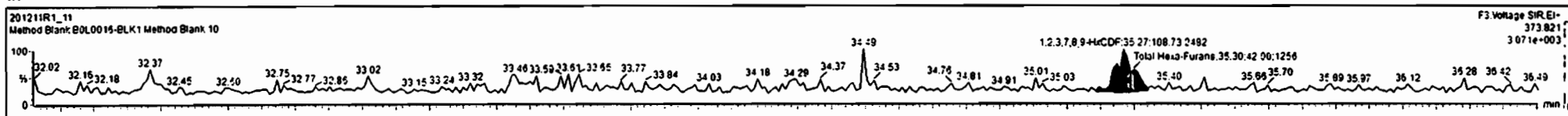
DPE3

201211R1_11



SL	Name	Reso	RA	nY	RRF	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
1	Total Hexa-Furans				1.022	18.000			0.000		0.0154	0.0546

SL	Name	RT	nt Resp	nQ Resp	RA	nY	EMPC	Conc.
1	1,2,3,7,8,9-HxCDF	35.27	1.087e2	1.201e2	0.91	YES	0.042232	0.00000
2	Total Hexa-Furans	35.30	4.205e1	6.328e1	0.66	YES	0.014418	0.00000

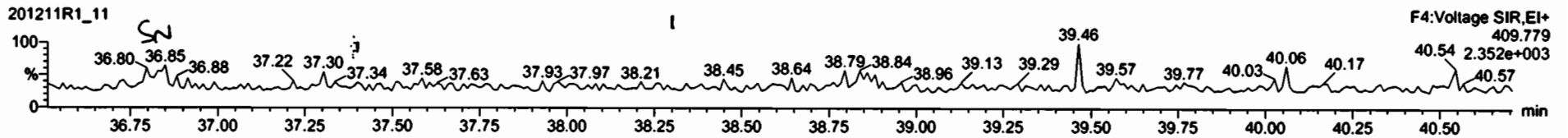
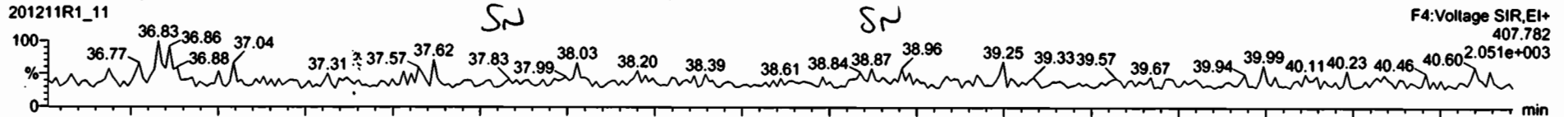


Dataset: Untitled

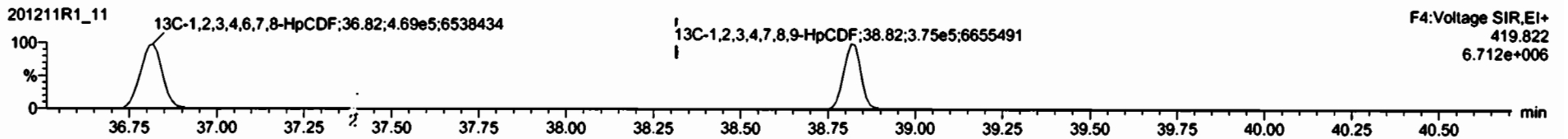
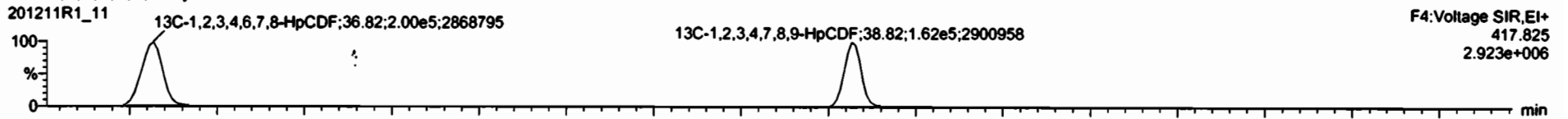
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

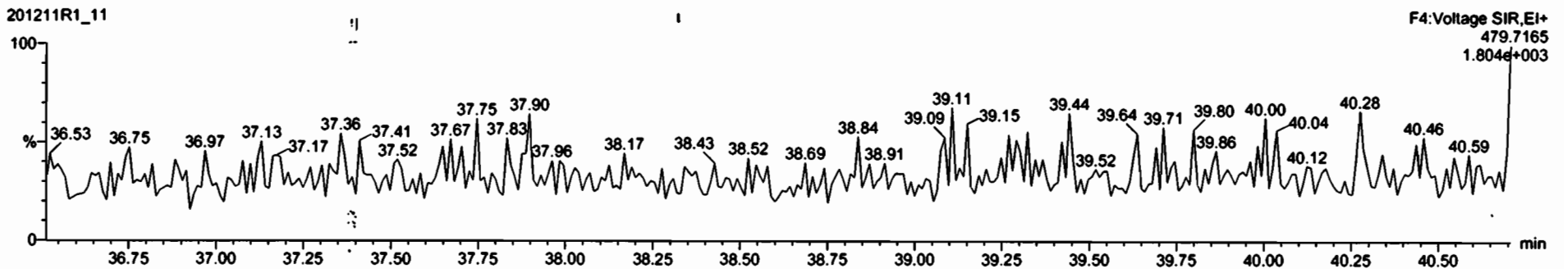
1,2,3,4,6,7,8-HpCDF



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



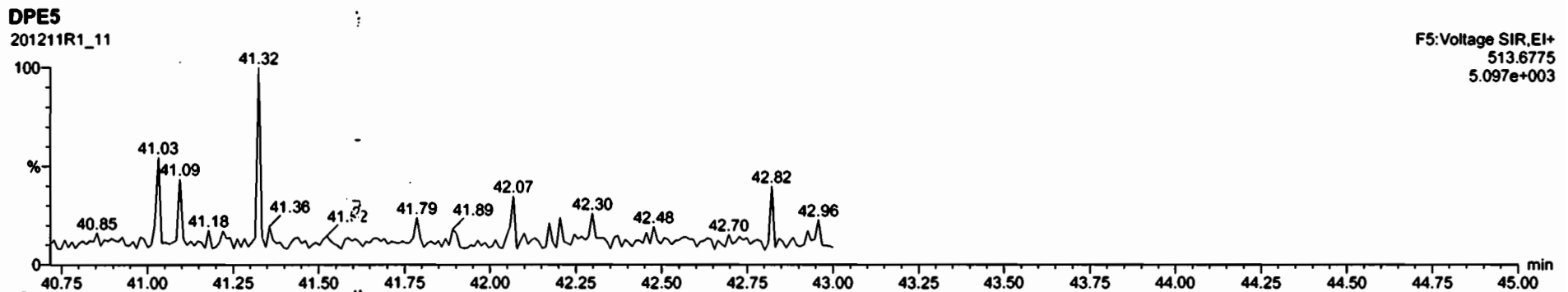
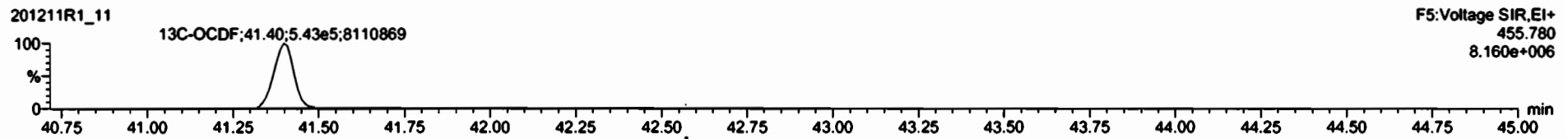
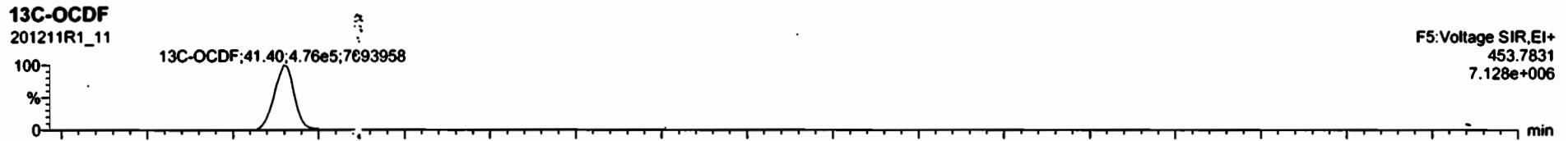
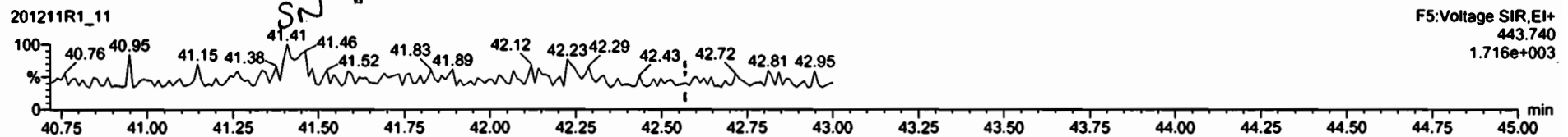
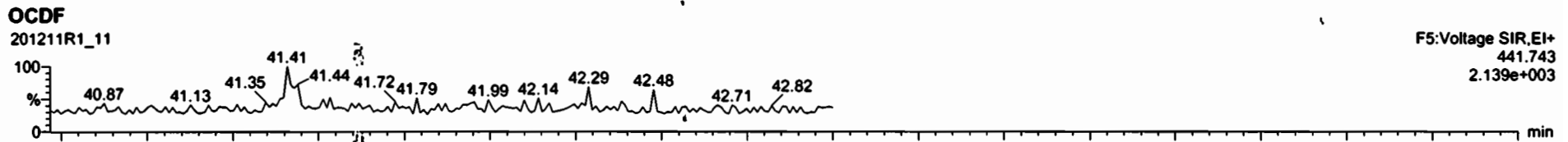
DPE4



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

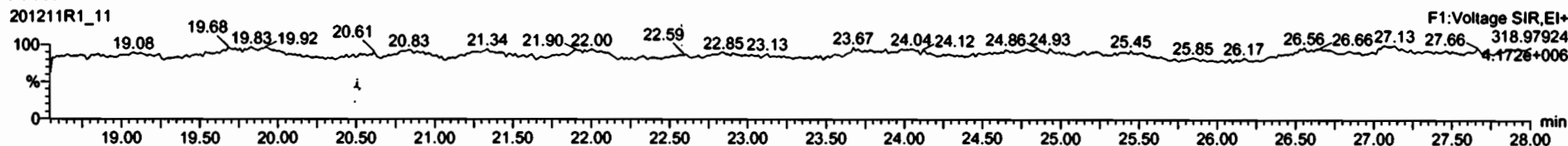


Dataset: Untitled

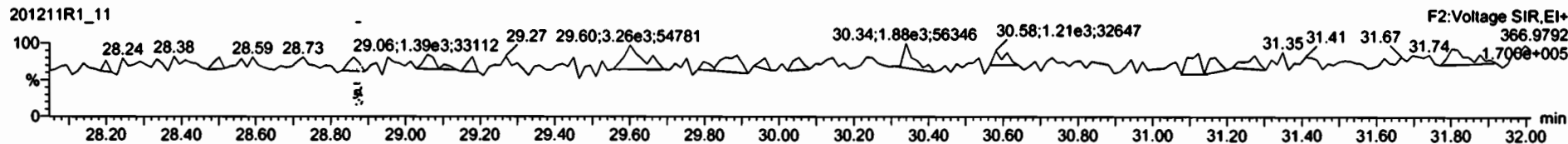
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_11, Date: 11-Dec-2020, Time: 18:21:08, ID: B0L0016-BLK1 Method Blank 10, Description: Method Blank

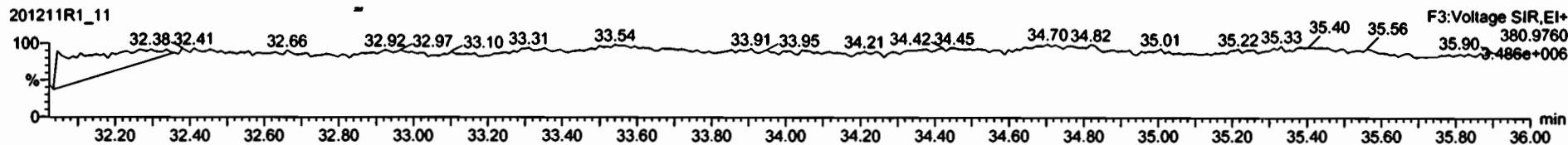
PFK1



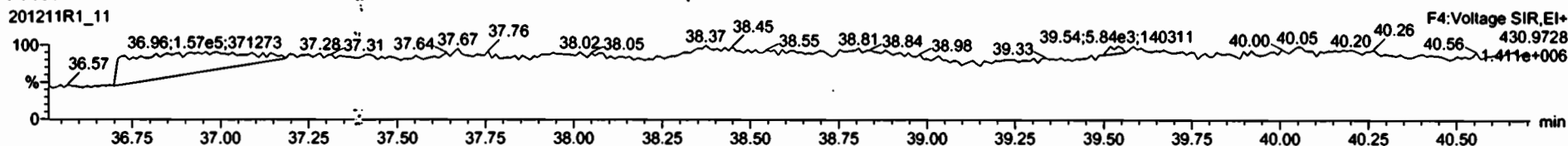
PFK2



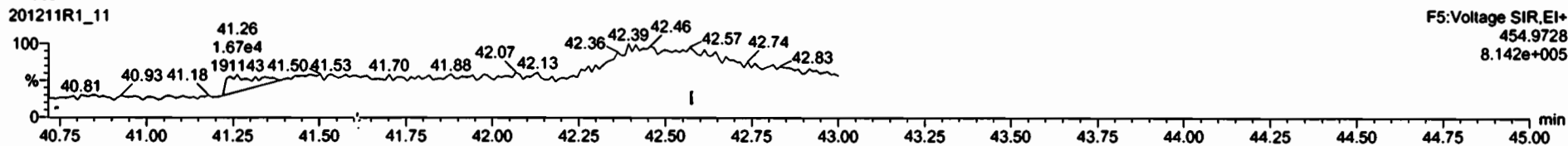
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\201211R1\201211R1-3.qld
 Last Altered: Monday, December 14, 2020 8:03:55 AM Pacific Standard Time
 Printed: Monday, December 14, 2020 10:53:16 AM Pacific Standard Time

GPB 12/14/2020

CT 12/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
 Calibration: U:\VG12.PRO\CurveDB\ddbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, 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	1.44e5	0.75	NO	0.980	10.000	26.410	26.41	1.001	1.001	20.256		0.0254	20.3
2	1,2,3,7,8-PeCDD	5.45e5	0.61	NO	0.932	10.000	31.094	31.08	1.001	1.000	104.11		0.0687	104
3	1,2,3,4,7,8-HxCDD	4.13e5	1.24	NO	1.02	10.000	34.378	34.38	1.001	1.001	100.32		0.156	100
4	1,2,3,6,7,8-HxCDD	4.18e5	1.24	NO	0.902	10.000	34.504	34.49	1.001	1.000	100.79		0.157	101
5	1,2,3,7,8,9-HxCDD	4.28e5	1.22	NO	0.954	10.000	34.756	34.77	1.000	1.001	99.091		0.151	99.1
6	1,2,3,4,6,7,8-HpCDD	2.88e5	1.04	NO	0.918	10.000	38.223	38.22	1.000	1.000	95.297		0.338	95.3
7	OCDD	3.93e5	0.86	NO	0.866	10.000	41.124	41.13	1.000	1.000	206.98		0.501	207
8	2,3,7,8-TCDF	1.44e5	0.73	NO	0.848	10.000	25.701	25.71	1.000	1.001	17.833		0.0252	17.8
9	1,2,3,7,8-PeCDF	7.46e5	1.55	NO	0.960	10.000	29.815	29.83	1.000	1.000	99.296		0.0829	99.3
10	1,2,3,4,7,8-PeCDF	8.12e5	1.53	NO	1.07	10.000	30.889	30.88	1.001	1.000	99.519		0.0772	99.5
11	1,2,3,4,7,8-HxCDF	4.62e5	1.21	NO	0.986	10.000	33.468	33.47	1.000	1.000	93.936		0.154	93.9
12	1,2,3,6,7,8-HxCDF	4.91e5	1.21	NO	1.04	10.000	33.614	33.60	1.001	1.000	93.450		0.153	93.5
13	2,3,4,6,7,8-HxCDF	4.65e5	1.21	NO	1.02	10.000	34.274	34.26	1.001	1.000	93.505		0.158	93.5
14	1,2,3,7,8,9-HxCDF	4.78e5	1.23	NO	0.991	10.000	35.258	35.27	1.000	1.001	94.949		0.173	94.9
15	1,2,3,4,6,7,8-HpCDF	3.23e5	1.00	NO	1.05	10.000	36.836	36.84	1.000	1.001	94.564		0.342	94.6
16	1,2,3,4,7,8,9-HpCDF	2.96e5	1.00	NO	1.18	10.000	38.839	38.84	1.000	1.000	94.681		0.279	94.7
17	OCDF	4.70e5	0.87	NO	0.896	10.000	41.407	41.42	1.000	1.000	194.37		0.320	194
18	13C-2,3,7,8-TCDD	1.45e6	0.79	NO	1.06	10.000	26.399	26.38	1.030	1.029	173.50	86.7	0.101	
19	13C-1,2,3,7,8-PeCDD	1.12e6	0.63	NO	0.785	10.000	31.247	31.06	1.219	1.212	180.45	90.2	0.117	
20	13C-1,2,3,4,7,8-HxCDD	8.06e5	1.28	NO	0.621	10.000	34.358	34.36	1.014	1.014	209.93	105	0.305	
21	13C-1,2,3,6,7,8-HxCDD	9.20e5	1.26	NO	0.734	10.000	34.480	34.48	1.017	1.017	202.52	101	0.258	
22	13C-1,2,3,7,8,9-HxCDD	9.06e5	1.27	NO	0.723	10.000	34.765	34.74	1.026	1.025	202.52	101	0.262	
23	13C-1,2,3,4,6,7,8-HpCDD	6.59e5	1.06	NO	0.568	10.000	38.267	38.21	1.129	1.127	187.49	93.7	0.642	
24	13C-OCDD	8.78e5	0.90	NO	0.496	10.000	41.206	41.12	1.216	1.213	285.99	71.5	0.531	
25	13C-2,3,7,8-TCDF	1.91e6	0.77	NO	0.919	10.000	25.696	25.70	1.003	1.003	165.17	82.6	0.0916	
26	13C-1,2,3,7,8-PeCDF	1.57e6	1.58	NO	0.715	10.000	29.955	29.81	1.169	1.163	174.26	87.1	0.184	
27	13C-2,3,4,7,8-PeCDF	1.53e6	1.60	NO	0.689	10.000	31.044	30.87	1.212	1.205	176.71	88.4	0.191	
28	13C-1,2,3,4,7,8-HxCDF	9.98e5	0.50	NO	0.873	10.000	33.463	33.46	0.987	0.987	184.67	92.3	0.344	
29	13C-1,2,3,6,7,8-HxCDF	1.01e6	0.50	NO	0.933	10.000	33.592	33.59	0.991	0.991	175.29	87.6	0.322	
30	13C-2,3,4,6,7,8-HxCDF	9.75e5	0.51	NO	0.843	10.000	34.260	34.25	1.011	1.010	186.92	93.5	0.356	
31	13C-1,2,3,7,8,9-HxCDF	1.02e6	0.50	NO	0.780	10.000	35.260	35.25	1.040	1.040	210.37	105	0.385	

Dataset: U:\VG12.PRO\Results\201211R1\201211R1-3.qld

Last Altered: Monday, December 14, 2020 8:03:55 AM Pacific Standard Time
Printed: Monday, December 14, 2020 10:53:16 AM Pacific Standard Time

Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.52e5	0.43	NO	0.726	10.000	36.836	36.82	1.087	1.086	144.95	72.5	0.467	
33	13C-1,2,3,4,7,8,9-HpCDF	5.32e5	0.43	NO	0.491	10.000	38.846	38.83	1.146	1.145	175.14	87.6	0.691	
34	13C-OCDF	1.08e6	0.88	NO	0.565	10.000	41.423	41.40	1.222	1.221	308.35	77.1	0.457	
35	37Cl-2,3,7,8-TCDD	7.25e5			1.22	10.000	26.393	26.41	1.030	1.031	75.052	93.8	0.0204	
36	13C-1,2,3,4-TCDD	1.59e6	0.78	NO	1.00	10.000	25.640	25.63	1.000	1.000	200.00	100	0.107	
37	13C-1,2,3,4-TCDF	2.51e6	0.78	NO	1.00	10.000	24.130	24.12	1.000	1.000	200.00	100	0.0842	
38	13C-1,2,3,4,6,9-HxCDF	1.24e6	0.51	NO	1.00	10.000	33.920	33.90	1.000	1.000	200.00	100	0.300	

Dataset: Untitled

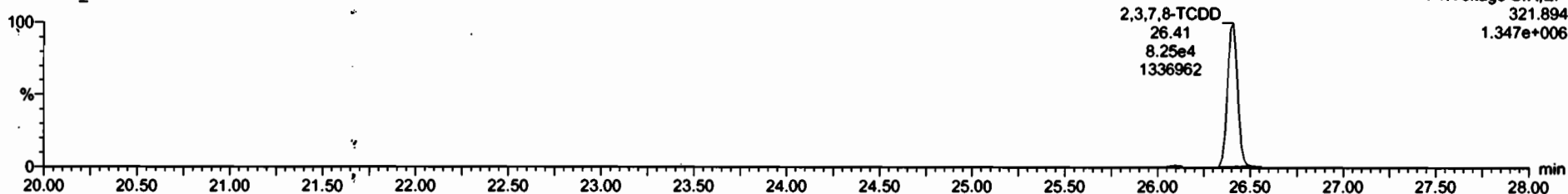
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

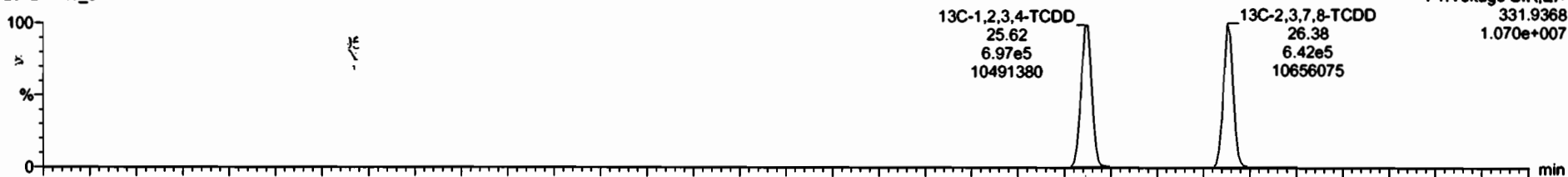
2,3,7,8-TCDD
201211R1_3



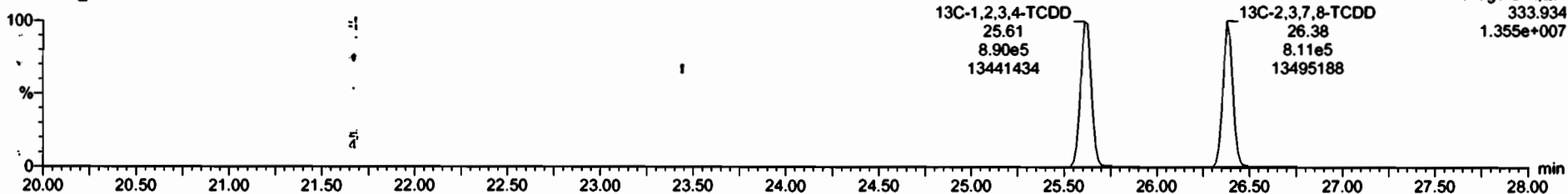
201211R1_3



13C-2,3,7,8-TCDD
201211R1_3



201211R1_3



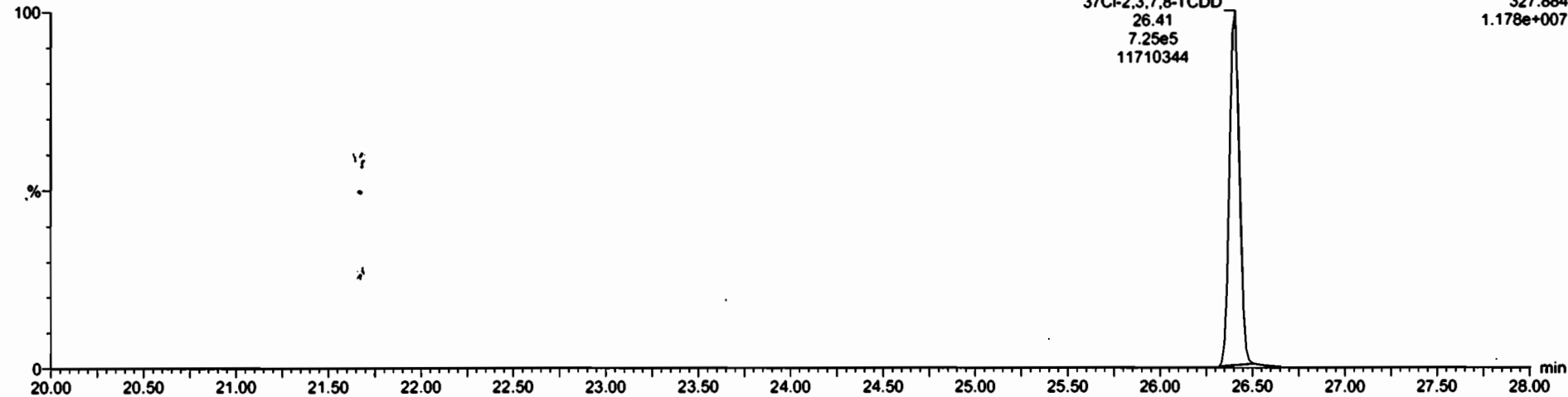
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

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

201211R1_3

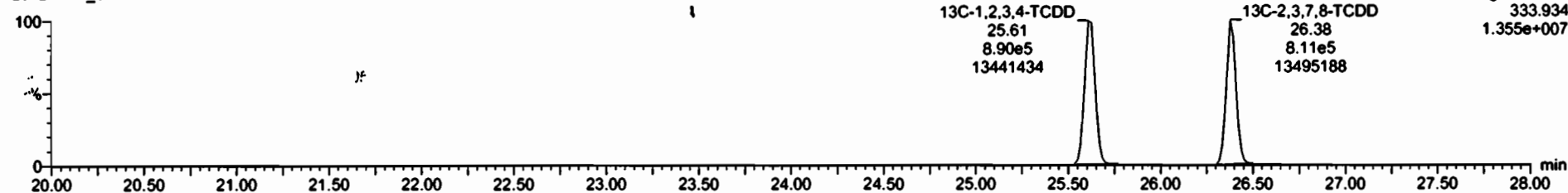


13C-1,2,3,4-TCDD

201211R1_3



201211R1_3



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

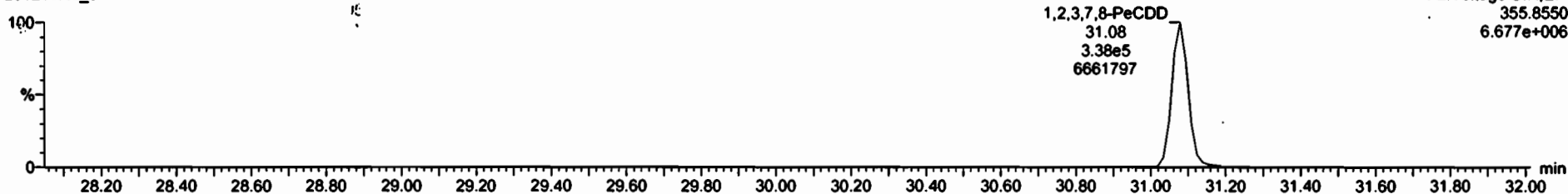
Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

1,2,3,7,8-PeCDD

201211R1_3



201211R1_3

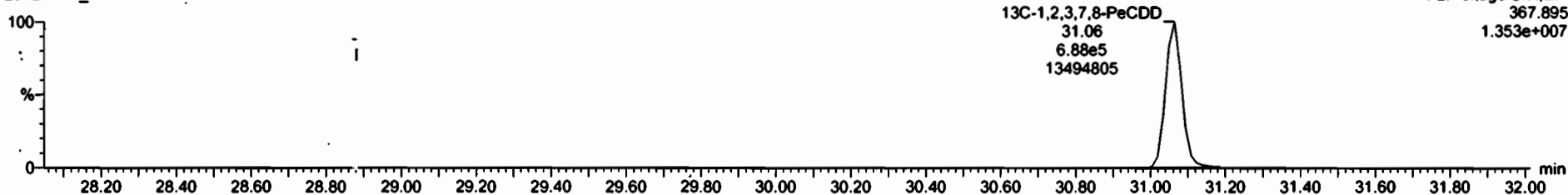


13C-1,2,3,7,8-PeCDD

201211R1_3



201211R1_3



Dataset: Untitled

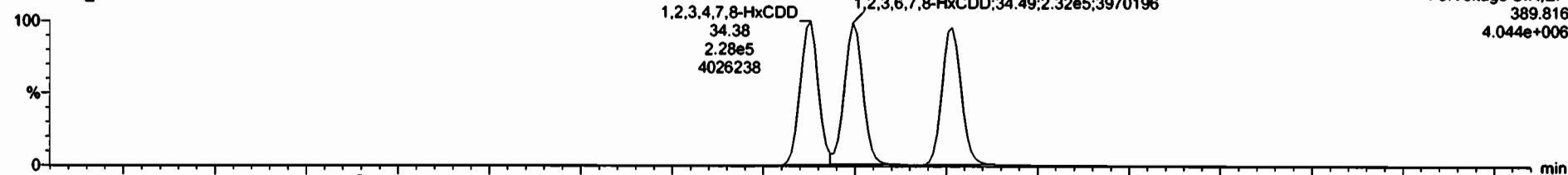
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time

Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

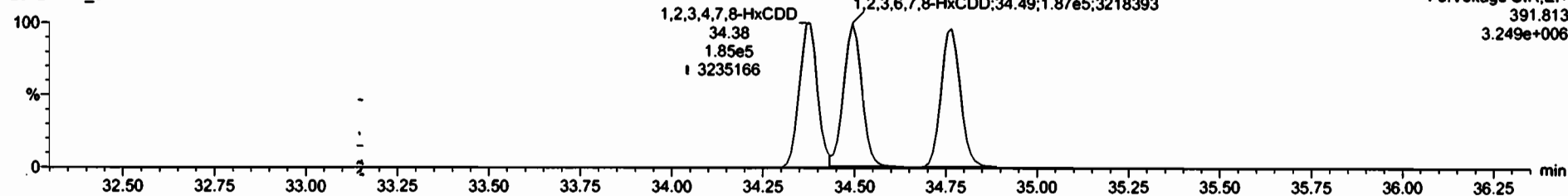
Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

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

201211R1_3

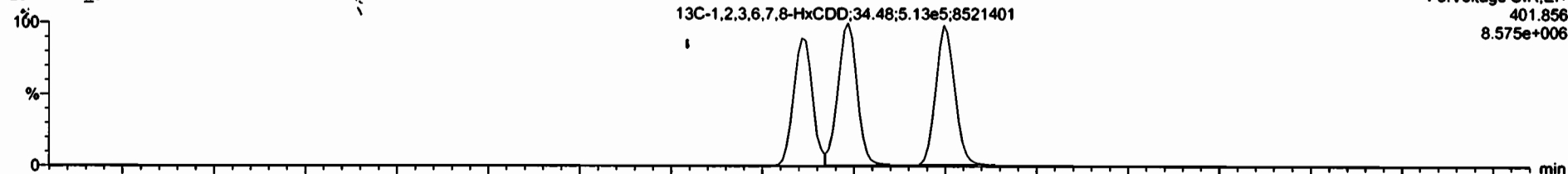


201211R1_3

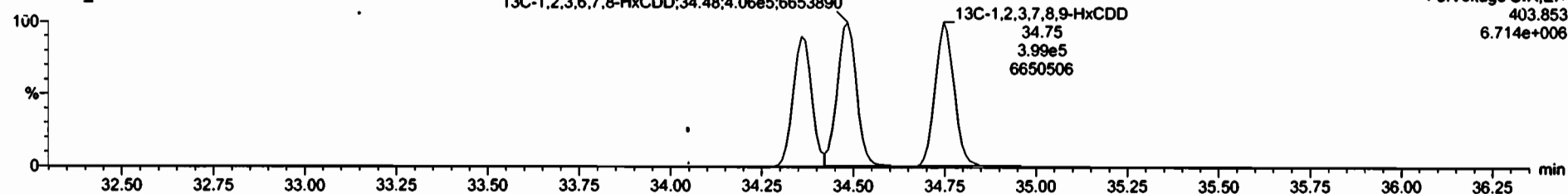


13C-1,2,3,4,7,8-HxCDD

201211R1_3



201211R1_3



Dataset: Untitled

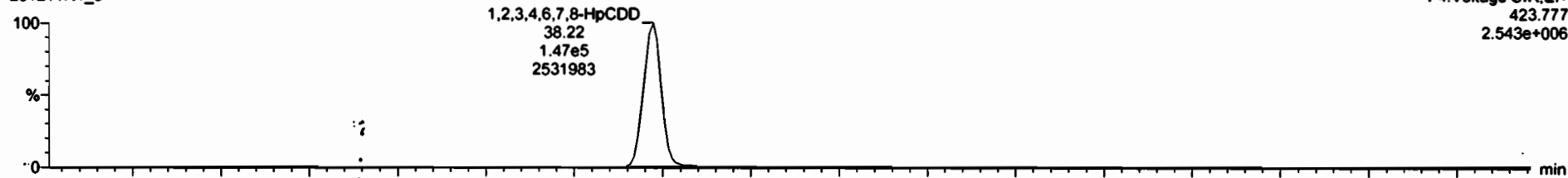
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time

Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

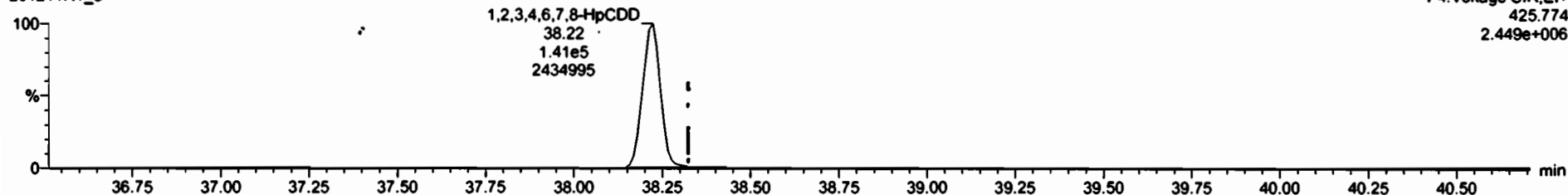
Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

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

201211R1_3

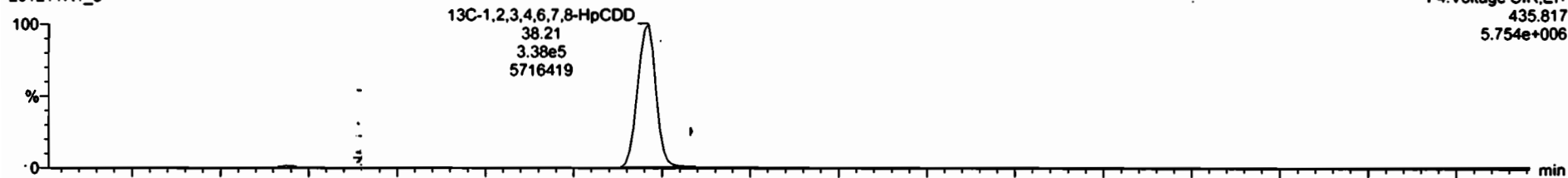


201211R1_3

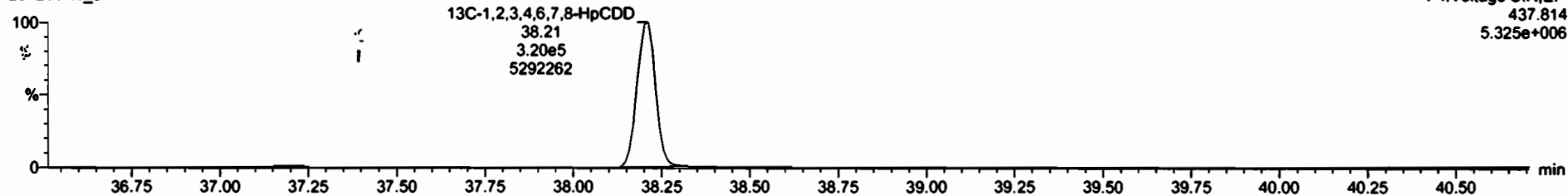


13C-1,2,3,4,6,7,8-HpCDD

201211R1_3



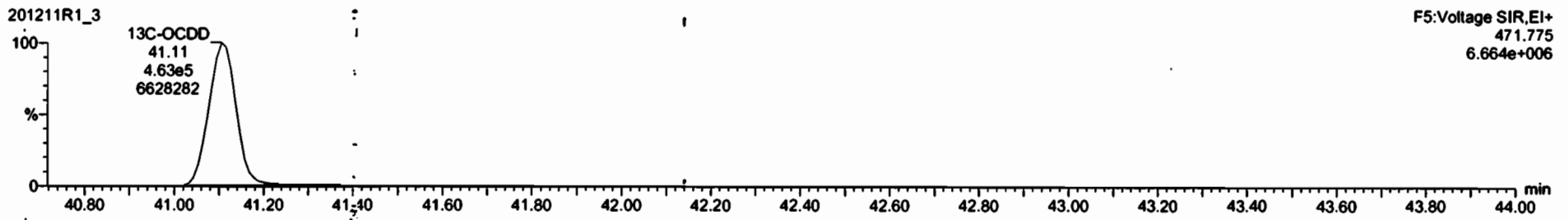
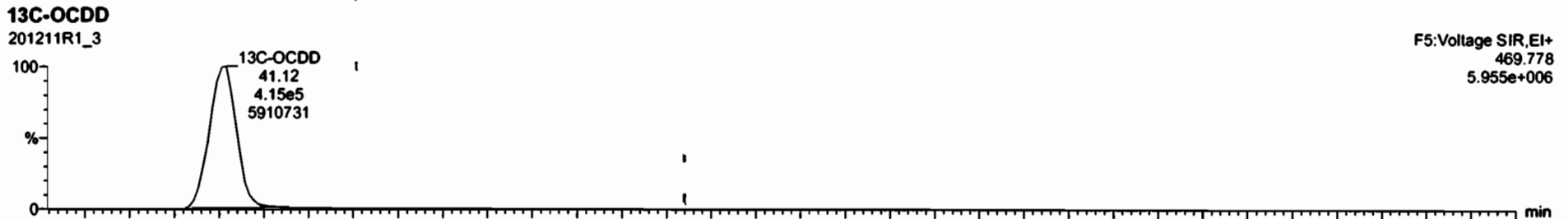
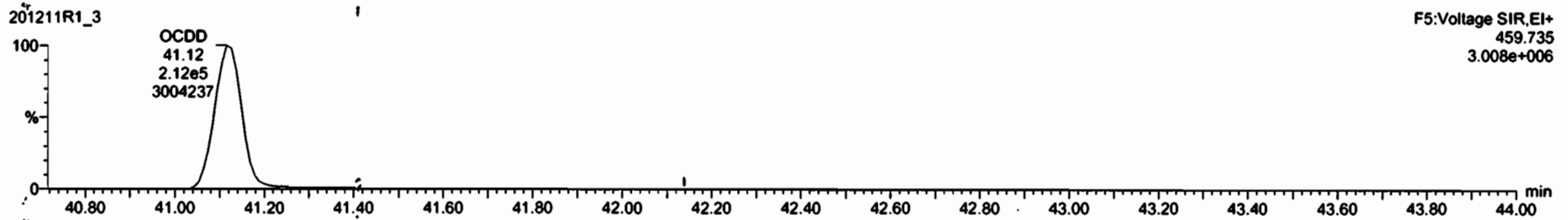
201211R1_3



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

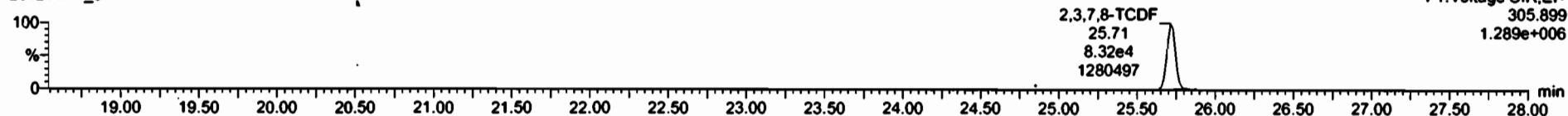
Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

2,3,7,8-TCDF

201211R1_3

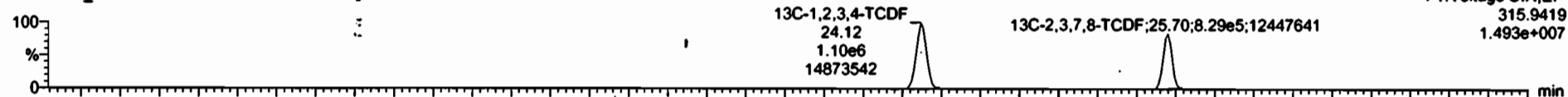


201211R1_3

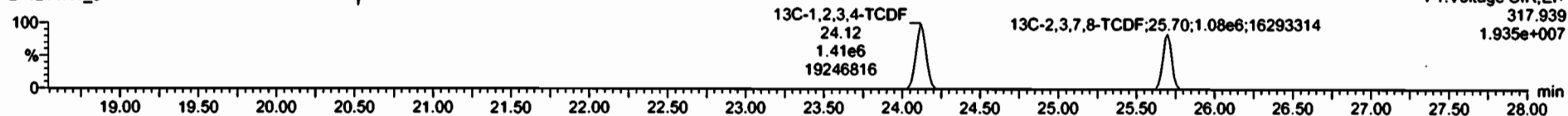


13C-2,3,7,8-TCDF

201211R1_3

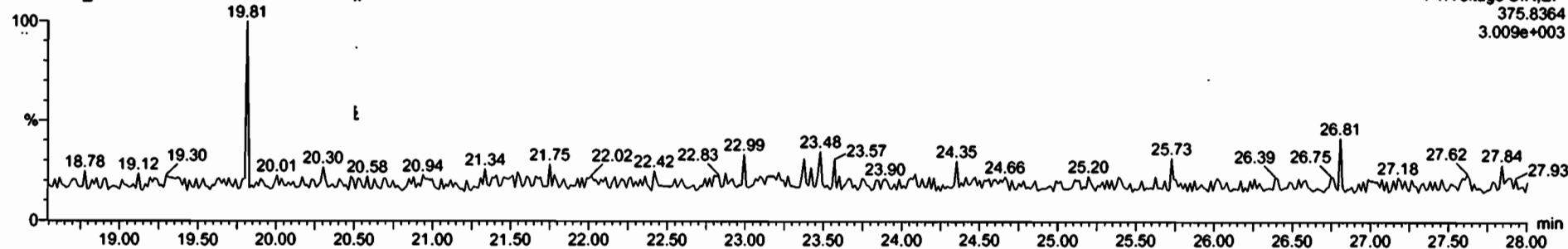


201211R1_3



DPE1

201211R1_3



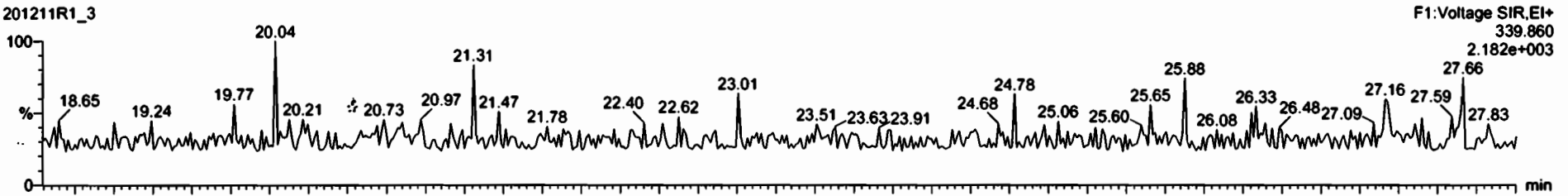
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

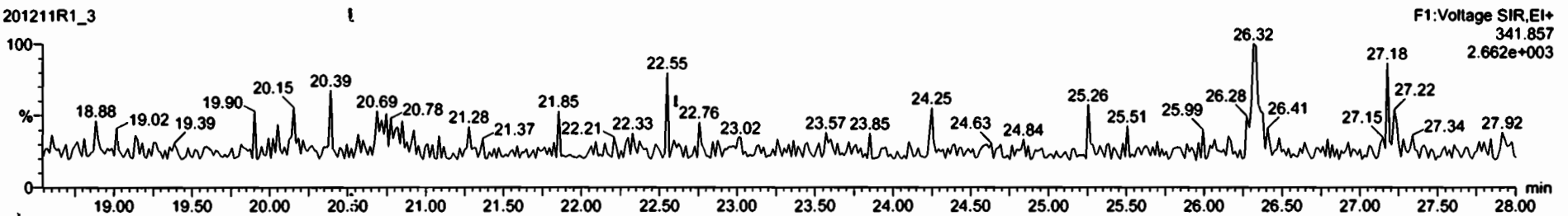
Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

1st Func. Penta-Furans

201211R1_3

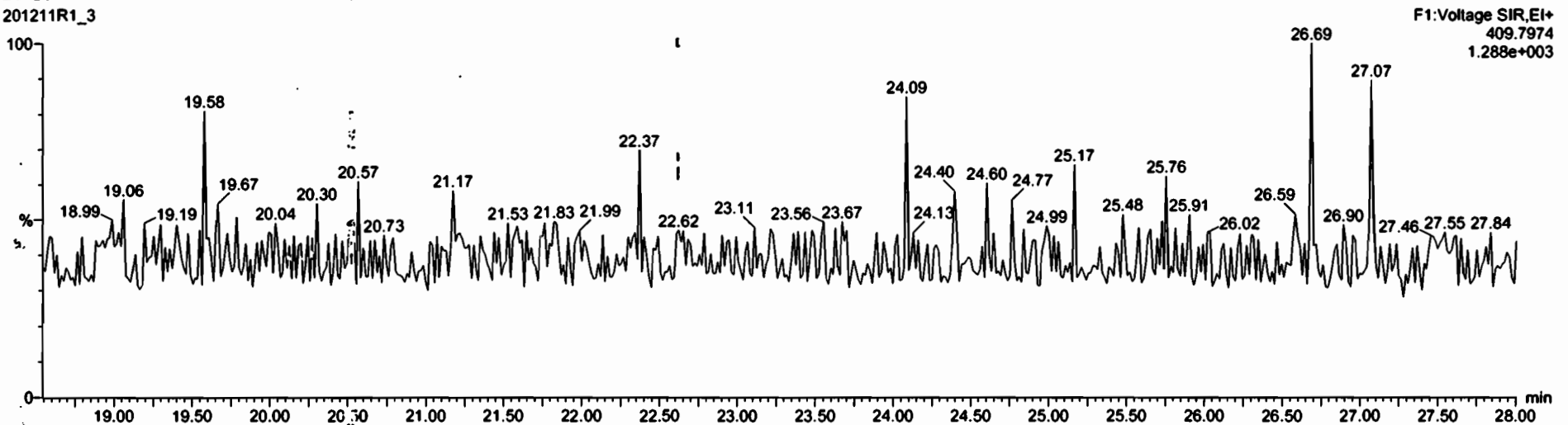


201211R1_3



DPE6

201211R1_3



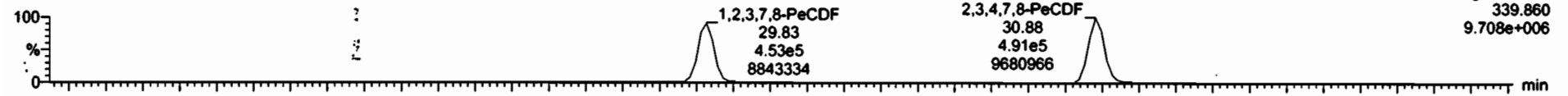
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

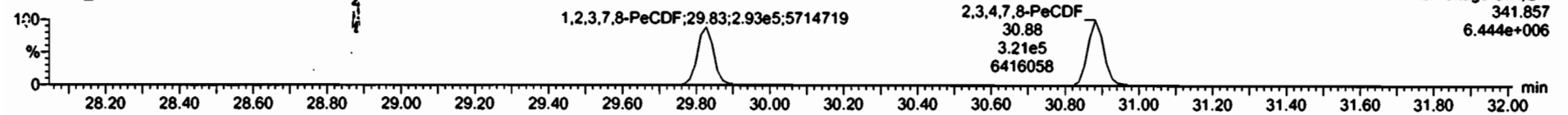
Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

1,2,3,7,8-PeCDF

201211R1_3



201211R1_3

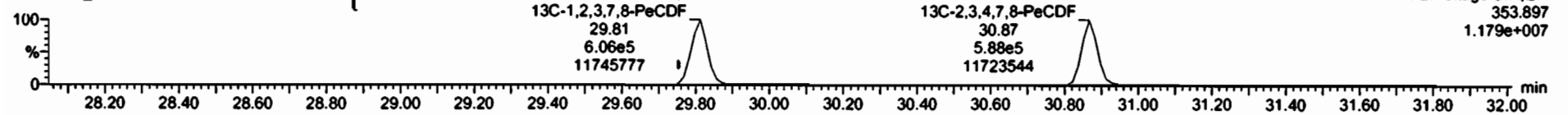


13C-1,2,3,7,8-PeCDF

201211R1_3

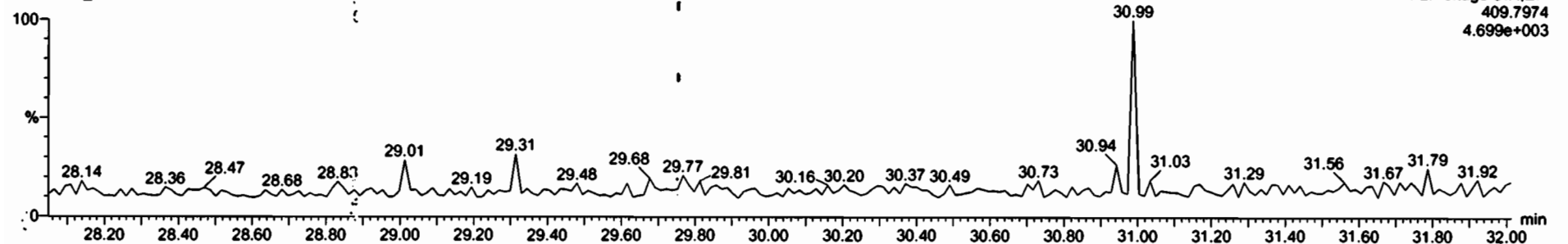


201211R1_3



DPE2

201211R1_3



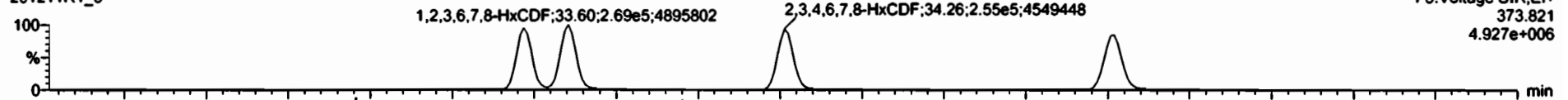
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

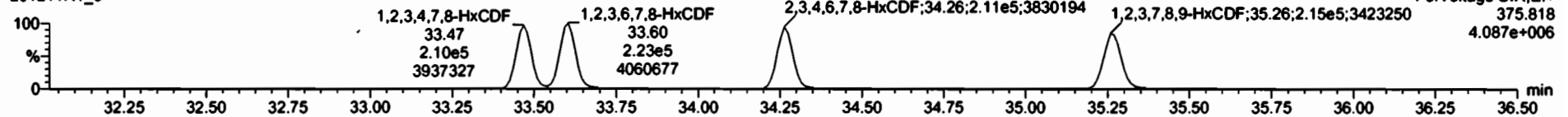
1,2,3,4,7,8-HxCDF

201211R1_3



F3:Voltage SIR,EI+
373.821
4.927e+006

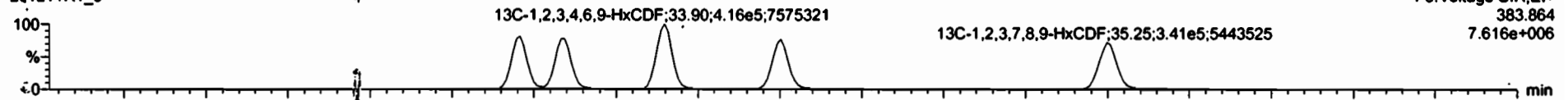
201211R1_3



F3:Voltage SIR,EI+
375.818
4.087e+006

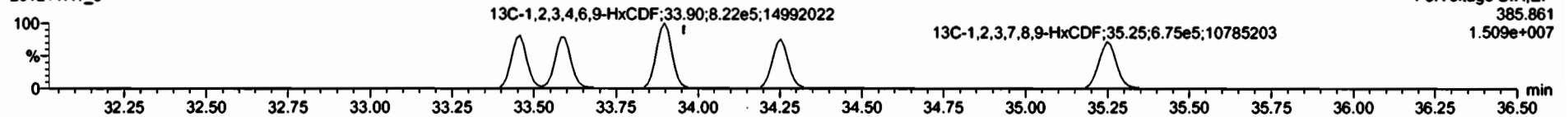
13C-1,2,3,4,7,8-HxCDF

201211R1_3



F3:Voltage SIR,EI+
383.864
7.616e+006

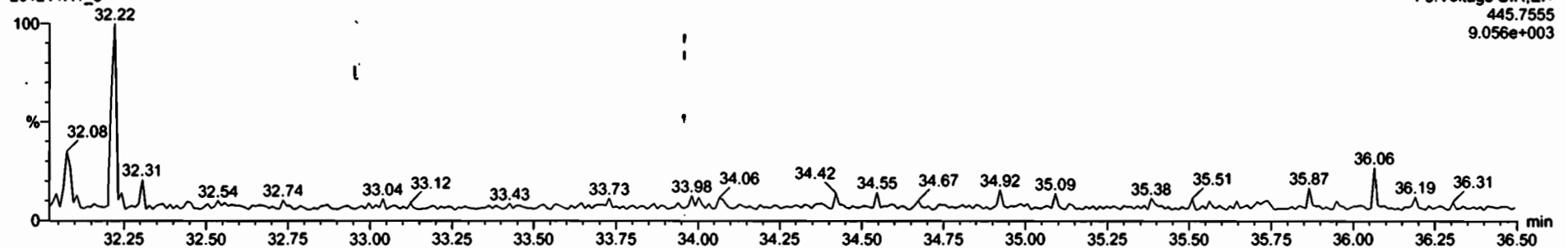
201211R1_3



F3:Voltage SIR,EI+
385.861
1.509e+007

DPE3

201211R1_3



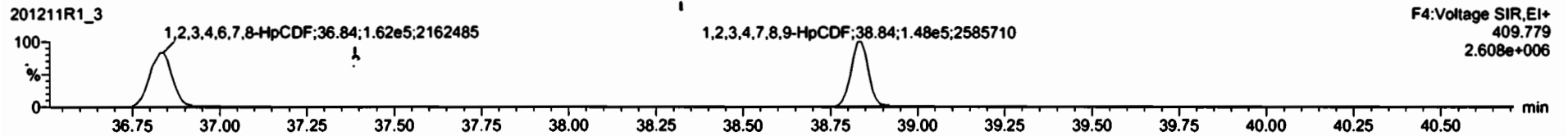
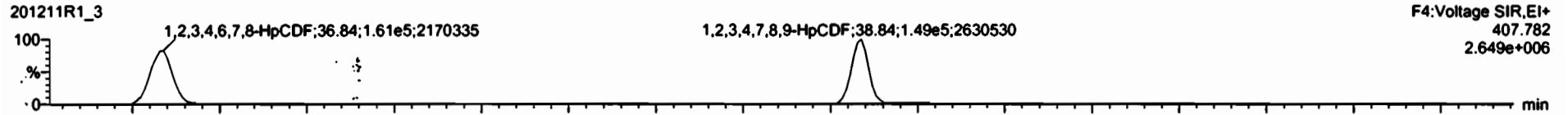
F3:Voltage SIR,EI+
445.7555
9.056e+003

Dataset: Untitled

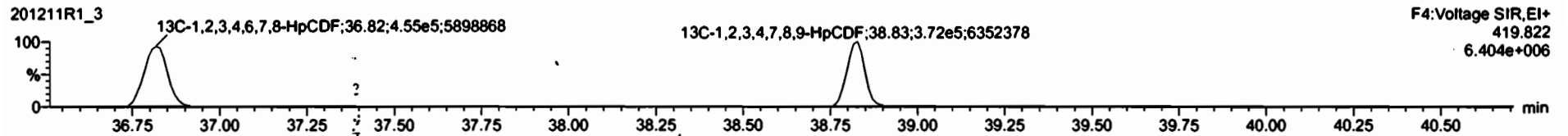
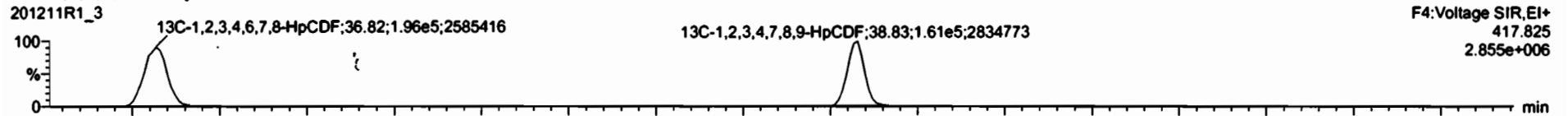
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

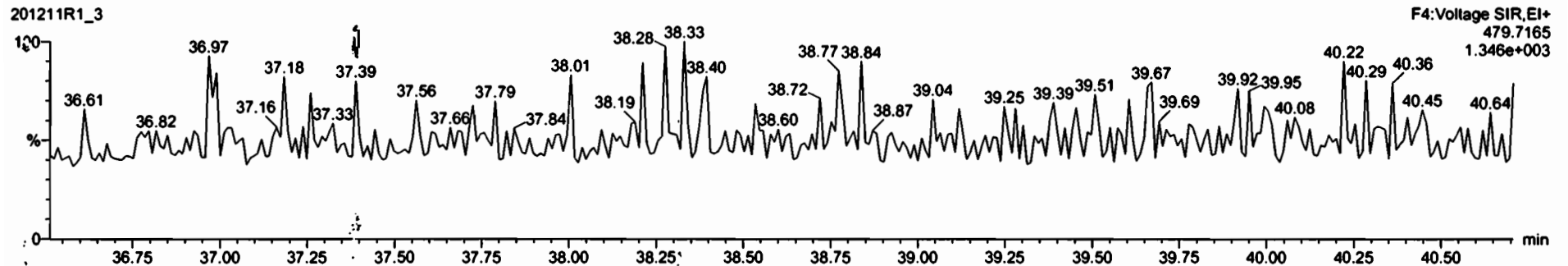
1,2,3,4,6,7,8-HpCDF



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



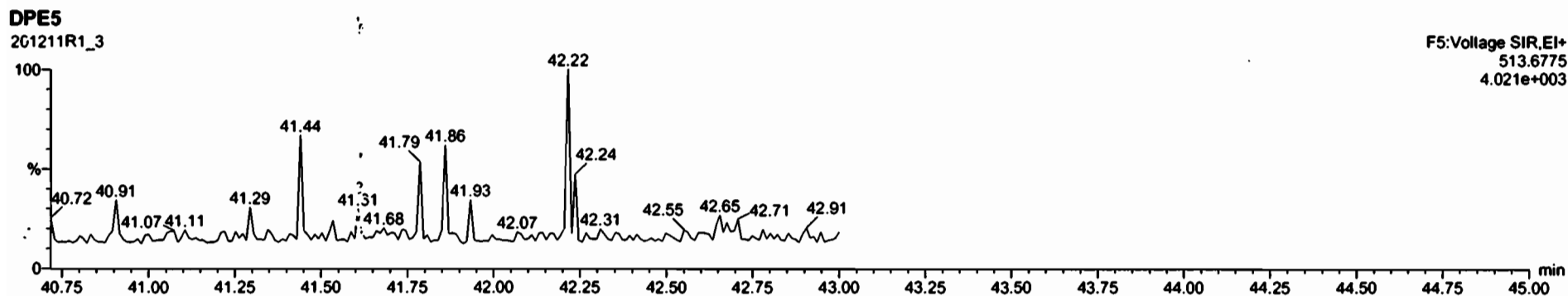
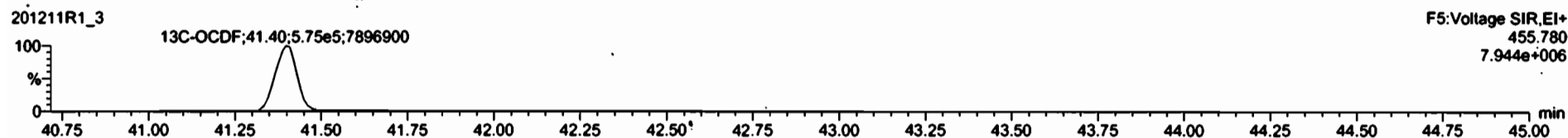
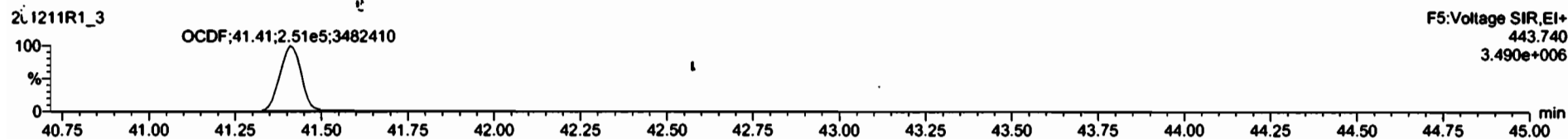
DPE4



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

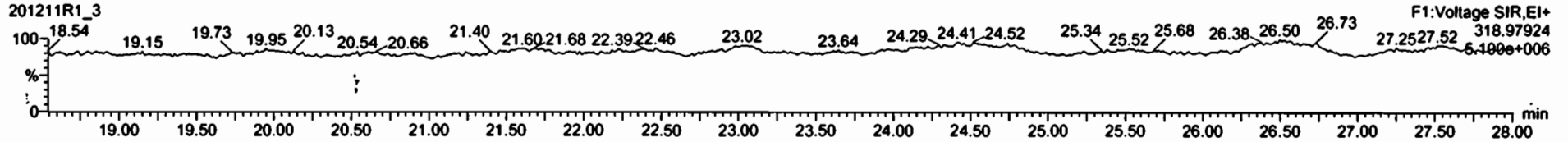


Dataset: Untitled

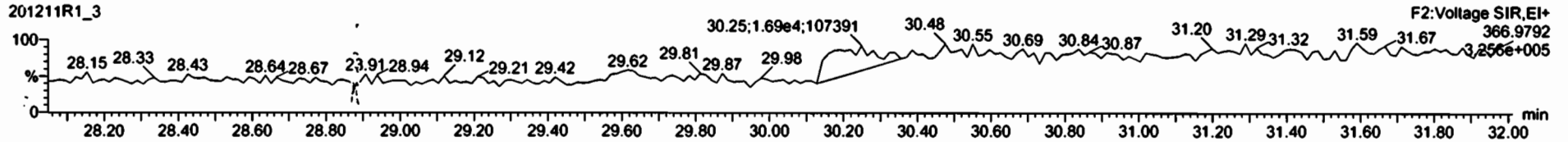
Last Altered: Monday, December 14, 2020 07:53:40 Pacific Standard Time
Printed: Monday, December 14, 2020 07:57:51 Pacific Standard Time

Name: 201211R1_3, Date: 11-Dec-2020, Time: 12:04:46, ID: B0L0016-BS1 OPR 10, Description: OPR

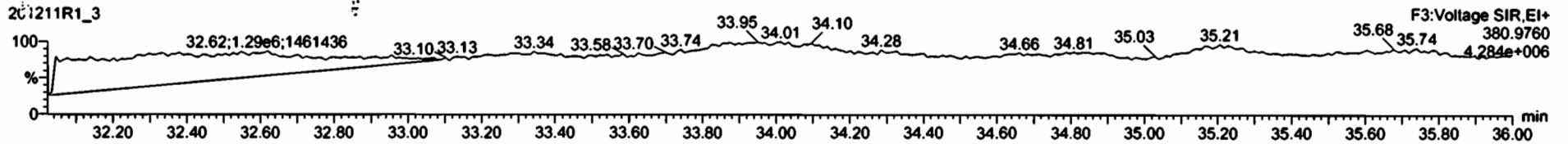
PFK1



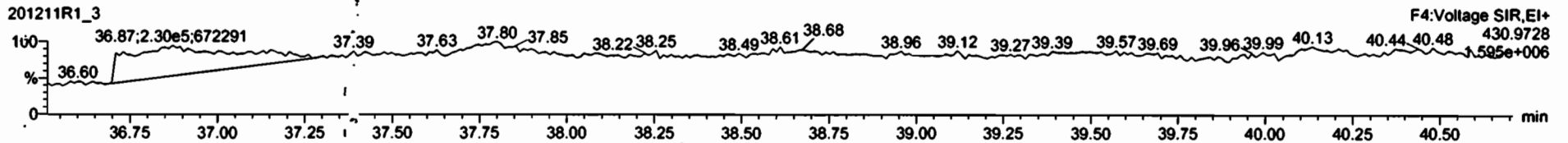
PFK2



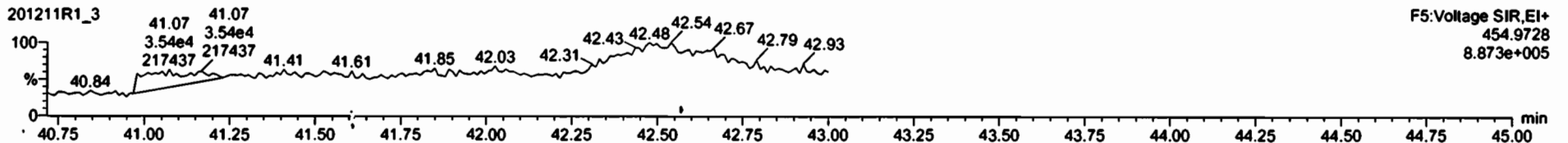
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

Last Altered: Wednesday, December 30, 2020 15:07:56 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:09:00 Pacific Standard Time

DB 12/30/20 CT 12/31/20 20

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 10 Dec 2020 12:07:43
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-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	1.00	10.000	26.020		1.001				0.128	
2	2 1,2,3,7,8-PeCDD			NO	0.935	10.000	30.489		1.001				0.181	
3	3 1,2,3,4,7,8-HxCDD			NO	1.15	10.000	33.722		1.000				0.180	
4	4 1,2,3,6,7,8-HxCDD			NO	1.02	10.000	33.822		1.000				0.183	
5	5 1,2,3,7,8,9-HxCDD			NO	1.06	10.000	34.130		1.001				0.178	
6	6 1,2,3,4,6,7,8-HpCDD			NO	1.00	10.000	37.542		1.000				0.231	
7	7 OCDD			NO	0.952	10.000	40.680		1.000				0.314	
8	8 2,3,7,8-TCDF			NO	1.01	10.000	25.357		1.001				0.0947	
9	9 1,2,3,7,8-PeCDF			NO	0.998	10.000	29.280		1.001				0.150	
10	10 2,3,4,7,8-PeCDF			NO	1.07	10.000	30.317		1.001				0.139	
11	11 1,2,3,4,7,8-HxCDF			NO	1.05	10.000	32.801		1.000				0.0908	
12	12 1,2,3,6,7,8-HxCDF			NO	1.10	10.000	32.943		1.000				0.0887	
13	13 2,3,4,6,7,8-HxCDF			NO	1.09	10.000	33.625		1.001				0.0971	
14	14 1,2,3,7,8,9-HxCDF			NO	1.08	10.000	34.601		1.000				0.127	
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.13	10.000	36.217		1.001				0.114	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.29	10.000	38.189		1.000				0.116	
17	17 OCDF			NO	0.953	10.000	41.009		1.000				0.243	
18	18 13C-2,3,7,8-TCDD	7.22e4	0.75	NO	1.17	10.000	25.912	25.99	1.026	1.029	174.01	87.0	0.586	
19	19 13C-1,2,3,7,8-PeCDD	5.77e4	0.64	NO	0.914	10.000	30.455	30.47	1.206	1.206	178.39	89.2	0.575	
20	20 13C-1,2,3,4,7,8-HxCDD	4.99e4	1.31	NO	0.634	10.000	33.717	33.71	1.014	1.014	191.40	95.7	0.927	
21	21 13C-1,2,3,6,7,8-HxCDD	5.52e4	1.29	NO	0.724	10.000	33.826	33.82	1.017	1.017	185.36	92.7	0.811	
22	22 13C-1,2,3,7,8,9-HxCDD	5.47e4	1.32	NO	0.716	10.000	34.096	34.10	1.025	1.025	185.91	93.0	0.820	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.02e4	1.05	NO	0.660	10.000	37.541	37.53	1.129	1.129	148.16	74.1	1.56	
24	24 13C-OCDD	5.63e4	0.93	NO	0.587	10.000	40.546	40.68	1.219	1.223	233.54	58.4	0.512	
25	25 13C-2,3,7,8-TCDF	1.09e5	0.79	NO	1.02	10.000	25.313	25.33	1.002	1.003	174.53	87.3	0.843	
26	26 13C-1,2,3,7,8-PeCDF	8.69e4	1.68	NO	0.842	10.000	29.188	29.26	1.156	1.159	168.88	84.4	0.534	
27	27 13C-2,3,4,7,8-PeCDF	8.44e4	1.68	NO	0.802	10.000	30.079	30.29	1.191	1.199	172.27	86.1	0.561	
28	28 13C-1,2,3,4,7,8-HxCDF	7.50e4	0.49	NO	1.00	10.000	32.852	32.80	0.988	0.986	181.87	90.9	0.798	
29	29 13C-1,2,3,6,7,8-HxCDF	7.31e4	0.49	NO	1.02	10.000	32.985	32.93	0.992	0.990	174.48	87.2	0.786	
30	30 13C-2,3,4,6,7,8-HxCDF	7.18e4	0.51	NO	0.955	10.000	33.554	33.59	1.009	1.010	182.77	91.4	0.838	
31	31 13C-1,2,3,7,8,9-HxCDF	6.20e4	0.50	NO	0.851	10.000	34.628	34.60	1.041	1.041	177.27	88.6	0.940	

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

Last Altered: Wednesday, December 30, 2020 15:07:56 Pacific Standard Time

Printed: Wednesday, December 30, 2020 15:09:00 Pacific Standard Time

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.30e4	0.42	NO	0.848	10.000	36.144	36.18	1.087	1.088	151.78	75.9	1.16	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.92e4	0.42	NO	0.624	10.000	38.139	38.19	1.147	1.149	152.55	76.3	1.58	
34	34 13C-OCDF	7.23e4	0.88	NO	0.730	10.000	40.699	41.01	1.224	1.233	240.76	60.2	0.550	
35	35 37Cl-2,3,7,8-TCDD	3.11e4			1.21	10.000	25.909	26.00	1.026	1.030	72.900	91.1	0.0988	
36	36 13C-1,2,3,4-TCDD	7.08e4	0.80	NO	1.00	10.000	25.300	25.26	1.000	1.000	200.00	100	0.687	
37	37 13C-1,2,3,4-TCDF	1.22e5	0.82	NO	1.00	10.000	23.880	23.83	1.000	1.000	200.00	100	0.861	
38	38 13C-1,2,3,4,6,9-HxCDF	8.22e4	0.50	NO	1.00	10.000	33.310	33.25	1.000	1.000	200.00	100	0.800	
39	39 Total Tetra-Dioxins				1.00	10.000	24.620		0.000				0.0859	
40	40 Total Penta-Dioxins				0.935	10.000	29.960		0.000				0.0716	
41	41 Total Hexa-Dioxins				1.02	10.000	33.635		0.000				0.0836	
42	42 Total Hepta-Dioxins				1.00	10.000	37.640		0.000				0.0716	
43	43 Total Tetra-Furans				1.01	10.000	23.610		0.000		0.00000		0.0427	0.137
44	44 1st Func. Penta-Furans				0.998	10.000	26.750		0.000				0.0259	
45	45 Total Penta-Furans				0.998	10.000	29.275		0.000				0.0614	
46	46 Total Hexa-Furans				1.09	10.000	33.555		0.000				0.0602	
47	47 Total Hepta-Furans				1.13	10.000	37.835		0.000				0.0739	

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

Last Altered: Wednesday, December 30, 2020 15:07:56 Pacific Standard Time

Printed: Wednesday, December 30, 2020 15:09:00 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	25.24	8.610e2	1.288e3	4.703e1	4.278e1	1.10	YES	0.000e0	0.00000	0.13706	0.0427

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

Last Altered: Wednesday, December 30, 2020 15:07:56 Pacific Standard Time

Printed: Wednesday, December 30, 2020 15:09:00 Pacific Standard Time

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

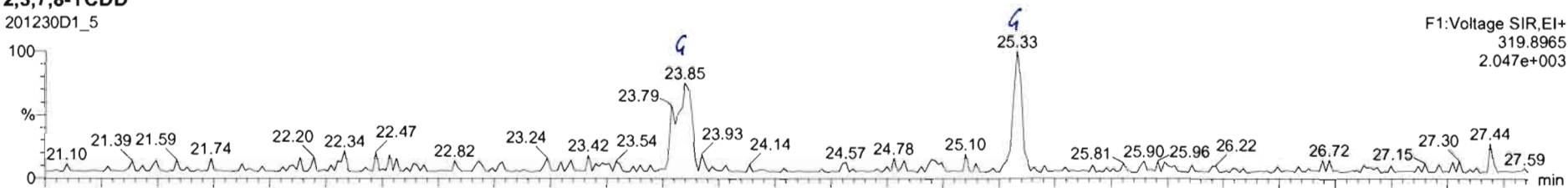
Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 10 Dec 2020 12:07:43
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

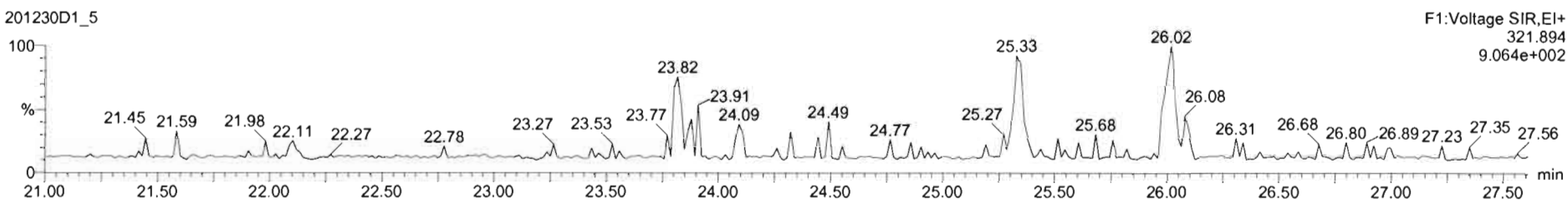
Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDD

201230D1_5

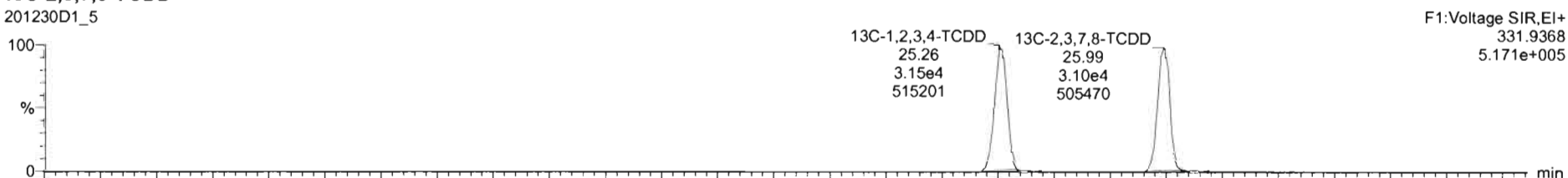


201230D1_5

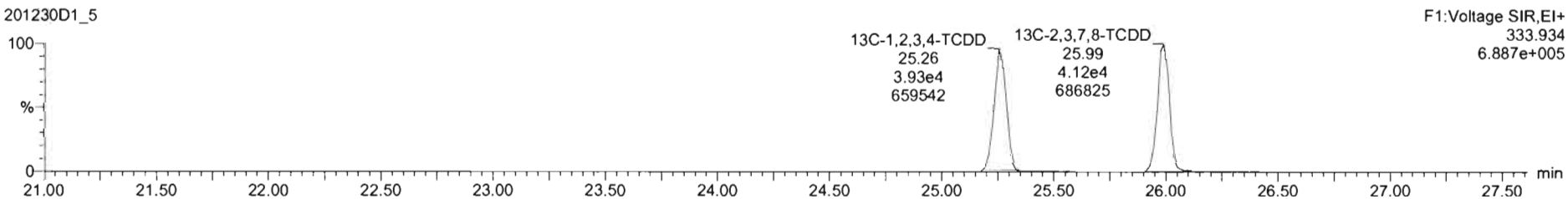


13C-2,3,7,8-TCDD

201230D1_5



201230D1_5

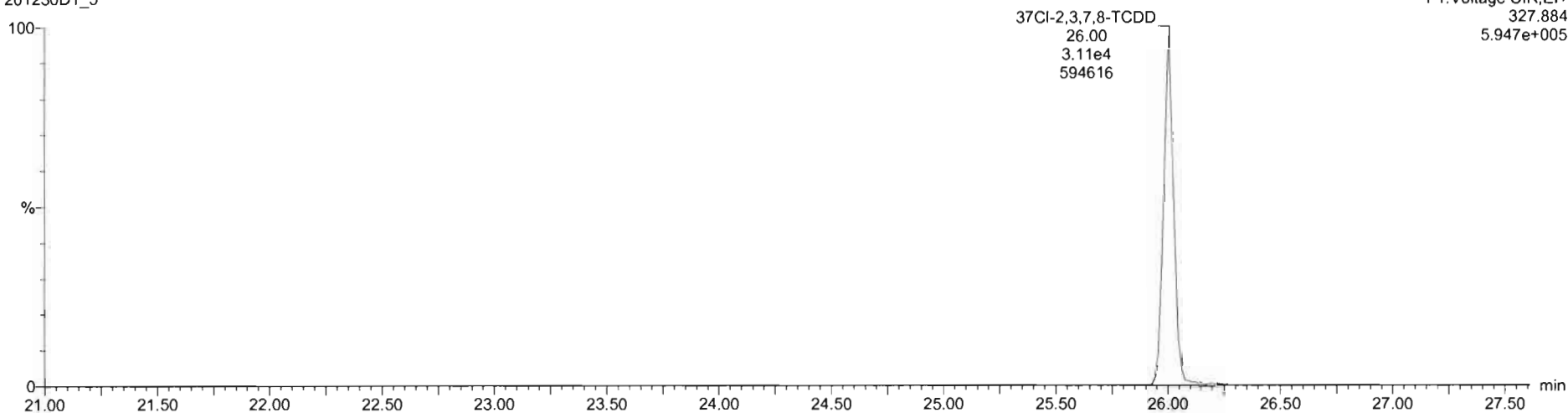


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

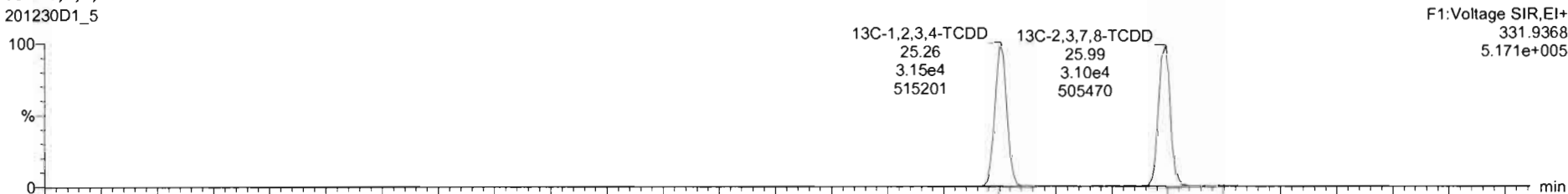
Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

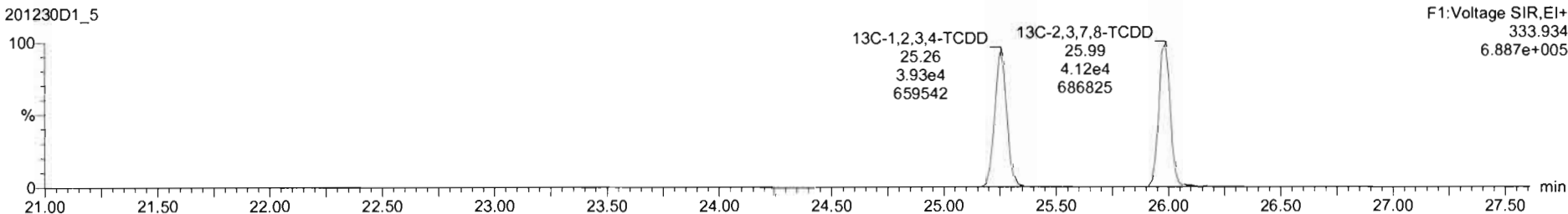
37Cl-2,3,7,8-TCDD
201230D1_5



13C-1,2,3,4-TCDD
201230D1_5



201230D1_5



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

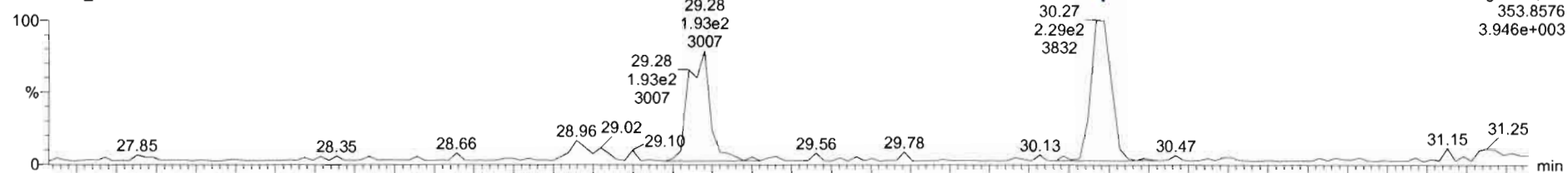
Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time

Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

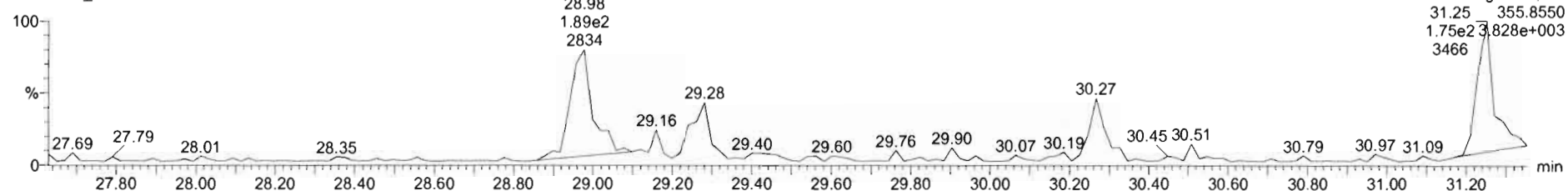
1,2,3,7,8-PeCDD

201230D1_5



F2:Voltage SIR,EI+
353.8576
3.946e+003

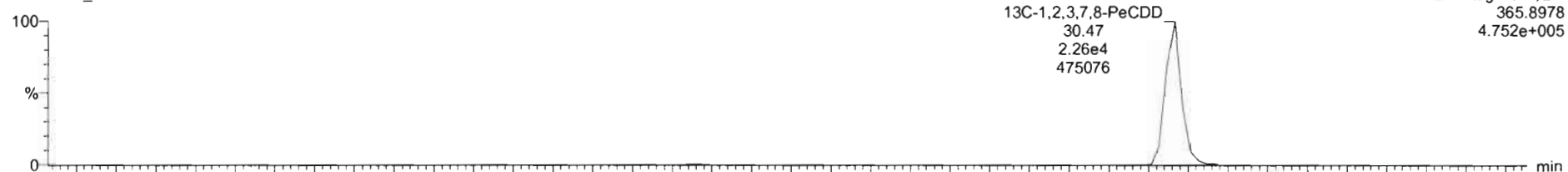
201230D1_5



F2:Voltage SIR,EI+
31.25 355.8550
1.75e2 3.828e+003
3466

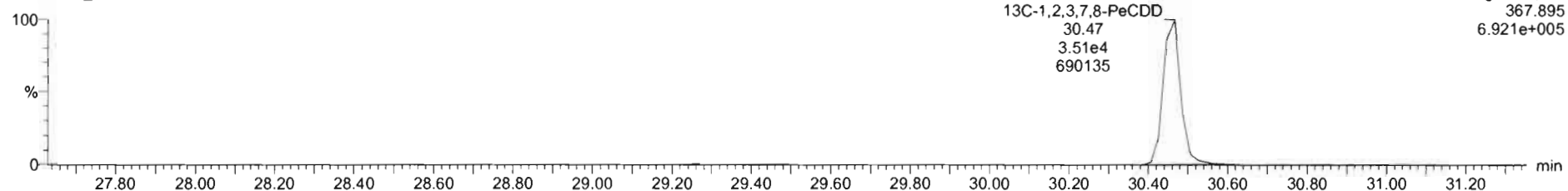
13C-1,2,3,7,8-PeCDD

201230D1_5



F2:Voltage SIR,EI+
365.8978
4.752e+005

201230D1_5



F2:Voltage SIR,EI+
367.895
6.921e+005

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

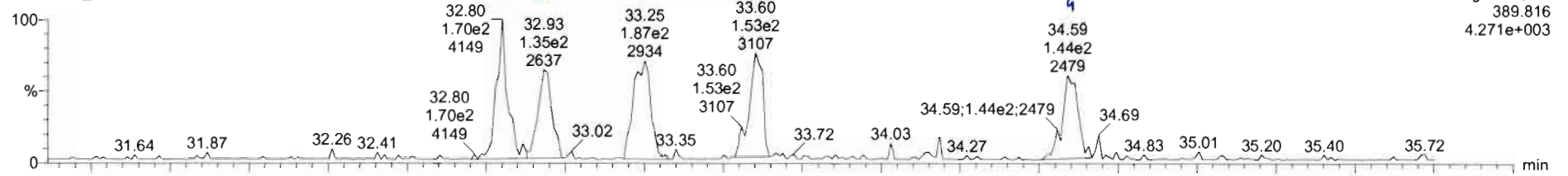
Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time

Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

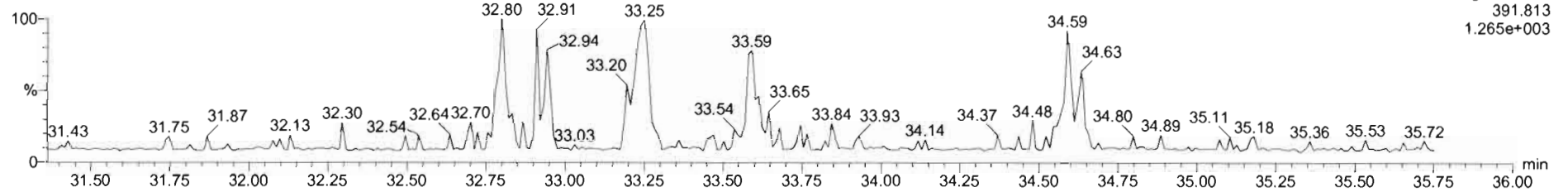
Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

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

201230D1_5

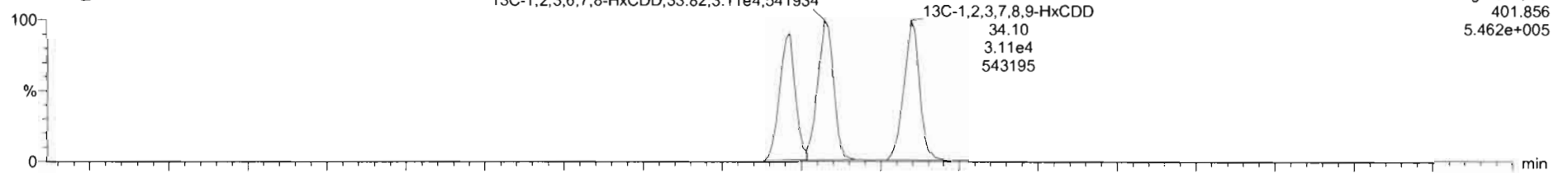


201230D1_5

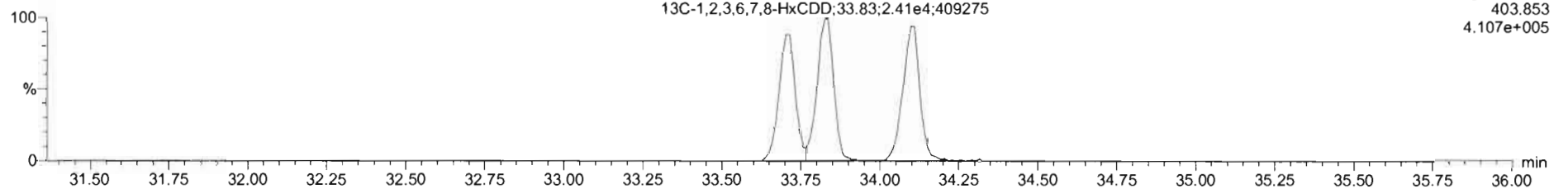


13C-1,2,3,4,7,8-HxCDD

201230D1_5



201230D1_5

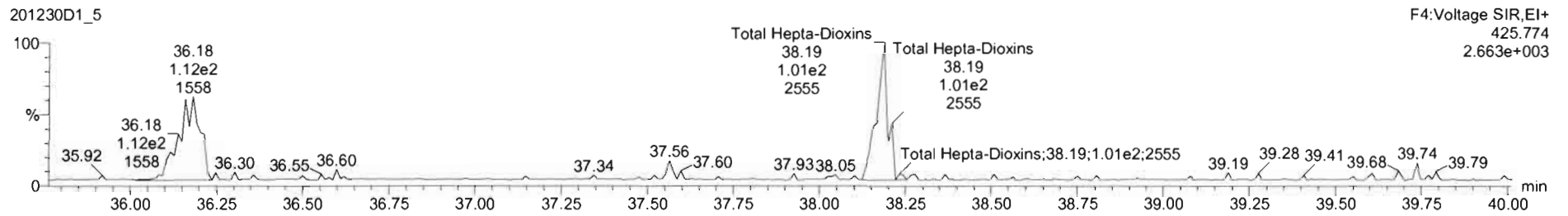
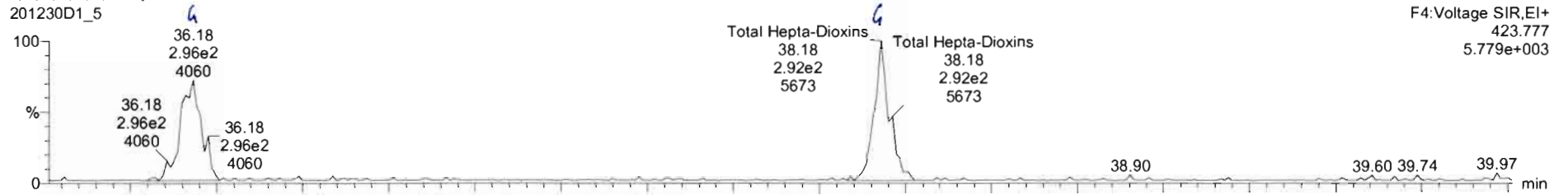


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

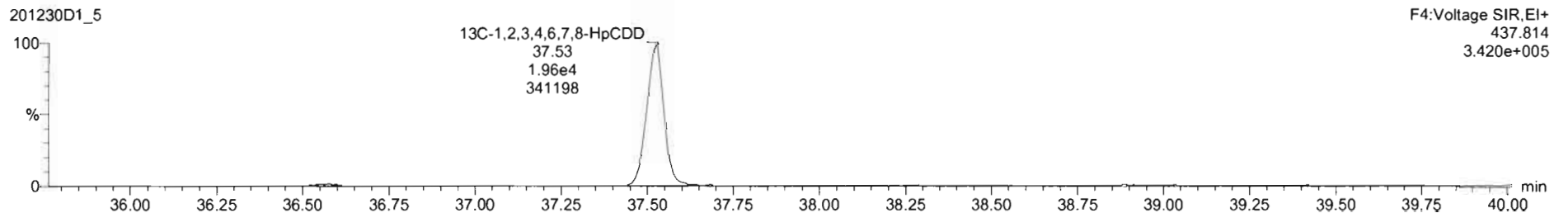
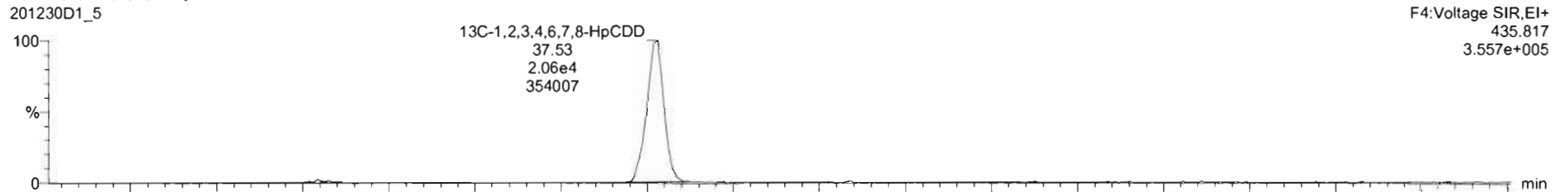
Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

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

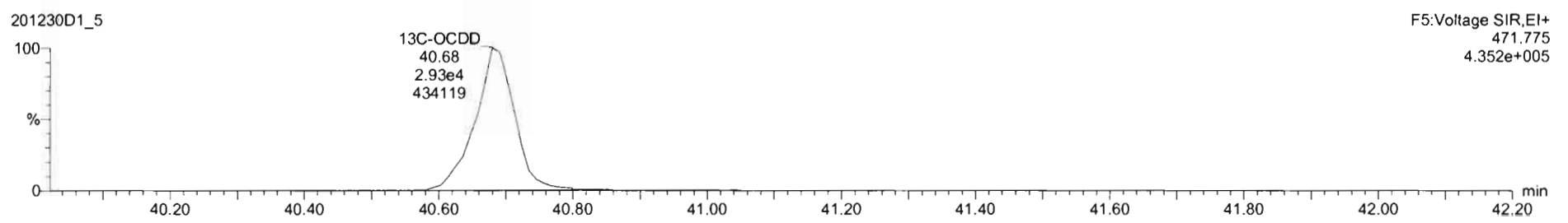
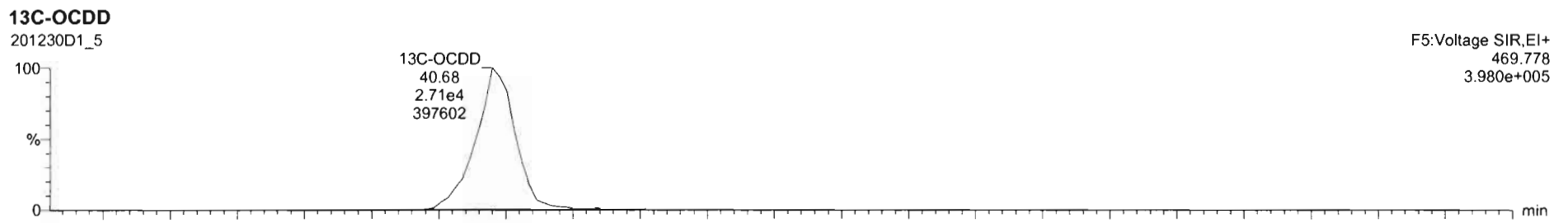
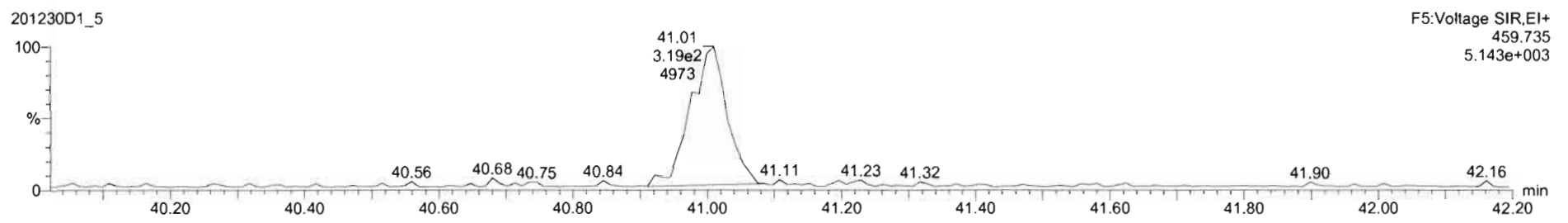
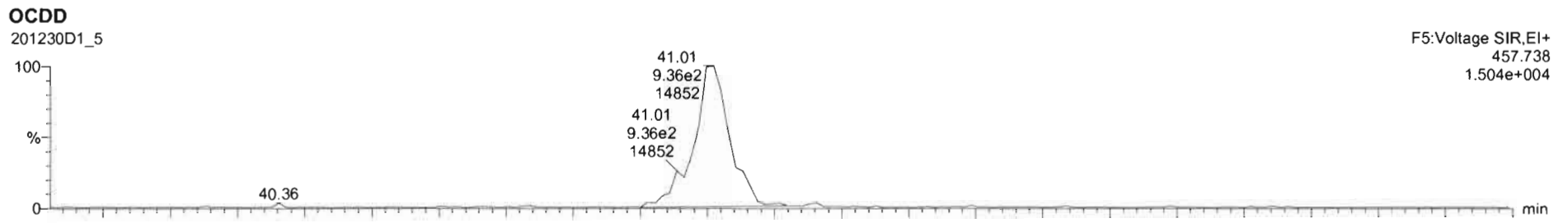


13C-1,2,3,4,6,7,8-HpCDD



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld
Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

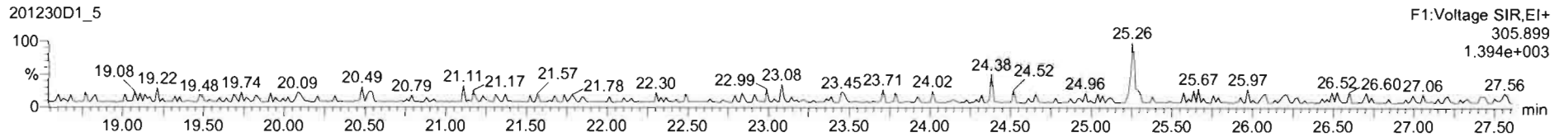
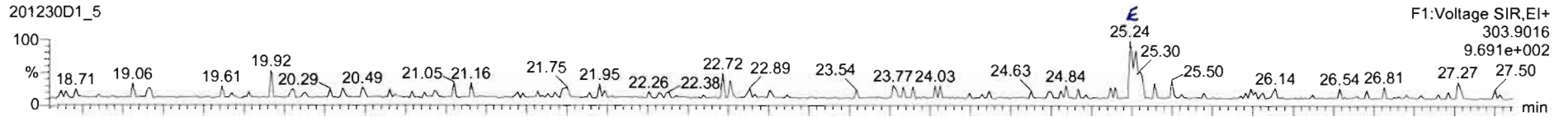


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

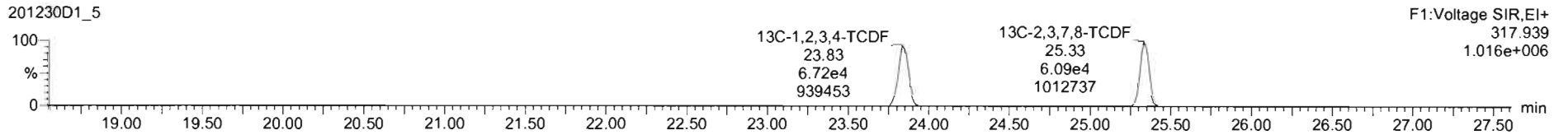
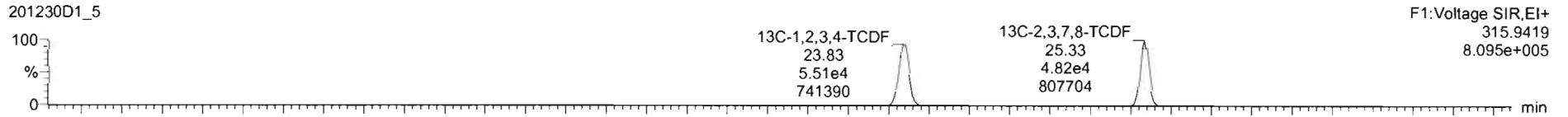
Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

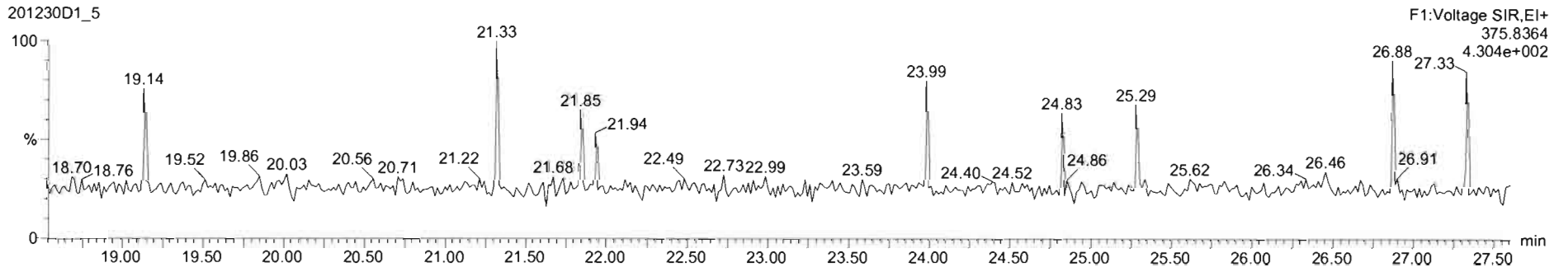
2,3,7,8-TCDF

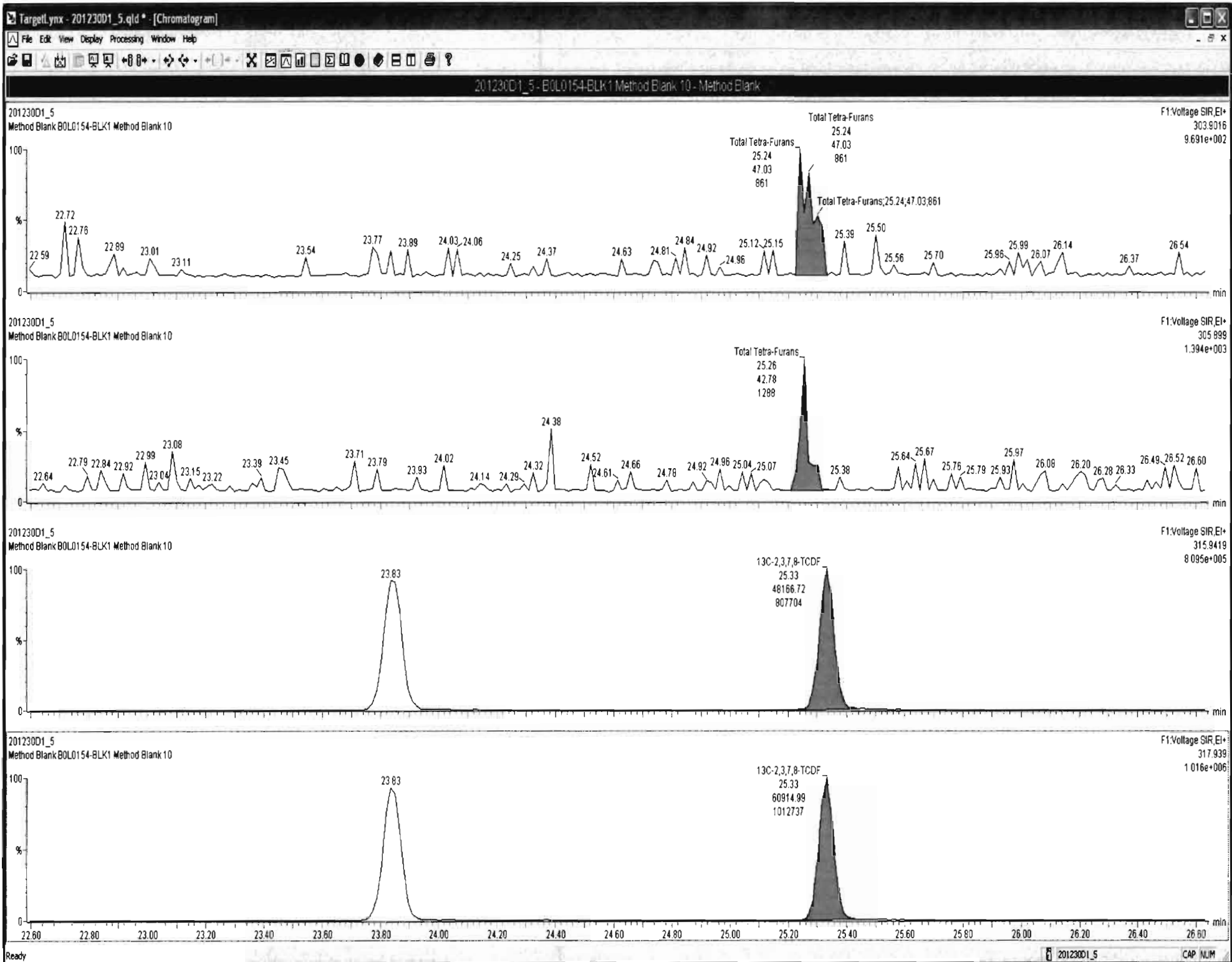


13C-2,3,7,8-TCDF



DPE1





Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

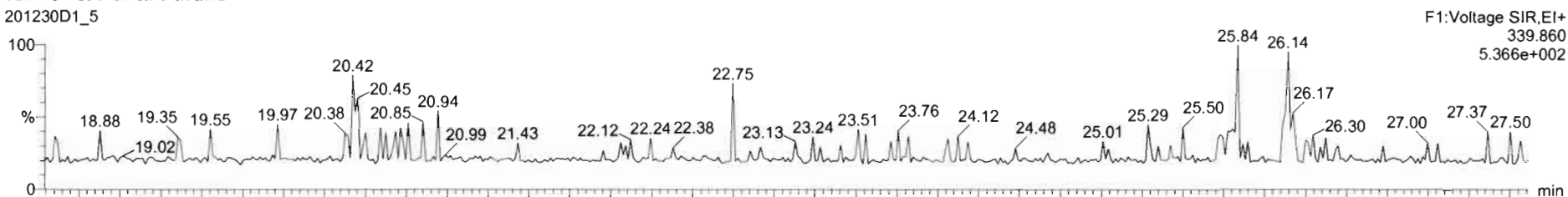
Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time

Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

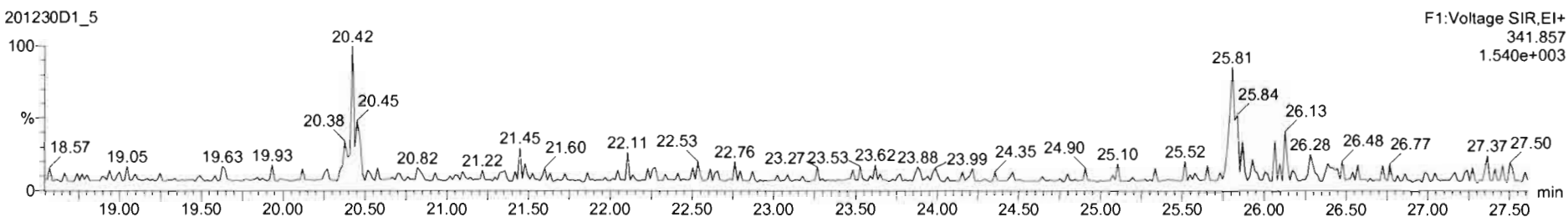
Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

201230D1_5

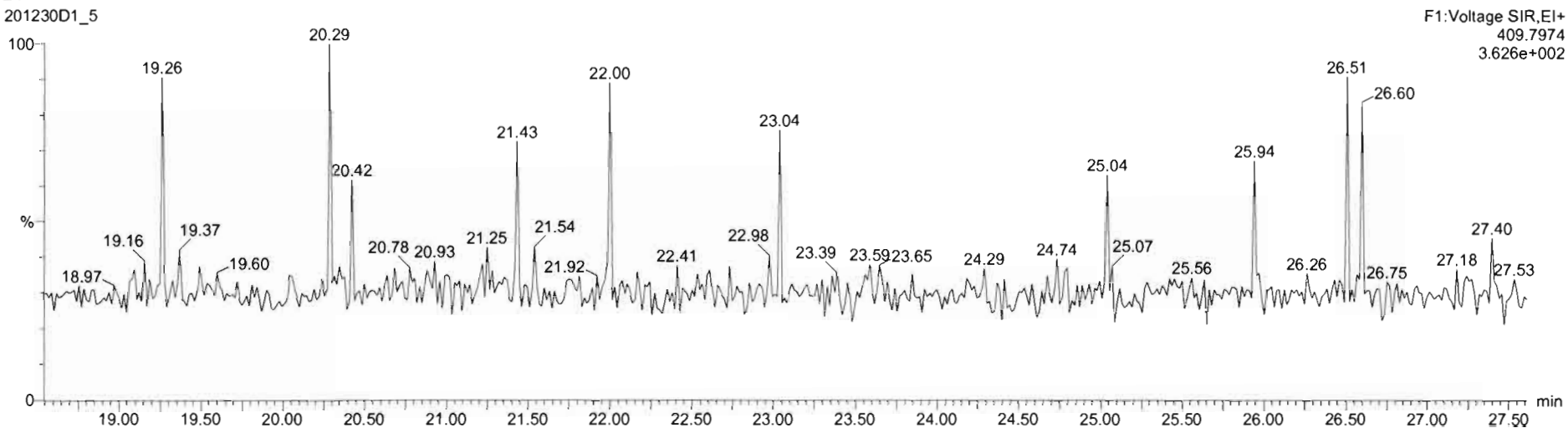


201230D1_5



DPE6

201230D1_5

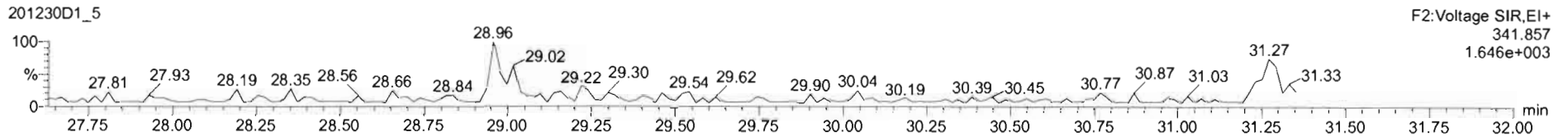
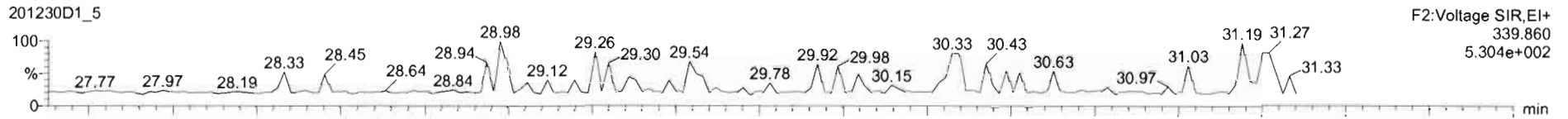


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

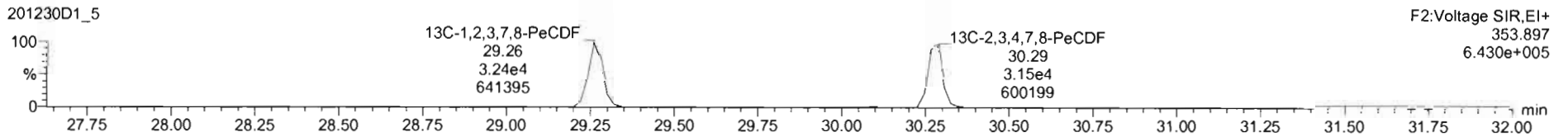
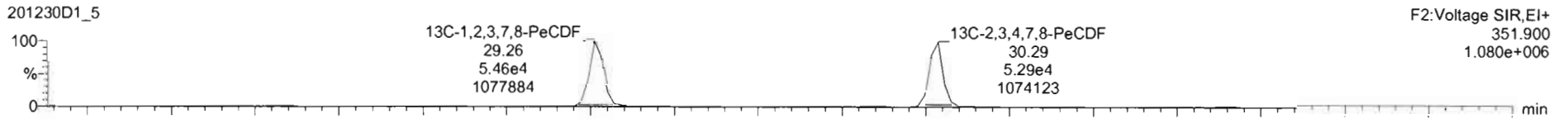
Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

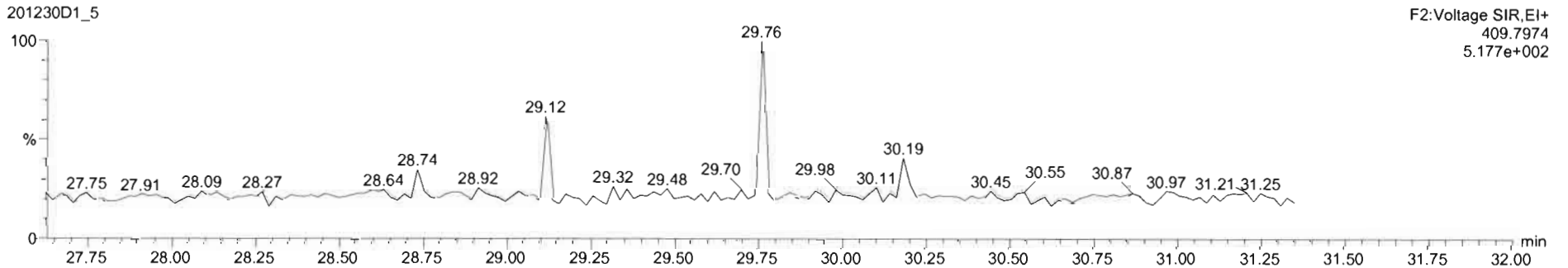
1,2,3,7,8-PeCDF



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



DPE2



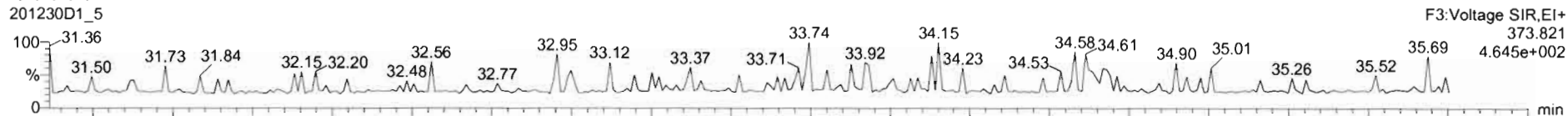
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

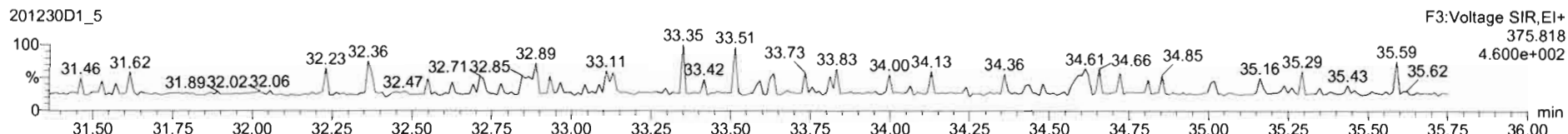
Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

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

201230D1_5

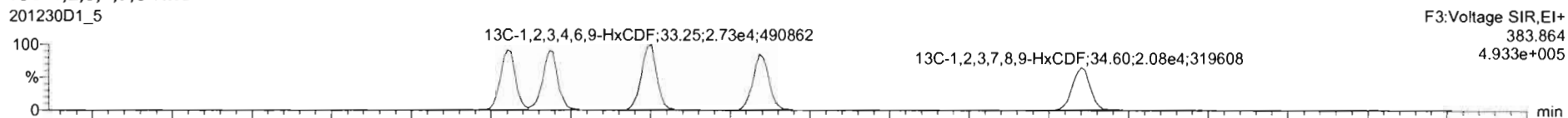


201230D1_5

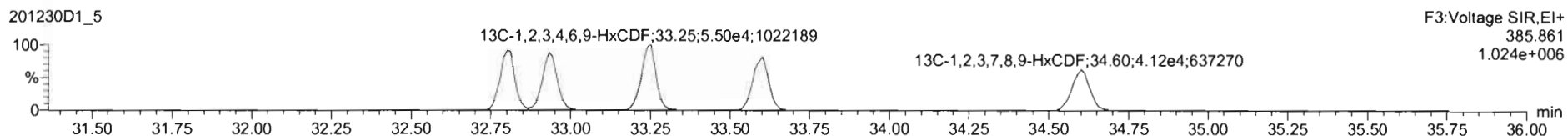


13C-1,2,3,4,7,8-HxCDF

201230D1_5

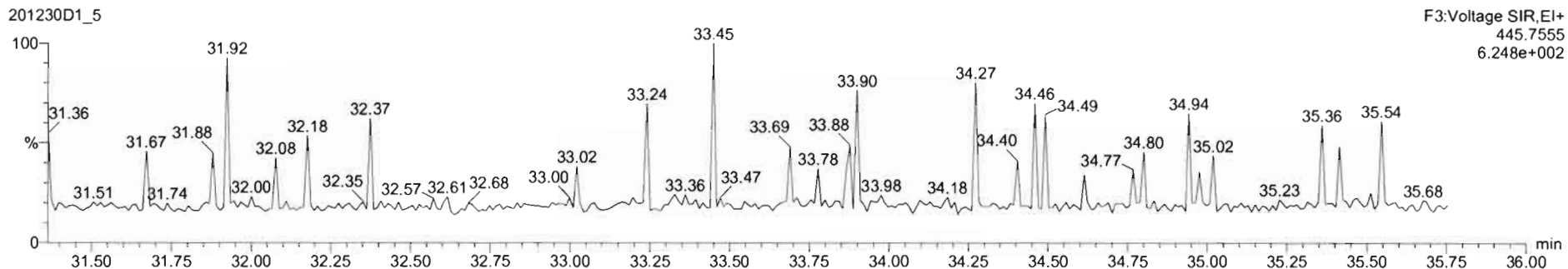


201230D1_5



DPE3

201230D1_5

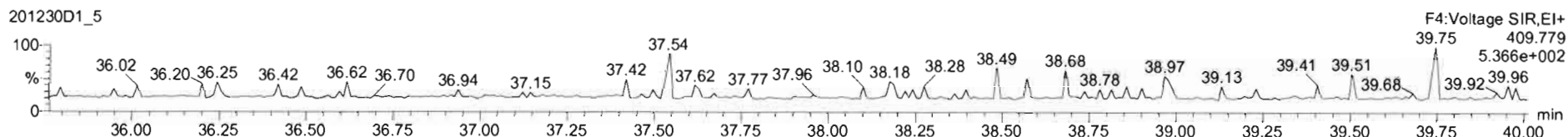
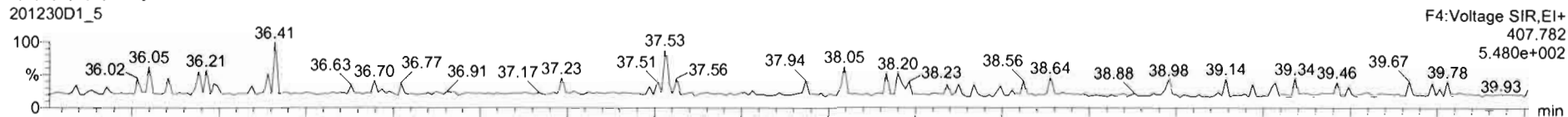


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

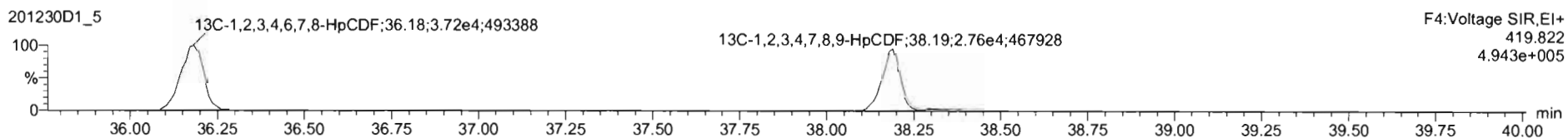
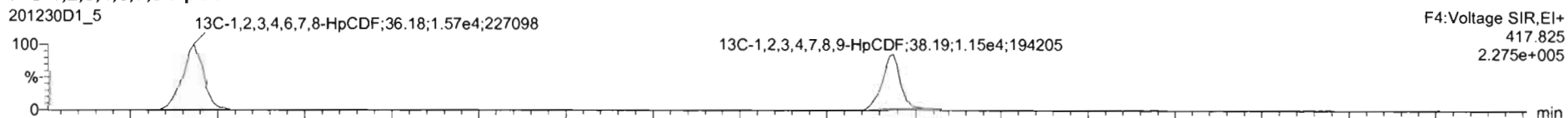
Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank

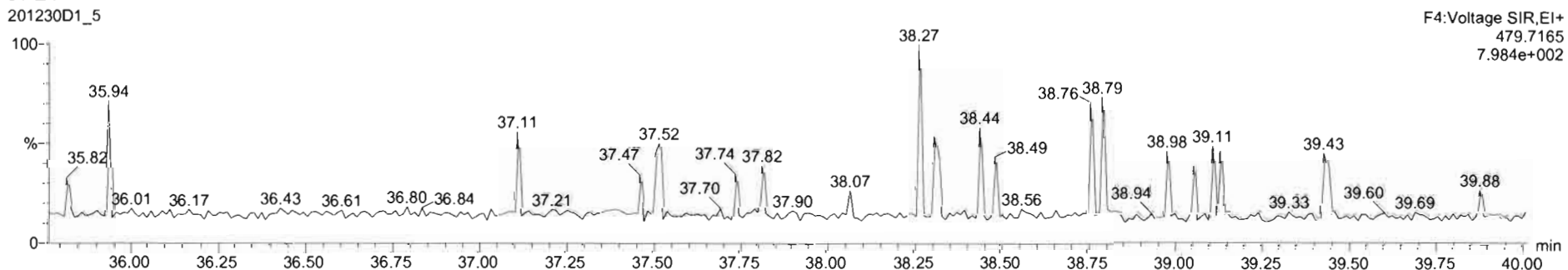
1,2,3,4,6,7,8-HpCDF



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



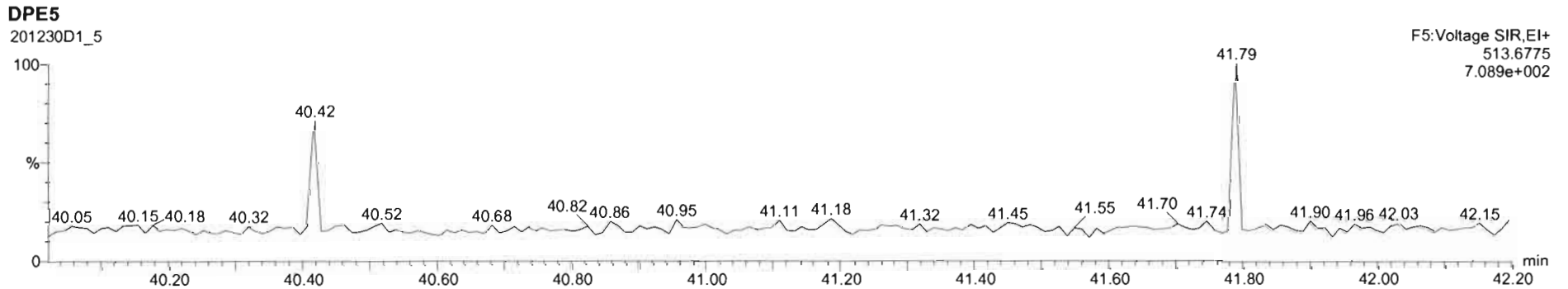
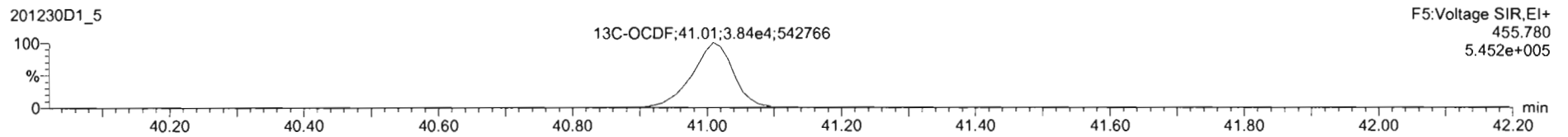
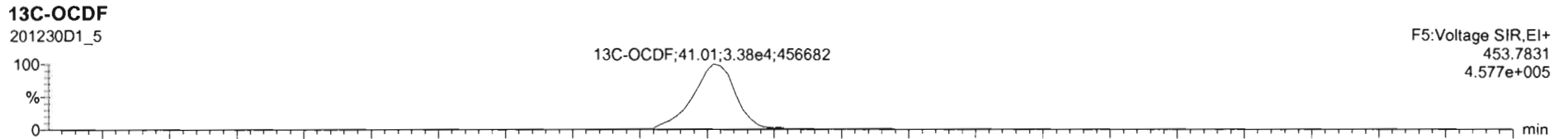
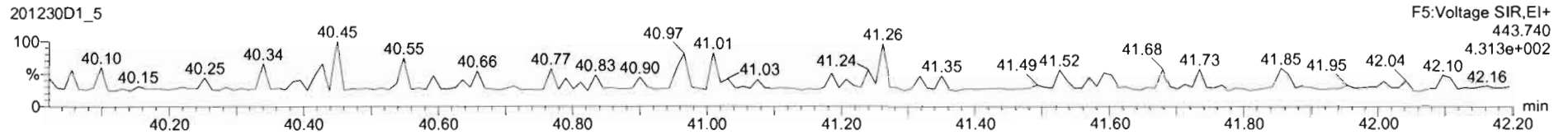
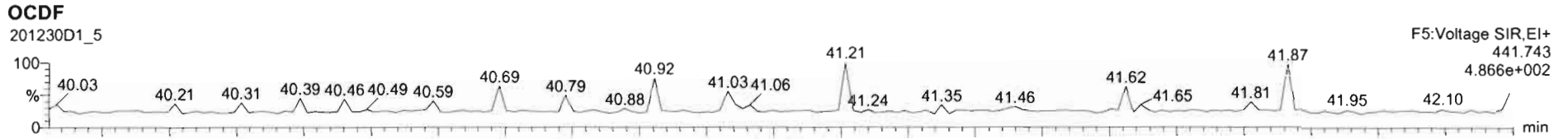
DPE4



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

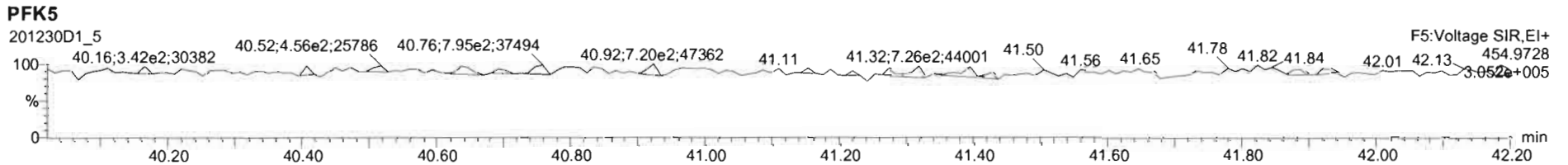
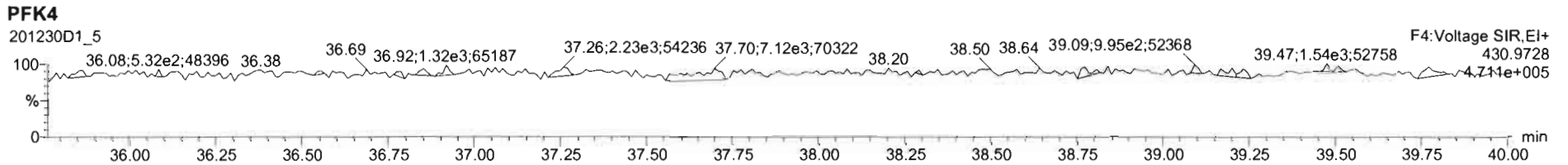
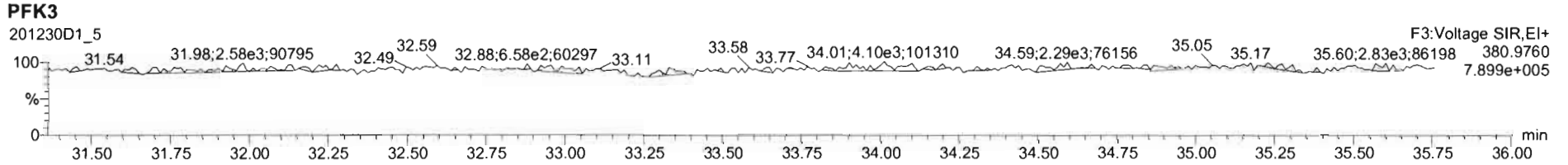
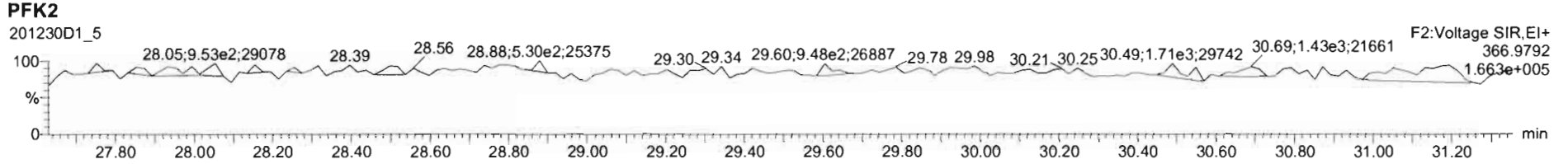
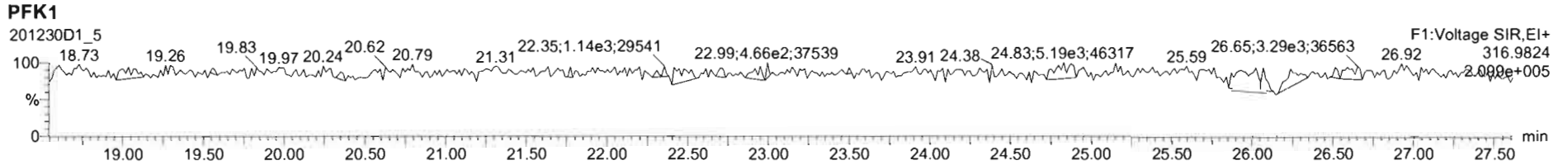
Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_5.qld

Last Altered: Wednesday, December 30, 2020 15:06:51 Pacific Standard Time
Printed: Wednesday, December 30, 2020 15:07:21 Pacific Standard Time

Name: 201230D1_5, Date: 30-Dec-2020, Time: 14:16:03, ID: B0L0154-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:53:20 Pacific Standard Time

DB 12/30/20 *C1 12/31/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 10 Dec 2020 12:07:43
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	7.16e3	0.84	NO	1.00	10.000	26.020	26.00	1.001	1.001	20.959	105 <i>67-156</i>	0.231	21.0
2	2 1,2,3,7,8-PeCDD	2.38e4	0.62	NO	0.935	10.000	30.489	30.49	1.001	1.001	101.67	102 <i>70-142</i>	0.444	102
3	3 1,2,3,4,7,8-HxCDD	2.25e4	1.30	NO	1.15	10.000	33.733	33.74	1.000	1.001	101.48	101 <i>70-164</i>	0.680	101
4	4 1,2,3,6,7,8-HxCDD	2.25e4	1.25	NO	1.02	10.000	33.843	33.85	1.000	1.000	98.173	98.2 <i>76-134</i>	0.719	98.2
5	5 1,2,3,7,8,9-HxCDD	2.16e4	1.26	NO	1.06	10.000	34.152	34.13	1.001	1.000	96.073	96.1 <i>64-162</i>	0.778	96.1
6	6 1,2,3,4,6,7,8-HpCDD	1.67e4	1.07	NO	1.00	10.000	37.553	37.56	1.000	1.001	104.54	105 <i>70-140</i>	1.30	105
7	7 OCDD	2.26e4	0.89	NO	0.952	10.000	40.701	40.71	1.000	1.000	203.04	102 <i>78-144</i>	0.794	203
8	8 2,3,7,8-TCDF	1.00e4	0.82	NO	1.01	10.000	25.372	25.36	1.001	1.001	19.323	96.6 <i>75-158</i>	0.151	19.3
9	9 1,2,3,7,8-PeCDF	3.96e4	1.66	NO	0.998	10.000	29.300	29.30	1.001	1.001	104.56	105 <i>80-134</i>	0.338	105
10	10 2,3,4,7,8-PeCDF	4.41e4	1.67	NO	1.07	10.000	30.337	30.31	1.001	1.000	110.58	111 <i>68-160</i>	0.326	111
11	11 1,2,3,4,7,8-HxCDF	3.38e4	1.25	NO	1.05	10.000	32.823	32.83	1.000	1.000	103.53	104 <i>72-134</i>	0.583	104
12	12 1,2,3,6,7,8-HxCDF	3.52e4	1.27	NO	1.10	10.000	32.965	32.97	1.000	1.000	106.31	106 <i>84-130</i>	0.605	106
13	13 2,3,4,6,7,8-HxCDF	3.33e4	1.26	NO	1.09	10.000	33.647	33.62	1.001	1.000	104.89	105 <i>70-156</i>	0.670	105
14	14 1,2,3,7,8,9-HxCDF	2.82e4	1.27	NO	1.08	10.000	34.612	34.63	1.000	1.001	106.32	106 <i>78-130</i>	0.980	106
15	15 1,2,3,4,6,7,8-HpCDF	2.59e4	1.03	NO	1.13	10.000	36.239	36.21	1.001	1.000	102.64	103 <i>82-122</i>	0.977	103
16	16 1,2,3,4,7,8,9-HpCDF	2.06e4	1.05	NO	1.29	10.000	38.189	38.21	1.000	1.001	99.778	99.8 <i>78-138</i>	1.05	99.8
17	17 OCDF	3.20e4	0.87	NO	0.953	10.000	41.042	41.04	1.000	1.000	218.62	109 <i>68-170</i>	0.814	219
18	18 13C-2,3,7,8-TCDD	6.82e4	0.80	NO	1.17	10.000	25.928	25.99	1.026	1.028	184.80	92.4 <i>20-175</i>	0.778	
19	19 13C-1,2,3,7,8-PeCDD	5.01e4	0.64	NO	0.914	10.000	30.474	30.47	1.206	1.206	174.28	87.1 <i>21-277</i>	0.800	
20	20 13C-1,2,3,4,7,8-HxCDD	3.86e4	1.29	NO	0.634	10.000	33.728	33.72	1.014	1.014	186.16	93.1 <i>21-193</i>	1.22	
21	21 13C-1,2,3,6,7,8-HxCDD	4.47e4	1.30	NO	0.724	10.000	33.837	33.84	1.017	1.017	188.70	94.4 <i>25-163</i>	1.07	
22	22 13C-1,2,3,7,8,9-HxCDD	4.24e4	1.26	NO	0.716	10.000	34.107	34.12	1.025	1.026	180.97	90.5 <i>21-193</i>	1.08	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.20e4	1.07	NO	0.660	10.000	37.553	37.54	1.129	1.129	148.04	74.0 <i>26-166</i>	1.62	
24	24 13C-OCDD	4.67e4	0.91	NO	0.587	10.000	40.560	40.70	1.219	1.224	243.34	60.8 <i>13-198</i>	0.792	
25	25 13C-2,3,7,8-TCDF	1.02e5	0.77	NO	1.02	10.000	25.329	25.35	1.002	1.003	194.72	97.4 <i>22-152</i>	0.799	
26	26 13C-1,2,3,7,8-PeCDF	7.59e4	1.65	NO	0.842	10.000	29.205	29.28	1.156	1.159	175.62	87.8 <i>21-192</i>	1.31	
27	27 13C-2,3,4,7,8-PeCDF	7.43e4	1.64	NO	0.802	10.000	30.097	30.31	1.191	1.199	180.41	90.2 <i>13-328</i>	1.37	
28	28 13C-1,2,3,4,7,8-HxCDF	6.21e4	0.50	NO	1.00	10.000	32.863	32.82	0.988	0.987	189.32	94.7 <i>19-202</i>	1.24	
29	29 13C-1,2,3,6,7,8-HxCDF	6.03e4	0.50	NO	1.02	10.000	32.996	32.95	0.992	0.991	180.99	90.5 <i>21-159</i>	1.22	
30	30 13C-2,3,4,6,7,8-HxCDF	5.83e4	0.51	NO	0.955	10.000	33.565	33.61	1.009	1.011	186.71	93.4 <i>22-176</i>	1.31	
31	31 13C-1,2,3,7,8,9-HxCDF	4.91e4	0.51	NO	0.851	10.000	34.639	34.61	1.041	1.041	176.33	88.2 <i>17-205</i>	1.47	

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time

Printed: Wednesday, December 30, 2020 12:53:20 Pacific Standard Time

Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

	# Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.46e4	0.43	NO	0.848	10.000	36.156	36.20	1.087	1.088	160.63	80.3 <i>21-158</i>	1.51	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.22e4	0.43	NO	0.624	10.000	38.152	38.19	1.147	1.148	157.58	78.8 <i>20-186</i>	2.05	
34	34 13C-OCDF	6.15e4	0.89	NO	0.730	10.000	40.713	41.04	1.224	1.234	257.64	64.4 <i>13-198</i>	0.703	
35	35 37Cl-2,3,7,8-TCDD	2.95e4			1.21	10.000	25.925	26.02	1.026	1.030	77.649	97.1 <i>31-191</i>	0.186	
36	36 13C-1,2,3,4-TCDD	6.29e4	0.80	NO	1.00	10.000	25.300	25.27	1.000	1.000	200.00	100	0.913	
37	37 13C-1,2,3,4-TCDF	1.03e5	0.79	NO	1.00	10.000	23.880	23.85	1.000	1.000	200.00	100	0.816	
38	38 13C-1,2,3,4,6,9-HxCDF	6.54e4	0.51	NO	1.00	10.000	33.310	33.26	1.000	1.000	200.00	100	1.25	

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

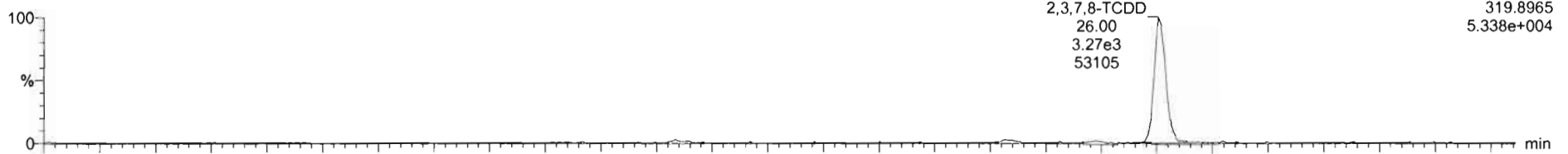
Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 10 Dec 2020 12:07:43
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

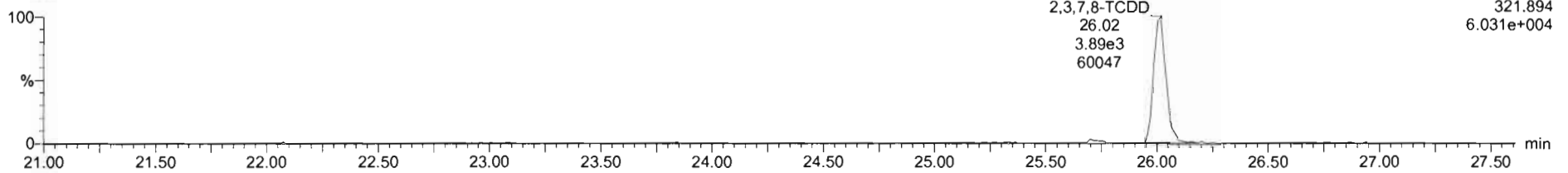
Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

2,3,7,8-TCDD

201230D1_2

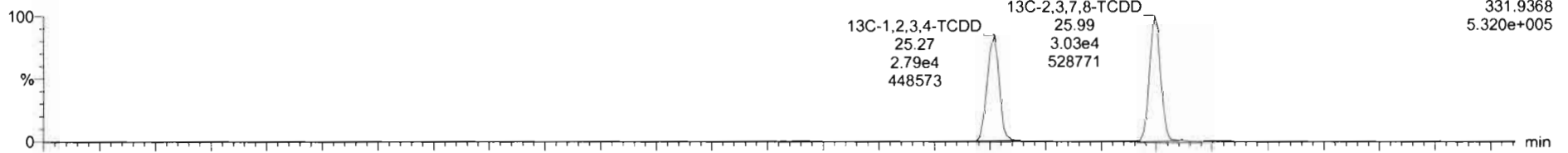


201230D1_2

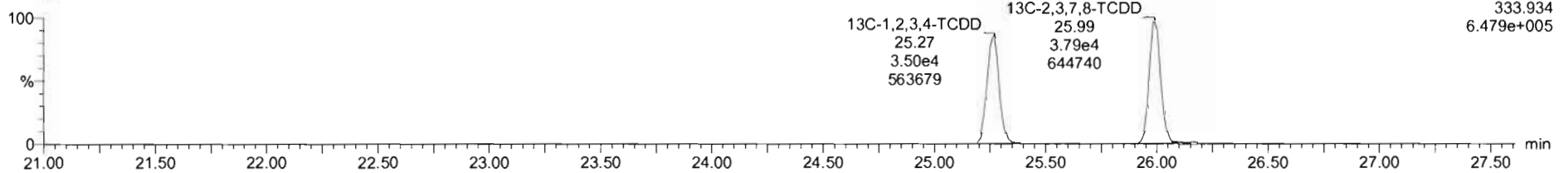


13C-2,3,7,8-TCDD

201230D1_2



201230D1_2



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

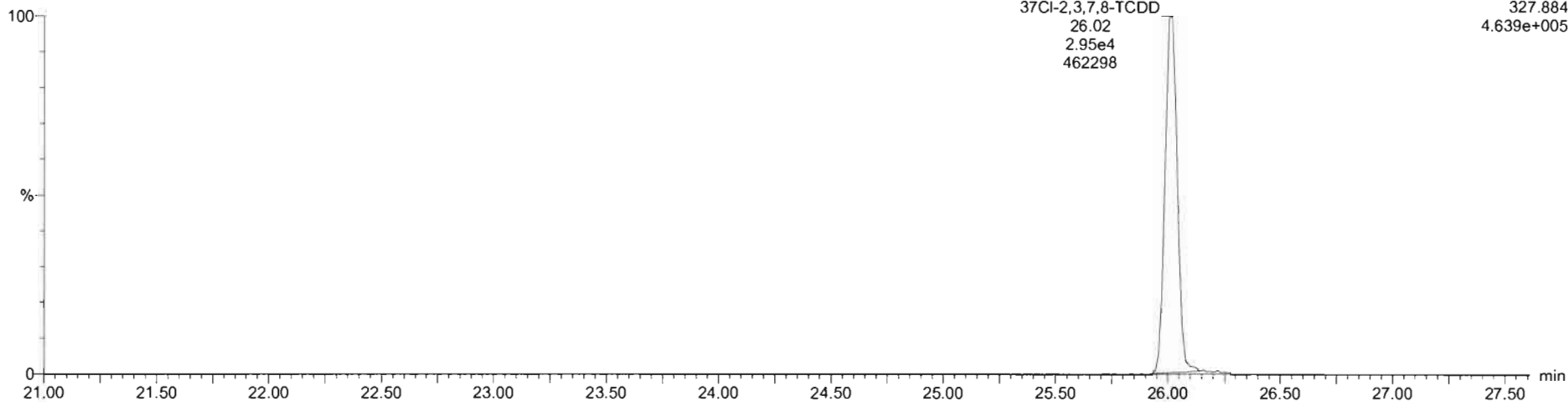
Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time

Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

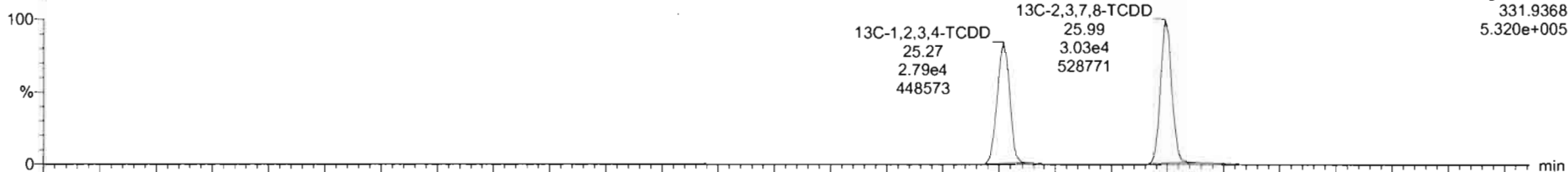
37Cl-2,3,7,8-TCDD

201230D1_2

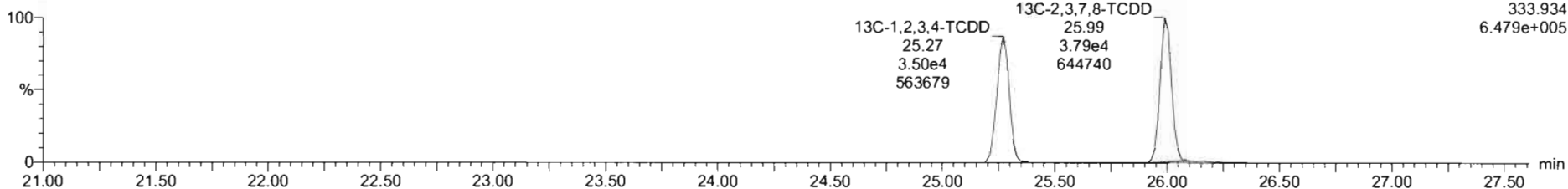


13C-1,2,3,4-TCDD

201230D1_2



201230D1_2



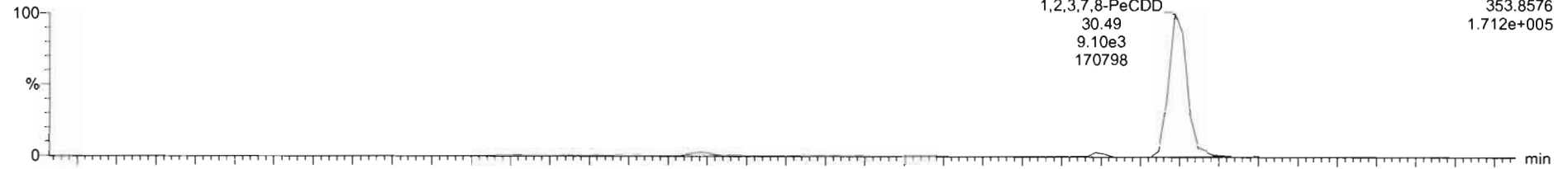
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

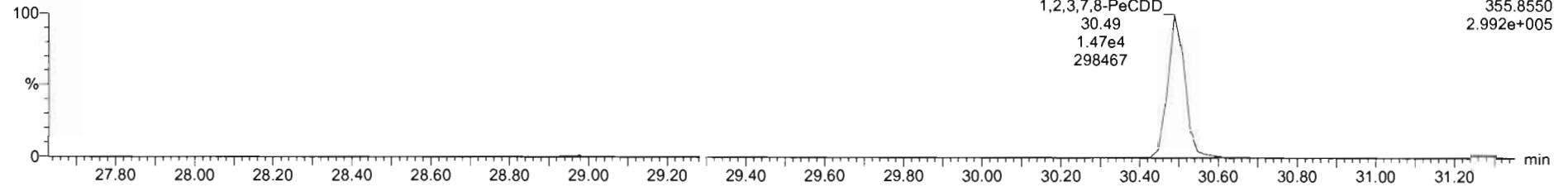
Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

1,2,3,7,8-PeCDD

201230D1_2

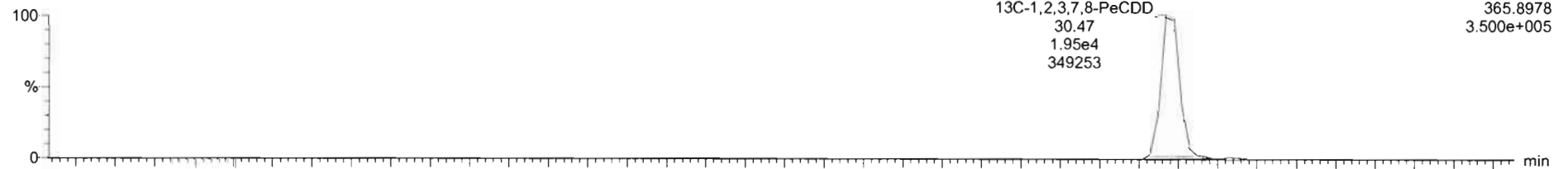


201230D1_2

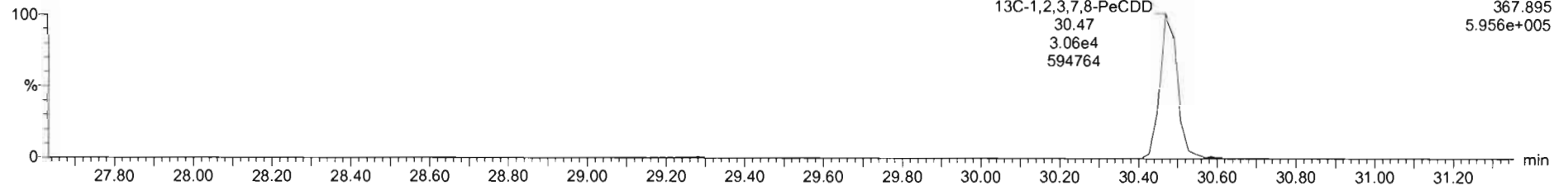


13C-1,2,3,7,8-PeCDD

201230D1_2



201230D1_2



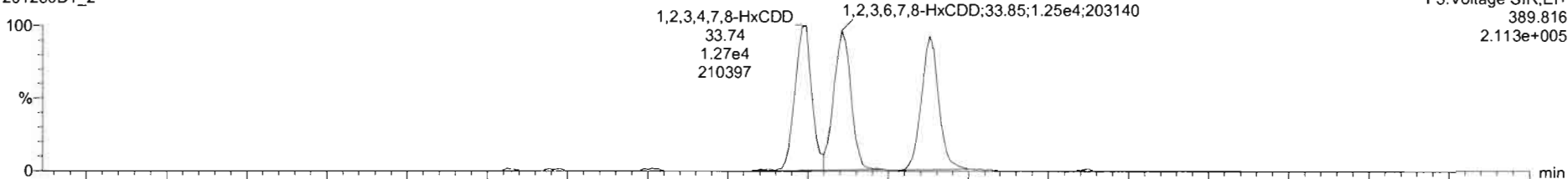
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

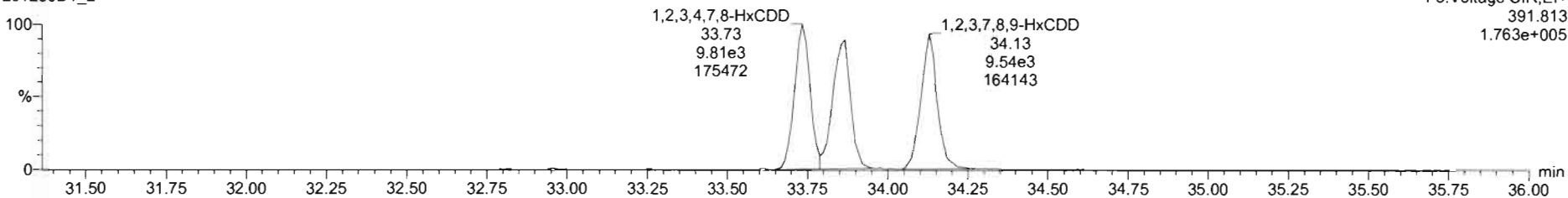
Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

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

201230D1_2

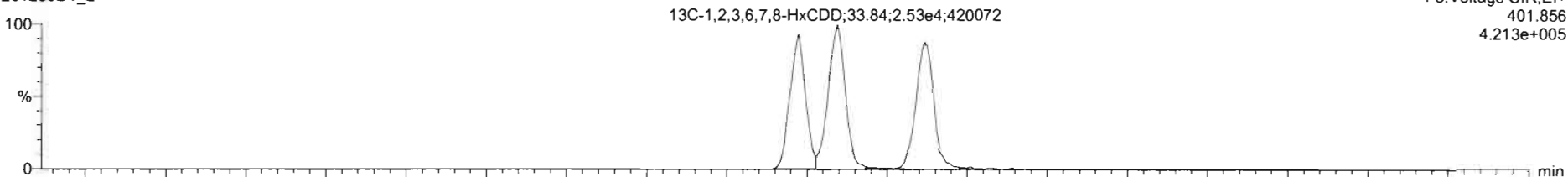


201230D1_2

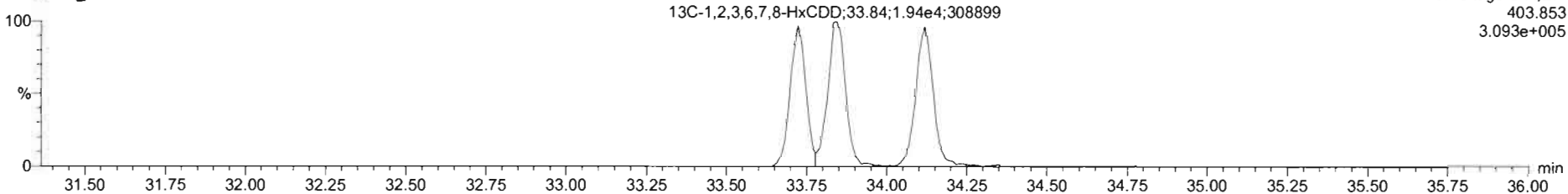


13C-1,2,3,4,7,8-HxCDD

201230D1_2



201230D1_2



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

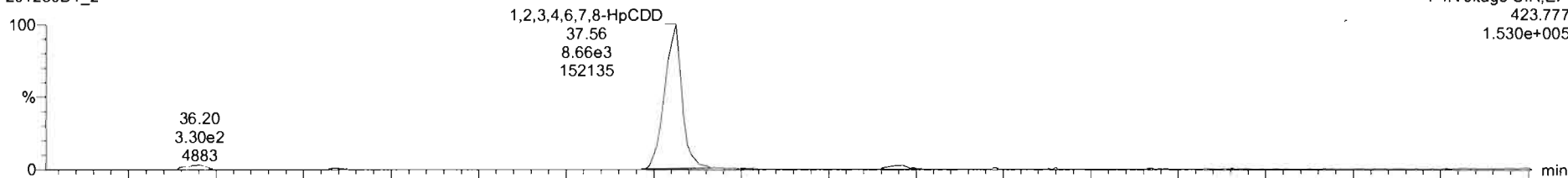
Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time

Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

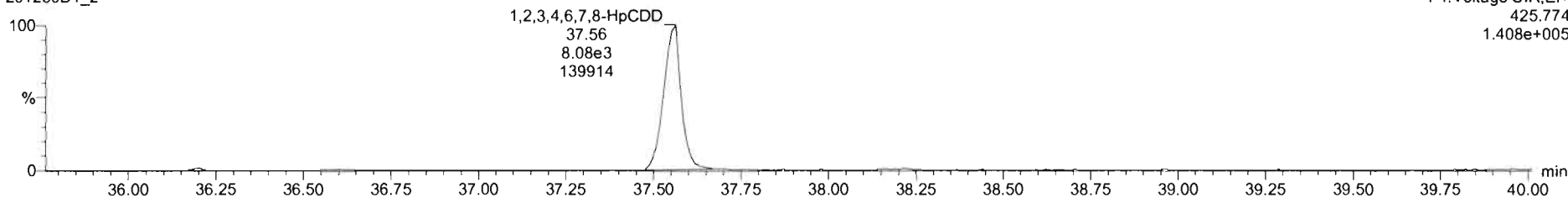
Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

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

201230D1_2

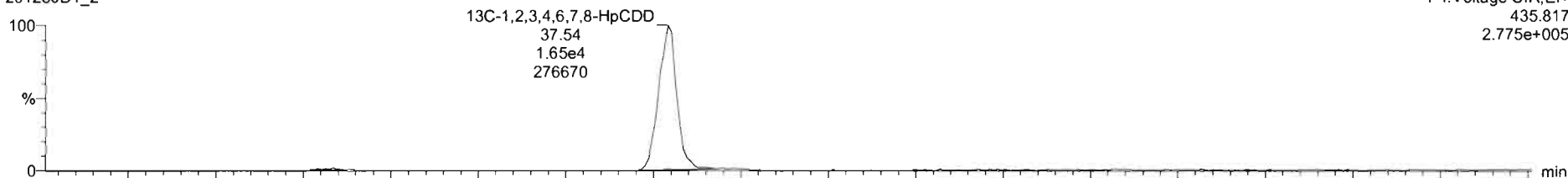


201230D1_2

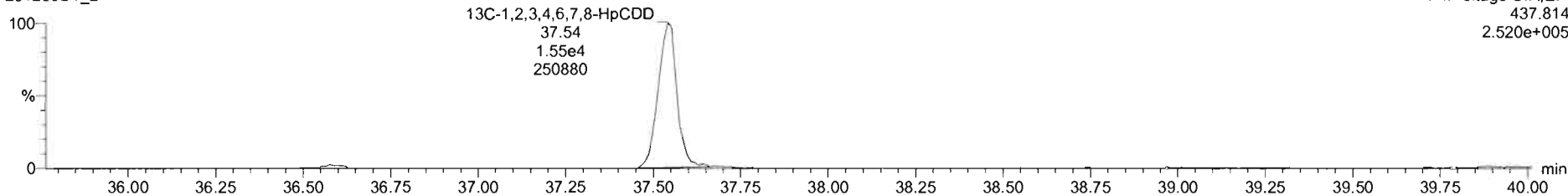


13C-1,2,3,4,6,7,8-HpCDD

201230D1_2



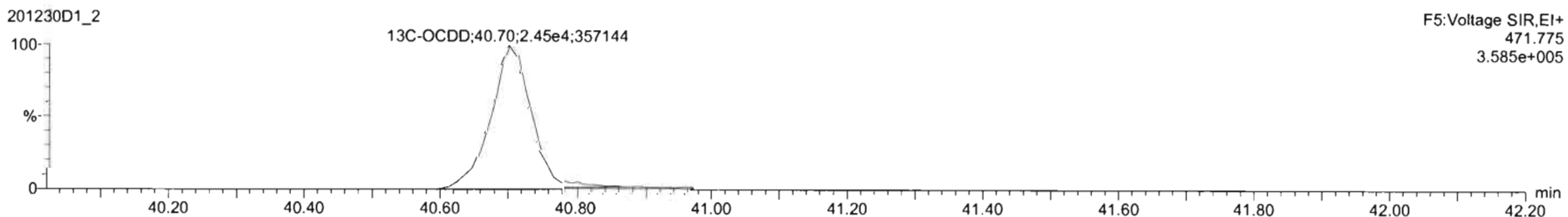
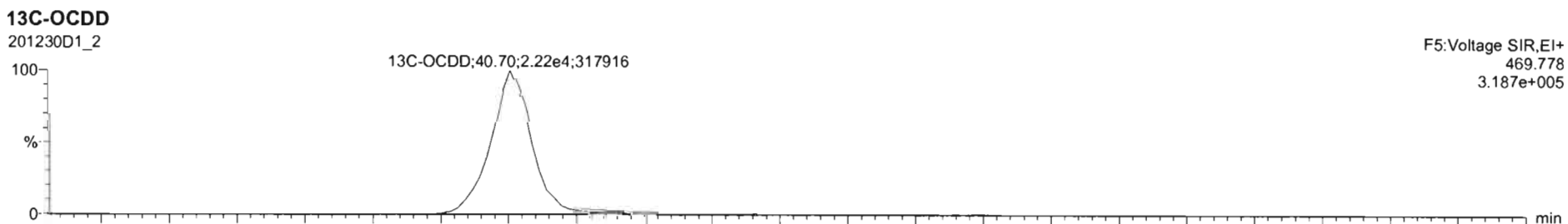
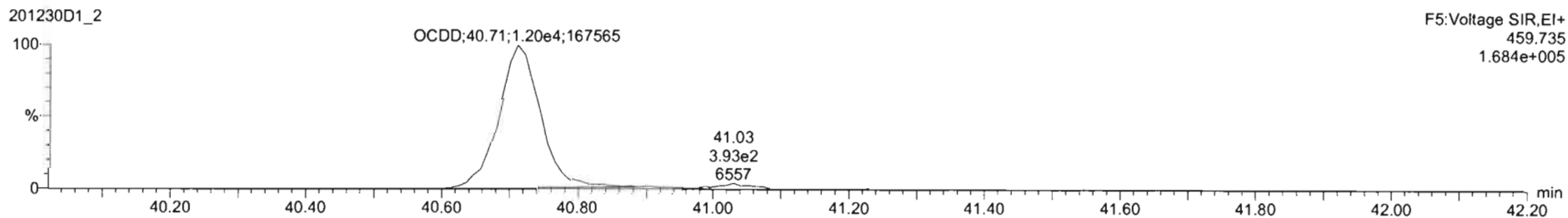
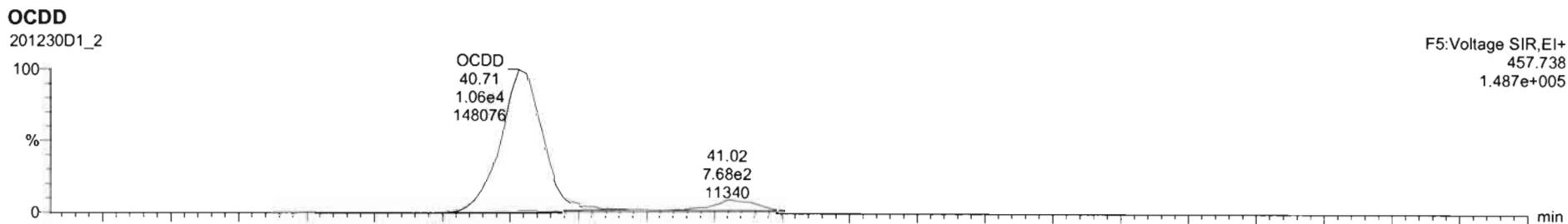
201230D1_2



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR



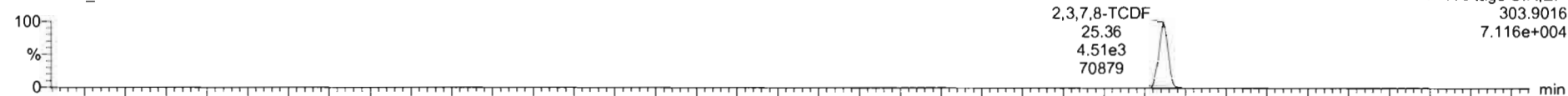
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

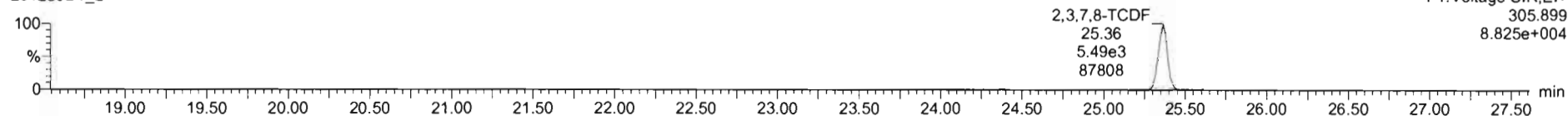
Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

2,3,7,8-TCDF

201230D1_2

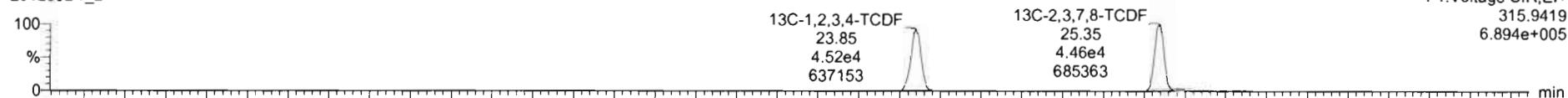


201230D1_2

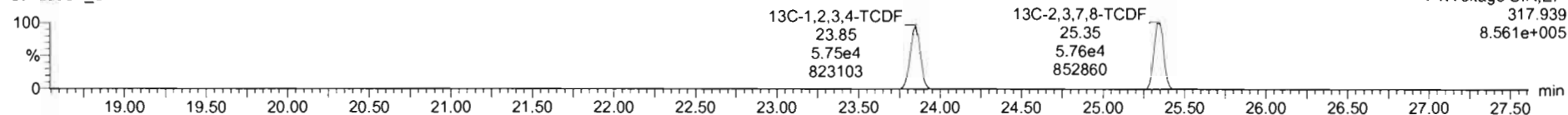


13C-2,3,7,8-TCDF

201230D1_2

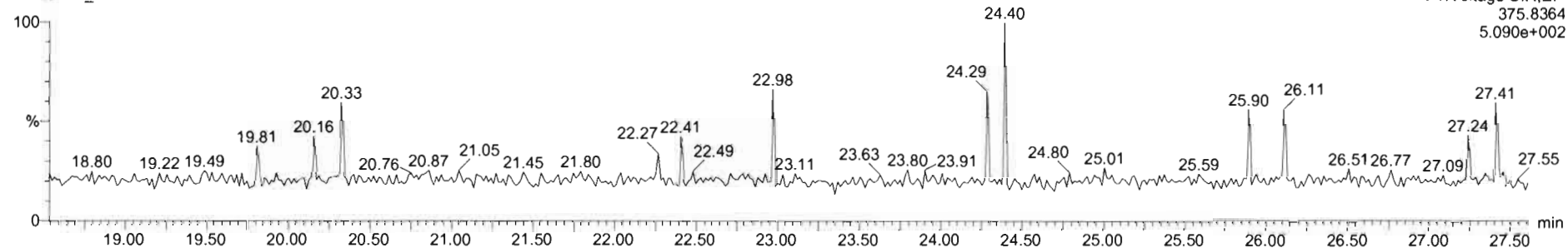


201230D1_2



DPE1

201230D1_2



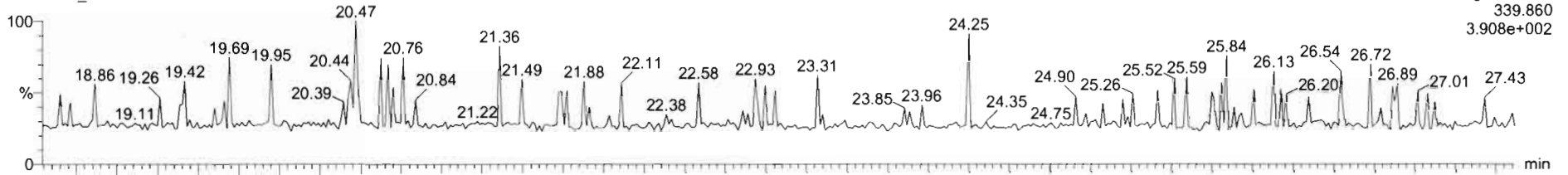
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

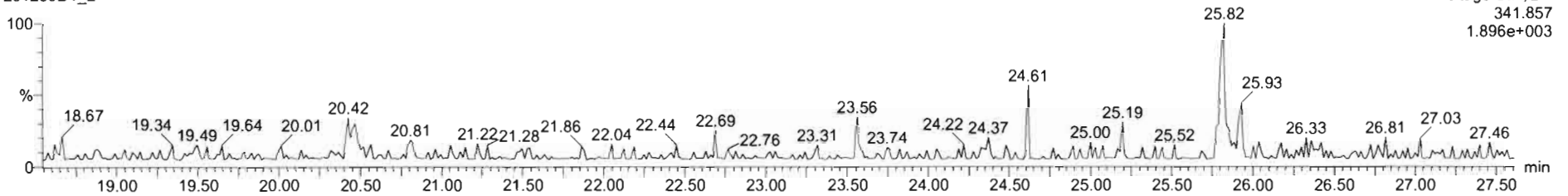
Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

1st Func. Penta-Furans

201230D1_2

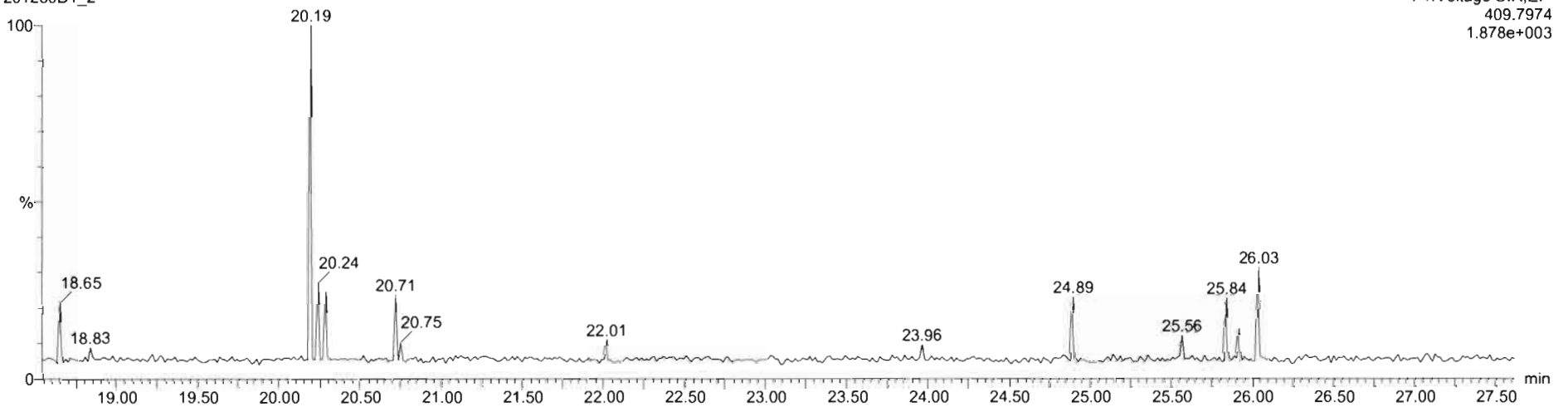


201230D1_2



DPE6

201230D1_2



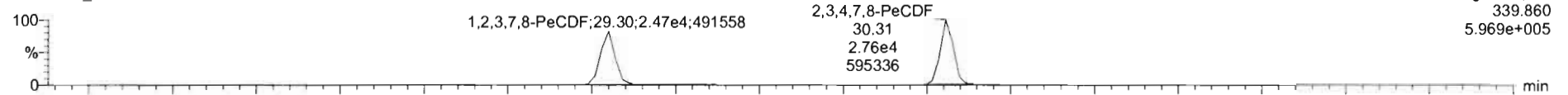
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

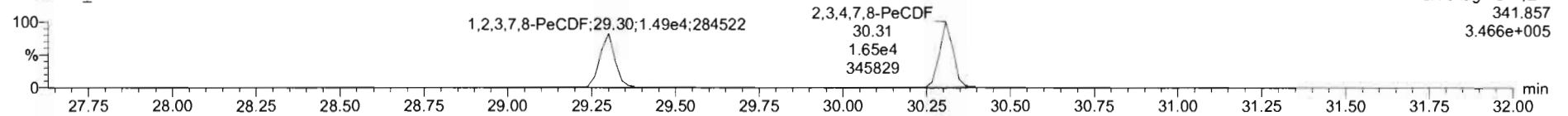
Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

1,2,3,7,8-PeCDF

201230D1_2

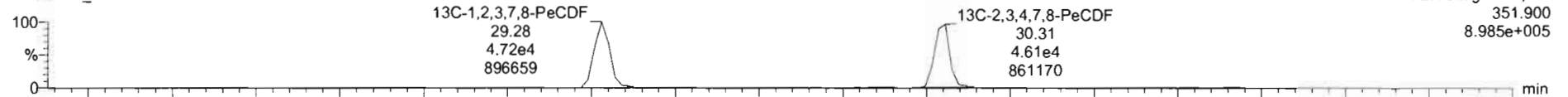


201230D1_2

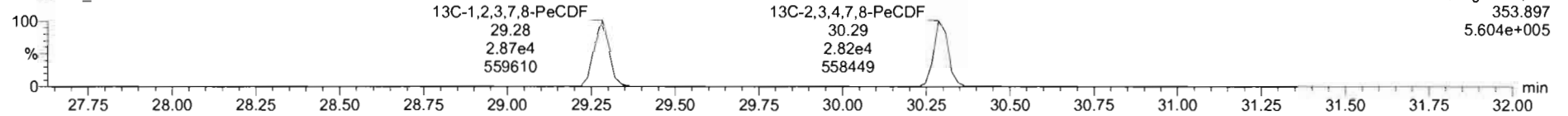


13C-1,2,3,7,8-PeCDF

201230D1_2

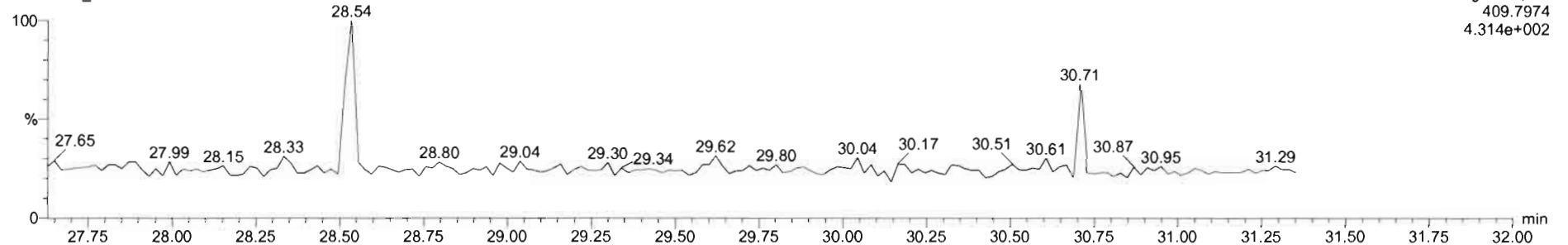


201230D1_2



DPE2

201230D1_2



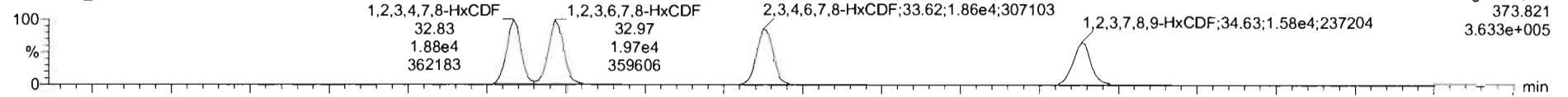
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

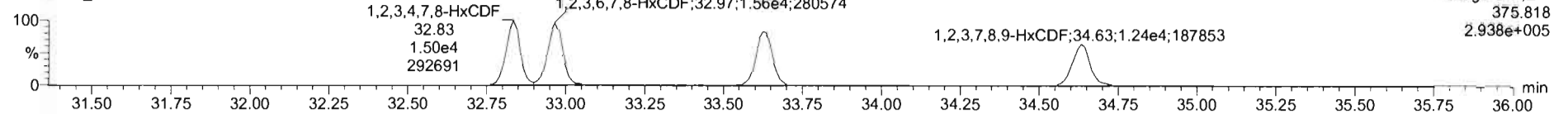
Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

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

201230D1_2

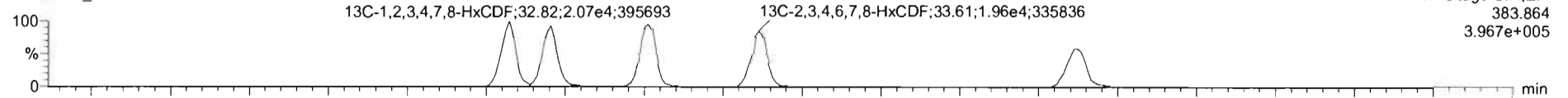


201230D1_2

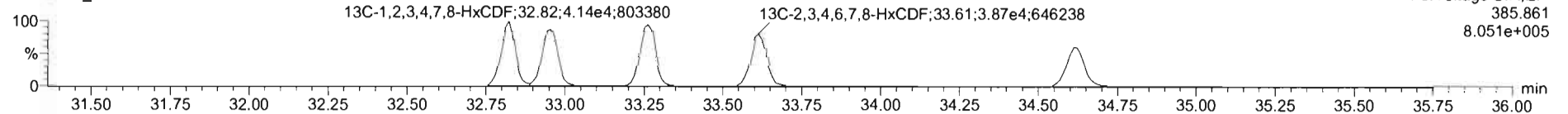


13C-1,2,3,4,7,8-HxCDF

201230D1_2

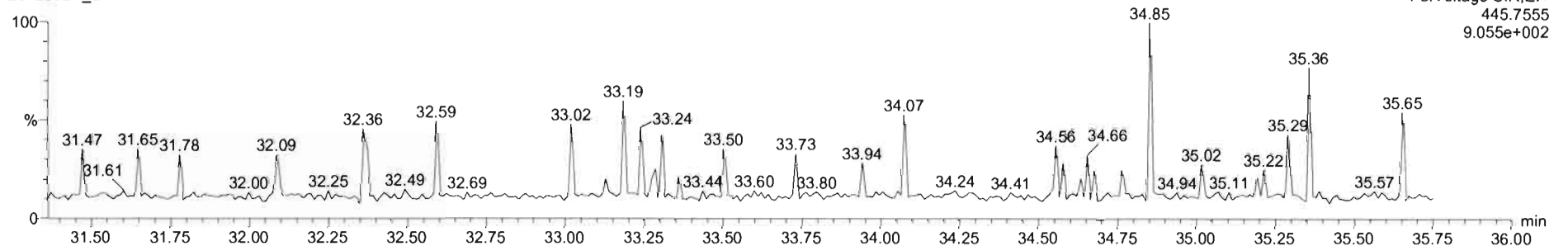


201230D1_2



DPE3

201230D1_2

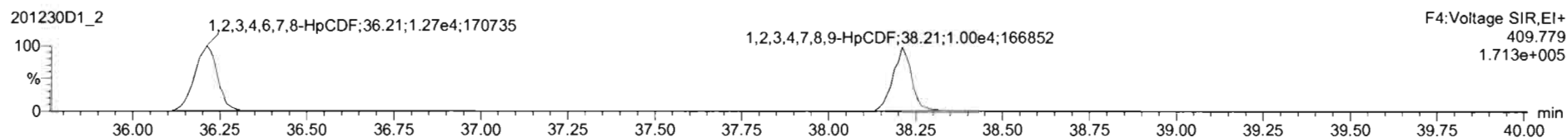
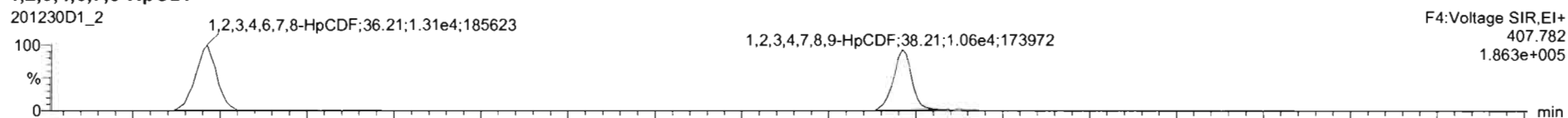


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

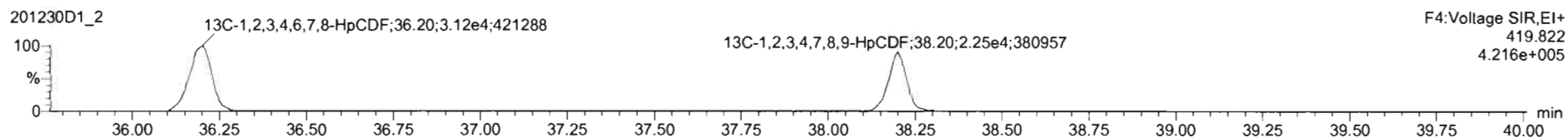
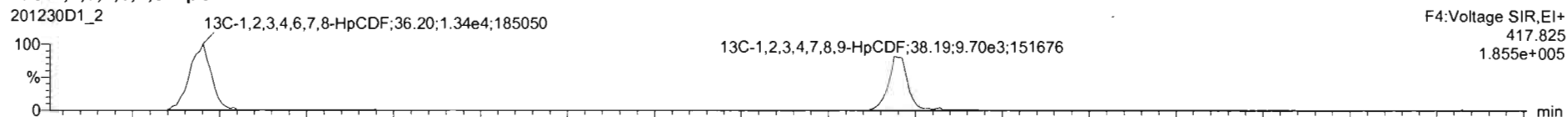
Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

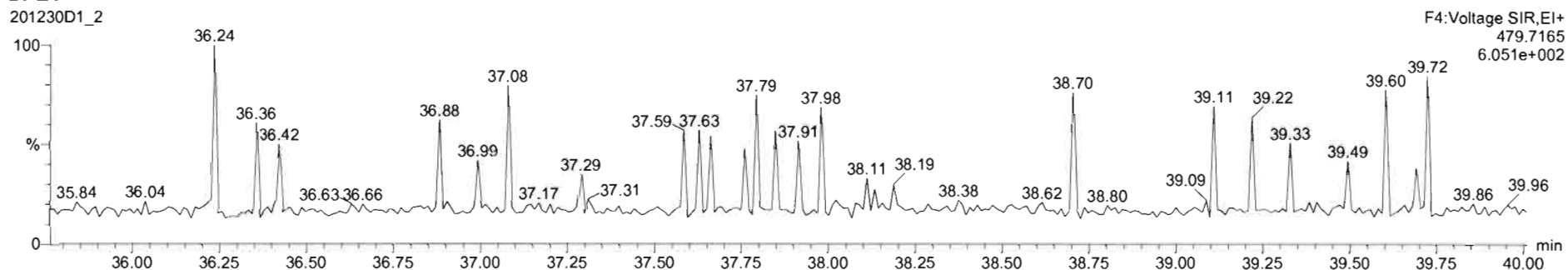
1,2,3,4,6,7,8-HpCDF



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



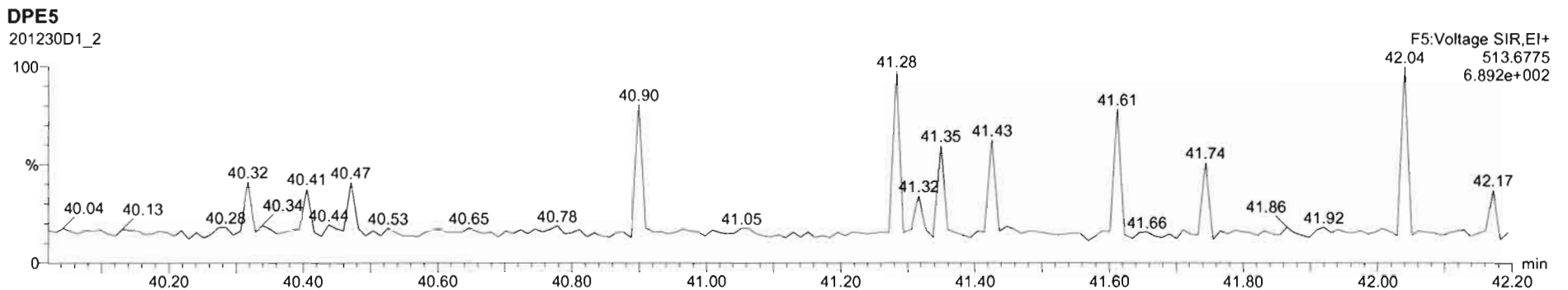
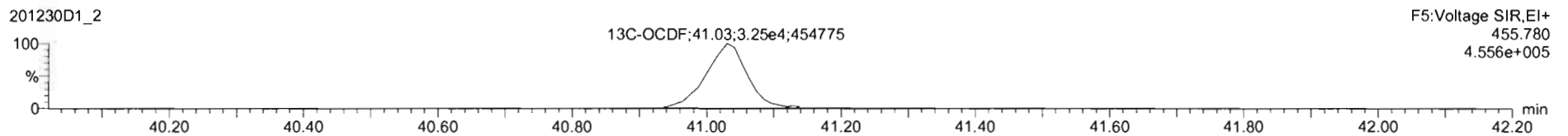
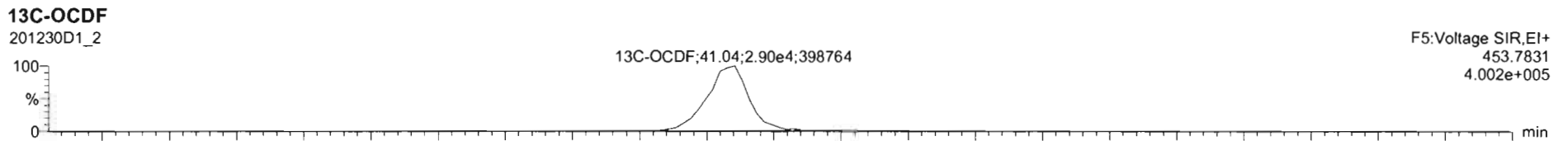
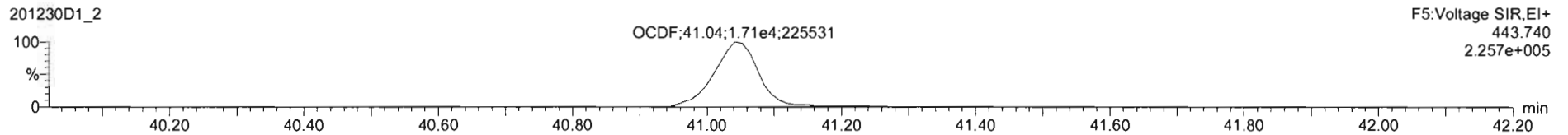
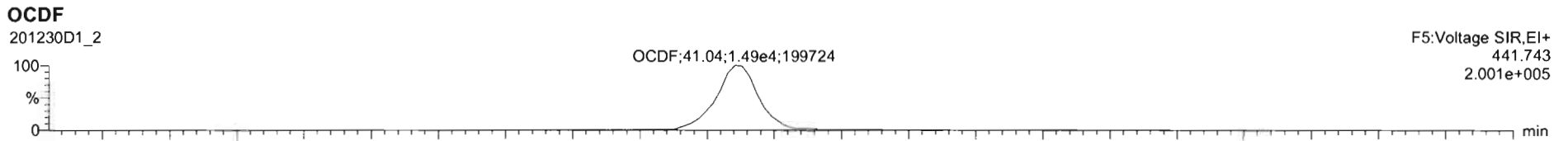
DPE4



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

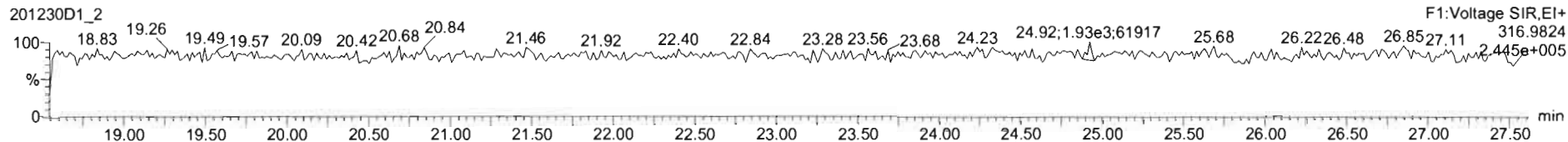


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_2.qld

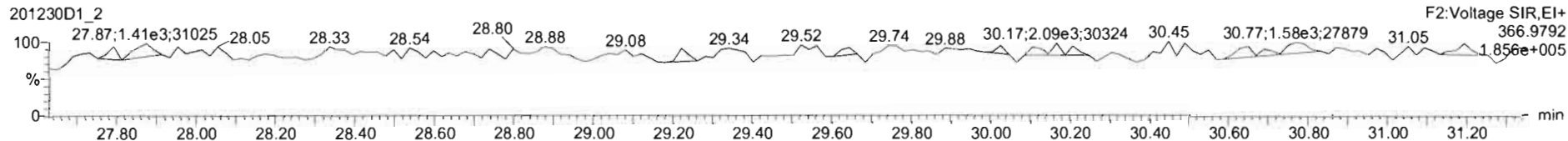
Last Altered: Wednesday, December 30, 2020 12:51:43 Pacific Standard Time
Printed: Wednesday, December 30, 2020 12:52:10 Pacific Standard Time

Name: 201230D1_2, Date: 30-Dec-2020, Time: 11:57:31, ID: B0L0154-BS1 OPR 10, Description: OPR

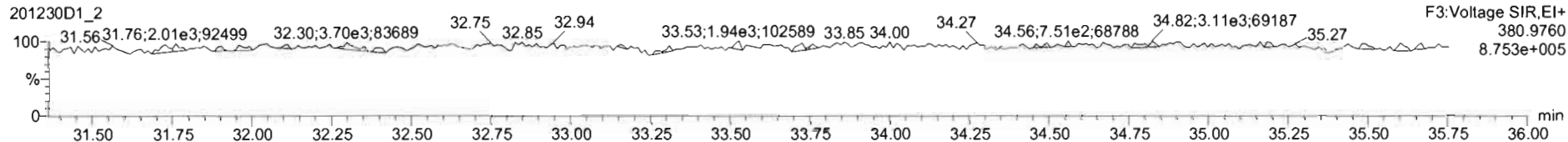
PFK1



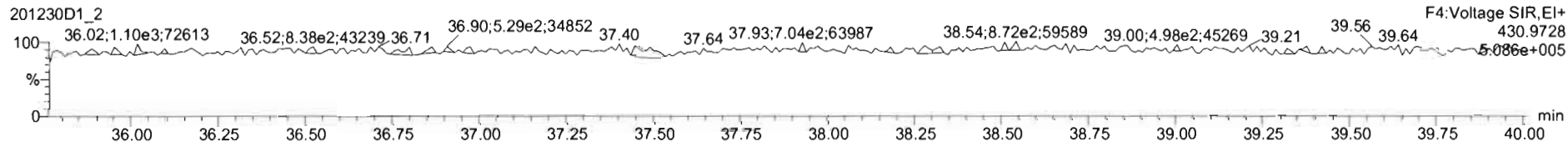
PFK2



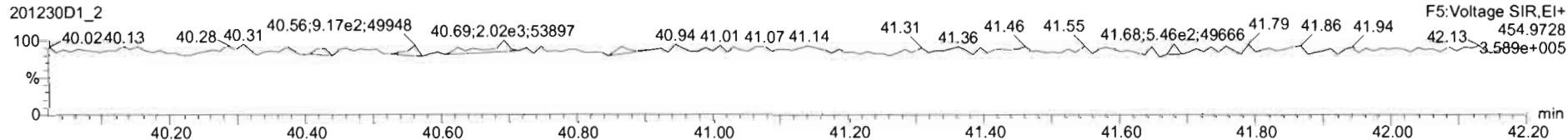
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\201212R1\201212R1-8.qld

Last Altered: Monday, December 14, 2020 2:55:26 PM Pacific Standard Time
Printed: Monday, December 14, 2020 2:55:56 PM Pacific Standard Time

GRB 12/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

7/11/12/20/20

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DU	EMPC
1	2,3,7,8-TCDD	2.54e3	0.49	YES	0.980	10.052	26.396	26.41	1.001	1.002	0.24963		0.0249	0.189
2	1,2,3,7,8-PeCDD	2.72e3	0.68	NO	0.932	10.052	31.079	31.08	1.001	1.001	0.33475		0.0471	0.335
3	1,2,3,4,7,8-HxCDD	2.53e3	1.25	NO	1.02	10.052	34.379	34.38	1.001	1.001	0.35687		0.0944	0.357
4	1,2,3,6,7,8-HxCDD	1.82e4	1.30	NO	0.902	10.052	34.494	34.48	1.001	1.000	2.6057		0.0970	2.61
5	1,2,3,7,8,9-HxCDD	6.98e3	1.24	NO	0.954	10.052	34.755	34.76	1.000	1.000	0.94454		0.0965	0.945
6	1,2,3,4,6,7,8-HpCDD	3.75e5	1.04	NO	0.918	10.052	38.211	38.22	1.000	1.001	63.150		0.439	63.1
7	OCDD	3.69e6	0.88	NO	0.866	10.052	41.113	41.12	1.000	1.000	879.14		0.483	879
8	2,3,7,8-TCDF	1.28e5	0.74	NO	0.848	10.052	25.687	25.70	1.000	1.001	10.877		0.0431	10.9
9	1,2,3,7,8-PeCDF	1.71e5	1.57	NO	0.960	10.052	29.800	29.81	1.000	1.000	13.892		0.0605	13.9
10	2,3,4,7,8-PeCDF	1.05e5	1.50	NO	1.07	10.052	30.889	30.88	1.001	1.000	8.2225		0.0567	8.22
11	1,2,3,4,7,8-HxCDF	1.77e5	1.24	NO	0.986	10.052	33.457	33.46	1.000	1.000	19.934		0.0568	19.9
12	1,2,3,6,7,8-HxCDF	4.62e4	1.17	NO	1.04	10.052	33.603	33.59	1.001	1.000	4.8902		0.0556	4.89
13	2,3,4,6,7,8-HxCDF	1.45e4	1.20	NO	1.02	10.052	34.264	34.26	1.001	1.001	1.6148		0.0617	1.61
14	1,2,3,7,8,9-HxCDF	5.44e3	1.11	NO	0.991	10.052	35.248	35.27	1.000	1.001	0.69025		0.0789	0.690
15	1,2,3,4,6,7,8-HpCDF	1.10e5	1.03	NO	1.05	10.052	36.824	36.82	1.000	1.000	16.616		0.123	16.6
16	1,2,3,4,7,8,9-HpCDF	2.32e4	1.00	NO	1.18	10.052	38.839	38.84	1.000	1.000	3.8818		0.106	3.88
17	OCDF	1.55e5	0.86	NO	0.896	10.052	41.396	41.41	1.000	1.001	33.073		0.133	33.1
18	13C-2,3,7,8-TCDD	2.07e6	0.78	NO	1.06	10.052	26.368	26.36	1.030	1.030	184.38	92.7	0.0592	
19	13C-1,2,3,7,8-PeCDD	1.74e6	0.63	NO	0.785	10.052	31.211	31.05	1.219	1.213	207.62	104	0.154	
20	13C-1,2,3,4,7,8-HxCDD	1.38e6	1.28	NO	0.621	10.052	34.348	34.36	1.014	1.014	217.22	109	0.253	
21	13C-1,2,3,6,7,8-HxCDD	1.54e6	1.28	NO	0.734	10.052	34.470	34.47	1.017	1.017	205.18	103	0.214	
22	13C-1,2,3,7,8,9-HxCDD	1.54e6	1.26	NO	0.723	10.052	34.755	34.74	1.026	1.025	208.32	105	0.218	
23	13C-1,2,3,4,6,7,8-HpCDD	1.29e6	1.05	NO	0.568	10.052	38.255	38.20	1.129	1.127	221.10	111	0.450	
24	13C-OCDD	1.93e6	0.90	NO	0.496	10.052	41.193	41.10	1.216	1.213	379.90	95.5	0.408	
25	13C-2,3,7,8-TCDF	2.77e6	0.78	NO	0.919	10.052	25.667	25.68	1.003	1.003	178.94	89.9	0.0940	
26	13C-1,2,3,7,8-PeCDF	2.55e6	1.57	NO	0.715	10.052	29.921	29.80	1.169	1.164	212.26	107	0.200	
27	13C-2,3,4,7,8-PeCDF	2.38e6	1.59	NO	0.689	10.052	31.008	30.87	1.212	1.206	205.84	103	0.207	
28	13C-1,2,3,4,7,8-HxCDF	1.79e6	0.51	NO	0.873	10.052	33.453	33.45	0.987	0.987	200.01	101	0.237	
29	13C-1,2,3,6,7,8-HxCDF	1.81e6	0.51	NO	0.933	10.052	33.582	33.58	0.991	0.991	189.38	95.2	0.222	
30	13C-2,3,4,6,7,8-HxCDF	1.75e6	0.51	NO	0.843	10.052	34.250	34.24	1.011	1.011	202.26	102	0.246	
31	13C-1,2,3,7,8,9-HxCDF	1.58e6	0.51	NO	0.780	10.052	35.249	35.24	1.040	1.040	198.20	99.6	0.266	

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-8.qld

Last Altered: Monday, December 14, 2020 2:55:26 PM Pacific Standard Time

Printed: Monday, December 14, 2020 2:55:56 PM Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DU	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.26e6	0.43	NO	0.726	10.052	36.825	36.81	1.087	1.086	168.76	84.8	0.374	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.01e6	0.43	NO	0.491	10.052	38.835	38.83	1.146	1.146	200.61	101	0.553	
34	34 13C-OCDF	2.08e6	0.88	NO	0.565	10.052	41.410	41.39	1.222	1.221	359.38	90.3	0.342	
35	35 37Cl-2,3,7,8-TCDD	9.68e5			1.22	10.052	26.363	26.39	1.030	1.031	74.698	93.9	0.0265	
36	36 13C-1,2,3,4-TCDD	2.12e6	0.79	NO	1.00	10.052	25.640	25.59	1.000	1.000	198.96	100	0.0625	
37	37 13C-1,2,3,4-TCDF	3.35e6	0.79	NO	1.00	10.052	24.130	24.10	1.000	1.000	198.96	100	0.0864	
38	38 13C-1,2,3,4,6,9-HxCDF	2.04e6	0.51	NO	1.00	10.052	33.920	33.89	1.000	1.000	198.96	100	0.207	
39	39 Total Tetra-Dioxins				0.980	10.052	24.620		0.000		1.7462		0.0249	2.05
40	40 Total Penta-Dioxins				0.932	10.052	29.960		0.000		2.3845		0.0471	3.50
41	41 Total Hexa-Dioxins				0.902	10.052	33.635		0.000		23.921		0.102	23.9
42	42 Total Hepta-Dioxins				0.918	10.052	37.640		0.000		145.56		0.439	146
43	43 Total Tetra-Furans				0.848	10.052	23.610		0.000		33.008		0.0431	33.3
44	44 1st Func. Penta-Furans				0.960	10.052	26.930		0.000		5.0255		0.0160	5.03
45	45 Total Penta-Furans				0.960	10.052	29.275		0.000		38.113		0.0618	38.1
46	46 Total Hexa-Furans				1.02	10.052	33.555		0.000		44.013		0.0620	44.0
47	47 Total Hepta-Furans				1.05	10.052	37.835		0.000		41.155		0.121	41.2

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-8.qld

Last Altered: Monday, December 14, 2020 2:55:26 PM Pacific Standard Time
 Printed: Monday, December 14, 2020 2:55:56 PM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
 Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.59	2.544e4	3.924e4	2.394e3	3.504e3	0.68	NO	5.899e3	0.57740	0.57740	0.0249
Total Tetra-Dioxins	22.93	1.031e4	1.268e4	8.050e2	1.070e3	0.75	NO	1.875e3	0.18352	0.18352	0.0249
Total Tetra-Dioxins	23.45	8.709e3	1.150e4	6.951e2	9.104e2	0.76	NO	1.606e3	0.15716	0.15716	0.0249
Total Tetra-Dioxins	24.31	1.259e4	1.211e4	7.667e2	9.117e2	0.84	NO	1.678e3	0.16429	0.16429	0.0249
Total Tetra-Dioxins	24.53	4.885e3	5.424e3	4.113e2	5.091e2	0.81	NO	9.204e2	0.090093	0.090093	0.0249
Total Tetra-Dioxins	24.75	8.409e3	1.050e4	5.205e2	7.423e2	0.70	NO	1.263e3	0.12362	0.12362	0.0249
Total Tetra-Dioxins	24.96	2.596e3	3.914e3	1.729e2	2.338e2	0.74	NO	4.067e2	0.039811	0.039811	0.0249
Total Tetra-Dioxins	25.27	3.924e3	5.607e3	3.343e2	4.663e2	0.72	NO	8.006e2	0.078366	0.078366	0.0249
Total Tetra-Dioxins	25.33	3.354e3	5.565e3	2.021e2	7.480e2	0.27	YES	0.000e0	0.00000	0.045468	0.0249
Total Tetra-Dioxins	25.70	7.433e3	7.191e3	5.421e2	4.133e2	1.31	YES	0.000e0	0.00000	0.071610	0.0249
Total Tetra-Dioxins	26.13	1.136e4	1.713e4	9.005e2	1.161e3	0.78	NO	2.061e3	0.20178	0.20178	0.0249
2,3,7,8-TCDD	26.41	1.272e4	2.835e4	8.402e2	1.702e3	0.49	YES	2.542e3	0.00000	0.18906	0.0249
Total Tetra-Dioxins	26.70	5.261e3	7.456e3	3.184e2	4.137e2	0.77	NO	7.321e2	0.071660	0.071660	0.0249
Total Tetra-Dioxins	27.28	4.745e3	5.368e3	2.579e2	3.401e2	0.76	NO	5.979e2	0.058530	0.058530	0.0249

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	28.80	4.153e4	7.274e4	2.927e3	4.989e3	0.59	NO	7.916e3	0.97383	0.97383	0.0471
Total Penta-Dioxins	29.28	2.454e4	2.824e4	1.137e3	1.596e3	0.71	NO	2.732e3	0.33611	0.33611	0.0471
Total Penta-Dioxins	29.81	4.254e4	5.215e4	2.362e3	2.890e3	0.82	YES	0.000e0	0.00000	0.57957	0.0471
Total Penta-Dioxins	29.99	2.339e4	3.946e4	1.107e3	1.765e3	0.63	NO	0.000e0	0.00000	0.35329	0.0471
Total Penta-Dioxins	30.04	1.515e4	2.173e4	6.123e2	8.567e2	0.71	NO	0.000e0	0.00000	0.18072	0.0471
Total Penta-Dioxins	30.26	2.083e4	3.616e4	1.621e3	2.461e3	0.66	NO	4.082e3	0.50212	0.50212	0.0471
Total Penta-Dioxins	30.61	4.607e3	4.448e3	1.981e2	2.833e2	0.70	NO	4.814e2	0.059222	0.059222	0.0471
1,2,3,7,8-PeCDD	31.08	2.208e4	3.118e4	1.103e3	1.618e3	0.68	NO	2.721e3	0.33475	0.33475	0.0471
Total Penta-Dioxins	31.15	5.302e3	9.986e3	2.527e2	3.636e2	0.70	NO	6.163e2	0.075821	0.075821	0.0471
Total Penta-Dioxins	31.42	8.585e3	1.019e4	3.479e2	4.861e2	0.72	NO	8.340e2	0.10260	0.10260	0.0471

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-8.qld

Last Altered: Monday, December 14, 2020 2:55:26 PM Pacific Standard Time

Printed: Monday, December 14, 2020 2:55:56 PM Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.72	6.813e5	5.647e5	3.484e4	2.783e4	1.25	NO	6.267e4	9.2825	9.2825	0.102
2	Total Hexa-Dioxins	33.32	5.712e4	4.594e4	3.201e3	2.527e3	1.27	NO	5.728e3	0.84834	0.84834	0.102
3	Total Hexa-Dioxins	33.61	5.094e5	3.995e5	3.470e4	2.791e4	1.24	NO	6.260e4	9.2727	9.2727	0.102
4	Total Hexa-Dioxins	33.70	3.213e4	2.432e4	1.318e3	1.189e3	1.11	NO	2.507e3	0.37127	0.37127	0.102
5	1,2,3,4,7,8-HxCDD	34.38	2.264e4	1.886e4	1.402e3	1.125e3	1.25	NO	2.527e3	0.35687	0.35687	0.0944
6	1,2,3,6,7,8-HxCDD	34.48	1.706e5	1.279e5	1.032e4	7.917e3	1.30	NO	1.823e4	2.6057	2.6057	0.0970
7	Total Hexa-Dioxins	34.65	1.342e4	1.205e4	8.393e2	7.764e2	1.08	NO	1.616e3	0.23931	0.23931	0.102
8	1,2,3,7,8,9-HxCDD	34.76	5.936e4	4.749e4	3.862e3	3.122e3	1.24	NO	6.985e3	0.94454	0.94454	0.0965

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.21	3.127e6	3.080e6	2.471e5	2.418e5	1.02	NO	4.889e5	82.412	82.412	0.439
2	1,2,3,4,6,7,8-HpCDD	38.22	3.059e6	2.961e6	1.908e5	1.838e5	1.04	NO	3.746e5	63.150	63.150	0.439

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-8.qld

Last Altered: Monday, December 14, 2020 2:55:26 PM Pacific Standard Time

Printed: Monday, December 14, 2020 2:55:56 PM Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	In/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	20.33	7.059e3	1.048e4	6.853e2	9.189e2	0.75	NO	1.604e3	0.13612	0.13612	0.0431
Total Tetra-Furans	20.88	1.901e4	2.506e4	1.610e3	2.172e3	0.74	NO	3.782e3	0.32090	0.32090	0.0431
Total Tetra-Furans	21.68	6.904e4	9.424e4	6.300e3	8.983e3	0.70	NO	1.528e4	1.2967	1.2967	0.0431
Total Tetra-Furans	22.06	8.783e3	1.152e4	8.099e2	9.796e2	0.83	NO	1.790e3	0.15185	0.15185	0.0431
Total Tetra-Furans	22.19	1.954e4	2.880e4	2.177e3	2.574e3	0.85	NO	4.751e3	0.40310	0.40310	0.0431
Total Tetra-Furans	22.28	1.043e4	1.329e4	7.303e2	1.103e3	0.66	NO	1.834e3	0.15559	0.15559	0.0431
Total Tetra-Furans	22.52	7.433e3	1.202e4	4.464e2	5.670e2	0.79	NO	1.013e3	0.085992	0.085992	0.0431
Total Tetra-Furans	22.62	1.425e5	1.837e5	1.324e4	1.734e4	0.76	NO	3.059e4	2.5953	2.5953	0.0431
Total Tetra-Furans	23.10	7.622e4	9.649e4	6.168e3	8.136e3	0.76	NO	1.430e4	1.2137	1.2137	0.0431
Total Tetra-Furans	23.23	1.665e4	1.839e4	1.390e3	1.664e3	0.84	NO	3.055e3	0.25919	0.25919	0.0431
Total Tetra-Furans	23.45	3.319e4	4.164e4	2.703e3	3.465e3	0.78	NO	6.168e3	0.52339	0.52339	0.0431
Total Tetra-Furans	23.84	7.421e3	1.075e4	5.655e2	7.139e2	0.79	NO	1.279e3	0.10856	0.10856	0.0431
Total Tetra-Furans	23.97	1.049e4	1.335e4	8.386e2	1.043e3	0.80	NO	1.881e3	0.15961	0.15961	0.0431
Total Tetra-Furans	24.22	7.242e4	8.738e4	9.325e3	1.186e4	0.79	NO	2.119e4	1.7977	1.7977	0.0431
Total Tetra-Furans	24.68	6.995e5	9.741e5	4.900e4	6.662e4	0.74	NO	1.156e5	9.8098	9.8098	0.0431
Total Tetra-Furans	25.00	2.122e4	3.112e4	1.584e3	2.322e3	0.68	NO	3.906e3	0.33143	0.33143	0.0431
Total Tetra-Furans	25.11	6.244e3	7.222e3	3.774e2	4.282e2	0.88	NO	8.056e2	0.068355	0.068355	0.0431
Total Tetra-Furans	25.23	5.531e3	4.894e3	3.016e2	3.603e2	0.84	NO	6.618e2	0.056157	0.056157	0.0431
Total Tetra-Furans	25.40	9.633e3	9.406e3	5.859e2	6.872e2	0.85	NO	1.273e3	0.10803	0.10803	0.0431
Total Tetra-Furans	25.58	7.853e4	1.028e5	5.155e3	6.825e3	0.76	NO	1.198e4	1.0165	1.0165	0.0431
2,3,7,8-TCDF	25.70	8.495e5	1.151e6	5.451e4	7.368e4	0.74	NO	1.282e5	10.877	10.877	0.0431
Total Tetra-Furans	25.96	1.317e4	1.976e4	1.014e3	1.412e3	0.72	NO	0.000e0	0.00000	0.20586	0.0431
Total Tetra-Furans	26.01	3.283e4	4.114e4	1.939e3	2.580e3	0.75	NO	4.519e3	0.38340	0.38340	0.0431
Total Tetra-Furans	26.28	7.195e3	1.168e4	5.184e2	6.677e2	0.78	NO	1.186e3	0.10064	0.10064	0.0431
Total Tetra-Furans	26.88	7.603e3	9.962e3	5.744e2	7.097e2	0.81	NO	1.284e3	0.10896	0.10896	0.0431
Total Tetra-Furans	27.04	8.557e3	1.201e4	5.015e2	6.744e2	0.74	NO	1.176e3	0.099781	0.099781	0.0431
Total Tetra-Furans	27.21	1.919e4	2.340e4	1.102e3	1.473e3	0.75	NO	2.575e3	0.21845	0.21845	0.0431
Total Tetra-Furans	27.43	1.335e4	8.527e3	8.463e2	4.934e2	1.72	YES	0.000e0	0.00000	0.074102	0.0431
Total Tetra-Furans	27.58	5.377e4	6.586e4	3.158e3	4.173e3	0.76	NO	7.332e3	0.62211	0.62211	0.0431

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-8.qld

Last Altered: Monday, December 14, 2020 2:55:26 PM Pacific Standard Time
 Printed: Monday, December 14, 2020 2:55:56 PM Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1st Func. Penta-Furans	27.19	6.617e5	3.973e5	3.774e4	2.207e4	1.71	NO	5.982e4	5.0255	5.0255	0.0160

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Furans	28.67	4.854e4	4.410e4	3.291e3	2.292e3	1.44	NO	5.584e3	0.46910	0.46910	0.0618
Total Penta-Furans	28.83	8.961e5	5.665e5	5.834e4	3.590e4	1.62	NO	9.424e4	7.9171	7.9171	0.0618
Total Penta-Furans	29.47	1.139e5	8.563e4	7.103e3	5.132e3	1.38	NO	1.224e4	1.0280	1.0280	0.0618
Total Penta-Furans	29.62	1.908e5	1.172e5	9.544e3	6.831e3	1.40	NO	1.637e4	1.3757	1.3757	0.0618
1,2,3,7,8-PeCDF	29.81	2.134e6	1.357e6	1.044e5	6.661e4	1.57	NO	1.710e5	13.892	13.892	0.0605
Total Penta-Furans	29.89	4.035e4	2.474e4	1.589e3	1.048e3	1.52	NO	2.637e3	0.22155	0.22155	0.0618
Total Penta-Furans	30.07	6.140e5	4.172e5	3.160e4	2.098e4	1.51	NO	5.258e4	4.4171	4.4171	0.0618
Total Penta-Furans	30.69	2.590e4	1.872e4	1.128e3	8.224e2	1.37	NO	1.950e3	0.16384	0.16384	0.0618
2,3,4,7,8-PeCDF	30.88	1.261e6	8.307e5	6.308e4	4.202e4	1.50	NO	1.051e5	8.2225	8.2225	0.0567
Total Penta-Furans	31.79	5.209e4	3.262e4	3.071e3	1.763e3	1.74	NO	4.834e3	0.40611	0.40611	0.0618

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Furans	32.20	1.626e5	1.338e5	8.169e3	6.722e3	1.22	NO	1.489e4	1.6763	1.6763	0.0620
Total Hexa-Furans	32.37	6.644e5	5.489e5	3.245e4	2.658e4	1.22	NO	5.902e4	6.6446	6.6446	0.0620
Total Hexa-Furans	32.78	1.195e4	1.013e4	6.831e2	5.960e2	1.15	NO	1.279e3	0.14400	0.14400	0.0620
Total Hexa-Furans	32.99	6.408e5	5.118e5	3.307e4	2.639e4	1.25	NO	5.945e4	6.6927	6.6927	0.0620
Total Hexa-Furans	33.33	2.440e4	1.752e4	1.249e3	1.002e3	1.25	NO	2.251e3	0.25342	0.25342	0.0620
1,2,3,4,7,8-HxCDF	33.46	1.756e6	1.444e6	9.773e4	7.902e4	1.24	NO	1.767e5	19.934	19.934	0.0568
1,2,3,6,7,8-HxCDF	33.59	4.427e5	3.627e5	2.496e4	2.127e4	1.17	NO	4.623e4	4.8902	4.8902	0.0556
Total Hexa-Furans	33.91	1.271e4	8.759e3	6.238e2	4.741e2	1.32	NO	1.098e3	0.12359	0.12359	0.0620
2,3,4,6,7,8-HxCDF	34.26	1.286e5	9.714e4	7.893e3	6.568e3	1.20	NO	1.446e4	1.6148	1.6148	0.0617
1,2,3,7,8,9-HxCDF	35.27	1.114e5	8.760e4	2.869e3	2.574e3	1.11	NO	5.443e3	0.69025	0.69025	0.0789
Total Hexa-Furans	35.28	1.333e5	1.126e5	6.634e3	5.343e3	1.24	NO	1.198e4	1.3482	1.3482	0.0620

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-8.qld

Last Altered: Monday, December 14, 2020 2:55:26 PM Pacific Standard Time

Printed: Monday, December 14, 2020 2:55:56 PM Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	[n/y]	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.82	7.367e5	7.190e5	5.592e4	5.411e4	1.03	NO	1.100e5	16.616	16.616	0.123
2	Total Hepta-Furans	37.30	1.527e4	1.086e4	1.062e3	9.699e2	1.09	NO	2.032e3	0.34021	0.34021	0.121
3	Total Hepta-Furans	37.55	8.797e5	8.364e5	6.087e4	6.046e4	1.01	NO	1.213e5	20.317	20.317	0.121
4	1,2,3,4,7,8,9-HpCDF	38.84	1.941e5	1.951e5	1.158e4	1.157e4	1.00	NO	2.315e4	3.8818	3.8818	0.106

Dataset: Untitled

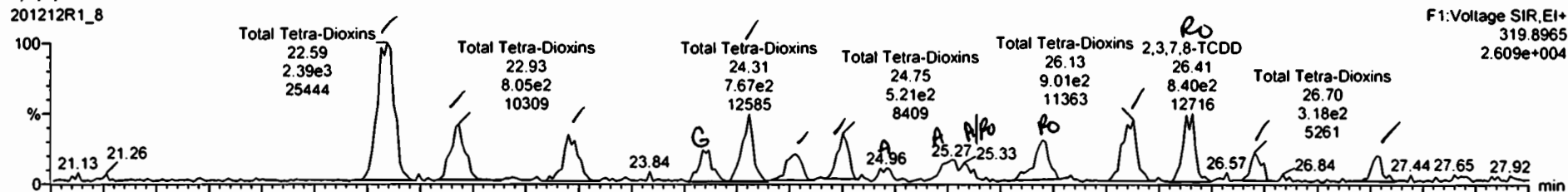
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

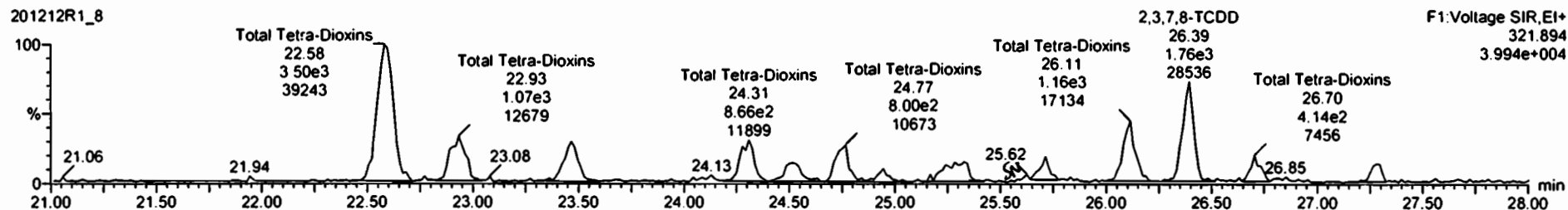
Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

2,3,7,8-TCDD

201212R1_8

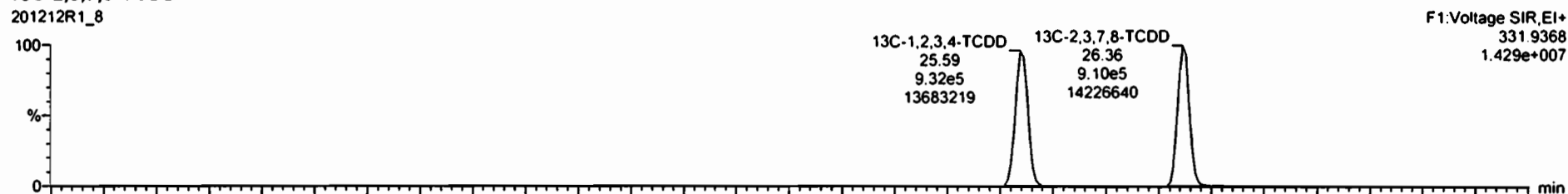


201212R1_8

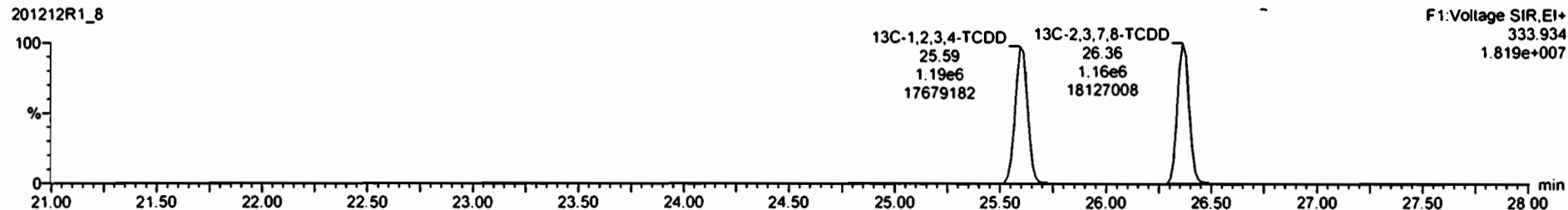


13C-2,3,7,8-TCDD

201212R1_8

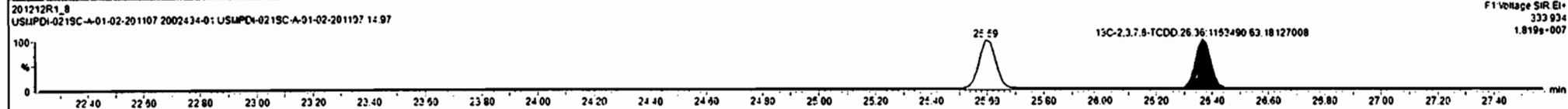
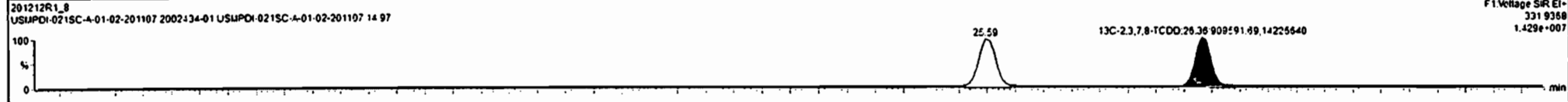
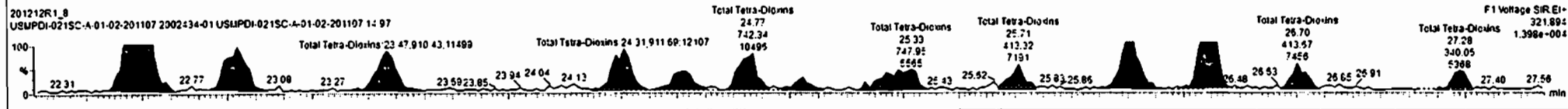
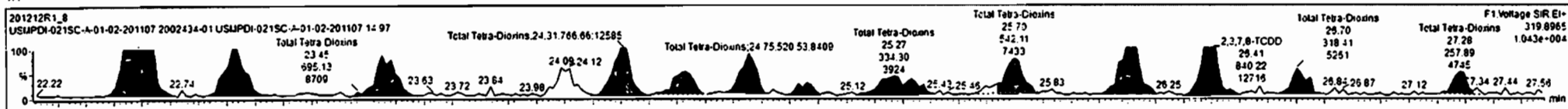


201212R1_8



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EVPC
39	Total Tetra-Dioxins			0.6605	10.052			1.75	0.0249	2.05	

Name	RT	wt Resp	m2 Resp	RA	n/y	EVPC	Conc.
1	Total Tetra-Dioxins	22.50	2.35e3	3.50e3	0.68	NO	0.57740
2	Total Tetra-Dioxins	22.82	8.05e2	1.67e2	0.75	NO	0.18352
3	Total Tetra-Dioxins	23.45	8.95e2	5.10e2	0.78	NO	0.15716
4	Total Tetra-Dioxins	24.31	7.66e2	9.117e2	0.84	NO	0.16429
5	Total Tetra-Dioxins	24.52	4.113e2	5.091e2	0.81	NO	0.090093
6	Total Tetra-Dioxins	24.75	5.205e2	7.422e2	0.70	NO	0.12362
7	Total Tetra-Dioxins	24.96	1.729e2	2.238e2	0.72	NO	0.029611
8	Total Tetra-Dioxins	25.27	3.315e2	4.862e2	0.72	NO	0.073664
9	Total Tetra-Dioxins	25.33	2.021e2	7.460e2	0.27	YES	0.845468
10	Total Tetra-Dioxins	25.70	5.421e2	4.132e2	1.31	YES	0.071610
11	Total Tetra-Dioxins	26.13	9.055e2	1.161e2	0.78	NO	0.20178
12	2,3,7,8-TCDD	26.41	8.402e2	1.702e3	0.49	YES	0.18906
13	Total Tetra-Dioxins	26.70	3.184e2	4.127e2	0.72	NO	0.071880
14	Total Tetra-Dioxins	27.28	2.579e2	3.401e2	0.78	NO	0.058530



Dataset: Untitled

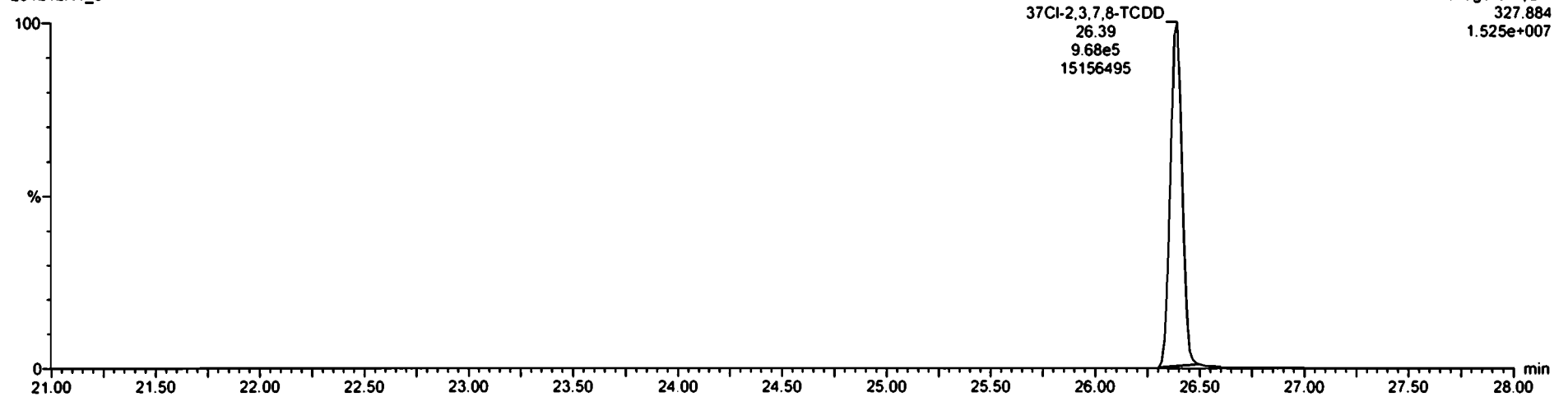
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

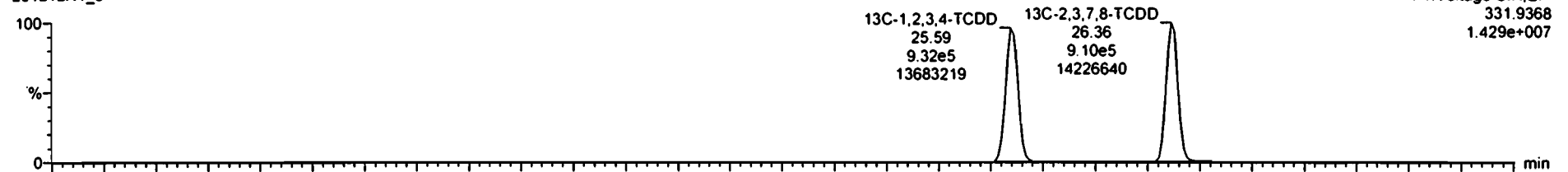
37Cl-2,3,7,8-TCDD

201212R1_8

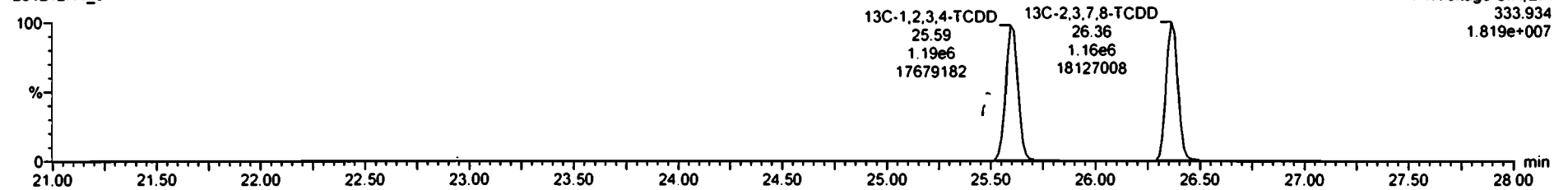


13C-1,2,3,4-TCDD

201212R1_8



201212R1_8

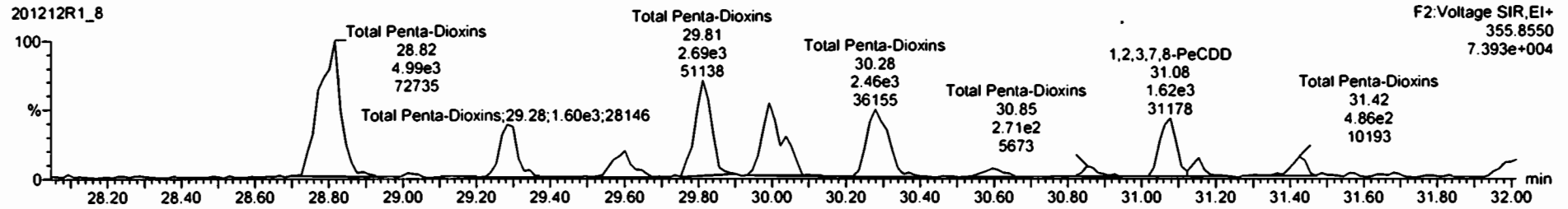
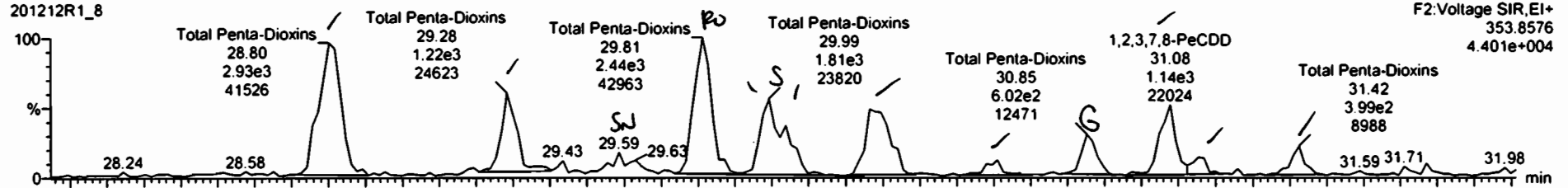


Dataset: Untitled

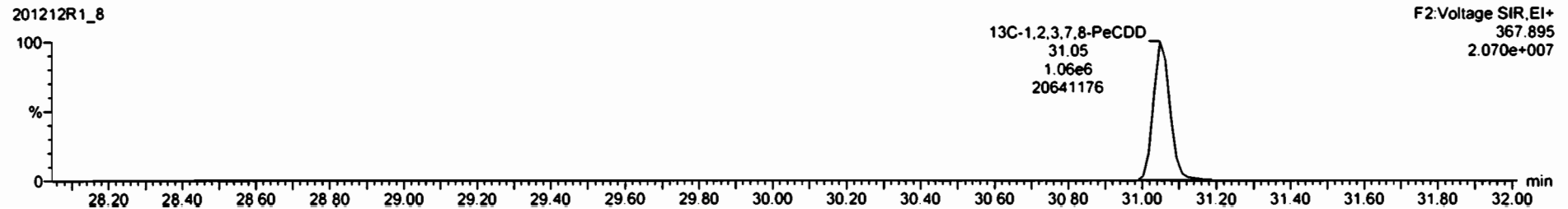
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

1,2,3,7,8-PeCDD

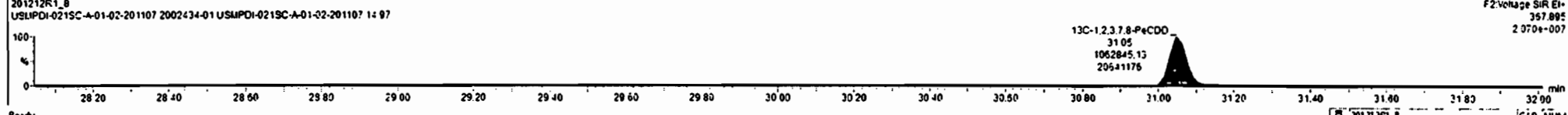
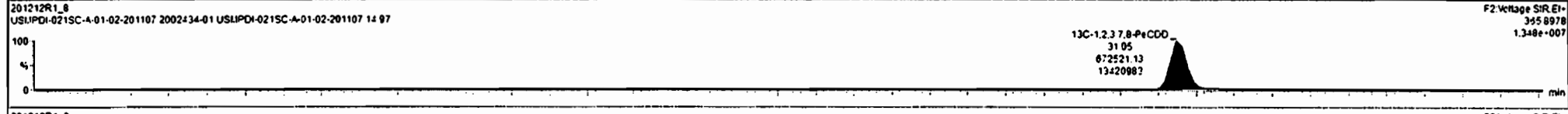
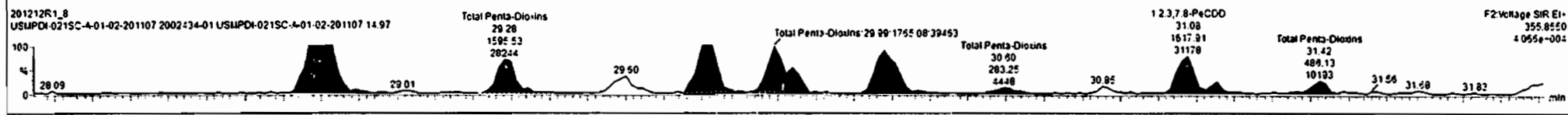
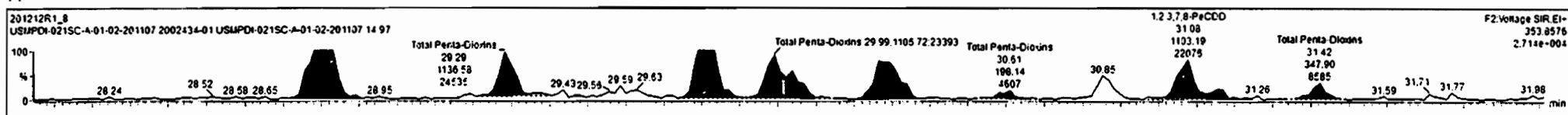


13C-1,2,3,7,8-PeCDD



Sample	Name	Resp	RA	ny	RUF	wVvol	RT	RRT	Conc	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.5805	10.052			1.75		0.0248	2.05

Name	RT (y)	int Resp	m2 Resp	RA	ny	EMPC	Conc.
1 Total Penta-Dioxins	28.80	2.927e3	4.989e3	0.59	NO	0.97383	0.97383
2 Total Penta-Dioxins	28.28	1.137e3	1.596e3	0.71	NO	0.37611	0.37611
3 Total Penta-Dioxins	28.81	2.382e3	2.890e3	0.82	YES	0.57957	0.00200
4 Total Penta-Dioxins	29.99	1.107e3	1.765e3	0.62	NO	0.35229	0.00200
5 Total Penta-Dioxins	30.04	8.123e2	8.567e2	0.71	NO	0.18972	0.00200
6 Total Penta-Dioxins	30.28	1.821e3	2.461e3	0.66	NO	0.52212	0.52212
7 Total Penta-Dioxins	30.61	1.881e3	2.832e3	0.70	NO	0.65922	0.65922
8 1,2,3,7,8-PeCDD	31.08	1.103e3	1.818e3	0.66	NO	0.33475	0.33475
9 Total Penta-Dioxins	31.15	2.527e2	3.838e2	0.70	NO	0.075821	0.075821
10 Total Penta-Dioxins	31.42	3.478e2	4.861e2	0.72	NO	0.10269	0.10269

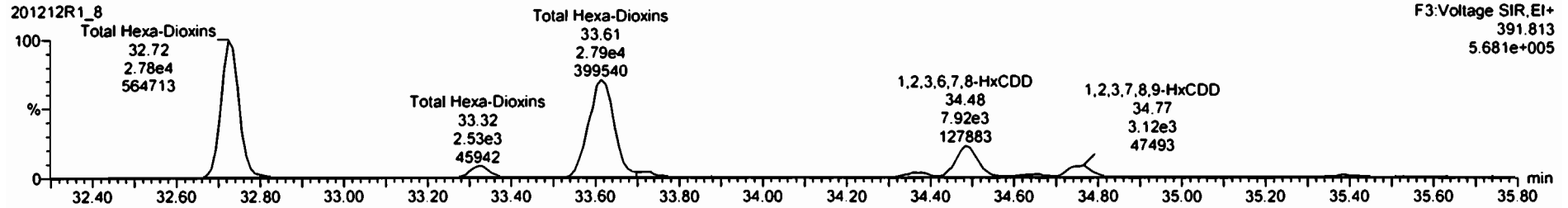


Dataset: Untitled

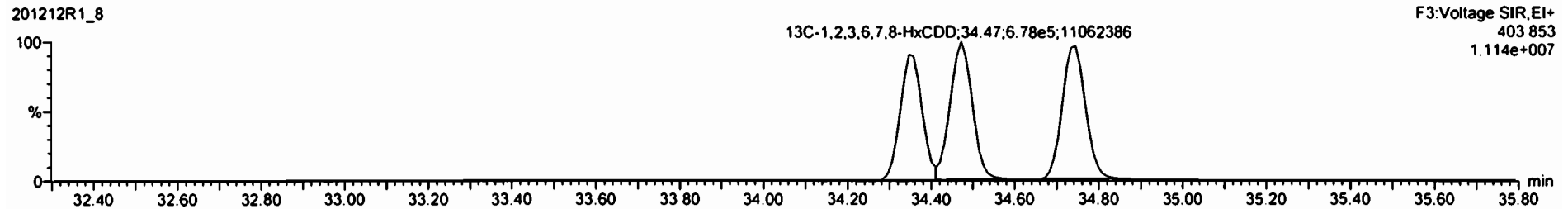
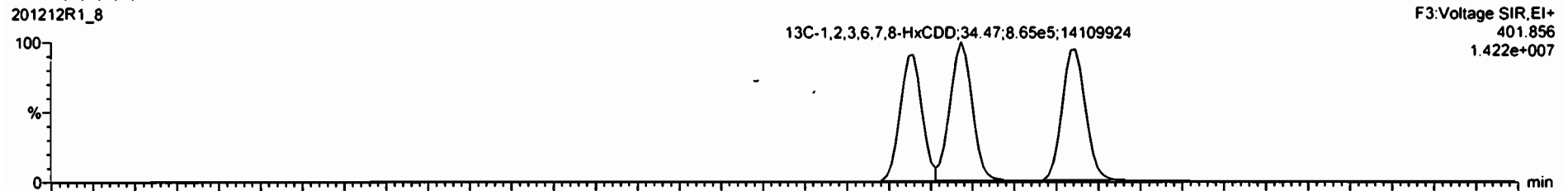
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

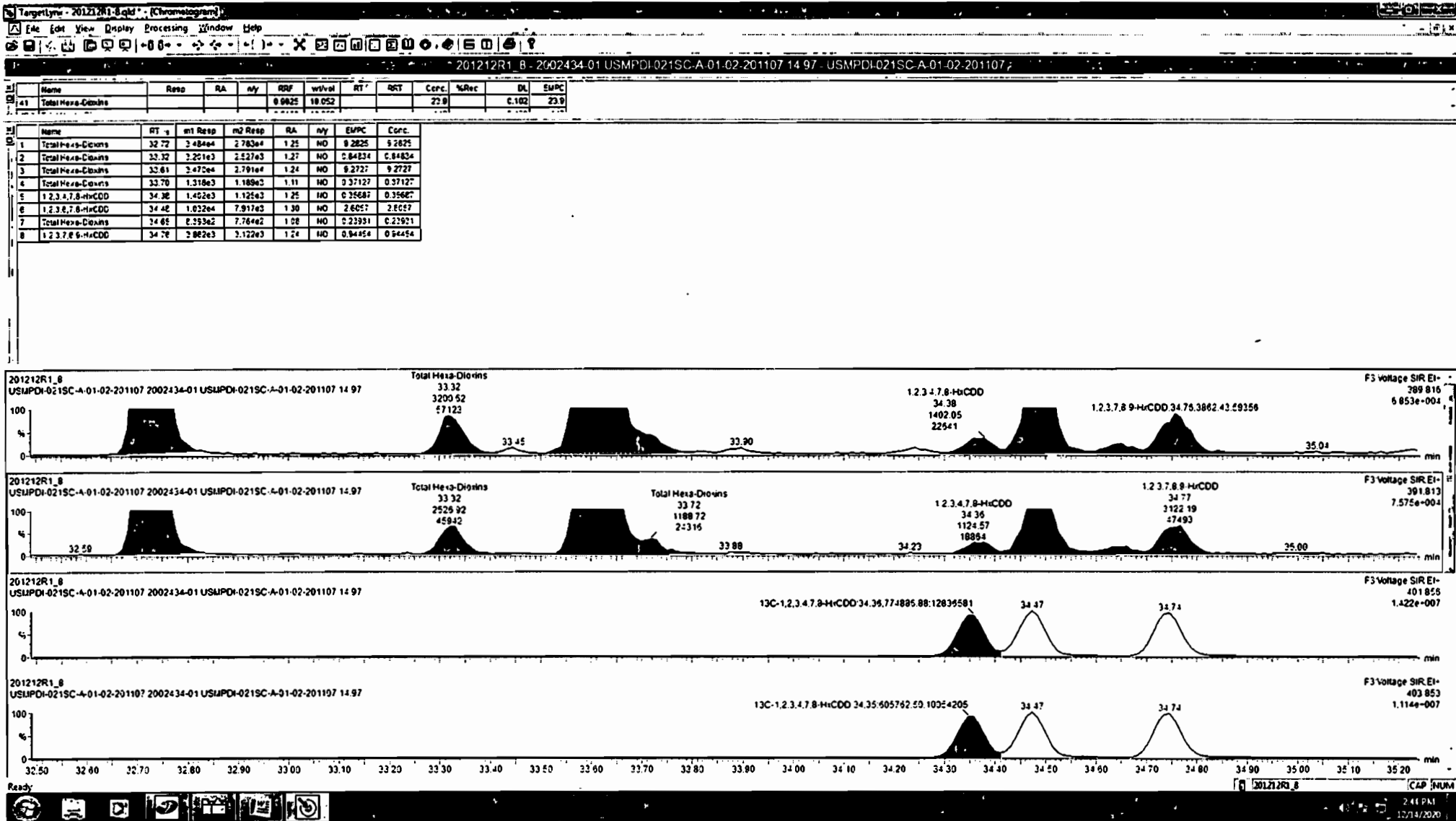
Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

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



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





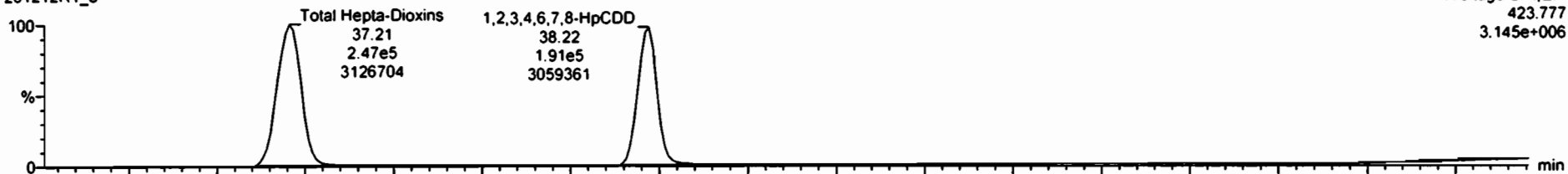
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

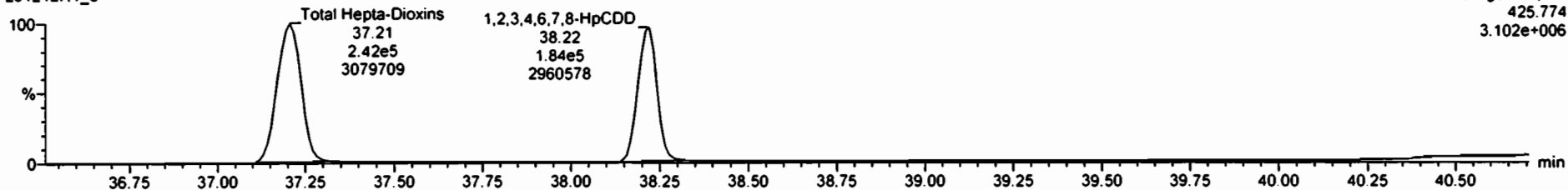
Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

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

201212R1_8

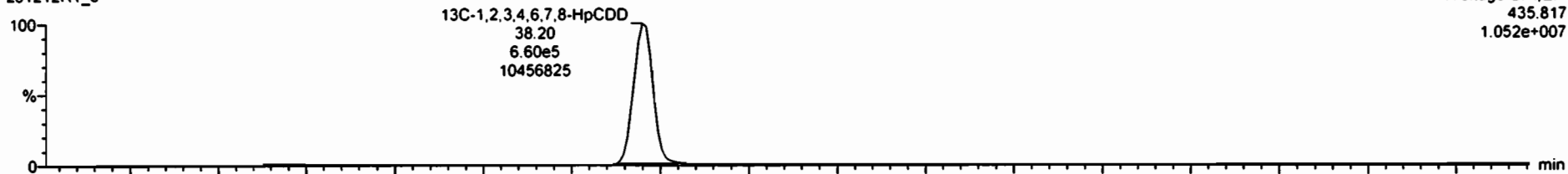


201212R1_8

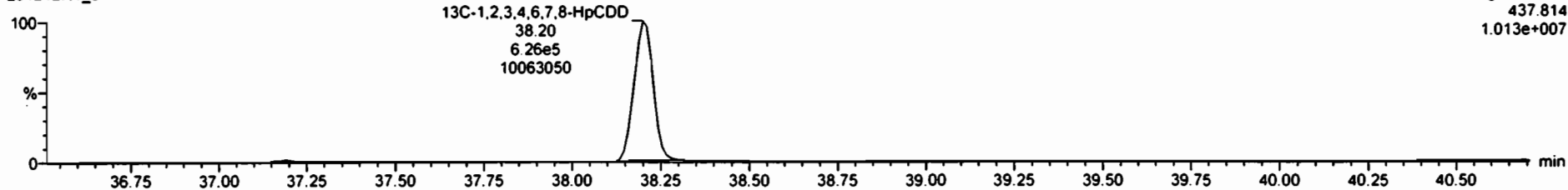


13C-1,2,3,4,6,7,8-HpCDD

201212R1_8



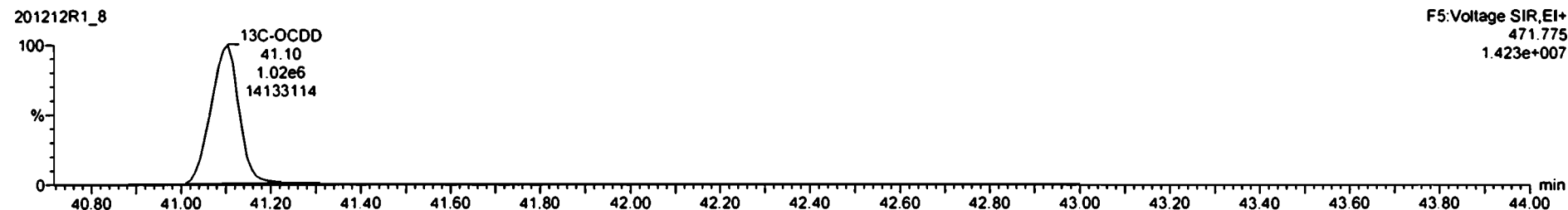
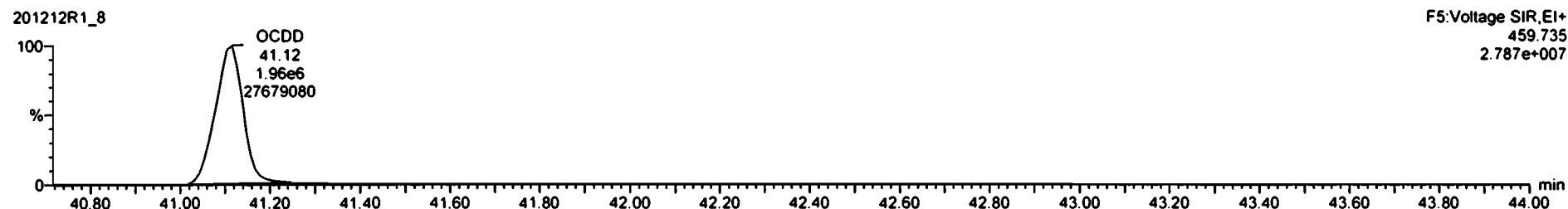
201212R1_8



Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107



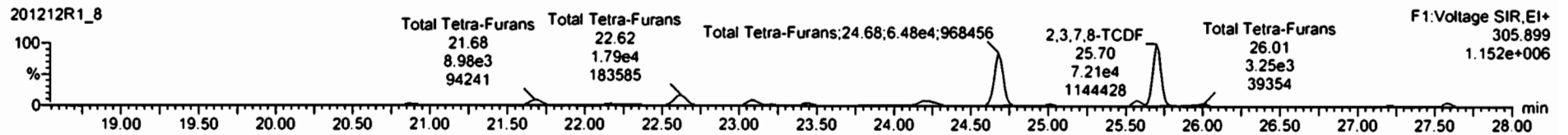
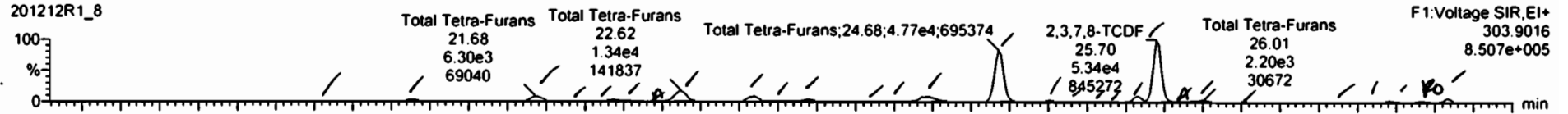
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

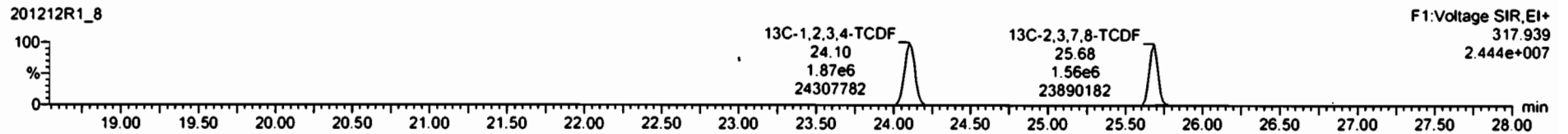
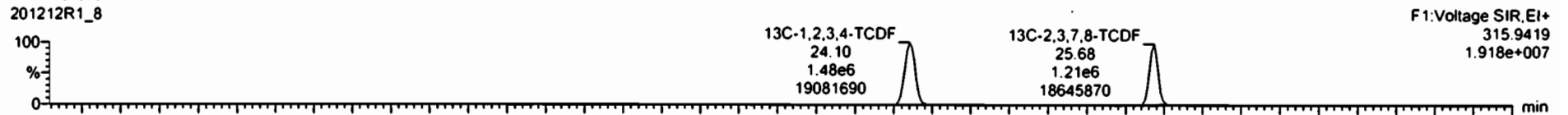
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

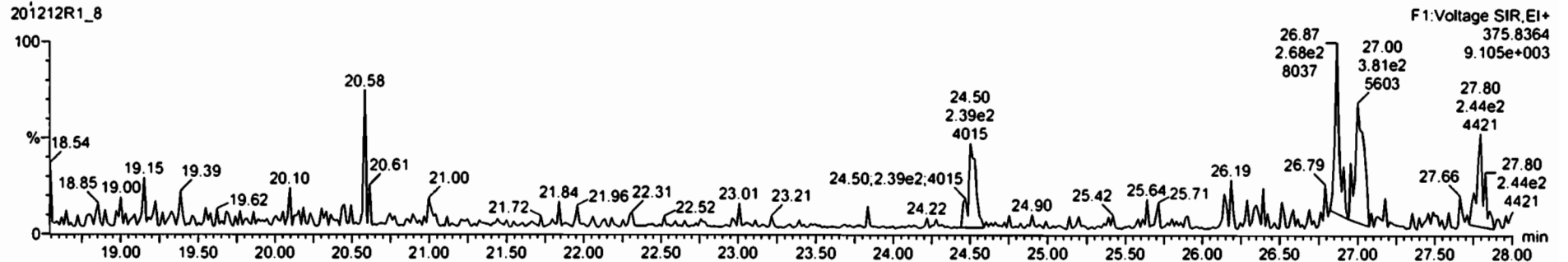
2,3,7,8-TCDF



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

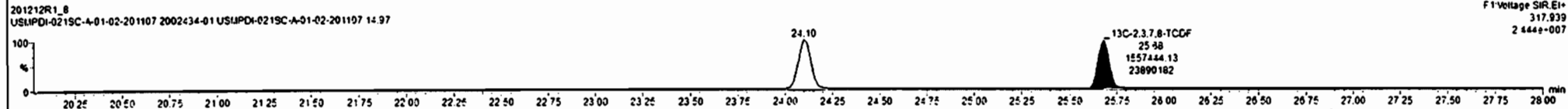
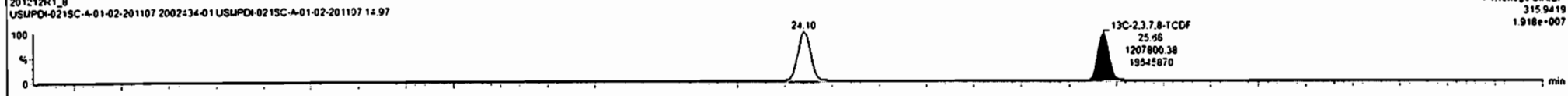
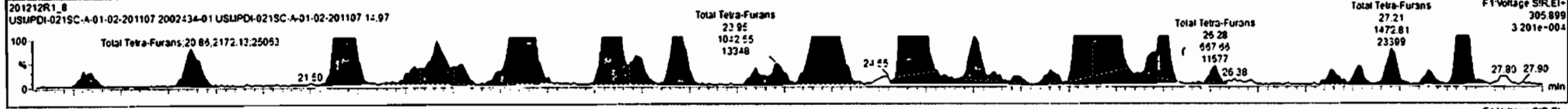
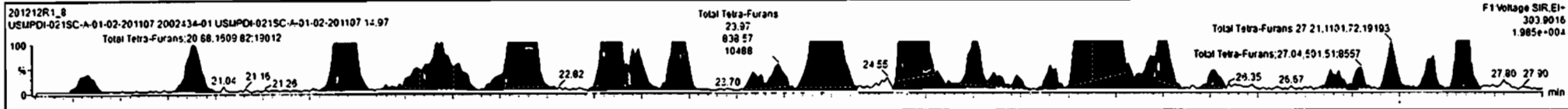


DPE1



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.8480	10.052			33.0		0.0431	33.3

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
13 Total Tetra-Furans	23.97	8.306e2	1.042e3	0.80	NO	0.15961	0.15961
14 Total Tetra-Furans	24.22	5.325e2	1.182e4	0.75	NO	1.7977	1.7577
15 Total Tetra-Furans	24.68	4.805e4	6.682e4	0.74	NO	8.8096	9.8098
16 Total Tetra-Furans	25.00	1.584e3	2.322e3	0.68	NO	0.33143	0.33143
17 Total Tetra-Furans	25.11	3.774e2	4.282e2	0.88	NO	0.068355	0.068355
18 Total Tetra-Furans	25.22	3.016e2	3.803e2	0.84	NO	0.058157	0.058157
19 Total Tetra-Furans	25.40	5.859e2	8.872e2	0.85	NO	0.13882	0.13883
20 Total Tetra-Furans	25.58	5.155e3	6.825e3	0.78	NO	1.0185	1.0185
21 2,3,7,8-TCDF	25.70	5.451e4	7.368e4	0.74	NO	10.877	10.877
22 Total Tetra-Furans	25.96	1.814e3	1.412e3	0.72	NO	0.25196	0.00000
23 Total Tetra-Furans	26.01	1.829e2	2.580e2	0.75	NO	0.38340	0.38340
24 Total Tetra-Furans	26.26	5.154e2	5.877e2	0.78	NO	0.13964	0.13964
25 Total Tetra-Furans	26.86	5.744e2	7.097e2	0.81	NO	0.13868	0.13896
26 Total Tetra-Furans	27.04	5.015e2	6.744e2	0.74	NO	0.059781	0.059781
27 Total Tetra-Furans	27.21	1.502e2	1.473e3	0.75	NO	0.21845	0.21845
28 Total Tetra-Furans	27.43	9.483e2	4.934e2	1.72	YES	0.074162	0.02200
29 Total Tetra-Furans	27.58	3.158e3	4.173e3	0.76	NO	0.62211	0.62211



Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

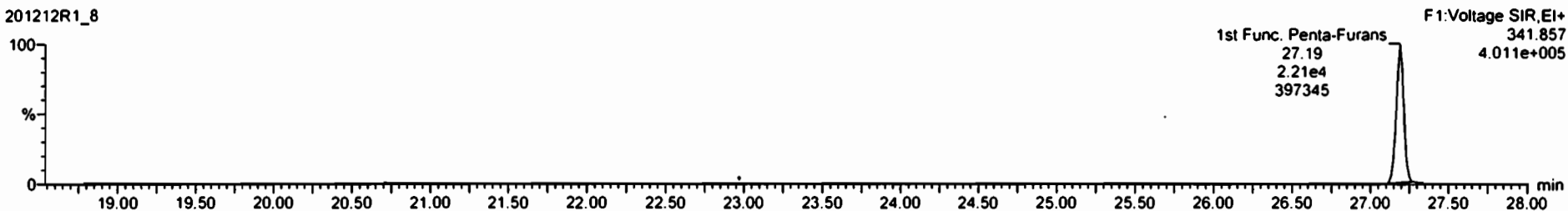
Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

1st Func. Penta-Furans

201212R1_8

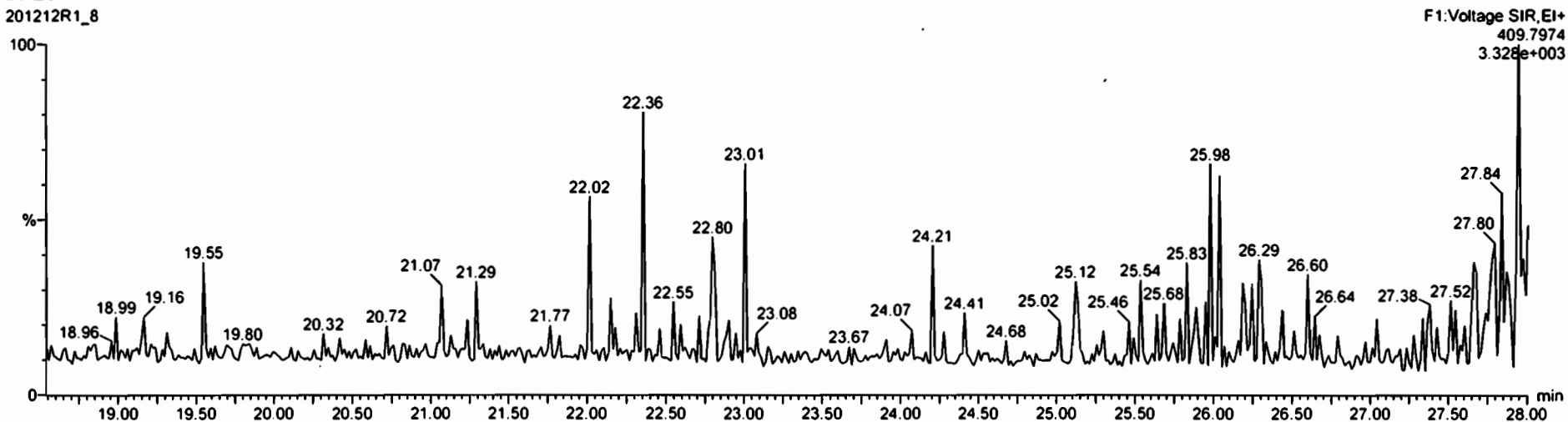


201212R1_8



DPE6

201212R1_8



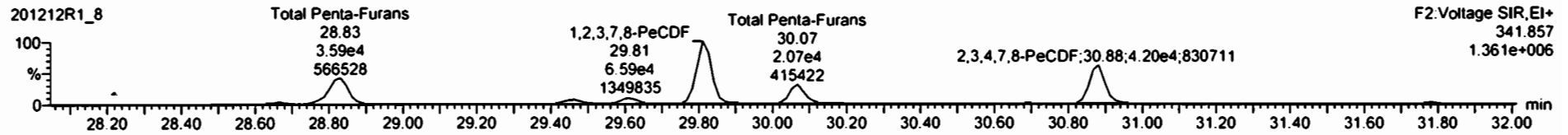
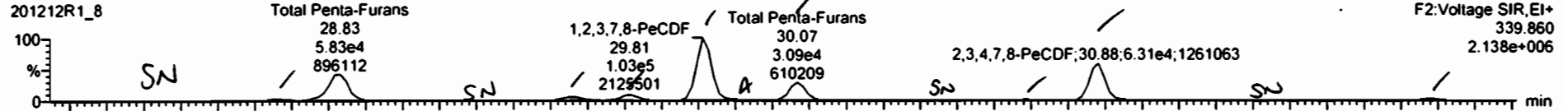
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

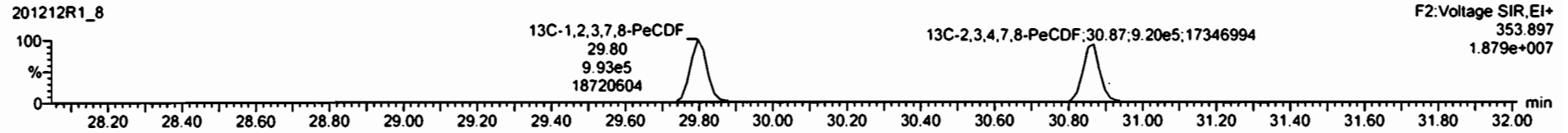
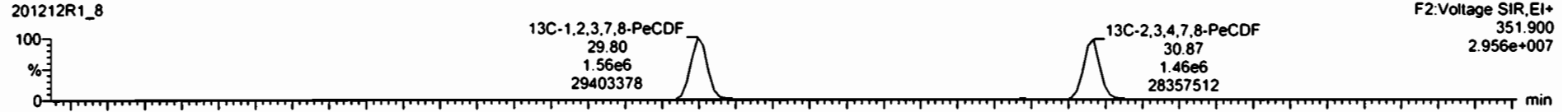
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

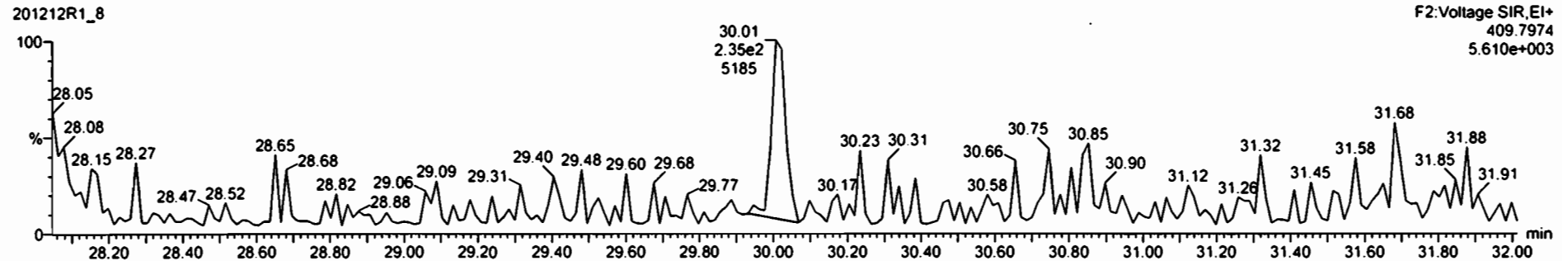
1,2,3,7,8-PeCDF



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

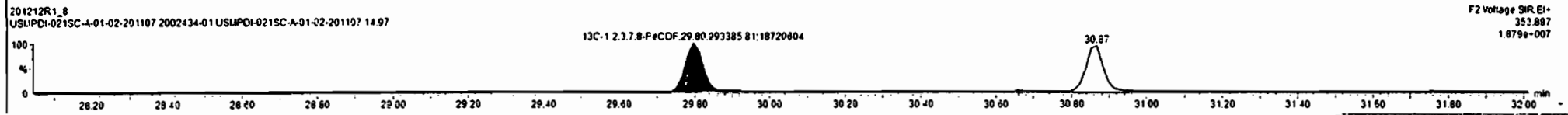
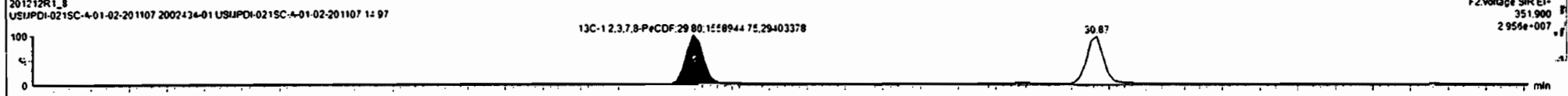
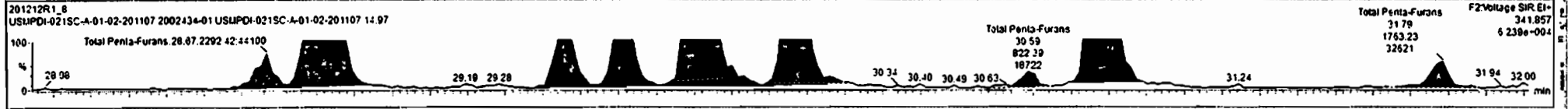
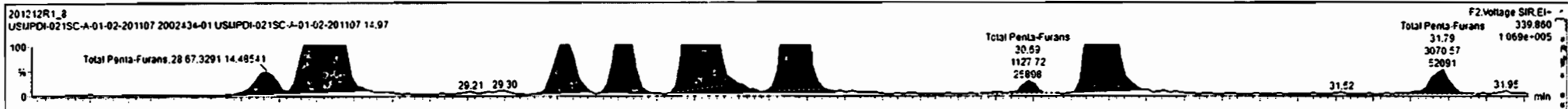


DPE2



Name	Res	RA	nY	RF	wtVol	RT	ACT	Conc.	%Rec	DL	EMPC
Total Penta-Furane				0.6597	10.052			38.1		0.0618	38.1

Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc.
1 Total Penta-Furane	28.67	3.251e3	2.292e3	1.44	NO	0.46910	0.46910
2 Total Penta-Furane	28.83	5.834e4	3.590e4	1.62	NO	7.9171	7.9171
3 Total Penta-Furane	28.47	7.103e3	5.132e3	1.38	NO	1.0280	1.0280
4 Total Penta-Furane	29.82	9.544e3	6.831e3	1.49	NO	1.3757	1.3757
5 1,2,3,7,8-PeCDF	29.81	1.044e5	6.661e4	1.57	NO	12.892	13.882
6 Total Penta-Furane	29.89	1.058e3	1.042e2	1.52	NO	0.22155	0.22155
7 Total Penta-Furane	30.07	3.185e4	2.090e4	1.51	NO	4.4171	4.4171
8 Total Penta-Furane	30.69	1.128e3	8.224e2	1.37	NO	0.16384	0.16384
9 2,3,4,7,8-PeCDF	30.86	6.306e4	4.262e4	1.50	NO	8.2225	8.2225
10 Total Penta-Furane	31.79	3.071e3	1.763e3	1.74	NO	0.40611	0.40611

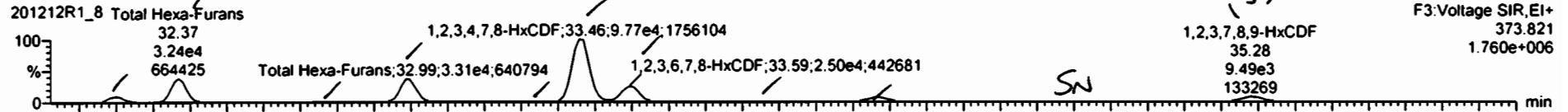


Dataset: Untitled

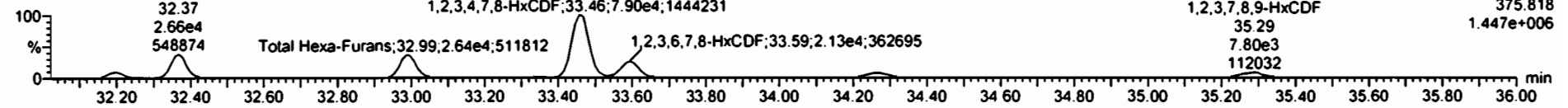
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

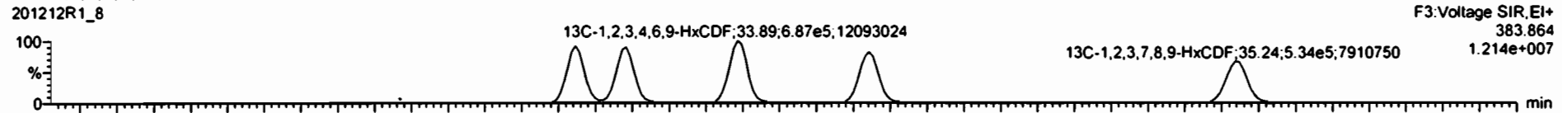
1,2,3,4,7,8-HxCDF



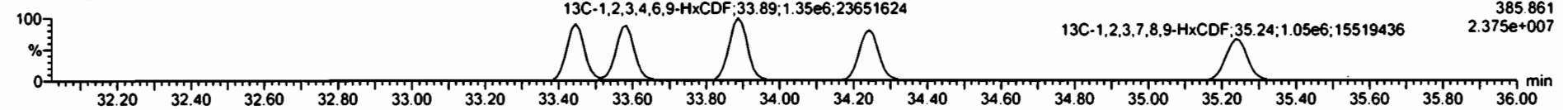
201212R1_8 Total Hexa-Furans



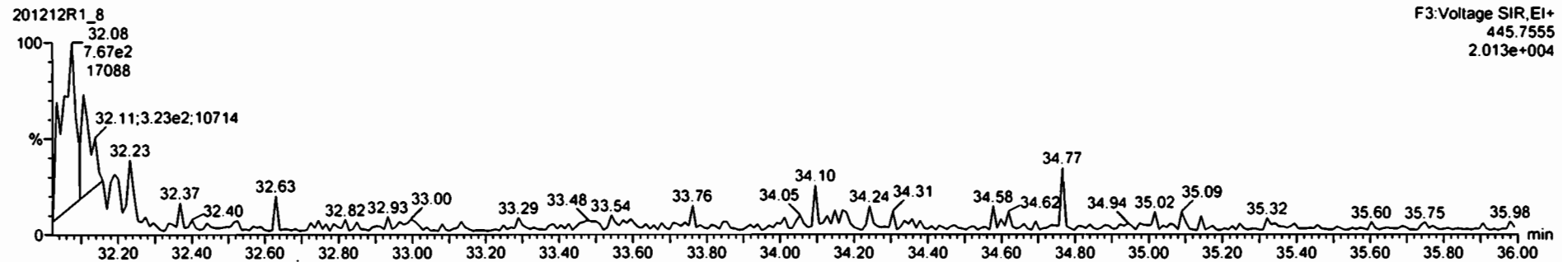
13C-1,2,3,4,7,8-HxCDF



201212R1_8

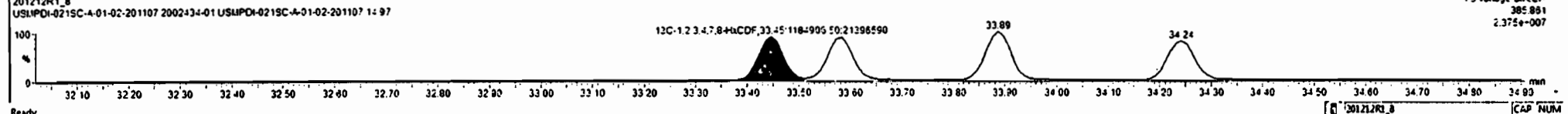
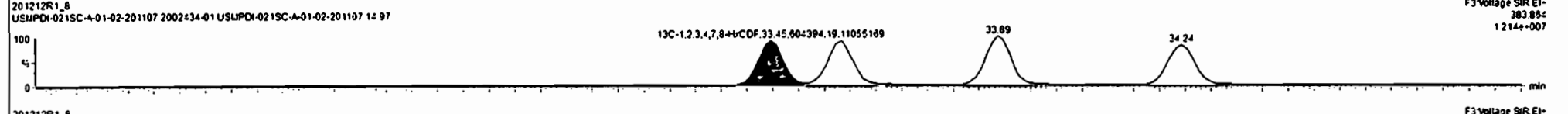
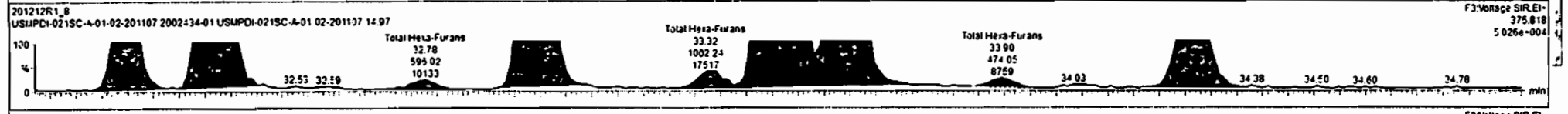
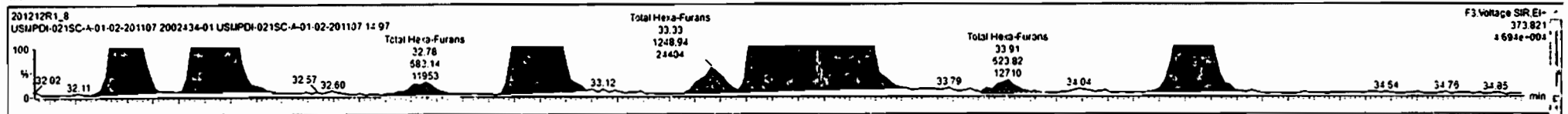


DPE3

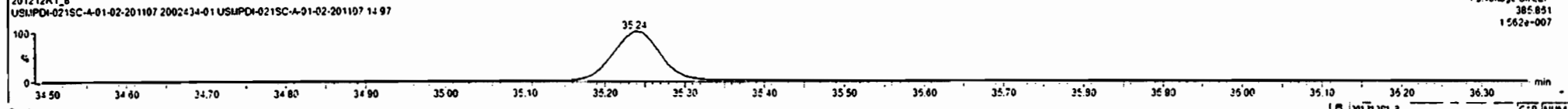
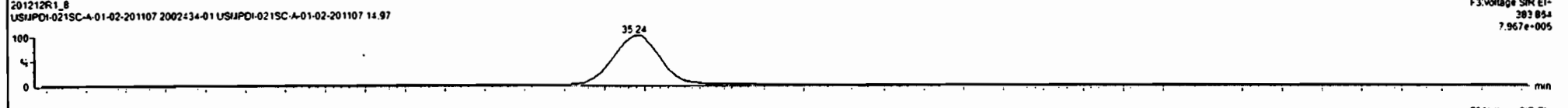
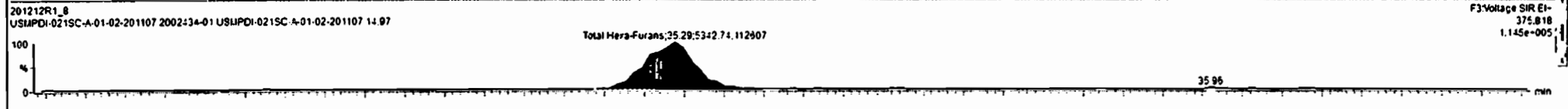
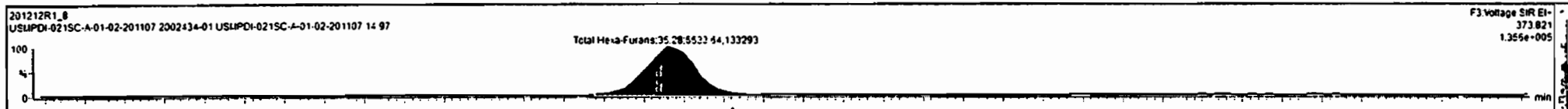


Name	Resp	RA	ny	RRF	wtval	RT	RRT	Conc	%Rec	DL	EMPC
Total Penta-Furans				0.9597	10.052			38.1		0.0618	38.1

#	Name	RT	m1 Resp	m2 Resp	RA	ny	EMPC	Conc
1	Total Hexa-Furans	32.20	8.159e3	8.722e3	1.22	NO	1.6783	1.6783
2	Total Hexa-Furans	32.37	2.245e4	2.858e4	1.22	NO	8.6446	8.6446
3	Total Hexa-Furans	32.78	8.831e2	5.960e2	1.15	NO	0.14420	0.14400
4	Total Hexa-Furans	32.89	3.307e4	2.839e4	1.25	NO	6.8927	8.6927
5	Total Hexa-Furans	33.33	1.249e3	1.002e3	1.25	NO	0.25342	0.25342
6	1,2,3,4,7,8-HxCDF	33.46	9.775e4	7.902e4	1.24	NO	19.934	19.934
7	1,2,3,6,7,8-HxCDF	33.59	2.498e4	2.127e4	1.17	NO	4.8902	4.8902
8	Total Hexa-Furans	33.91	8.238e2	4.241e2	1.32	NO	0.12359	0.12359
9	2,3,4,6,7,8-HxCDF	34.26	7.893e3	8.568e3	1.20	NO	1.6148	1.6148
10	1,2,3,7,8,9-HxCDF	35.26	9.492e2	7.802e2	1.22	NO	2.1932	2.1932



Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc.
1 Total Hexa-Furans	32.20	2.165e3	6.722e3	1.22	NO	1.6763	1.6763
2 Total Hexa-Furans	32.37	3.245e4	2.852e4	1.22	NO	6.6446	6.6446
3 Total Hexa-Furans	32.78	8.831e2	5.960e2	1.15	NO	2.14403	0.14400
4 Total Hexa-Furans	32.99	3.307e4	2.839e4	1.25	NO	6.6927	6.6527
5 Total Hexa-Furans	33.33	1.215e3	1.002e3	1.25	NO	2.25342	0.25342
6 1,2,3,4,7,8-HxCDF	33.46	9.773e4	7.902e4	1.24	NO	19.934	19.934
7 1,2,3,6,7,8-HxCDF	33.59	2.496e4	2.127e4	1.17	NO	4.8902	4.8902
8 Total Hexa-Furans	33.91	6.238e2	4.741e2	1.32	NO	0.12359	0.12359
9 2,3,4,6,7,8-HxCDF	34.26	7.893e3	6.566e3	1.20	NO	1.6146	1.6146
10 1,2,3,7,8,9-HxCDF	35.27	2.865e3	2.574e2	1.11	NO	0.69025	0.69025
11 Total Hexa-Furans	35.26	6.534e3	5.343e2	1.24	NO	1.3482	1.3482

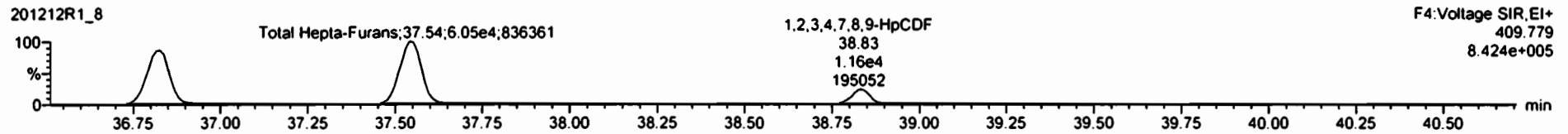
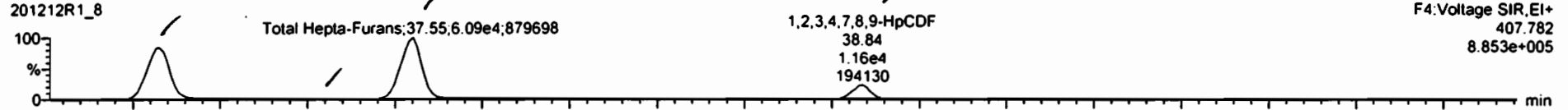


Dataset: Untitled

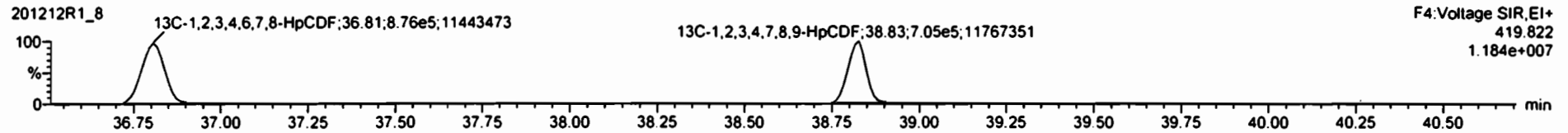
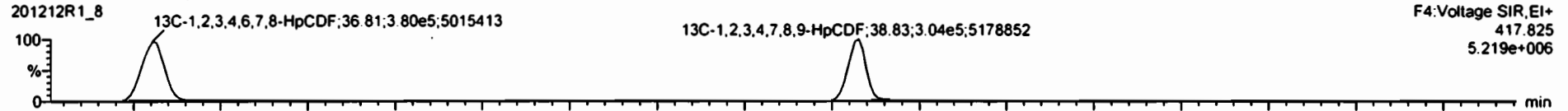
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

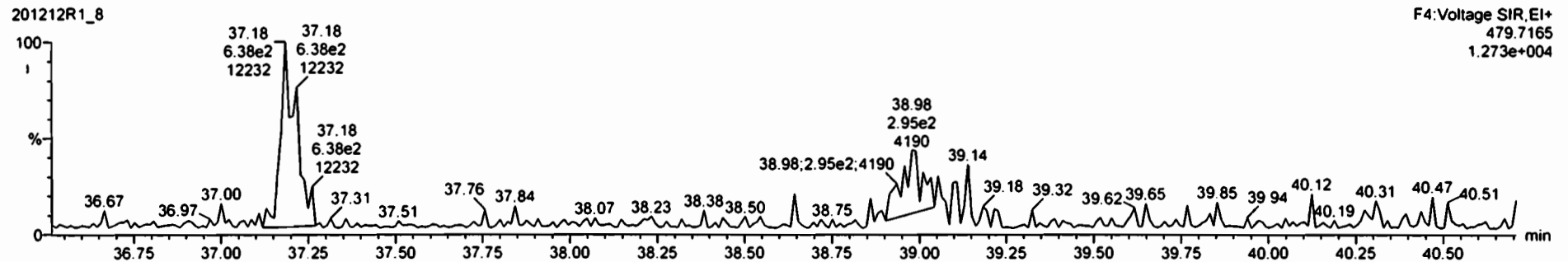
1,2,3,4,6,7,8-HpCDF

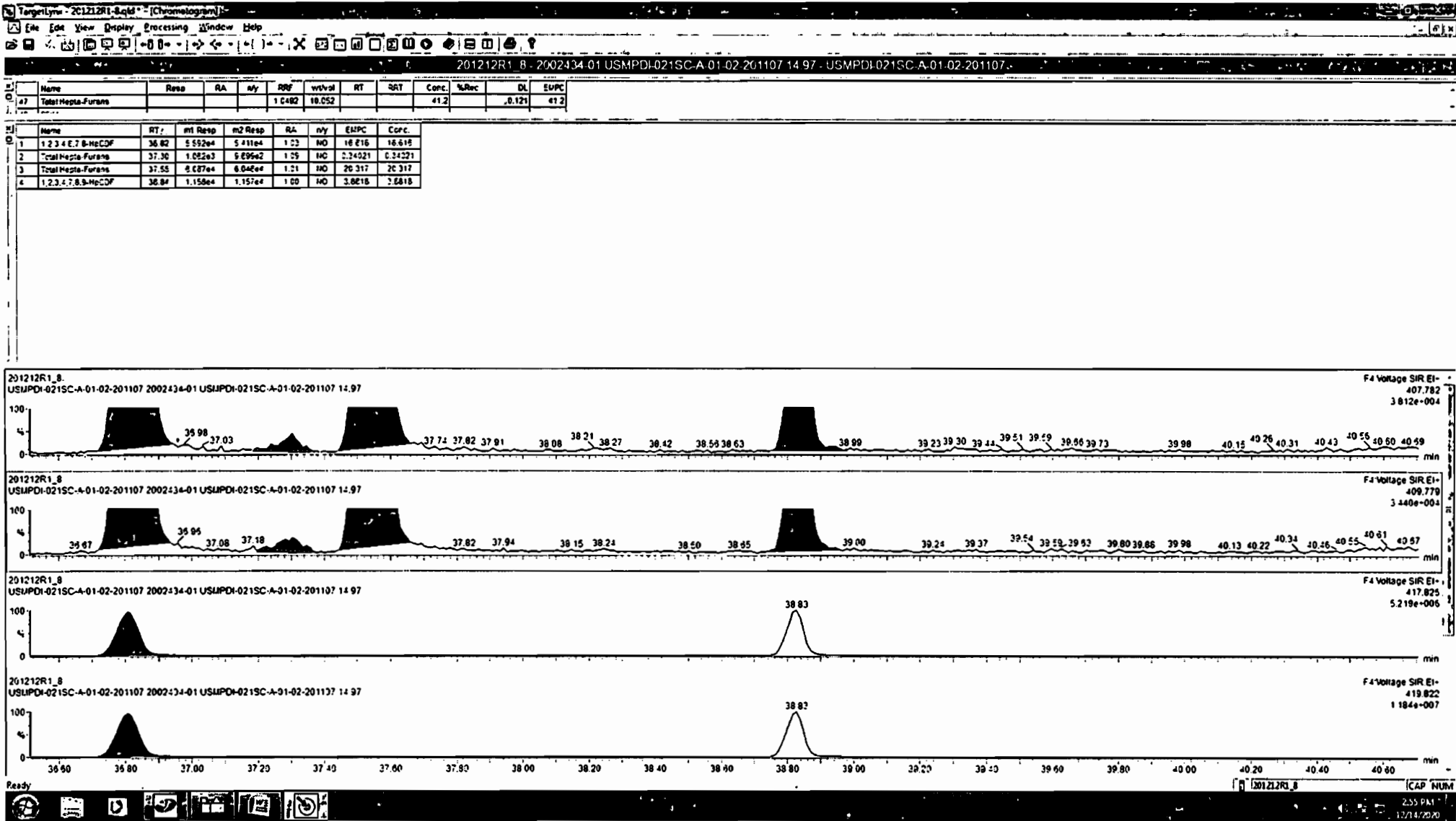


13C-1,2,3,4,6,7,8-HpCDF



DPE4



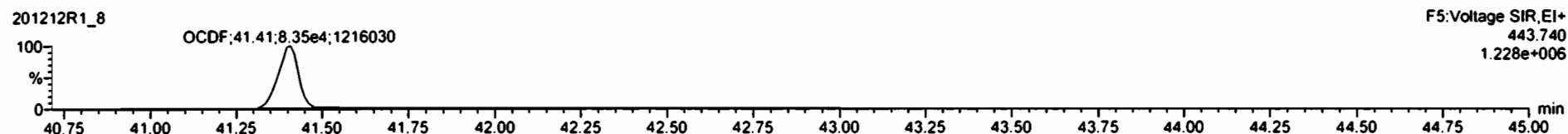


Dataset: Untitled

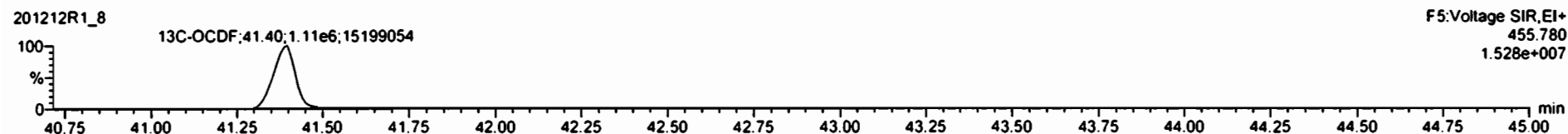
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107

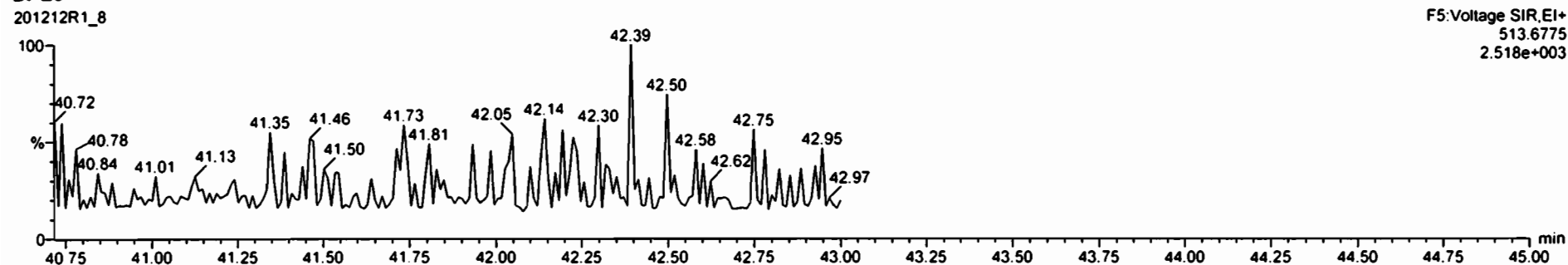
OCDF



13C-OCDF



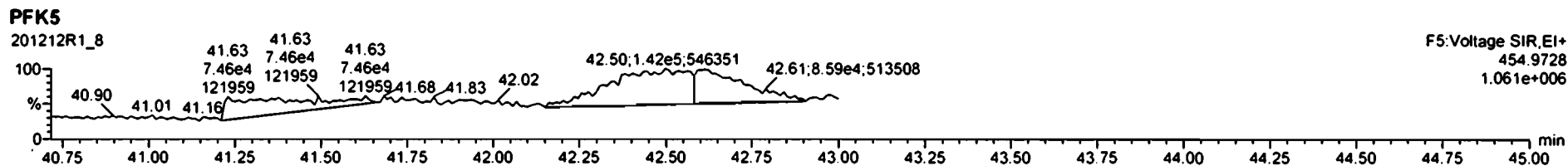
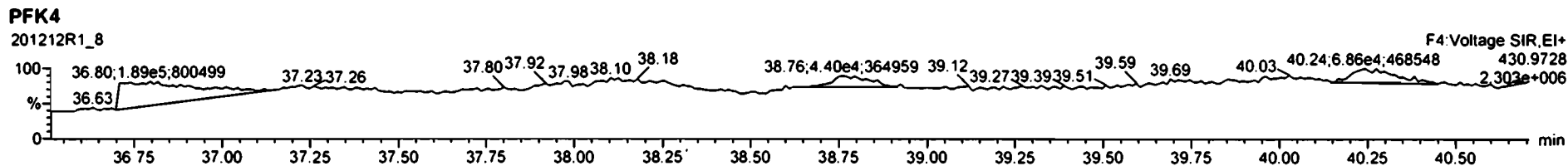
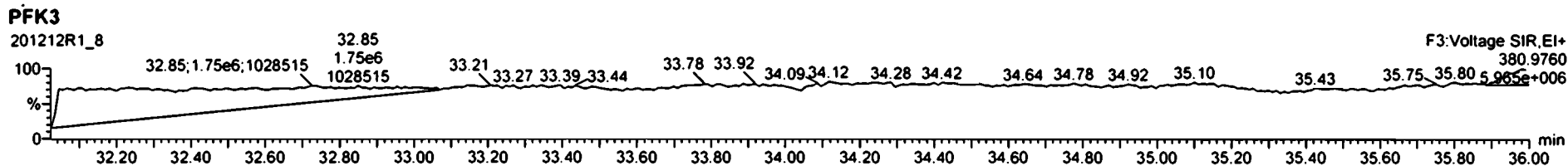
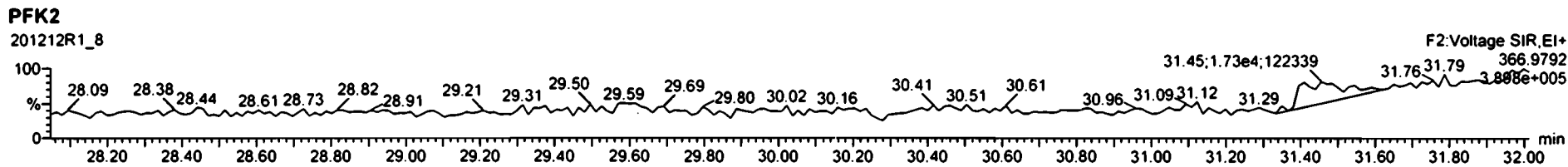
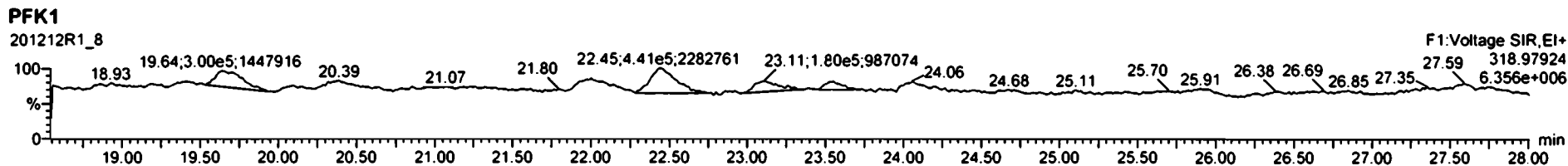
DPE5



Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_8, Date: 12-Dec-2020, Time: 16:59:35, ID: 2002434-01 USMPDI-021SC-A-01-02-201107 14.97, Description: USMPDI-021SC-A-01-02-201107



Dataset: U:\VG12.PRO\Results\201212R1\201212R1-9.qld

Last Altered: Monday, December 14, 2020 3:16:25 PM Pacific Standard Time
Printed: Monday, December 14, 2020 3:17:41 PM Pacific Standard Time

GRB 12/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

MLK
12/23/20

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

#	Name	Resp	RA	n/y	RRE	w/wol	Pred_RT	RT	Pred_RRT	RRT-1	Conc.	%Rec.	DL	EMPC
1	2,3,7,8-TCDD	1.42e3	0.23	YES	0.980	10.027	26.396	26.38	1.001	1.001	0.14065		0.0282	0.0627
2	1,2,3,7,8-PeCDD			NO	0.932	10.027	31.079		1.001				0.0423	
3	1,2,3,4,7,8-HxCDD	2.02e3	1.15	NO	1.02	10.027	34.368	34.46	1.001	1.003	0.32517		0.0701	0.325
4	1,2,3,6,7,8-HxCDD			NO	0.902	10.027	34.483		1.001				0.0748	
5	1,2,3,7,8,9-HxCDD	1.43e3	1.16	NO	0.954	10.027	34.745	34.74	1.000	1.000	0.21971		0.0715	0.220
6	1,2,3,4,6,7,8-HpCDD	4.98e4	1.05	NO	0.918	10.027	38.200	38.21	1.000	1.001	9.6980		0.184	9.70
7	OCDD	4.40e5	0.88	NO	0.866	10.027	41.113	41.12	1.000	1.000	124.84		0.257	125
8	2,3,7,8-TCDF	1.35e4	0.79	NO	0.848	10.027	25.672	25.70	1.000	1.001	1.1675		0.0331	1.17
9	1,2,3,7,8-PeCDF	3.43e5	1.57	NO	0.960	10.027	29.800	29.81	1.000	1.000	32.126		0.0840	32.1
10	2,3,4,7,8-PeCDF	1.29e5	1.58	NO	1.07	10.027	30.874	30.87	1.001	1.000	11.107		0.0749	11.1
11	1,2,3,4,7,8-HxCDF	8.19e5	1.22	NO	0.986	10.027	33.446	33.46	1.000	1.001	102.20		0.0738	102
12	1,2,3,6,7,8-HxCDF	1.76e5	1.22	NO	1.04	10.027	33.592	33.58	1.001	1.000	21.096		0.0722	21.1
13	2,3,4,6,7,8-HxCDF	3.91e4	1.21	NO	1.02	10.027	34.253	34.26	1.001	1.001	4.8860		0.0776	4.89
14	1,2,3,7,8,9-HxCDF	3.65e4	1.15	NO	0.991	10.027	35.238	35.27	1.000	1.001	5.1659		0.100	5.17
15	1,2,3,4,6,7,8-HpCDF	8.53e4	0.99	NO	1.05	10.027	36.824	36.82	1.000	1.000	14.708		0.0988	14.7
16	1,2,3,4,7,8,9-HpCDF	2.85e4	1.03	NO	1.18	10.027	38.817	38.83	1.000	1.001	5.3687		0.0853	5.37
17	OCDF	3.30e4	0.84	NO	0.896	10.027	41.406	41.41	1.000	1.000	8.0924		0.0945	8.09
18	13C-2,3,7,8-TCDD	1.97e6	0.78	NO	1.06	10.027	26.368	26.36	1.030	1.030	189.03	94.8	0.0628	
19	13C-1,2,3,7,8-PeCDD	1.59e6	0.64	NO	0.785	10.027	31.211	31.05	1.219	1.213	205.37	103	0.128	
20	13C-1,2,3,4,7,8-HxCDD	1.22e6	1.28	NO	0.621	10.027	34.348	34.35	1.014	1.014	210.71	106	0.258	
21	13C-1,2,3,6,7,8-HxCDD	1.37e6	1.27	NO	0.734	10.027	34.470	34.46	1.017	1.017	200.80	101	0.218	
22	13C-1,2,3,7,8,9-HxCDD	1.36e6	1.25	NO	0.723	10.027	34.755	34.74	1.026	1.025	202.60	102	0.222	
23	13C-1,2,3,4,6,7,8-HpCDD	1.11e6	1.05	NO	0.568	10.027	38.255	38.19	1.129	1.127	210.93	106	0.526	
24	13C-OCDD	1.62e6	0.90	NO	0.496	10.027	41.193	41.10	1.216	1.213	352.00	88.2	0.377	
25	13C-2,3,7,8-TCDF	2.73e6	0.77	NO	0.919	10.027	25.667	25.67	1.003	1.003	187.83	94.2	0.101	
26	13C-1,2,3,7,8-PeCDF	2.22e6	1.58	NO	0.715	10.027	29.921	29.80	1.169	1.164	196.50	98.5	0.167	
27	13C-2,3,4,7,8-PeCDF	2.17e6	1.60	NO	0.689	10.027	31.008	30.85	1.212	1.205	199.60	100	0.174	
28	13C-1,2,3,4,7,8-HxCDF	1.62e6	0.52	NO	0.873	10.027	33.453	33.44	0.987	0.987	199.54	100	0.259	
29	13C-1,2,3,6,7,8-HxCDF	1.60e6	0.51	NO	0.933	10.027	33.582	33.57	0.991	0.991	184.22	92.4	0.242	
30	13C-2,3,4,6,7,8-HxCDF	1.57e6	0.51	NO	0.843	10.027	34.250	34.23	1.011	1.010	199.45	100	0.268	
31	13C-1,2,3,7,8,9-HxCDF	1.42e6	0.51	NO	0.780	10.027	35.249	35.23	1.040	1.040	195.83	98.2	0.290	

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-9.qld

Last Altered: Monday, December 14, 2020 3:16:25 PM Pacific Standard Time
Printed: Monday, December 14, 2020 3:17:41 PM Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.RRT	RRT-5	Conc	%Rec	DU	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.10e6	0.44	NO	0.726	10.027	36.825	36.81	1.087	1.086	163.11	81.8	0.335	
33	13C-1,2,3,4,7,8,9-HpCDF	9.00e5	0.43	NO	0.491	10.027	38.835	38.81	1.146	1.145	196.93	98.7	0.495	
34	13C-OCDF	1.81e6	0.87	NO	0.565	10.027	41.410	41.40	1.222	1.222	344.56	86.4	0.423	
35	37Cl-2,3,7,8-TCDD	9.17e5			1.22	10.027	26.363	26.38	1.030	1.031	76.520	95.9	0.0169	
36	13C-1,2,3,4-TCDD	1.96e6	0.79	NO	1.00	10.027	25.640	25.59	1.000	1.000	199.46	100	0.0662	
37	13C-1,2,3,4-TCDF	3.15e6	0.79	NO	1.00	10.027	24.130	24.10	1.000	1.000	199.46	100	0.0927	
38	13C-1,2,3,4,6,9-HxCDF	1.86e6	0.51	NO	1.00	10.027	33.920	33.89	1.000	1.000	199.46	100	0.226	
39	Total Tetra-Dioxins				0.980	10.027	24.620		0.000		0.51874		0.0232	0.697
40	Total Penta-Dioxins				0.932	10.027	29.960		0.000		0.53011		0.0423	0.831
41	Total Hexa-Dioxins				0.902	10.027	33.635		0.000		4.3417		0.0765	4.34
42	Total Hepta-Dioxins				0.918	10.027	37.640		0.000		22.780		0.184	22.8
43	Total Tetra-Furans				0.848	10.027	23.610		0.000		3.7992		0.0331	3.91
44	1st Func. Penta-Furans				0.960	10.027	26.930		0.000		1.6262		0.0133	1.63
45	Total Penta-Furans				0.960	10.027	29.275		0.000		68.803		0.0837	68.8
46	Total Hexa-Furans				1.02	10.027	33.555		0.000		158.11		0.0794	158
47	Total Hepta-Furans				1.05	10.027	37.835		0.000		29.514		0.0974	29.5

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-9.qld

Last Altered: Monday, December 14, 2020 3:16:25 PM Pacific Standard Time

Printed: Monday, December 14, 2020 3:17:41 PM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.58	1.419e4	1.423e4	9.903e2	1.282e3	0.77	NO	2.272e3	0.23521	0.23521	0.0232
Total Tetra-Dioxins	22.93	4.005e3	4.084e3	2.463e2	2.971e2	0.83	NO	5.434e2	0.056242	0.056242	0.0232
Total Tetra-Dioxins	23.48	2.900e3	3.403e3	2.208e2	2.551e2	0.87	NO	4.760e2	0.049263	0.049263	0.0232
Total Tetra-Dioxins	24.29	7.990e3	1.057e4	5.673e2	7.785e2	0.73	NO	1.346e3	0.13930	0.13930	0.0232
Total Tetra-Dioxins	24.52	3.256e3	3.412e3	1.732e2	2.010e2	0.86	NO	3.742e2	0.038735	0.038735	0.0232
Total Tetra-Dioxins	24.77	3.159e3	3.650e3	2.106e2	2.392e2	0.88	NO	0.000e0	0.00000	0.046558	0.0232
Total Tetra-Dioxins	25.68	5.817e3	6.845e3	4.557e2	3.742e2	1.22	YES	0.000e0	0.00000	0.068557	0.0232
2,3,7,8-TCDD	26.38	4.306e3	1.713e4	2.637e2	1.153e3	0.23	YES	1.417e3	0.00000	0.062746	0.0232

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	28.77	8.919e3	1.781e4	6.401e2	1.142e3	0.56	NO	1.782e3	0.24020	0.24020	0.0423
Total Penta-Dioxins	29.28	7.206e3	1.023e4	3.071e2	5.187e2	0.59	NO	8.258e2	0.11134	0.11134	0.0423
Total Penta-Dioxins	29.80	1.593e4	1.515e4	1.016e3	9.164e2	1.11	YES	0.000e0	0.00000	0.20139	0.0423
Total Penta-Dioxins	30.02	3.724e3	7.796e3	2.851e2	5.774e2	0.49	YES	0.000e0	0.00000	0.099455	0.0423
Total Penta-Dioxins	30.31	6.739e3	1.101e4	5.324e2	7.922e2	0.67	NO	1.325e3	0.17858	0.17858	0.0423

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	32.72	1.238e5	1.011e5	6.516e3	4.977e3	1.31	NO	1.149e4	1.9282	1.9282	0.0765
Total Hexa-Dioxins	33.32	1.318e4	1.400e4	6.987e2	5.876e2	1.19	NO	1.286e3	0.21582	0.21582	0.0765
Total Hexa-Dioxins	33.60	7.309e4	5.919e4	5.071e3	4.119e3	1.23	NO	9.190e3	1.5419	1.5419	0.0765
Total Hexa-Dioxins	33.67	7.532e3	5.755e3	3.646e2	2.963e2	1.23	NO	6.609e2	0.11088	0.11088	0.0765
1,2,3,4,7,8-HxCDD	34.46	1.665e4	1.663e4	1.081e3	9.432e2	1.15	NO	2.024e3	0.32517	0.32517	0.0701
1,2,3,7,8,9-HxCDD	34.74	1.271e4	1.110e4	7.695e2	6.628e2	1.16	NO	1.432e3	0.21971	0.21971	0.0715

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-9.qld

Last Altered: Monday, December 14, 2020 3:16:25 PM Pacific Standard Time
 Printed: Monday, December 14, 2020 3:17:41 PM Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.21	4.381e5	4.158e5	3.393e4	3.318e4	1.02	NO	6.711e4	13.082	13.082	0.184
2 1,2,3,4,6,7,8-HpCDD	38.21	4.081e5	3.998e5	2.553e4	2.422e4	1.05	NO	4.975e4	9.6980	9.6980	0.184

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	3.191e3	3.066e3	1.910e2	2.286e2	0.84	NO	4.196e2	0.036204	0.036204	0.0331
2 Total Tetra-Furans	20.89	3.979e3	4.838e3	2.874e2	4.004e2	0.72	NO	6.878e2	0.059345	0.059345	0.0331
3 Total Tetra-Furans	21.68	1.856e4	2.522e4	1.692e3	2.422e3	0.70	NO	4.114e3	0.35496	0.35496	0.0331
4 Total Tetra-Furans	22.61	1.604e4	2.188e4	1.560e3	2.160e3	0.72	NO	3.719e3	0.32089	0.32089	0.0331
5 Total Tetra-Furans	23.10	1.526e4	2.242e4	1.271e3	1.915e3	0.66	NO	3.186e3	0.27490	0.27490	0.0331
6 Total Tetra-Furans	23.44	4.650e3	6.142e3	2.988e2	4.191e2	0.71	NO	7.180e2	0.061950	0.061950	0.0331
7 Total Tetra-Furans	24.24	1.319e4	1.782e4	1.421e3	2.008e3	0.71	NO	3.429e3	0.29583	0.29583	0.0331
8 Total Tetra-Furans	24.55	3.196e3	5.229e3	2.445e2	3.043e2	0.80	NO	5.487e2	0.047346	0.047346	0.0331
9 Total Tetra-Furans	24.68	5.180e4	7.082e4	3.823e3	5.124e3	0.75	NO	8.946e3	0.77191	0.77191	0.0331
10 Total Tetra-Furans	25.57	8.808e3	1.154e4	5.142e2	6.887e2	0.75	NO	1.203e3	0.10379	0.10379	0.0331
11 2,3,7,8-TCDF	25.70	8.829e4	1.163e5	5.951e3	7.580e3	0.79	NO	1.353e4	1.1675	1.1675	0.0331
12 Total Tetra-Furans	25.92	2.714e3	2.243e3	1.193e2	1.281e2	0.93	YES	0.000e0	0.00000	0.019565	0.0331
13 Total Tetra-Furans	25.98	4.090e3	4.824e3	2.643e2	3.772e2	0.70	NO	6.415e2	0.055353	0.055353	0.0331
14 Total Tetra-Furans	26.88	6.159e3	9.155e3	3.687e2	4.892e2	0.75	NO	8.579e2	0.074025	0.074025	0.0331
15 Total Tetra-Furans	27.03	9.842e3	1.346e4	5.338e2	7.838e2	0.68	NO	1.318e3	0.11369	0.11369	0.0331
16 Total Tetra-Furans	27.19	6.933e3	7.011e3	4.309e2	4.715e2	0.91	YES	0.000e0	0.00000	0.072011	0.0331
17 Total Tetra-Furans	27.40	2.995e3	2.682e3	1.533e2	1.354e2	1.13	YES	0.000e0	0.00000	0.020671	0.0331
18 Total Tetra-Furans	27.58	5.527e3	5.567e3	3.134e2	3.991e2	0.79	NO	7.125e2	0.061479	0.061479	0.0331

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	27.19	1.784e5	1.090e5	1.049e4	6.680e3	1.57	NO	1.717e4	1.6262	1.6262	0.0133

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-9.qld

Last Altered: Monday, December 14, 2020 3:16:25 PM Pacific Standard Time
 Printed: Monday, December 14, 2020 3:17:41 PM Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Penta-Furans	28.65	1.654e4	9.669e3	9.087e2	6.617e2	1.37	NO	1.570e3	0.14872	0.14872	0.0837
2 Total Penta-Furans	28.82	1.524e6	9.996e5	8.925e4	5.630e4	1.59	NO	1.455e5	13.783	13.783	0.0837
3 Total Penta-Furans	29.45	3.255e4	2.072e4	1.607e3	1.122e3	1.43	NO	2.730e3	0.25850	0.25850	0.0837
4 Total Penta-Furans	29.60	8.871e4	5.689e4	4.430e3	3.005e3	1.47	NO	7.435e3	0.70411	0.70411	0.0837
5 1,2,3,7,8-PeCDF	29.81	4.097e6	2.629e6	2.097e5	1.333e5	1.57	NO	3.430e5	32.126	32.126	0.0840
6 Total Penta-Furans	29.89	6.502e4	3.741e4	2.606e3	1.474e3	1.77	NO	4.079e3	0.38632	0.38632	0.0837
7 Total Penta-Furans	30.07	1.232e6	7.530e5	6.485e4	4.119e4	1.57	NO	1.060e5	10.042	10.042	0.0837
8 2,3,4,7,8-PeCDF	30.87	1.557e6	9.951e5	7.891e4	5.006e4	1.58	NO	1.290e5	11.107	11.107	0.0749
9 Total Penta-Furans	31.77	3.206e4	1.982e4	1.626e3	9.786e2	1.66	NO	2.605e3	0.24669	0.24669	0.0837

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Furans	32.19	7.435e4	6.131e4	3.866e3	3.075e3	1.26	NO	6.941e3	0.87419	0.87419	0.0794
2 Total Hexa-Furans	32.36	8.841e5	7.225e5	4.448e4	3.646e4	1.22	NO	8.094e4	10.194	10.194	0.0794
3 Total Hexa-Furans	32.76	9.946e3	6.317e3	4.567e2	3.543e2	1.29	NO	8.109e2	0.10214	0.10214	0.0794
4 Total Hexa-Furans	32.99	4.737e5	3.872e5	2.304e4	1.916e4	1.20	NO	4.220e4	5.3153	5.3153	0.0794
5 Total Hexa-Furans	33.32	4.108e4	3.319e4	1.903e3	1.621e3	1.17	NO	3.524e3	0.44383	0.44383	0.0794
6 1,2,3,4,7,8-HxCDF	33.46	8.028e6	6.576e6	4.499e5	3.696e5	1.22	NO	8.195e5	102.20	102.20	0.0738
7 1,2,3,6,7,8-HxCDF	33.58	1.677e6	1.363e6	9.676e4	7.910e4	1.22	NO	1.759e5	21.096	21.096	0.0722
8 2,3,4,6,7,8-HxCDF	34.26	3.517e5	2.834e5	2.138e4	1.773e4	1.21	NO	3.911e4	4.8860	4.8860	0.0776
9 1,2,3,7,8,9-HxCDF	35.27	7.277e5	6.200e5	1.951e4	1.697e4	1.15	NO	3.648e4	5.1659	5.1659	0.100
10 Total Hexa-Furans	35.28	7.911e5	6.379e5	3.482e4	2.731e4	1.28	NO	6.213e4	7.8255	7.8255	0.0794

Hepta-Furans

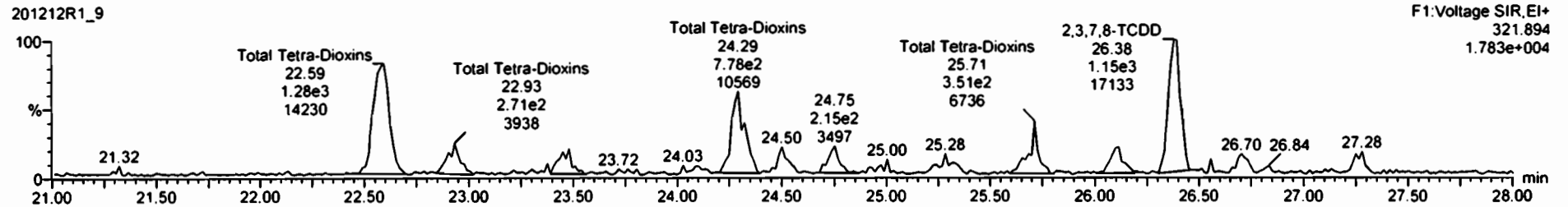
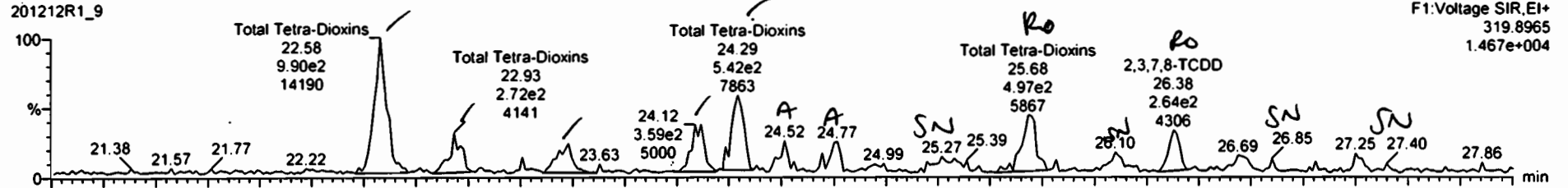
Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 1,2,3,4,6,7,8-HpCDF	36.82	5.695e5	5.658e5	4.240e4	4.292e4	0.99	NO	8.533e4	14.708	14.708	0.0988
2 Total Hepta-Furans	37.29	1.002e4	1.072e4	8.937e2	9.113e2	0.98	NO	1.805e3	0.34260	0.34260	0.0974
3 Total Hepta-Furans	37.54	3.171e5	3.238e5	2.395e4	2.397e4	1.00	NO	4.792e4	9.0952	9.0952	0.0974
4 1,2,3,4,7,8,9-HpCDF	38.83	2.385e5	2.450e5	1.443e4	1.406e4	1.03	NO	2.849e4	5.3687	5.3687	0.0853

Dataset: Untitled

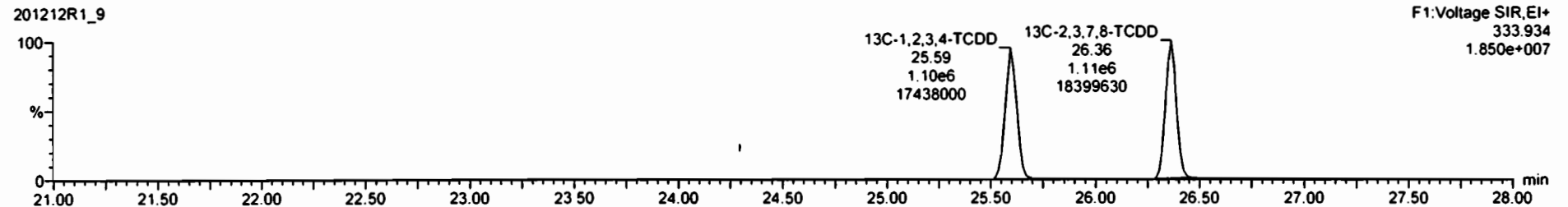
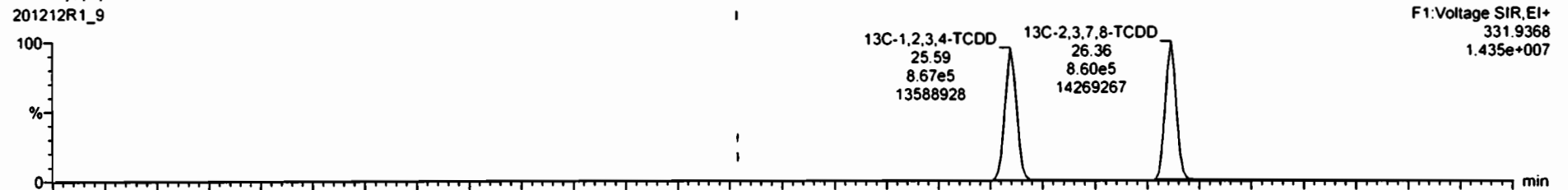
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

2,3,7,8-TCDD

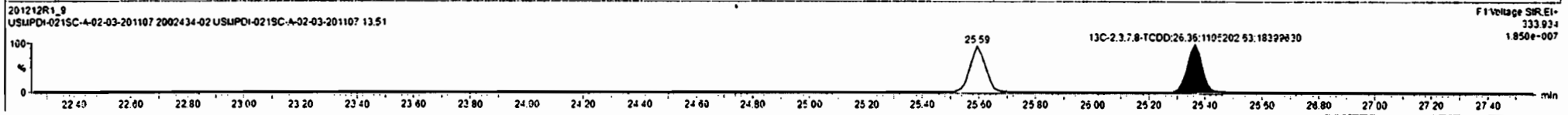
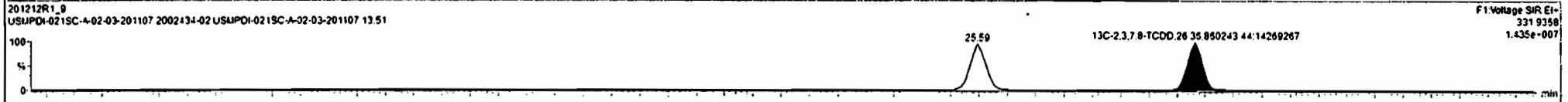
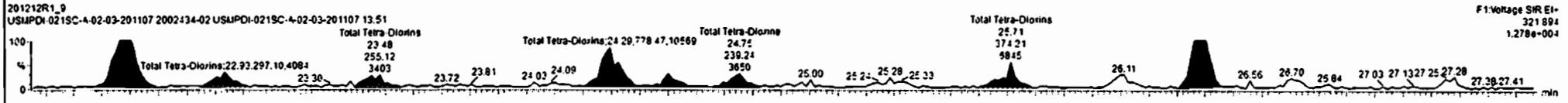
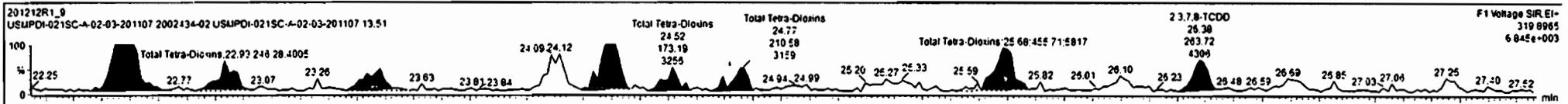


13C-2,3,7,8-TCDD



Name	Resp	RA	n/y	RRF	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
35 Total Tetra-Dioxins				0.0005	10.027			0.510	0.0232		0.007

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Dioxins	22.50	9.902e2	1.282e3	0.77	NO	0.23521	0.23521
2 Total Tetra-Dioxins	22.92	2.452e2	2.571e2	0.83	NO	0.058242	0.058242
3 Total Tetra-Dioxins	23.48	2.208e2	2.551e2	0.87	NO	0.049263	0.049263
4 Total Tetra-Dioxins	24.29	5.672e2	7.785e2	0.73	NO	0.13930	0.13930
5 Total Tetra-Dioxins	24.52	1.732e2	2.010e2	0.86	NO	0.036735	0.036735
6 Total Tetra-Dioxins	24.77	2.192e2	2.392e2	0.93	NO	0.048558	0.048558
7 Total Tetra-Dioxins	25.59	4.557e2	3.742e2	1.22	YES	0.068557	0.05000
8 2,3,7,8-TCDD	26.38	2.637e2	1.152e2	0.22	YES	0.062748	0.00000



Dataset: Untitled

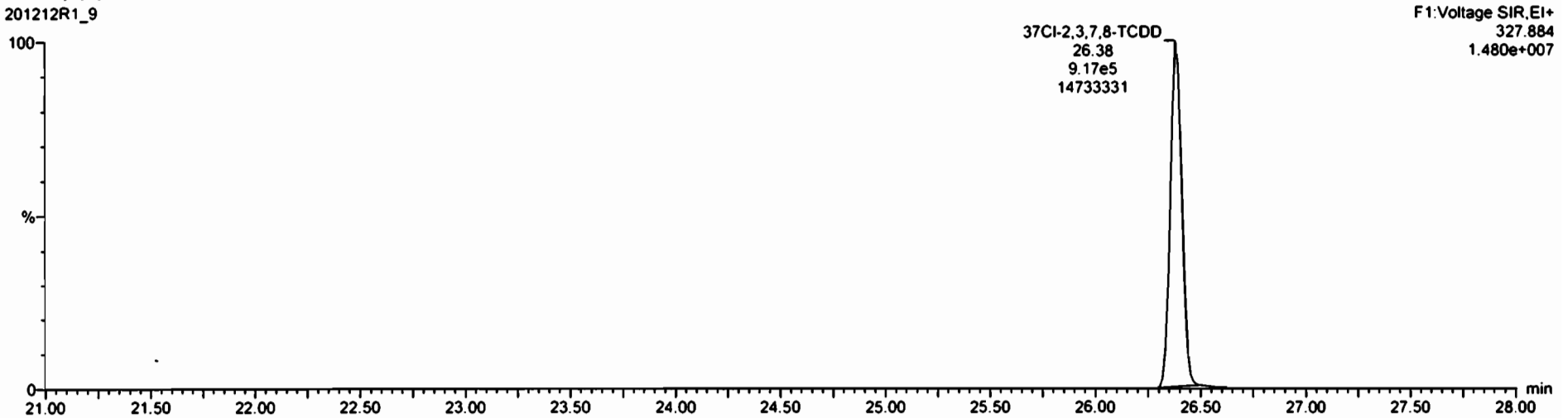
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

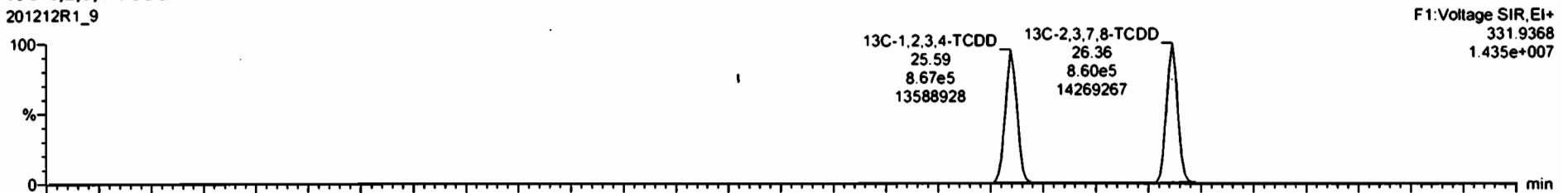
37Cl-2,3,7,8-TCDD

201212R1_9

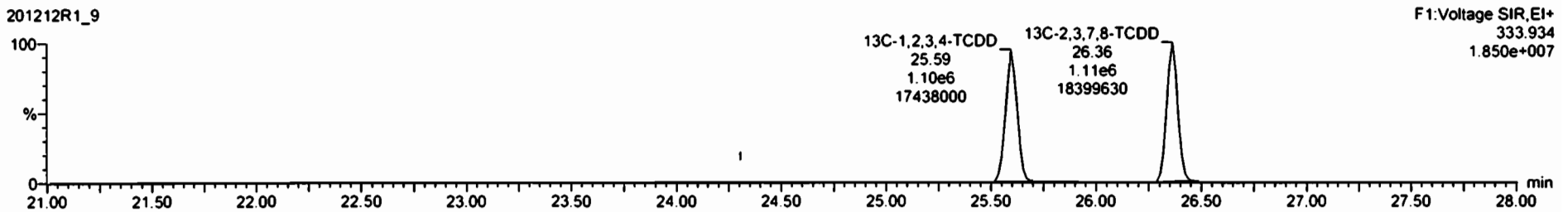


13C-1,2,3,4-TCDD

201212R1_9



201212R1_9

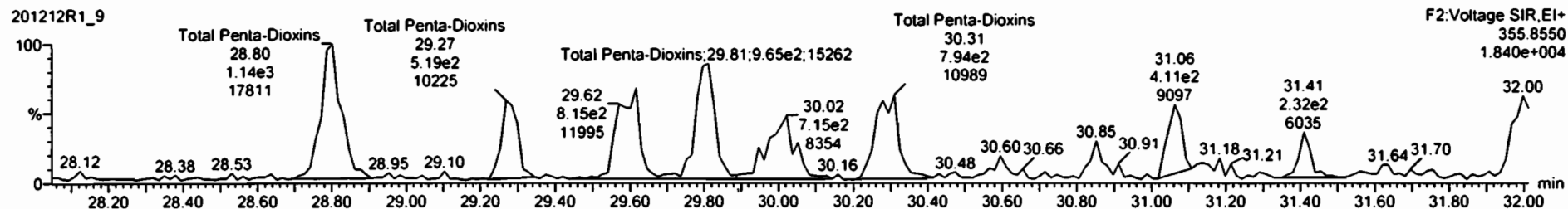
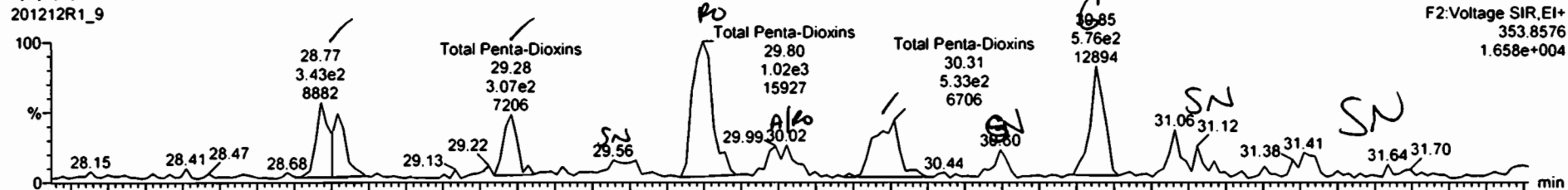


Dataset: Untitled

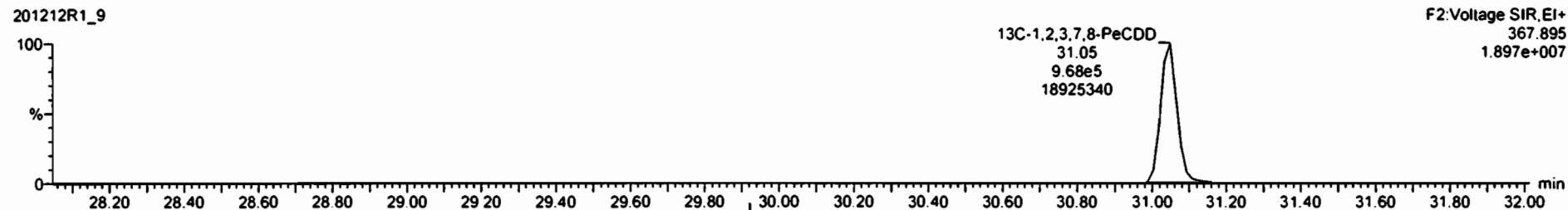
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

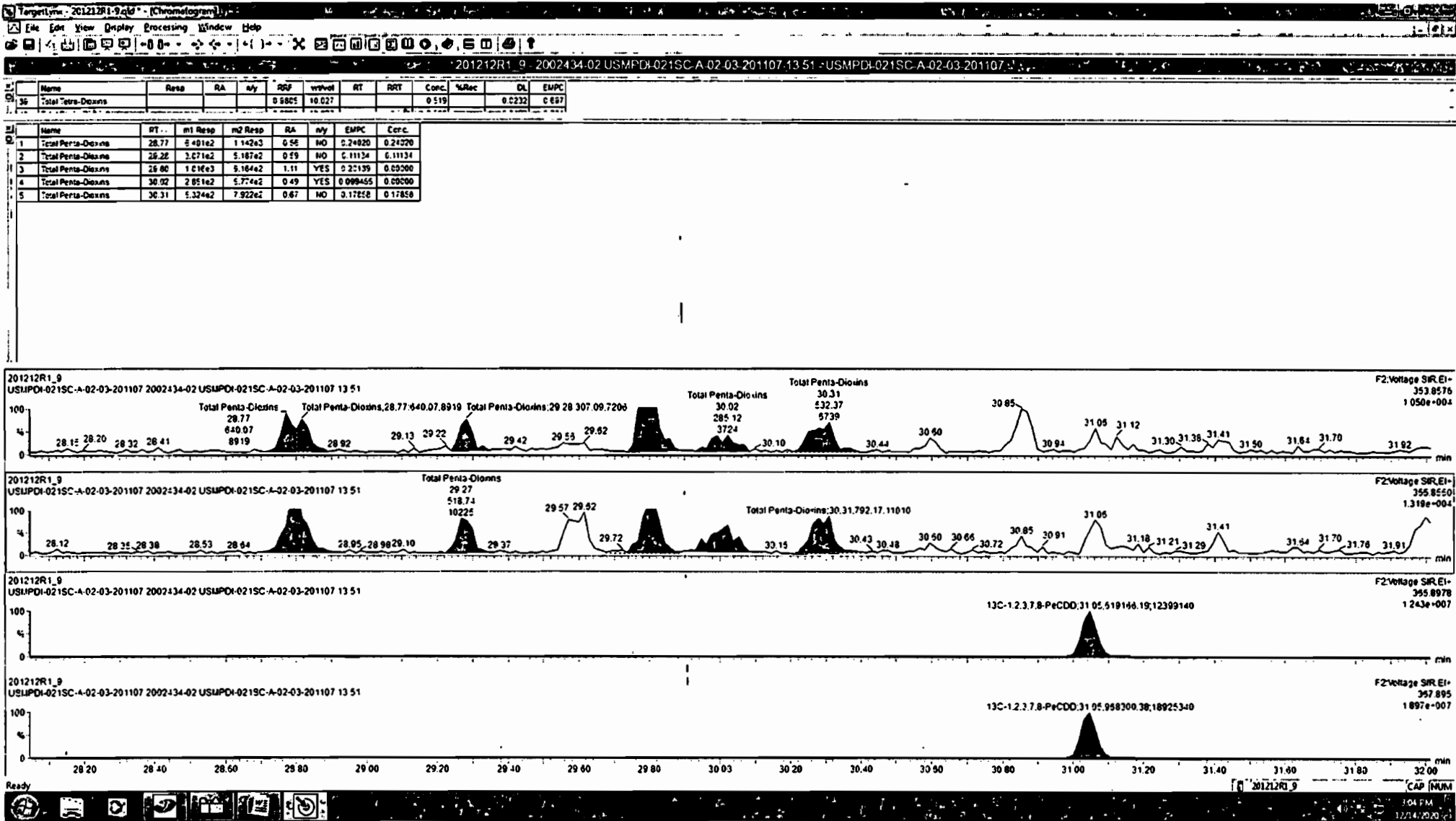
Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

1,2,3,7,8-PeCDD



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



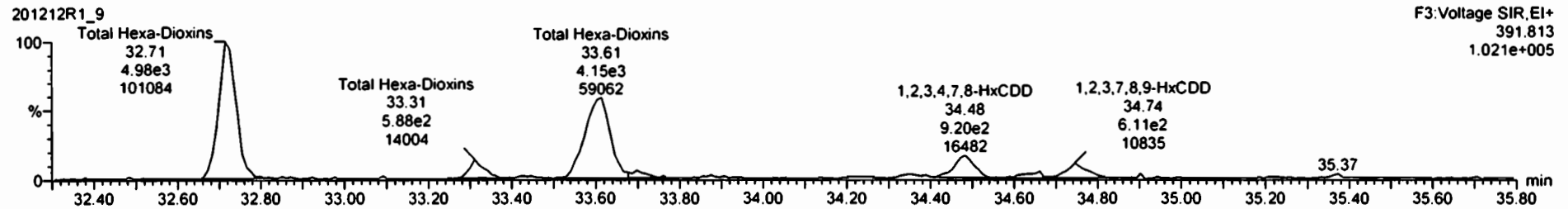
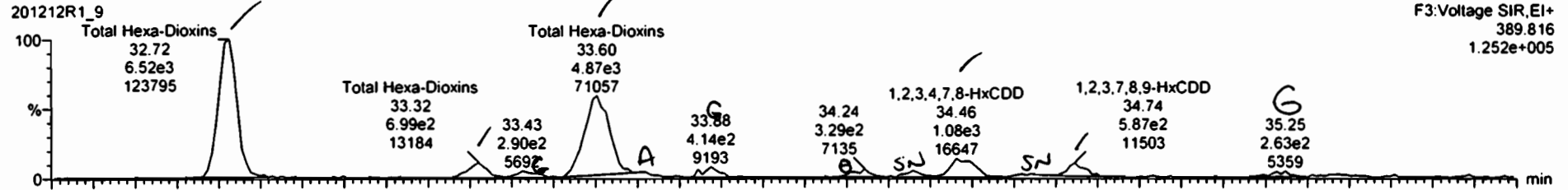


Dataset: Untitled

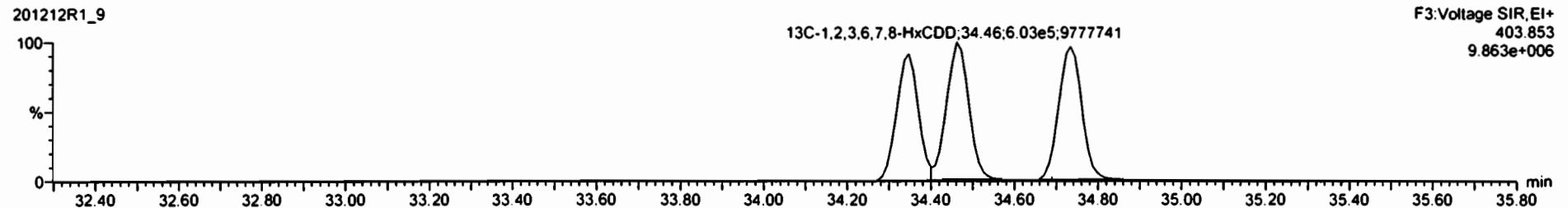
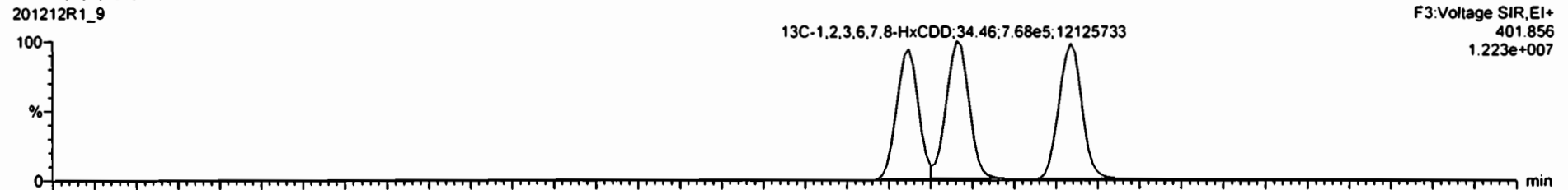
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

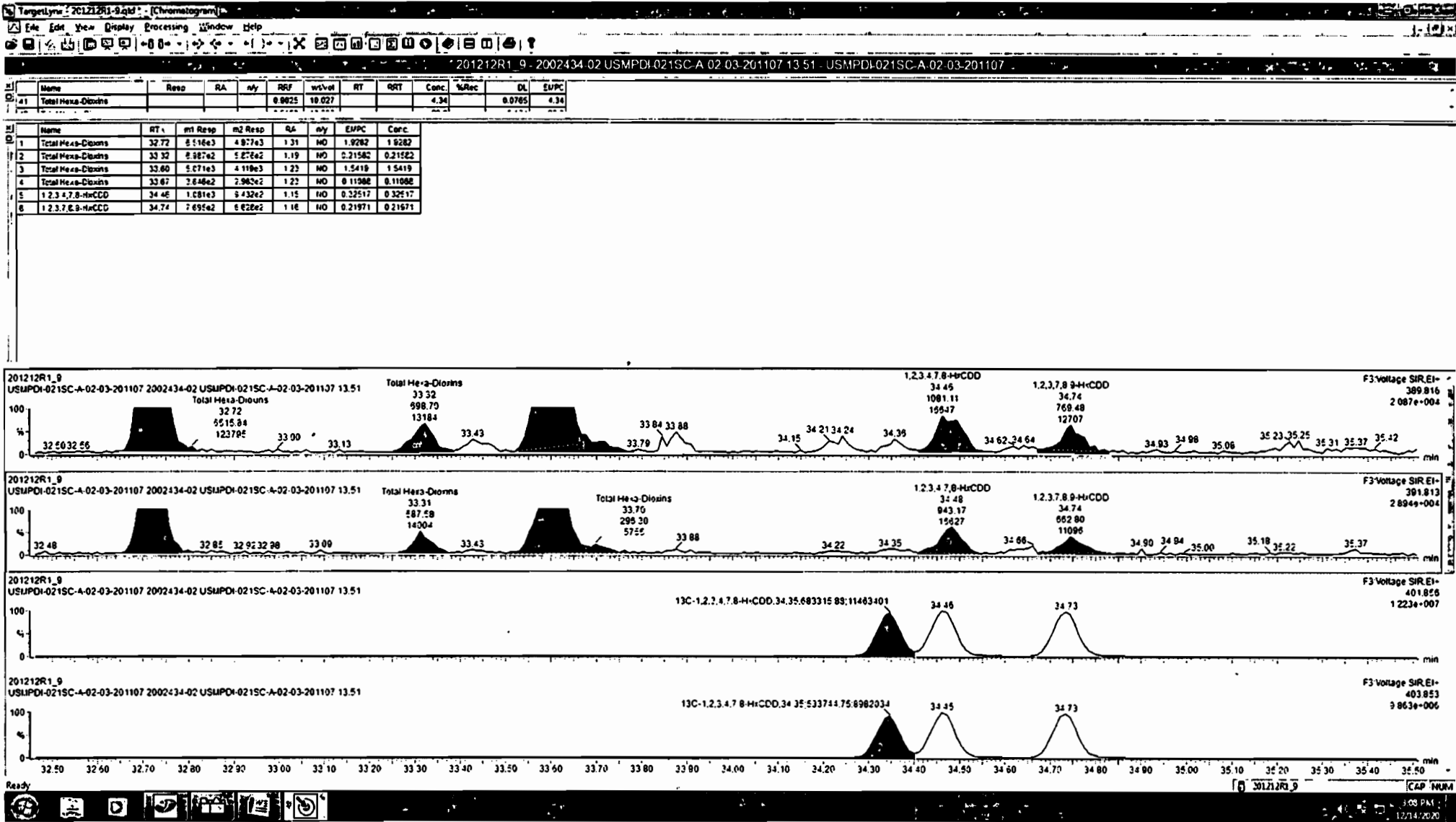
Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

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



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





Dataset: Untitled

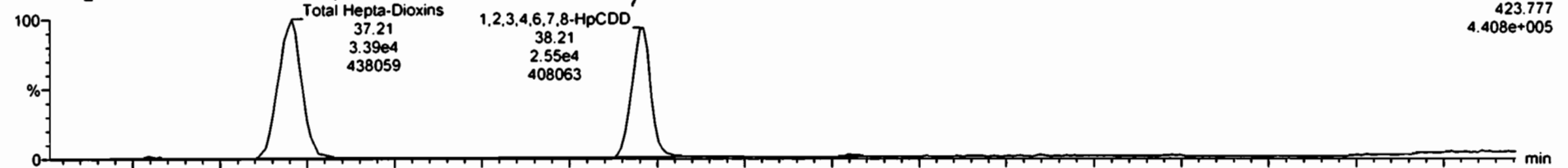
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

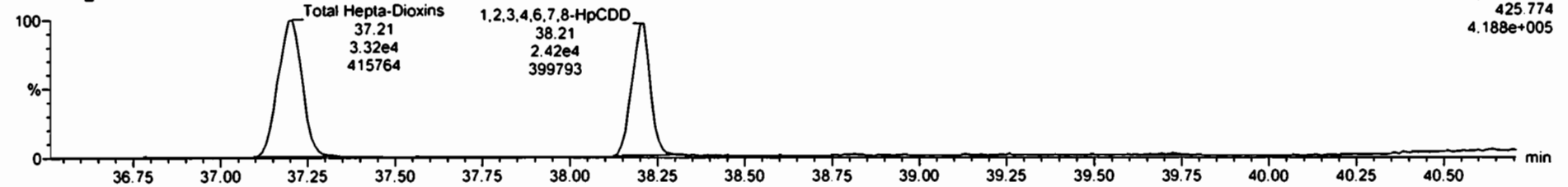
Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

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

201212R1_9

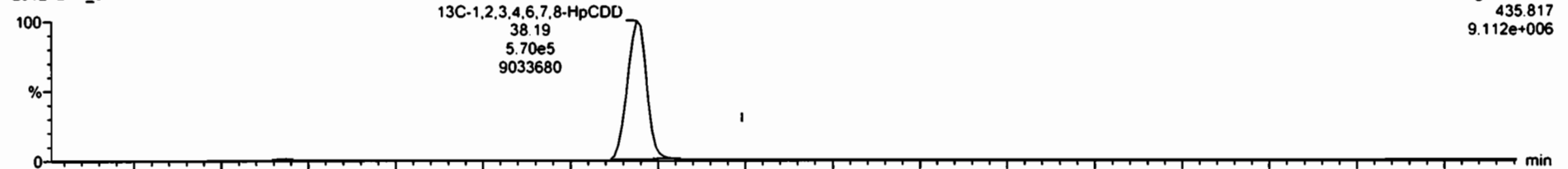


201212R1_9

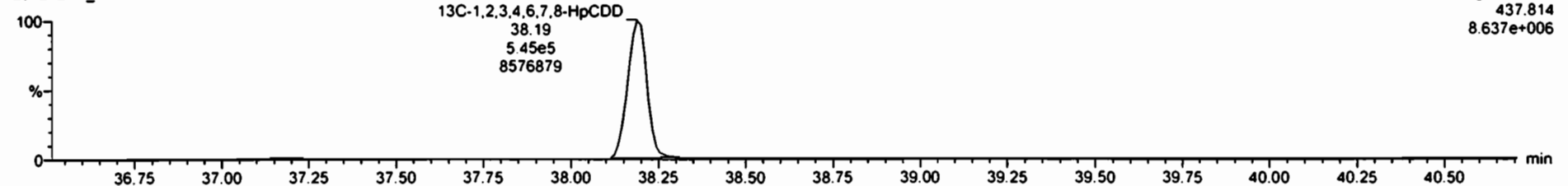


13C-1,2,3,4,6,7,8-HpCDD

201212R1_9



201212R1_9

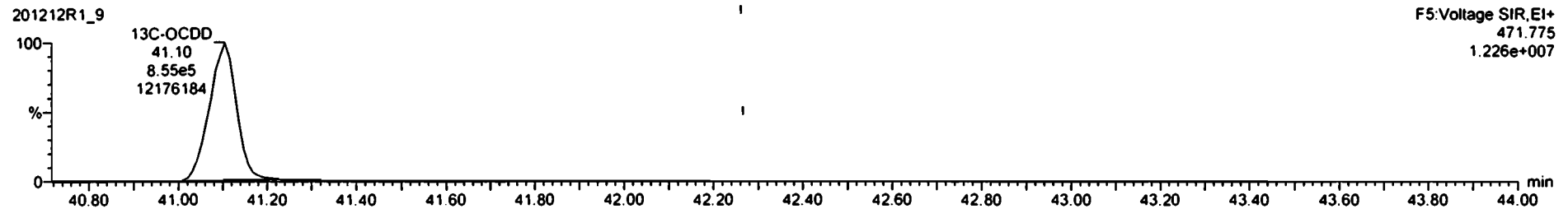
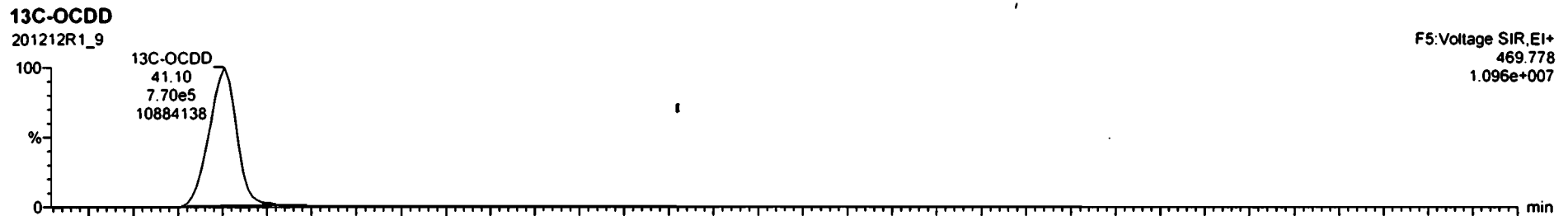
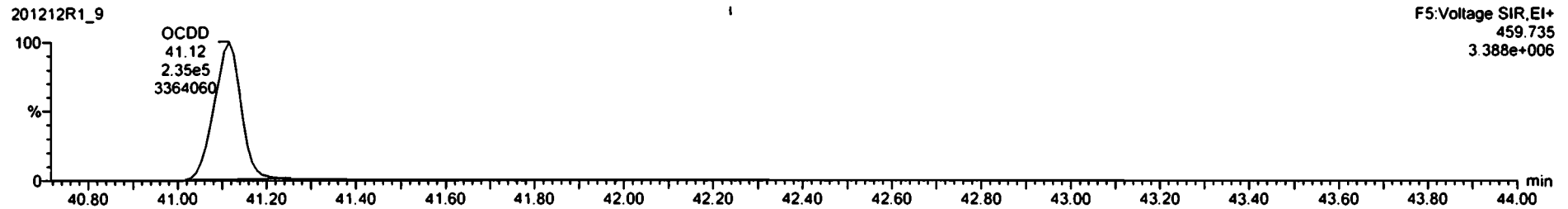


Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

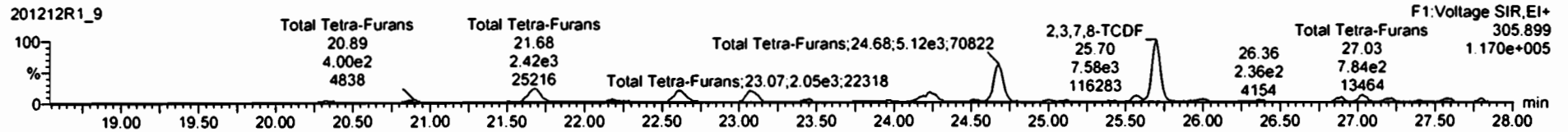
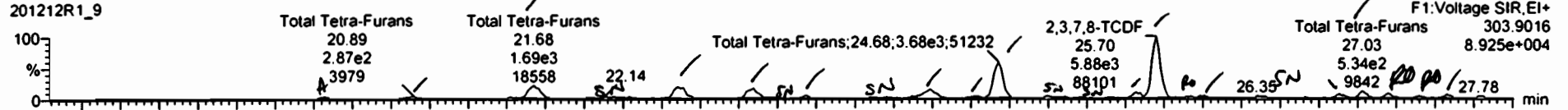


Dataset: Untitled

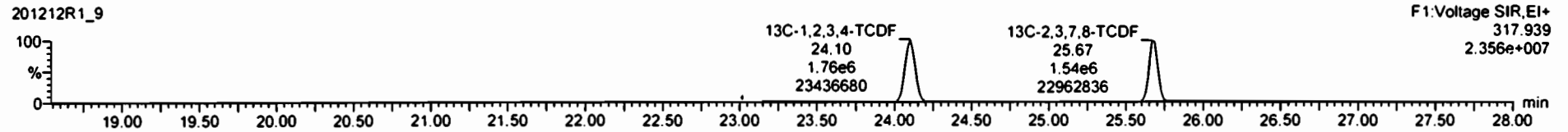
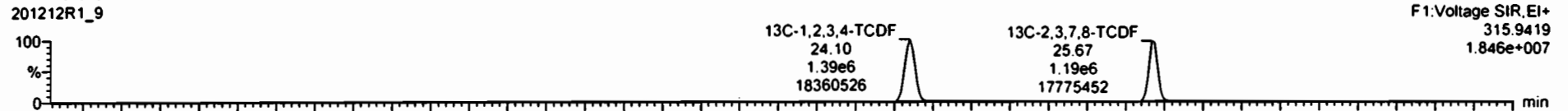
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

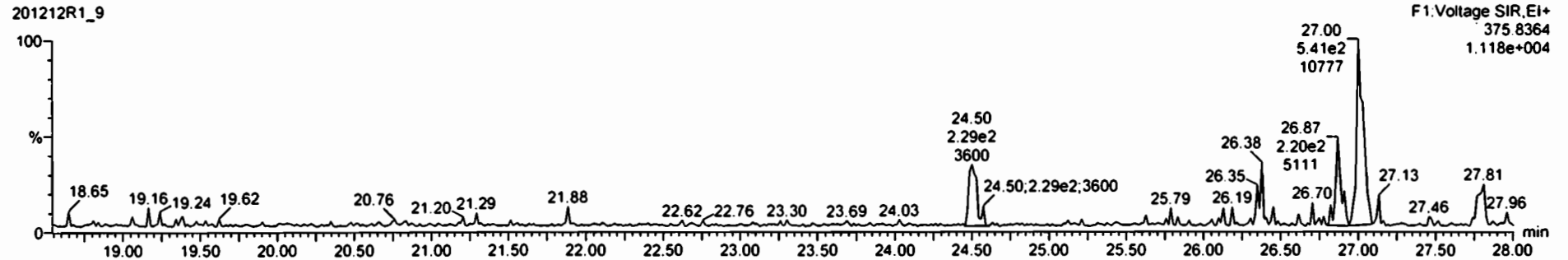
2,3,7,8-TCDF



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

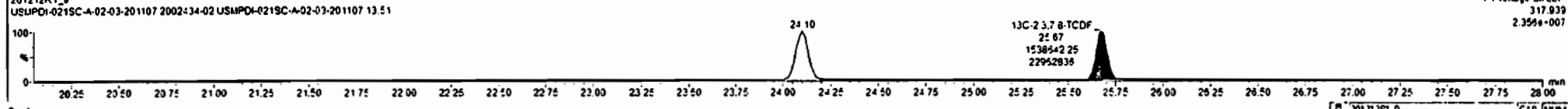
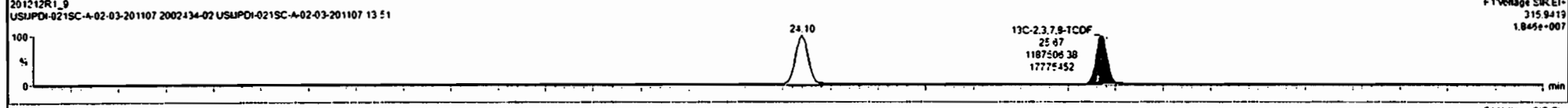
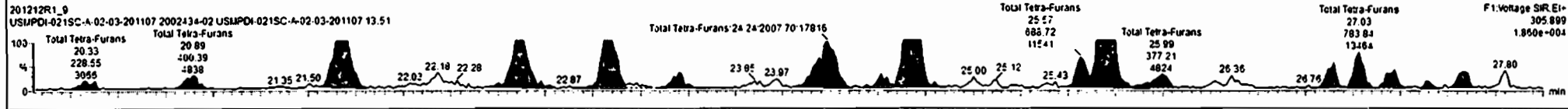
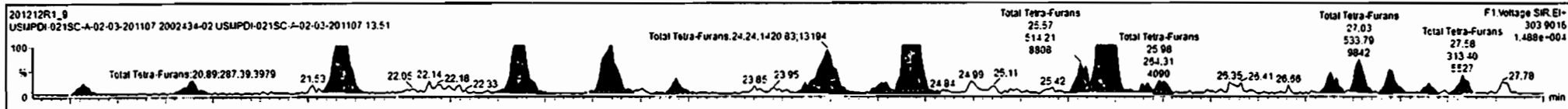


DPE1



Name	Area	RA	n/y	RFI	wt/vol	RT	RRT	Conc.	%Rec	DL	EUPC
43 Total Tetra-Furans					0.2483	10.027		3.80	0.0331	3.91	

Name	RT ₁	m1 Resp	m2 Resp	RA	n/y	EUPC	Conc.
1 Total Tetra-Furans	20.32	1.910e2	2.200e2	0.84	NO	0.032204	0.036204
2 Total Tetra-Furans	20.86	2.874e2	4.001e2	0.72	NO	0.059345	0.059345
3 Total Tetra-Furans	21.66	1.692e3	2.422e3	0.70	NO	0.35498	0.35498
4 Total Tetra-Furans	22.81	1.585e3	2.160e3	0.72	NO	0.32989	0.32989
5 Total Tetra-Furans	23.10	1.271e3	1.915e3	0.66	NO	0.27190	0.27490
6 Total Tetra-Furans	23.41	2.688e2	4.191e2	0.71	NO	0.061950	0.061950
7 Total Tetra-Furans	24.24	1.421e3	2.000e2	0.71	NO	0.23583	0.23683
8 Total Tetra-Furans	24.55	2.445e2	3.045e2	0.80	NO	0.047346	0.047346
9 Total Tetra-Furans	24.68	3.823e3	5.124e2	0.75	NO	0.77191	0.77191
10 Total Tetra-Furans	25.57	5.142e2	6.887e2	0.75	NO	0.10379	0.10379
11 2,3,7,8-TCDF	25.70	5.951e3	7.580e3	0.79	NO	1.1875	1.1875
12 Total Tetra-Furans	25.92	1.193e2	1.251e2	0.93	YES	0.019505	0.00000
13 Total Tetra-Furans	25.98	2.843e2	3.772e2	0.70	NO	0.055353	0.055353
14 Total Tetra-Furans	26.88	3.687e2	4.852e2	0.75	NO	0.074025	0.074025
15 Total Tetra-Furans	27.03	5.338e2	7.626e2	0.68	NO	0.11369	0.11369
16 Total Tetra-Furans	27.19	4.309e2	4.715e2	0.91	YES	0.072011	0.02500
17 Total Tetra-Furans	27.40	1.533e2	1.354e2	1.13	YES	0.020671	0.02200



Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

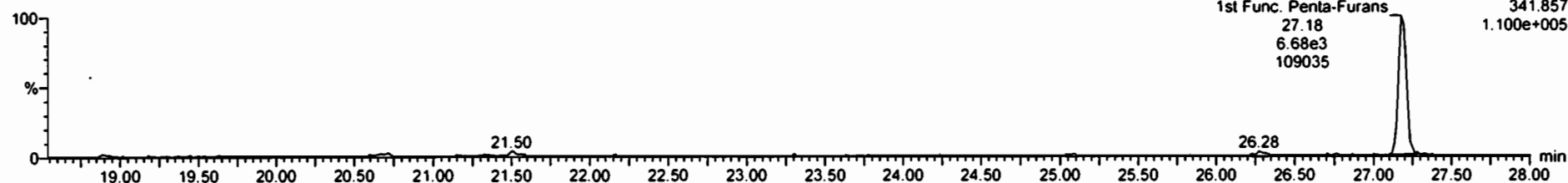
Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

1st Func. Penta-Furans

201212R1_9

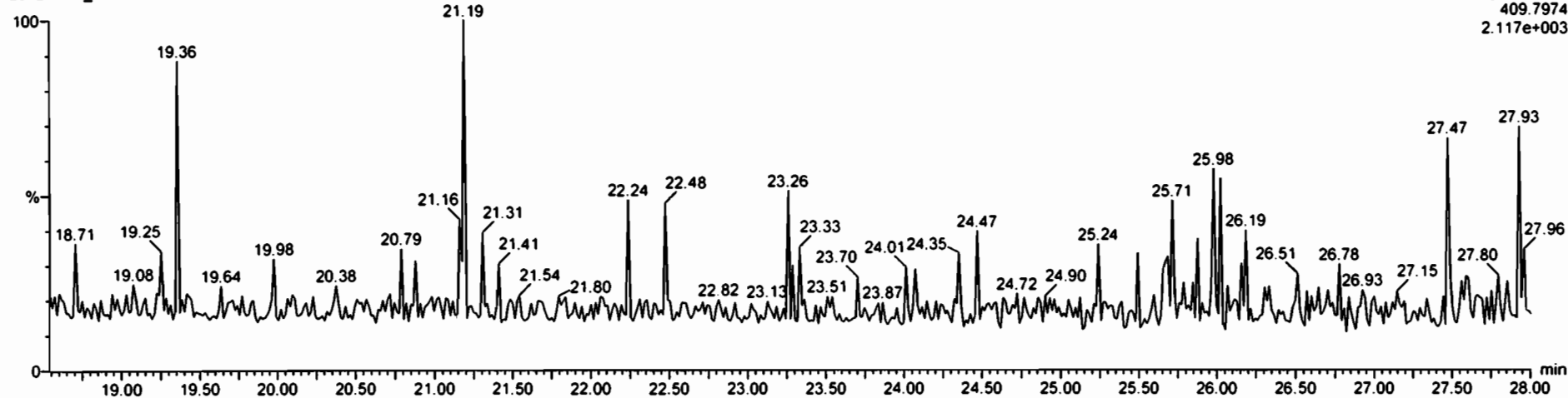


201212R1_9



DPE6

201212R1_9

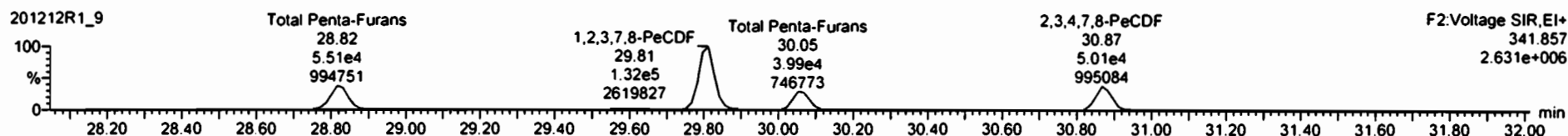
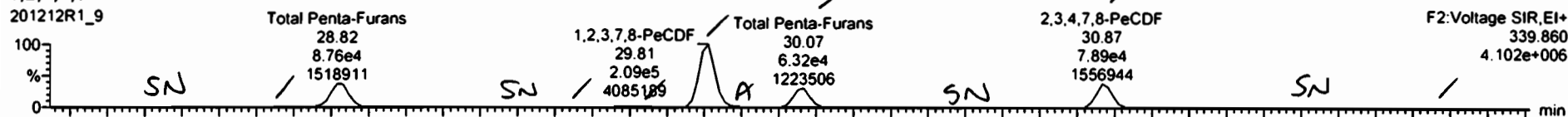


Dataset: Untitled

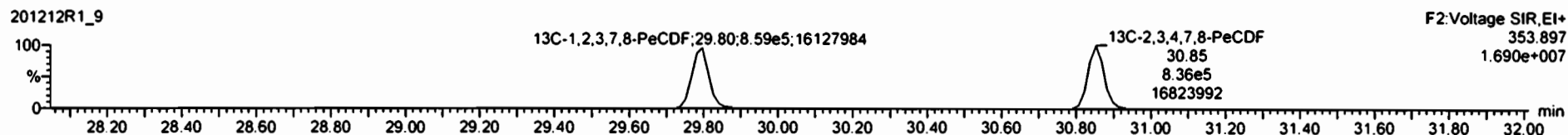
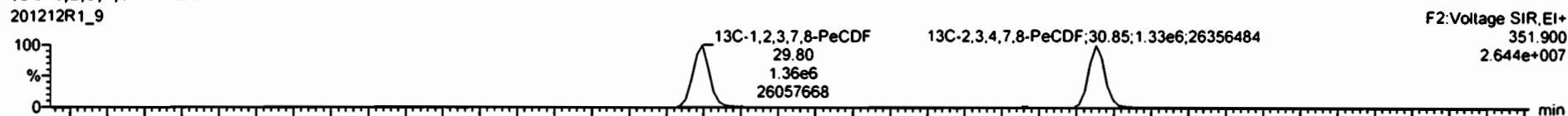
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

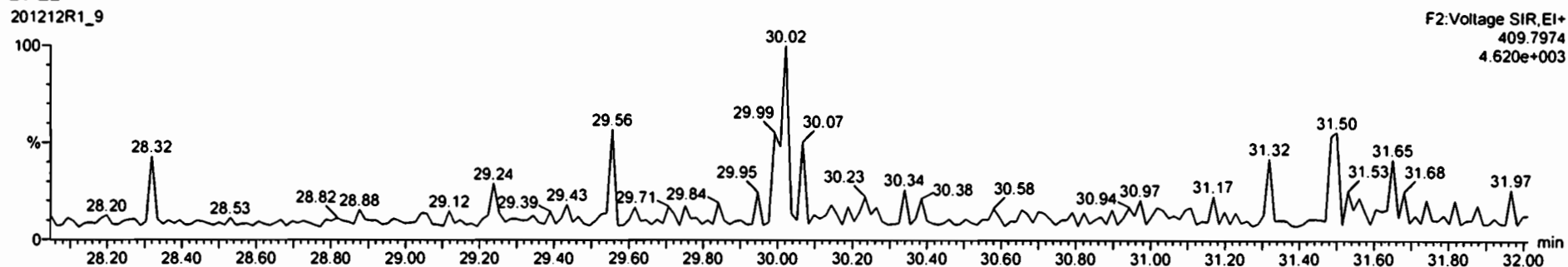
1,2,3,7,8-PeCDF

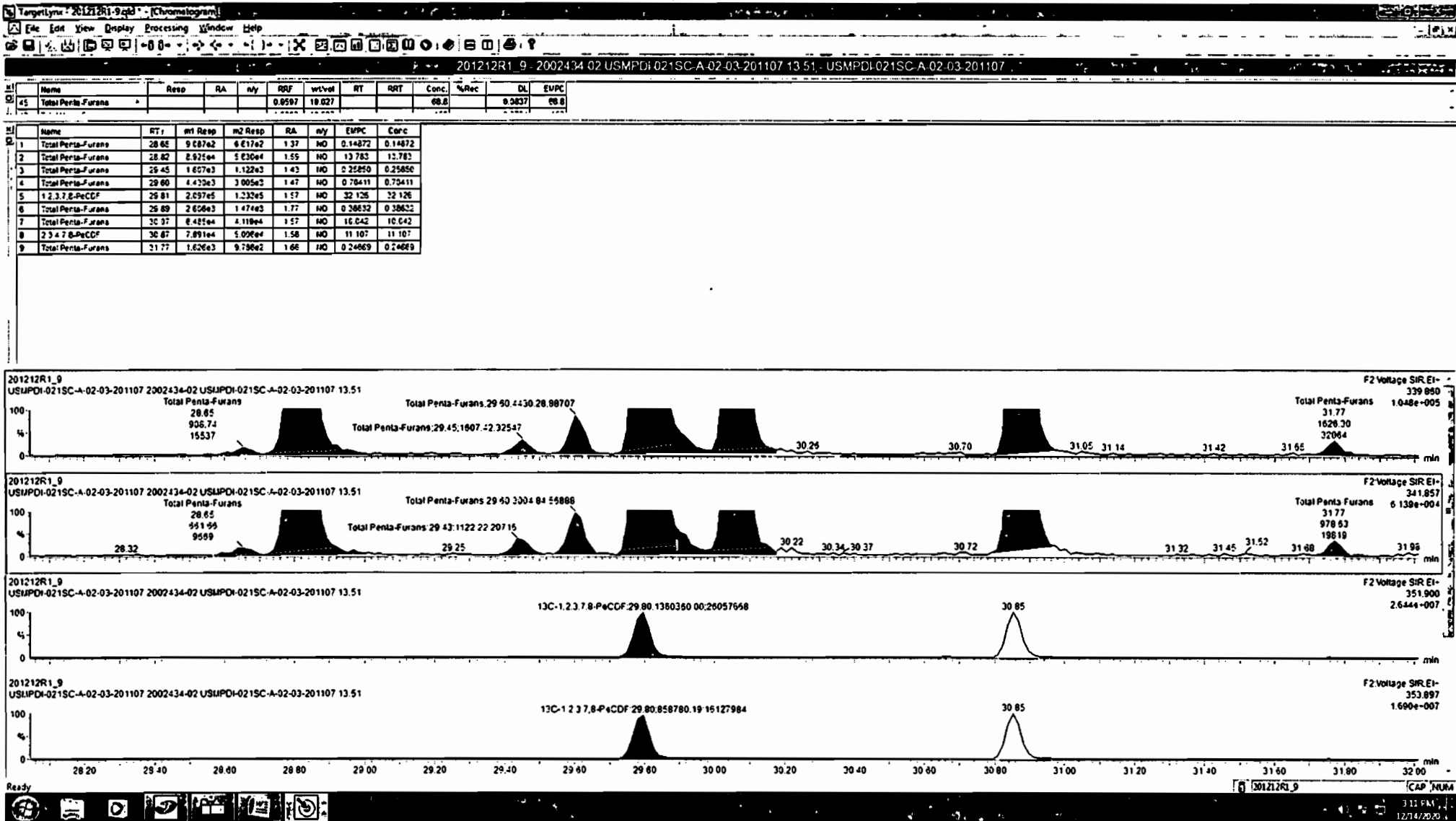


13C-1,2,3,7,8-PeCDF



DPE2





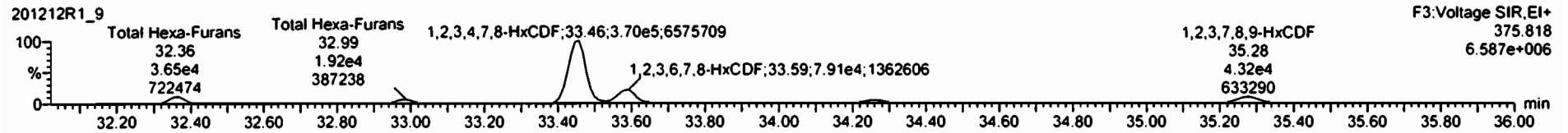
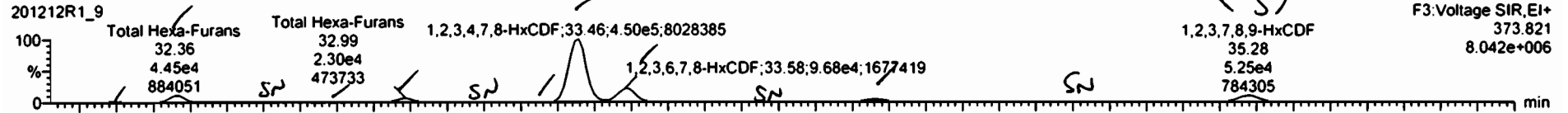
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

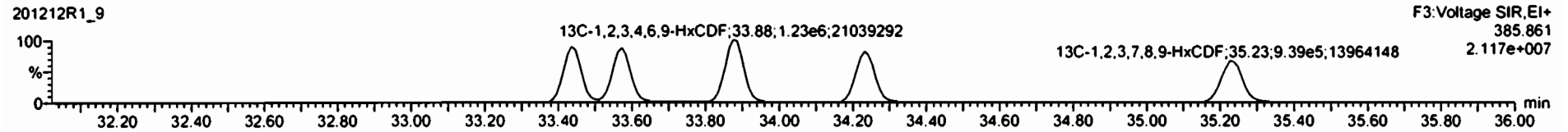
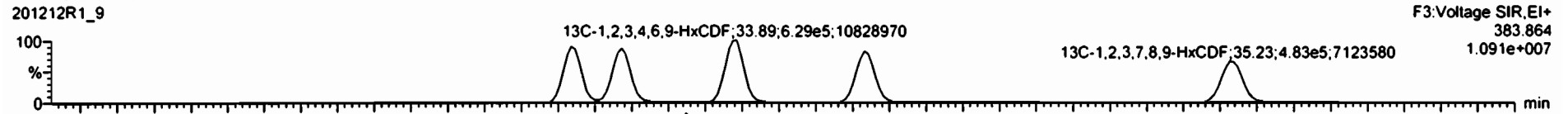
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

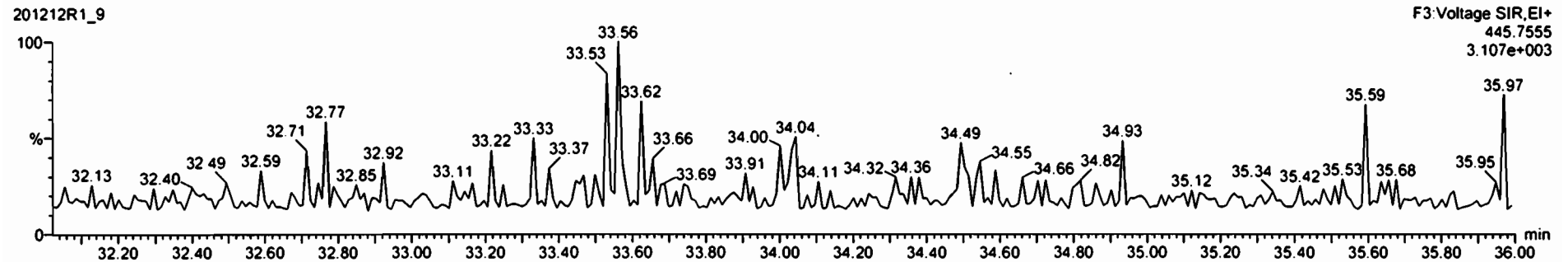
1,2,3,4,7,8-HxCDF



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

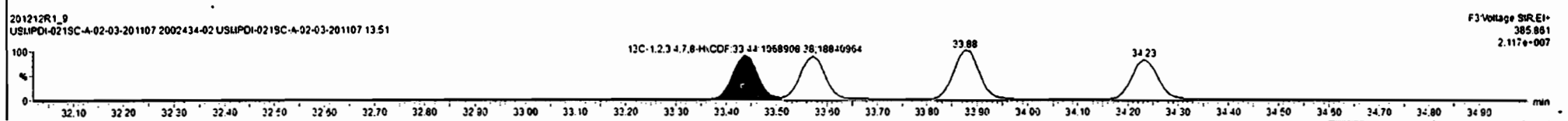
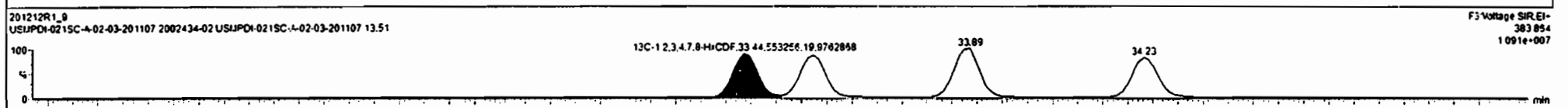
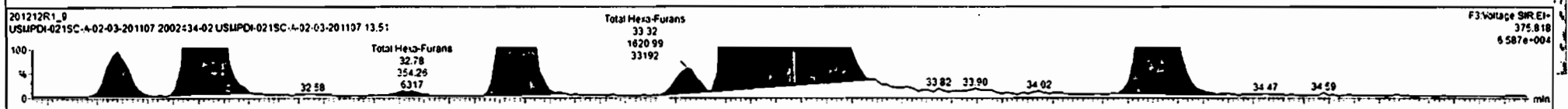
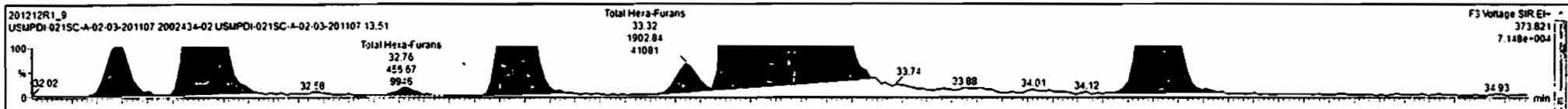


DPE3



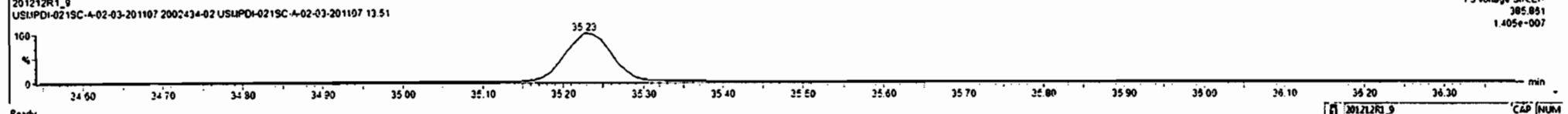
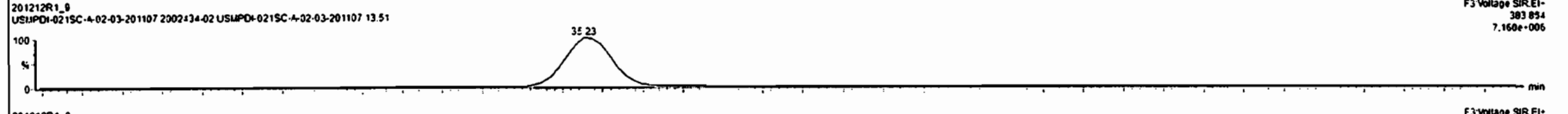
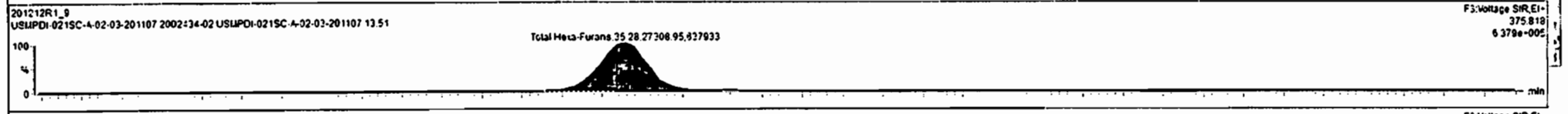
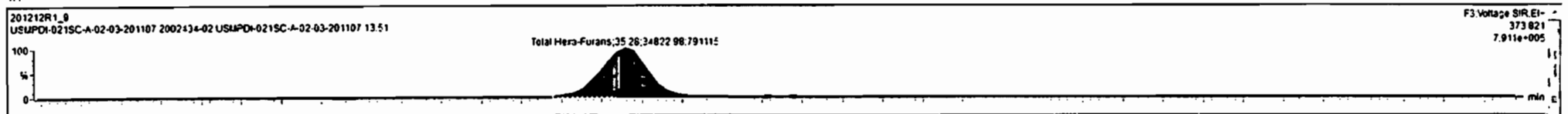
Name	Resp	RA	NY	RF	wt%at	RT	QRT	Conc.	%Rec	DL	EVPC
Total Penta-Furans				0.9197	10.027			68.8	0.0837	58.8	

Name	RT	m1 Resp	m2 Resp	RA	NY	EVPC	Conc.
Total Hexa-Furans	32.19	3.856e3	3.071e3	1.25	NO	2.87419	0.87419
Total Hexa-Furans	32.36	4.445e4	3.645e4	1.22	NO	10.184	10.184
Total Hexa-Furans	32.78	4.567e2	3.547e2	1.25	NO	3.12214	0.10214
Total Hexa-Furans	32.99	2.304e4	1.918e4	1.20	NO	5.3153	5.3153
Total Hexa-Furans	33.32	1.503e3	1.621e3	1.17	NO	0.44283	0.44383
1,2,3,4,7,8-HxCDF	33.46	4.499e5	3.698e5	1.22	NO	102.20	102.20
1,2,3,6,7,8-HxCDF	33.56	9.676e4	7.910e4	1.22	NO	21.096	21.096
2,3,4,6,7,8-HxCDF	34.20	2.136e4	1.773e4	1.21	NO	4.6860	4.6860
1,2,3,7,8-HxCDF	35.20	5.254e4	4.324e4	1.22	NO	13.563	13.563



Name	Resp	RA	ny	RRF	wtVel	RT	RRT	Conc.	%Rec	DL	EMPC
Total Penta-Furans				0.5597	10.027			88.8		0.0837	58.8

Name	RT	m1 Resp	m2 Resp	RA	ny	EMPC	Conc.
1 Total Hexa-Furans	32.18	3.860e3	3.075e3	1.25	NO	0.87419	0.87419
2 Total Hexa-Furans	32.36	4.448e4	3.848e4	1.22	NO	16.184	16.184
3 Total Hexa-Furans	32.78	4.587e2	3.547e2	1.29	NO	0.12214	0.12214
4 Total Hexa-Furans	32.99	2.304e4	1.918e4	1.20	NO	5.3153	5.3153
5 Total Hexa-Furans	33.32	1.803e3	1.621e3	1.17	NO	2.44282	0.44383
6 1,2,3,4,7,8-HxCDF	33.46	4.495e1	3.898e1	1.22	NO	162.26	162.26
7 1,2,3,6,7,8-HxCDF	33.58	9.876e4	7.910e4	1.22	NO	21.096	21.096
8 2,3,4,6,7,8-HxCDF	34.26	2.178e4	1.773e4	1.21	NO	4.8866	4.8866
9 1,2,3,7,8,9-HxCDF	35.27	1.951e4	1.697e4	1.15	NO	5.1859	5.1859
10 Total Hexa-Furans	35.26	3.482e4	2.731e4	1.28	NO	7.8255	7.8255



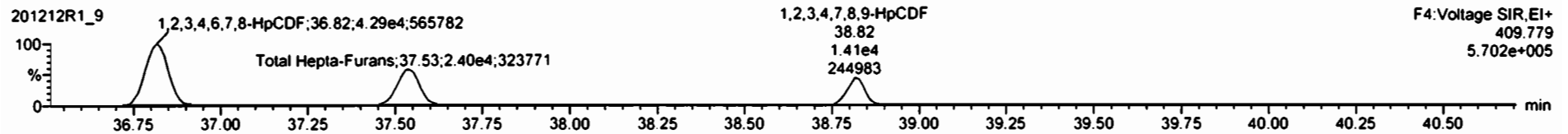
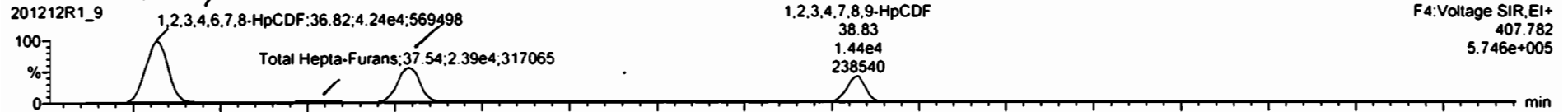
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

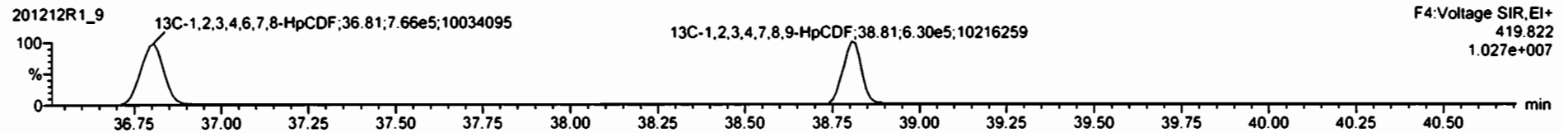
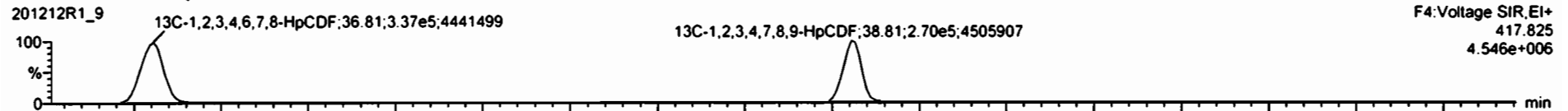
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

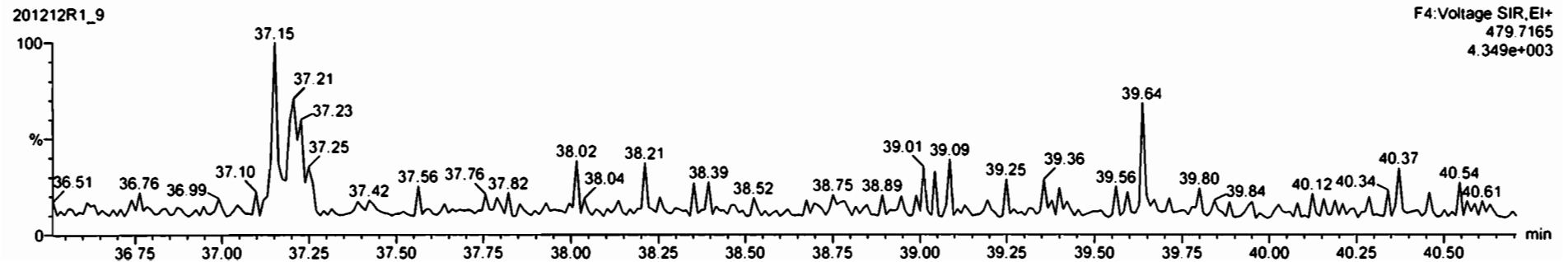
1,2,3,4,6,7,8-HpCDF



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

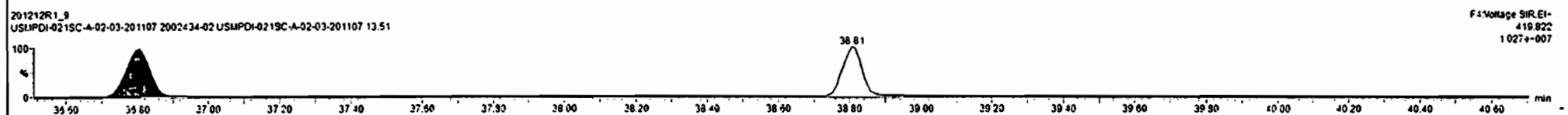
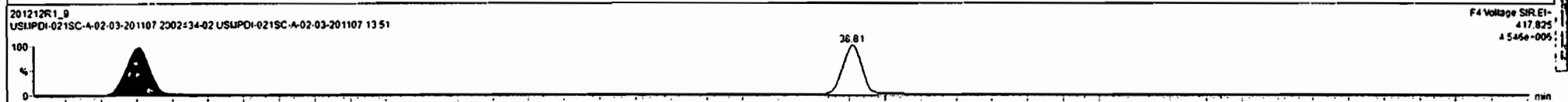
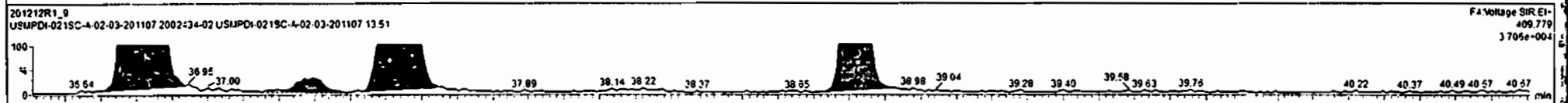
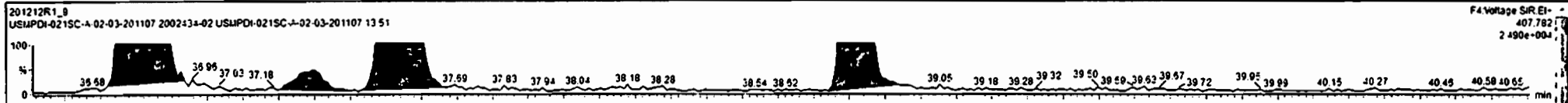


DPE4



Name	Resp	RA	ny	RRF	wVvol	RT	RRT	Conc.	%Rec	DL	EMPC
Total Hepta-Furans	-	1.0482	18.027	-	-	-	-	29.5	0.0974	29.5	-

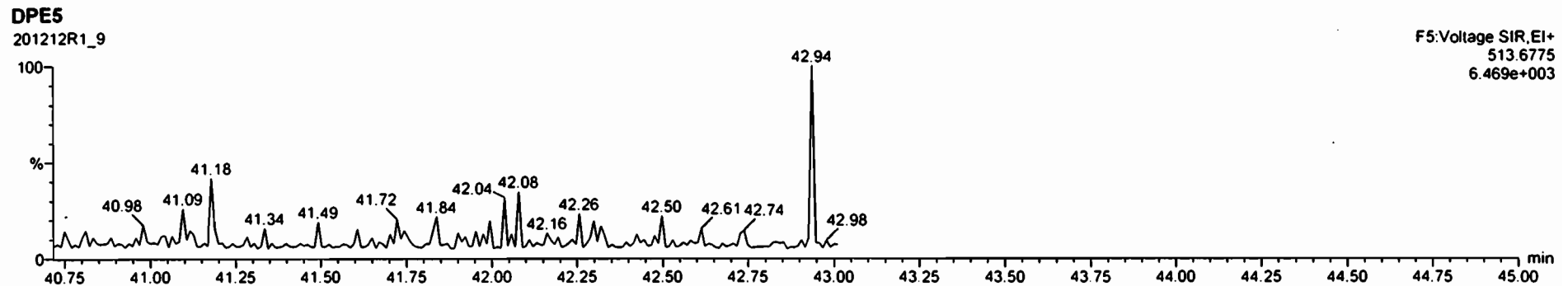
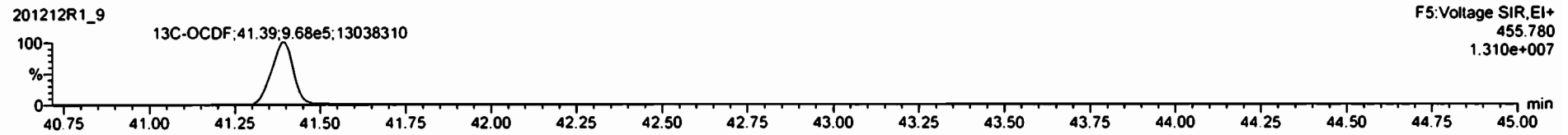
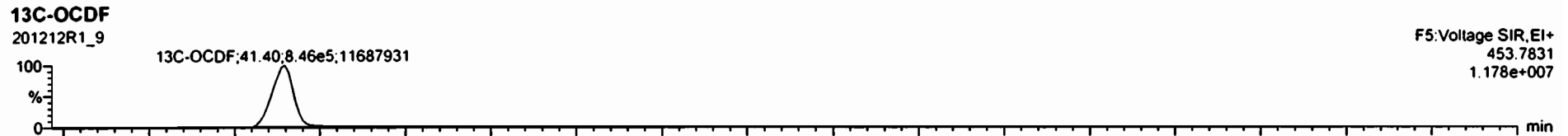
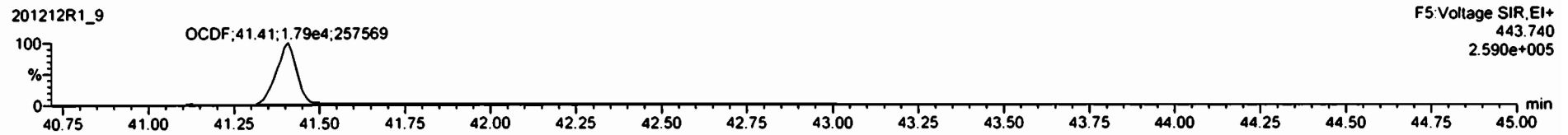
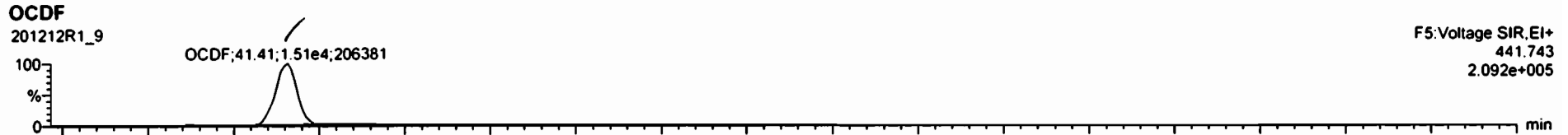
Name	RT	m1 Resp	m2 Resp	RA	ny	EMPC	Conc.
1,2,3,4,6,7,8-MeCDF	36.82	4.242e4	4.292e4	0.99	NO	14.708	14.708
Total Hepta-Furans	37.29	2.937e2	9.113e2	0.98	NO	2.34263	6.34263
Total Hepta-Furans	37.54	2.385e4	2.387e4	1.00	NO	8.0952	9.0552
1,2,3,4,7,8,9-MeCDF	36.83	1.443e4	1.406e4	1.33	NO	5.3687	5.3687



Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107

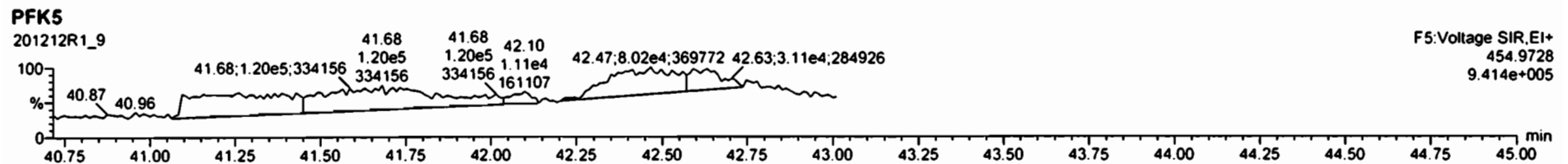
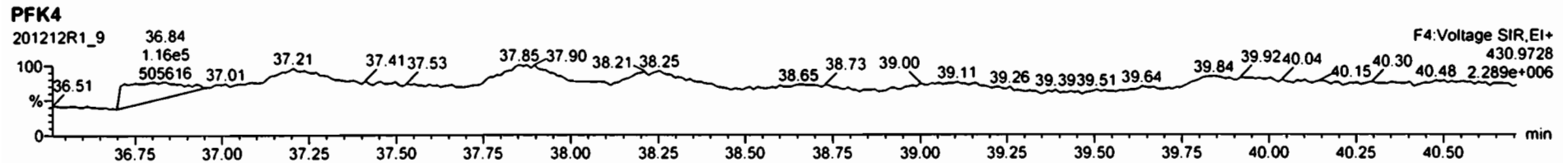
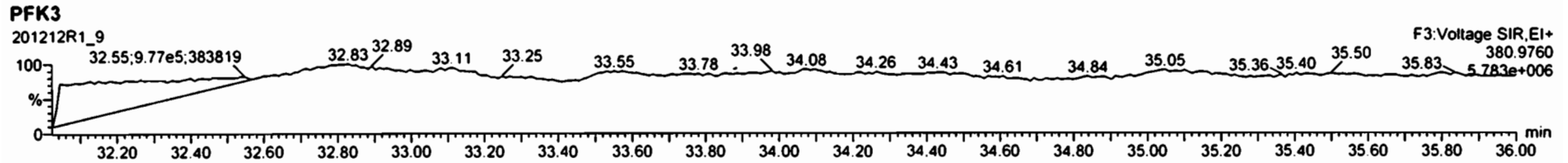
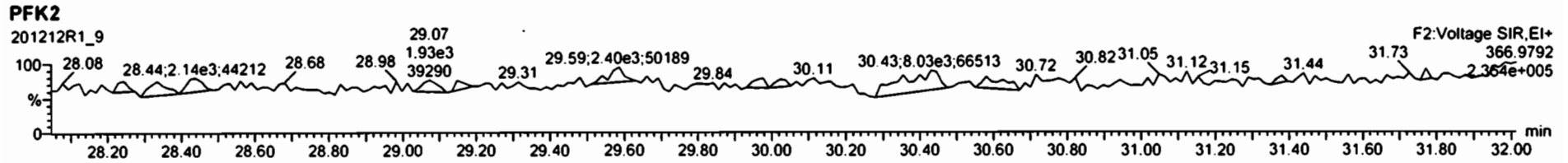
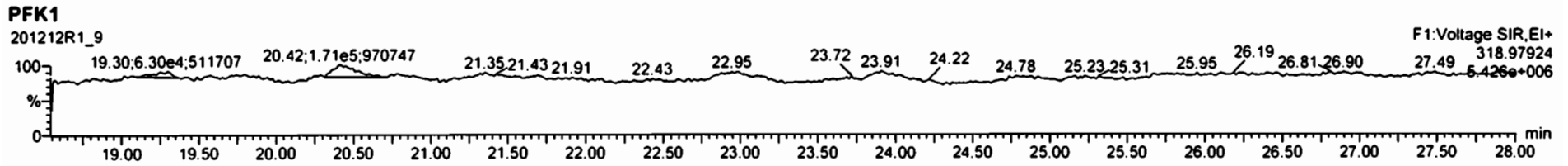


Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_9, Date: 12-Dec-2020, Time: 17:43:49, ID: 2002434-02 USMPDI-021SC-A-02-03-201107 13.51, Description: USMPDI-021SC-A-02-03-201107



Dataset: U:\VG12.PRO\Results\201212R1\201212R1-10.qld

Last Altered: Tuesday, December 15, 2020 9:38:59 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 9:39:32 AM Pacific Standard Time

GPB 12/15/2020

*Mum
02/3/20*

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	7.69e3	0.63	YES	0.980	10.054	26.396	26.38	1.001	1.001	0.66854		0.0205	0.595
2	1,2,3,7,8-PeCDD	5.28e3	0.60	NO	0.932	10.054	31.079	31.06	1.001	1.000	0.61555		0.0798	0.616
3	1,2,3,4,7,8-HxCDD	1.43e3	1.13	NO	1.02	10.054	34.368	34.37	1.001	1.001	0.19001		0.106	0.190
4	1,2,3,6,7,8-HxCDD	9.47e3	1.17	NO	0.902	10.054	34.494	34.48	1.001	1.000	1.2848		0.111	1.28
5	1,2,3,7,8,9-HxCDD	6.27e3	1.14	NO	0.954	10.054	34.745	34.76	1.000	1.001	0.81236		0.109	0.812
6	1,2,3,4,6,7,8-HpCDD	2.52e5	1.03	NO	0.918	10.054	38.211	38.22	1.000	1.001	41.786		0.419	41.8
7	OCDD	2.26e6	0.88	NO	0.866	10.054	41.124	41.13	1.000	1.000	572.85		0.366	573
8	2,3,7,8-TCDF	8.30e4	0.72	NO	0.848	10.054	25.687	25.70	1.000	1.001	6.1067		0.0290	6.11
9	1,2,3,7,8-PeCDF	1.38e5	1.57	NO	0.960	10.054	29.800	29.81	1.000	1.000	10.826		0.0448	10.8
10	2,3,4,7,8-PeCDF	9.78e4	1.58	NO	1.07	10.054	30.889	30.88	1.001	1.000	7.1257		0.0424	7.13
11	1,2,3,4,7,8-HxCDF	1.47e5	1.22	NO	0.986	10.054	33.457	33.46	1.000	1.000	15.526		0.0602	15.5
12	1,2,3,6,7,8-HxCDF	3.81e4	1.22	NO	1.04	10.054	33.603	33.59	1.001	1.000	3.8284		0.0583	3.83
13	2,3,4,6,7,8-HxCDF	1.44e4	1.20	NO	1.02	10.054	34.264	34.26	1.001	1.001	1.5366		0.0651	1.54
14	1,2,3,7,8,9-HxCDF	3.79e3	1.13	NO	0.991	10.054	35.248	35.26	1.000	1.001	0.44301		0.0782	0.443
15	1,2,3,4,6,7,8-HpCDF	1.23e5	0.98	NO	1.05	10.054	36.824	36.83	1.000	1.001	17.999		0.123	18.0
16	1,2,3,4,7,8,9-HpCDF	1.64e4	1.03	NO	1.18	10.054	38.839	38.84	1.000	1.000	2.6452		0.100	2.65
17	OCDF	1.63e5	0.86	NO	0.896	10.054	41.417	41.42	1.000	1.000	35.666		0.108	35.7
18	13C-2,3,7,8-TCDD	2.33e6	0.78	NO	1.06	10.054	26.383	26.36	1.030	1.029	197.89	99.5	0.0804	
19	13C-1,2,3,7,8-PeCDD	1.83e6	0.63	NO	0.785	10.054	31.229	31.05	1.219	1.212	208.95	105	0.107	
20	13C-1,2,3,4,7,8-HxCDD	1.47e6	1.28	NO	0.621	10.054	34.348	34.35	1.014	1.014	216.48	109	0.319	
21	13C-1,2,3,6,7,8-HxCDD	1.62e6	1.27	NO	0.734	10.054	34.470	34.47	1.017	1.017	202.46	102	0.270	
22	13C-1,2,3,7,8,9-HxCDD	1.61e6	1.26	NO	0.723	10.054	34.755	34.74	1.026	1.025	203.71	102	0.274	
23	13C-1,2,3,4,6,7,8-HpCDD	1.31e6	1.04	NO	0.568	10.054	38.255	38.20	1.129	1.127	210.35	106	0.548	
24	13C-OCDD	1.81e6	0.90	NO	0.496	10.054	41.193	41.12	1.216	1.213	334.76	84.1	0.434	
25	13C-2,3,7,8-TCDF	3.19e6	0.78	NO	0.919	10.054	25.682	25.68	1.003	1.003	195.69	98.4	0.0799	
26	13C-1,2,3,7,8-PeCDF	2.65e6	1.57	NO	0.715	10.054	29.938	29.80	1.169	1.163	208.63	105	0.181	
27	13C-2,3,4,7,8-PeCDF	2.56e6	1.59	NO	0.689	10.054	31.027	30.87	1.212	1.205	209.66	105	0.188	
28	13C-1,2,3,4,7,8-HxCDF	1.91e6	0.51	NO	0.873	10.054	33.453	33.45	0.987	0.987	199.95	101	0.318	
29	13C-1,2,3,6,7,8-HxCDF	1.90e6	0.51	NO	0.933	10.054	33.582	33.58	0.991	0.991	186.49	93.7	0.297	
30	13C-2,3,4,6,7,8-HxCDF	1.83e6	0.51	NO	0.843	10.054	34.250	34.24	1.011	1.011	198.37	99.7	0.329	
31	13C-1,2,3,7,8,9-HxCDF	1.72e6	0.51	NO	0.780	10.054	35.249	35.24	1.040	1.040	201.50	101	0.356	

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-10.qld

Last Altered: Tuesday, December 15, 2020 9:38:59 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 9:39:32 AM Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

#	Name	Resp	RA	NY	RRF	wVol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.30e6	0.44	NO	0.726	10.054	36.825	36.81	1.087	1.086	163.06	82.0	0.343	
33	13C-1,2,3,4,7,8,9-HpCDF	1.05e6	0.44	NO	0.491	10.054	38.835	38.83	1.146	1.146	195.48	98.3	0.507	
34	13C-OCDF	2.03e6	0.88	NO	0.565	10.054	41.410	41.41	1.222	1.222	328.08	82.5	0.363	
35	37Cl-2,3,7,8-TCDD	1.06e6			1.22	10.054	26.378	26.39	1.030	1.031	78.084	98.1	0.0277	
36	13C-1,2,3,4-TCDD	2.22e6	0.79	NO	1.00	10.054	25.640	25.61	1.000	1.000	198.93	100	0.0848	
37	13C-1,2,3,4-TCDF	3.53e6	0.79	NO	1.00	10.054	24.130	24.10	1.000	1.000	198.93	100	0.0734	
38	13C-1,2,3,4,6,9-HxCDF	2.18e6	0.51	NO	1.00	10.054	33.920	33.89	1.000	1.000	198.93	100	0.277	
39	Total Tetra-Dioxins				0.980	10.054	24.620		0.000		4.1667		0.0205	5.01
40	Total Penta-Dioxins				0.932	10.054	29.960		0.000		4.4233		0.0798	4.98
41	Total Hexa-Dioxins				0.902	10.054	33.635		0.000		14.588		0.115	14.6
42	Total Hepta-Dioxins				0.918	10.054	37.640		0.000		95.644		0.419	95.6
43	Total Tetra-Furans				0.848	10.054	23.610		0.000		19.650		0.0290	20.0
44	1st Func. Penta-Furans				0.960	10.054	26.930		0.000		4.5925		0.0145	4.59
45	Total Penta-Furans				0.960	10.054	29.275		0.000		33.864		0.0459	33.9
46	Total Hexa-Furans				1.02	10.054	33.555		0.000		36.730		0.0644	36.7
47	Total Hepta-Furans				1.05	10.054	37.835		0.000		44.873		0.118	44.9

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-10.qld

Last Altered: Tuesday, December 15, 2020 9:38:59 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 9:39:32 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
 Calibration: U:\VG12.PRO\CurveDB\ddbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

Tetra-Dioxins

#	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	22.59	5.616e4	7.477e4	4.727e3	6.308e3	0.75	NO	1.103e4	0.95945	0.95945	0.0205
2	Total Tetra-Dioxins	22.93	1.016e4	1.540e4	9.735e2	1.154e3	0.84	NO	2.128e3	0.18501	0.18501	0.0205
3	Total Tetra-Dioxins	23.47	1.011e4	1.305e4	8.130e2	9.792e2	0.83	NO	1.792e3	0.15582	0.15582	0.0205
4	Total Tetra-Dioxins	24.28	1.071e4	1.150e4	8.643e2	9.813e2	0.88	NO	1.846e3	0.16046	0.16046	0.0205
5	Total Tetra-Dioxins	24.53	9.856e3	1.317e4	1.009e3	1.181e3	0.85	NO	2.190e3	0.19043	0.19043	0.0205
6	Total Tetra-Dioxins	24.75	2.269e4	2.663e4	1.592e3	2.006e3	0.79	NO	3.598e3	0.31282	0.31282	0.0205
7	Total Tetra-Dioxins	24.96	6.617e3	6.793e3	3.866e2	4.759e2	0.81	NO	8.625e2	0.074995	0.074995	0.0205
8	Total Tetra-Dioxins	25.24	9.660e3	1.237e4	5.252e2	6.520e2	0.81	NO	1.177e3	0.10236	0.10236	0.0205
9	Total Tetra-Dioxins	25.34	2.373e4	3.446e4	1.886e3	2.295e3	0.82	NO	4.181e3	0.36354	0.36354	0.0205
10	Total Tetra-Dioxins	25.70	2.025e4	2.038e4	1.506e3	1.582e3	0.95	YES	0.000e0	0.00000	0.24347	0.0205
11	Total Tetra-Dioxins	26.10	1.813e4	1.923e4	1.885e3	2.204e3	0.86	NO	4.089e3	0.35552	0.35552	0.0205
12	2,3,7,8-TCDD	26.38	4.629e4	8.091e4	2.979e3	4.708e3	0.63	YES	7.687e3	0.00000	0.59532	0.0205
13	Total Tetra-Dioxins	26.70	6.419e4	8.271e4	4.043e3	5.258e3	0.77	NO	9.301e3	0.80868	0.80868	0.0205
14	Total Tetra-Dioxins	26.85	7.540e3	1.032e4	4.501e2	6.813e2	0.66	NO	1.131e3	0.098369	0.098369	0.0205
15	Total Tetra-Dioxins	27.28	3.358e4	4.521e4	2.043e3	2.549e3	0.80	NO	4.592e3	0.39925	0.39925	0.0205

Penta-Dioxins

#	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	28.82	4.357e4	5.938e4	3.127e3	5.047e3	0.62	NO	8.174e3	0.95262	0.95262	0.0798
2	Total Penta-Dioxins	29.28	2.867e4	4.064e4	1.897e3	2.024e3	0.94	YES	0.000e0	0.00000	0.38447	0.0798
3	Total Penta-Dioxins	29.81	4.614e4	6.065e4	2.323e3	3.234e3	0.72	NO	5.557e3	0.64756	0.64756	0.0798
4	Total Penta-Dioxins	29.98	2.290e4	3.594e4	6.486e2	1.017e3	0.64	NO	1.665e3	0.19407	0.19407	0.0798
5	Total Penta-Dioxins	30.04	2.327e4	4.015e4	1.642e3	2.709e3	0.61	NO	4.351e3	0.50707	0.50707	0.0798
6	Total Penta-Dioxins	30.29	3.205e4	5.477e4	2.587e3	4.309e3	0.60	NO	6.896e3	0.80357	0.80357	0.0798
7	1,2,3,7,8-PeCDD	31.06	3.653e4	6.527e4	1.985e3	3.297e3	0.60	NO	5.282e3	0.61555	0.61555	0.0798
8	Total Penta-Dioxins	31.14	1.393e4	1.856e4	6.630e2	8.911e2	0.74	YES	0.000e0	0.00000	0.16927	0.0798
9	Total Penta-Dioxins	31.42	4.718e4	7.734e4	2.233e3	3.799e3	0.59	NO	6.032e3	0.70291	0.70291	0.0798

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-10.qld

Last Altered: Tuesday, December 15, 2020 9:38:59 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 9:39:32 AM Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Dioxins	32.72	4.629e5	3.990e5	2.307e4	1.919e4	1.20	NO	4.227e4	5.9423	5.9423	0.115
2 Total Hexa-Dioxins	33.33	4.992e4	3.755e4	2.602e3	1.933e3	1.35	NO	4.535e3	0.63758	0.63758	0.115
3 Total Hexa-Dioxins	33.61	2.982e5	2.324e5	2.102e4	1.659e4	1.27	NO	3.761e4	5.2875	5.2875	0.115
4 Total Hexa-Dioxins	33.69	1.941e4	1.381e4	8.907e2	6.732e2	1.32	NO	1.564e3	0.21987	0.21987	0.115
5 1,2,3,4,7,8-HxCDD	34.37	1.252e4	1.085e4	7.595e2	6.718e2	1.13	NO	1.431e3	0.19001	0.19001	0.106
6 1,2,3,6,7,8-HxCDD	34.48	8.904e4	6.983e4	5.099e3	4.372e3	1.17	NO	9.471e3	1.2848	1.2848	0.111
7 Total Hexa-Dioxins	34.62	1.057e4	1.143e4	7.922e2	7.236e2	1.09	NO	1.516e3	0.21312	0.21312	0.115
8 1,2,3,7,8,9-HxCDD	34.76	5.874e4	5.002e4	3.348e3	2.924e3	1.14	NO	6.272e3	0.81236	0.81236	0.109

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.21	2.159e6	2.080e6	1.642e5	1.604e5	1.02	NO	3.245e5	53.858	53.858	0.419
2 1,2,3,4,6,7,8-HpCDD	38.22	2.103e6	2.029e6	1.280e5	1.238e5	1.03	NO	2.518e5	41.786	41.786	0.419

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-10.qld

Last Altered: Tuesday, December 15, 2020 9:38:59 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 9:39:32 AM Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1/Resp	m2 Resp	RA	iny	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	20.35	5.782e3	6.275e3	4.959e2	5.894e2	0.84	NO	1.085e3	0.079839	0.079839	0.0290
2	Total Tetra-Furans	20.89	1.333e4	1.459e4	9.802e2	1.332e3	0.74	NO	2.312e3	0.17009	0.17009	0.0290
3	Total Tetra-Furans	21.69	5.563e4	8.450e4	5.254e3	7.241e3	0.73	NO	1.250e4	0.91925	0.91925	0.0290
4	Total Tetra-Furans	22.08	4.603e3	6.008e3	4.040e2	5.469e2	0.74	NO	9.508e2	0.069948	0.069948	0.0290
5	Total Tetra-Furans	22.18	1.037e4	1.557e4	1.036e3	1.410e3	0.73	NO	2.445e3	0.17989	0.17989	0.0290
6	Total Tetra-Furans	22.28	8.996e3	1.124e4	5.172e2	6.557e2	0.79	NO	1.173e3	0.086282	0.086282	0.0290
7	Total Tetra-Furans	22.62	1.078e5	1.443e5	1.011e4	1.376e4	0.74	NO	2.387e4	1.7559	1.7559	0.0290
8	Total Tetra-Furans	23.10	5.776e4	8.708e4	5.102e3	7.161e3	0.71	NO	1.226e4	0.90214	0.90214	0.0290
9	Total Tetra-Furans	23.24	5.650e3	8.164e3	3.956e2	4.601e2	0.86	NO	8.558e2	0.062955	0.062955	0.0290
10	Total Tetra-Furans	23.45	1.915e4	2.110e4	1.376e3	1.573e3	0.88	NO	2.949e3	0.21692	0.21692	0.0290
11	Total Tetra-Furans	23.82	2.861e3	6.251e3	2.624e2	3.974e2	0.66	NO	6.598e2	0.048540	0.048540	0.0290
12	Total Tetra-Furans	24.00	5.565e3	7.490e3	3.827e2	5.792e2	0.66	NO	9.619e2	0.070762	0.070762	0.0290
13	Total Tetra-Furans	24.16	1.671e4	2.957e4	7.554e2	9.529e2	0.79	NO	1.708e3	0.12567	0.12567	0.0290
14	Total Tetra-Furans	24.22	5.004e4	6.545e4	5.747e3	7.739e3	0.74	NO	1.349e4	0.99212	0.99212	0.0290
15	Total Tetra-Furans	24.53	7.623e3	1.110e4	4.898e2	6.941e2	0.71	NO	1.184e3	0.087096	0.087096	0.0290
16	Total Tetra-Furans	24.68	4.693e5	6.578e5	3.310e4	4.620e4	0.72	NO	7.930e4	5.8337	5.8337	0.0290
17	Total Tetra-Furans	24.81	5.902e3	6.071e3	3.800e2	4.347e2	0.87	NO	8.147e2	0.059936	0.059936	0.0290
18	Total Tetra-Furans	25.00	1.597e4	1.701e4	1.158e3	1.314e3	0.88	NO	2.472e3	0.18185	0.18185	0.0290
19	Total Tetra-Furans	25.14	4.428e3	5.713e3	2.981e2	4.271e2	0.70	NO	7.251e2	0.053343	0.053343	0.0290
20	Total Tetra-Furans	25.23	3.507e3	4.786e3	2.477e2	3.278e2	0.76	NO	5.755e2	0.042339	0.042339	0.0290
21	Total Tetra-Furans	25.43	6.255e3	8.283e3	4.877e2	6.200e2	0.79	NO	1.108e3	0.081491	0.081491	0.0290
22	Total Tetra-Furans	25.58	4.529e4	6.345e4	3.248e3	4.389e3	0.74	NO	7.636e3	0.56177	0.56177	0.0290
23	2,3,7,8-TCDF	25.70	5.265e5	7.385e5	3.470e4	4.830e4	0.72	NO	8.301e4	6.1067	6.1067	0.0290
24	Total Tetra-Furans	25.96	7.995e3	8.442e3	4.033e2	5.282e2	0.76	NO	0.000e0	0.00000	0.068523	0.0290
25	Total Tetra-Furans	26.01	1.998e4	2.713e4	1.077e3	1.566e3	0.69	NO	0.000e0	0.00000	0.19442	0.0290
26	Total Tetra-Furans	26.26	5.802e3	7.280e3	3.314e2	4.058e2	0.82	NO	7.371e2	0.054229	0.054229	0.0290
27	Total Tetra-Furans	26.38	4.329e3	5.121e3	2.530e2	3.458e2	0.73	NO	5.987e2	0.044047	0.044047	0.0290
28	Total Tetra-Furans	26.88	1.178e4	1.688e4	8.708e2	1.014e3	0.86	NO	1.885e3	0.13868	0.13868	0.0290
29	Total Tetra-Furans	27.04	1.855e4	2.572e4	1.204e3	1.474e3	0.82	NO	2.678e3	0.19700	0.19700	0.0290
30	Total Tetra-Furans	27.21	1.696e4	2.130e4	1.040e3	1.378e3	0.75	NO	2.418e3	0.17785	0.17785	0.0290
31	Total Tetra-Furans	27.41	2.436e4	1.210e4	1.149e3	7.817e2	1.47	YES	0.000e0	0.00000	0.10178	0.0290
32	Total Tetra-Furans	27.58	3.269e4	4.693e4	1.985e3	2.763e3	0.72	NO	4.749e3	0.34935	0.34935	0.0290

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-10.qld

Last Altered: Tuesday, December 15, 2020 9:38:59 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 9:39:32 AM Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1st Func. Penta-Furans	27.19	6.369e5	3.641e5	3.591e4	2.175e4	1.65	NO	5.766e4	4.5925	4.5925	0.0145

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Furans	28.67	3.428e4	2.237e4	1.945e3	1.420e3	1.37	NO	3.364e3	0.26795	0.26795	0.0459
Total Penta-Furans	28.83	9.227e5	5.811e5	5.823e4	3.656e4	1.59	NO	9.479e4	7.5501	7.5501	0.0459
Total Penta-Furans	29.45	1.405e5	8.937e4	7.423e3	4.910e3	1.51	NO	1.233e4	0.98234	0.98234	0.0459
Total Penta-Furans	29.62	2.042e5	1.203e5	1.052e4	6.668e3	1.58	NO	1.719e4	1.3692	1.3692	0.0459
1,2,3,7,8-PeCDF	29.81	1.633e6	1.088e6	8.434e4	5.382e4	1.57	NO	1.382e5	10.826	10.826	0.0448
Total Penta-Furans	29.89	2.448e4	1.896e4	1.078e3	7.863e2	1.37	NO	1.864e3	0.14845	0.14845	0.0459
Total Penta-Furans	30.07	8.006e5	5.225e5	3.931e4	2.505e4	1.57	NO	6.437e4	5.1268	5.1268	0.0459
Total Penta-Furans	30.69	1.930e4	1.207e4	9.321e2	5.874e2	1.59	NO	1.519e3	0.12102	0.12102	0.0459
2,3,4,7,8-PeCDF	30.88	1.171e6	7.414e5	5.996e4	3.788e4	1.58	NO	9.785e4	7.1257	7.1257	0.0424
Total Penta-Furans	31.77	3.910e4	2.951e4	2.657e3	1.696e3	1.57	NO	4.353e3	0.34668	0.34668	0.0459

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Furans	32.20	1.504e5	1.266e5	7.851e3	6.514e3	1.21	NO	1.436e4	1.5224	1.5224	0.0644
Total Hexa-Furans	32.37	6.057e5	4.925e5	2.969e4	2.431e4	1.22	NO	5.400e4	5.7226	5.7226	0.0644
Total Hexa-Furans	32.78	8.148e3	1.066e4	4.667e2	4.379e2	1.07	NO	9.046e2	0.095869	0.095869	0.0644
Total Hexa-Furans	32.99	6.246e5	5.267e5	3.111e4	2.627e4	1.18	NO	5.738e4	6.0815	6.0815	0.0644
Total Hexa-Furans	33.33	2.421e4	2.127e4	1.294e3	1.095e3	1.18	NO	2.388e3	0.25313	0.25313	0.0644
1,2,3,4,7,8-HxCDF	33.46	1.497e6	1.260e6	8.063e4	6.631e4	1.22	NO	1.469e5	15.526	15.526	0.0602
1,2,3,6,7,8-HxCDF	33.59	3.771e5	3.030e5	2.090e4	1.715e4	1.22	NO	3.805e4	3.8284	3.8284	0.0583
Total Hexa-Furans	33.90	1.728e4	1.405e4	1.051e3	7.890e2	1.33	NO	1.840e3	0.19502	0.19502	0.0644
2,3,4,6,7,8-HxCDF	34.26	1.233e5	1.033e5	7.858e3	6.552e3	1.20	NO	1.441e4	1.5366	1.5366	0.0651
1,2,3,7,8,9-HxCDF	35.26	8.475e4	7.931e4	2.008e3	1.784e3	1.13	NO	3.792e3	0.44301	0.44301	0.0782
Total Hexa-Furans	35.27	1.344e5	1.218e5	7.801e3	6.586e3	1.18	NO	1.439e4	1.5248	1.5248	0.0644

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-10.qld

Last Altered: Tuesday, December 15, 2020 9:38:59 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 9:39:32 AM Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.83	8.194e5	8.132e5	6.091e4	6.205e4	0.98	NO	1.230e5	17.999	17.999	0.123
2	Total Hepta-Furans	37.31	9.101e3	9.379e3	6.679e2	6.706e2	1.00	NO	1.338e3	0.21645	0.21645	0.118
3	Total Hepta-Furans	37.55	1.086e6	1.031e6	7.478e4	7.370e4	1.01	NO	1.485e5	24.012	24.012	0.118
4	1,2,3,4,7,8,9-HpCDF	38.84	1.393e5	1.414e5	8.338e3	8.075e3	1.03	NO	1.641e4	2.6452	2.6452	0.100

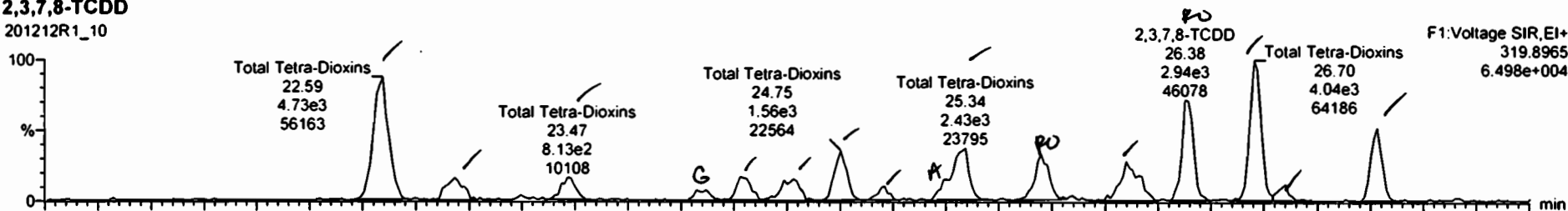
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

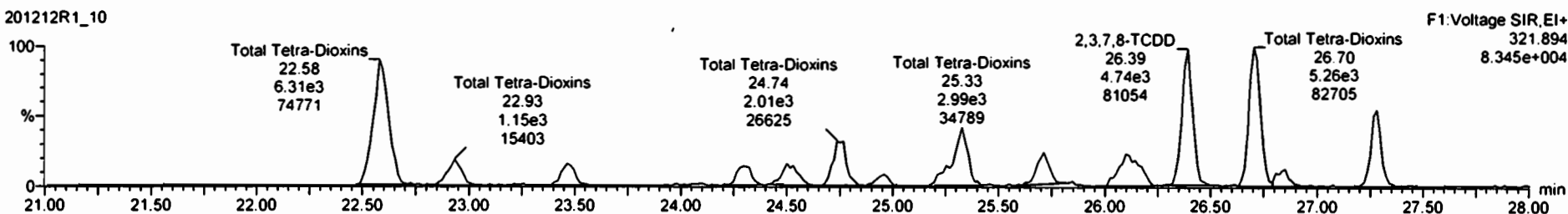
Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

2,3,7,8-TCDD

201212R1_10

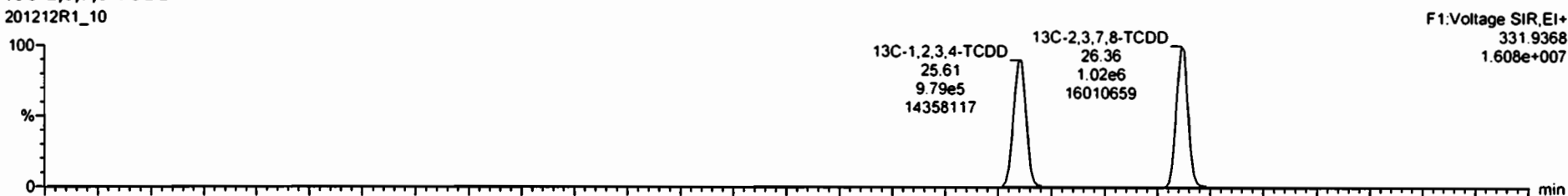


201212R1_10

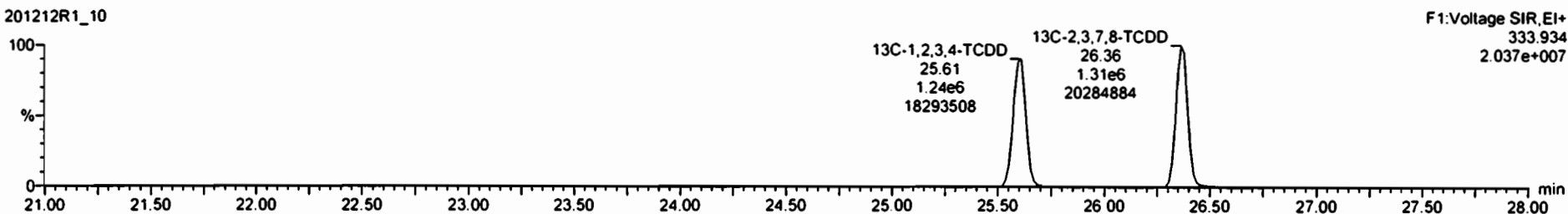


13C-2,3,7,8-TCDD

201212R1_10

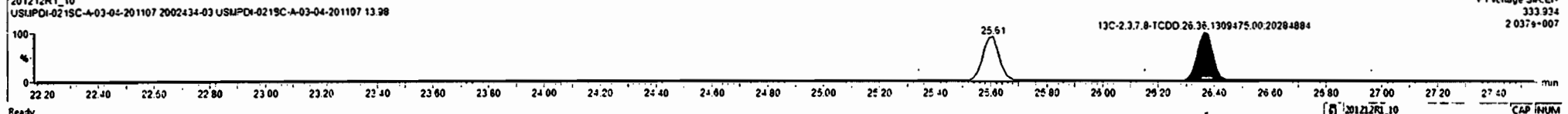
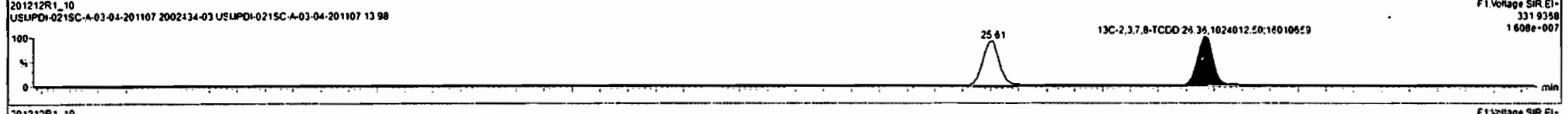
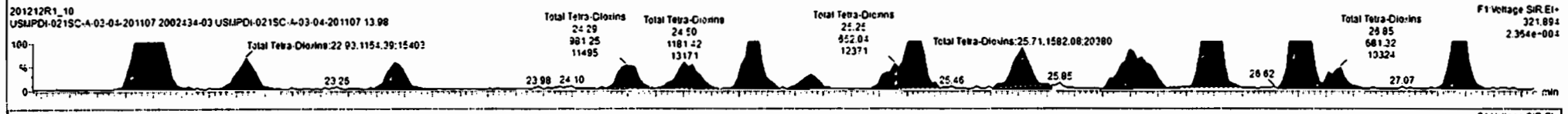
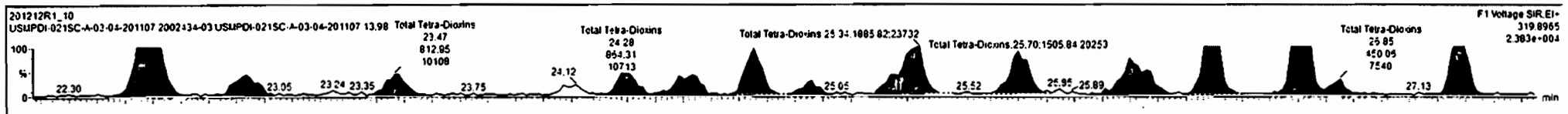


201212R1_10



Name	Resp	RA	n/y	R/F	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.0605	18.054		4.17		0.0295	5.81

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.	
1	Total Tetra-Dioxins	22.58	1.727e3	6.308e3	0.75	NO	0.95945	0.02945
2	Total Tetra-Dioxins	22.83	5.735e2	1.954e3	0.84	NO	0.19551	0.12501
3	Total Tetra-Dioxins	23.47	2.152e2	5.792e2	0.83	NO	0.15582	0.15582
4	Total Tetra-Dioxins	24.28	2.643e2	9.812e2	0.86	NO	0.18945	0.18346
5	Total Tetra-Dioxins	24.52	1.058e3	1.181e3	0.85	NO	0.19943	0.19043
6	Total Tetra-Dioxins	24.75	1.592e3	2.006e3	0.79	NO	0.31282	0.31282
7	Total Tetra-Dioxins	24.98	3.866e2	4.759e2	0.81	NO	0.07499E	0.07499E
8	Total Tetra-Dioxins	25.24	5.252e2	6.520e2	0.81	NO	0.10238	0.10238
9	Total Tetra-Dioxins	25.34	1.896e3	2.295e3	0.82	NO	0.36354	0.36354
10	Total Tetra-Dioxins	25.70	1.506e3	1.582e3	0.95	YES	0.24347	0.00000
11	Total Tetra-Dioxins	26.10	1.855e3	2.204e3	0.98	NO	0.35552	0.35552
12	2,3,7,8-TCDD	26.36	2.679e3	4.708e3	0.63	YES	0.59552	0.00000
13	Total Tetra-Dioxins	26.70	4.8e3e3	5.258e3	0.77	NO	0.80868	0.80868
14	Total Tetra-Dioxins	26.85	4.501e2	6.813e2	0.98	NO	0.058389	0.098389
15	Total Tetra-Dioxins	27.26	2.843e3	2.549e3	0.90	NO	0.35925	0.39625



Dataset: Untitled

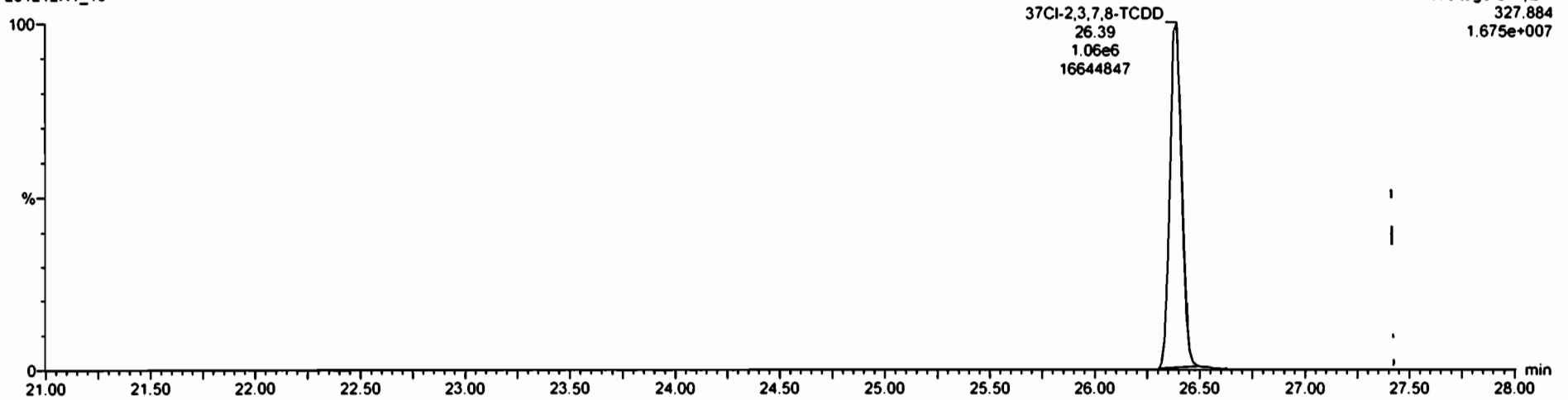
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

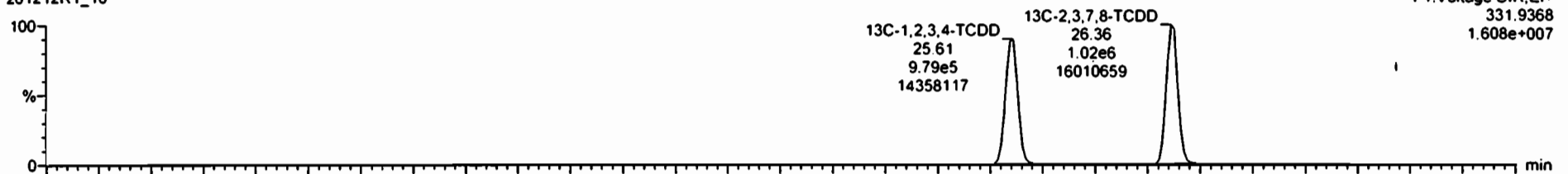
37Cl-2,3,7,8-TCDD

201212R1_10

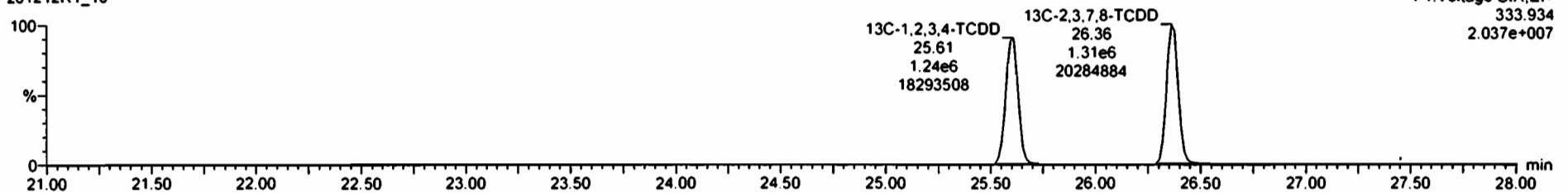


13C-1,2,3,4-TCDD

201212R1_10



201212R1_10

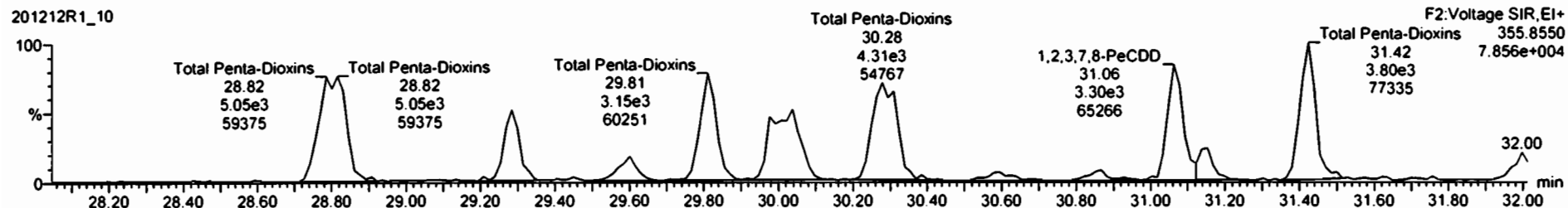
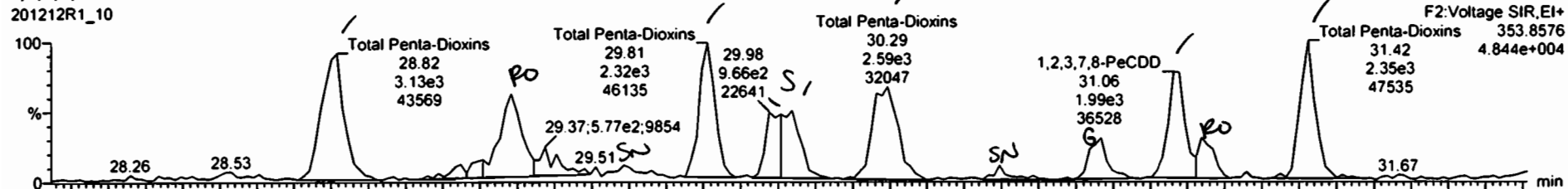


Dataset: Untitled

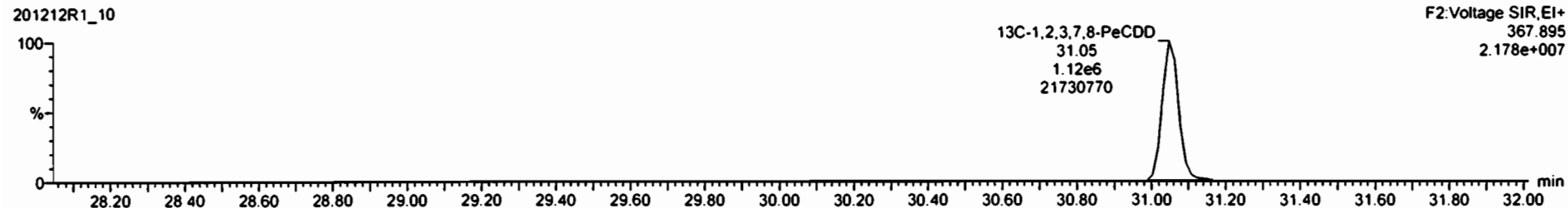
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

1,2,3,7,8-PeCDD

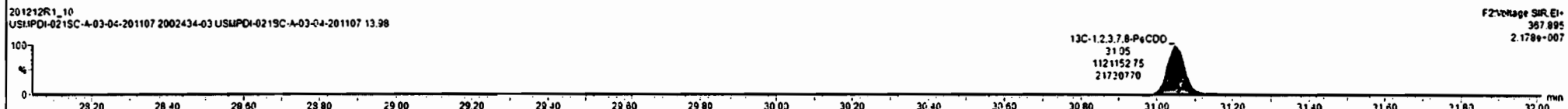
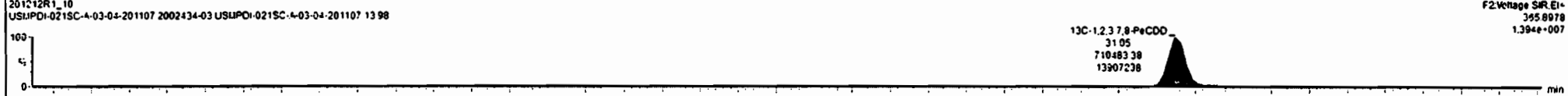
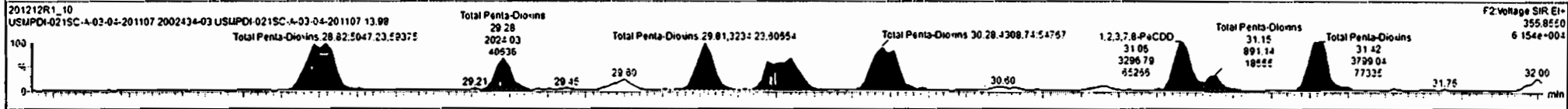
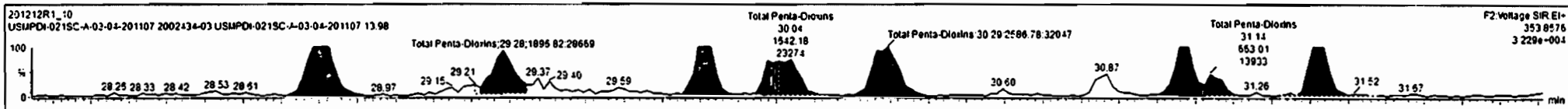


13C-1,2,3,7,8-PeCDD



Name	Resp	RA	n/y	R/R	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
38	Total Tetra-Dioxins							4.17	0.0229	5.01	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.	
1	Total Penta-Dioxins	28.82	3.127e3	5.047e3	0.62	NO	0.95262	0.95262
2	Total Penta-Dioxins	29.26	1.897e3	2.024e3	0.94	YES	0.28447	0.00000
3	Total Penta-Dioxins	29.81	2.233e3	3.234e3	0.72	NO	0.84756	0.64756
4	Total Penta-Dioxins	29.98	6.496e2	1.017e3	0.64	NO	0.19407	0.19407
5	Total Penta-Dioxins	30.04	1.642e3	2.709e3	0.61	NO	0.55767	0.5707
6	Total Penta-Dioxins	30.29	2.587e3	4.209e3	0.60	NO	0.80357	0.80357
7	1,2,3,7,8-PeCDD	31.08	1.985e3	3.297e3	0.60	NO	0.61555	0.61555
8	Total Penta-Dioxins	31.14	8.635e2	8.911e2	0.74	YES	0.18927	0.00000
9	Total Penta-Dioxins	31.42	2.273e3	3.799e3	0.59	NO	0.70291	0.70291

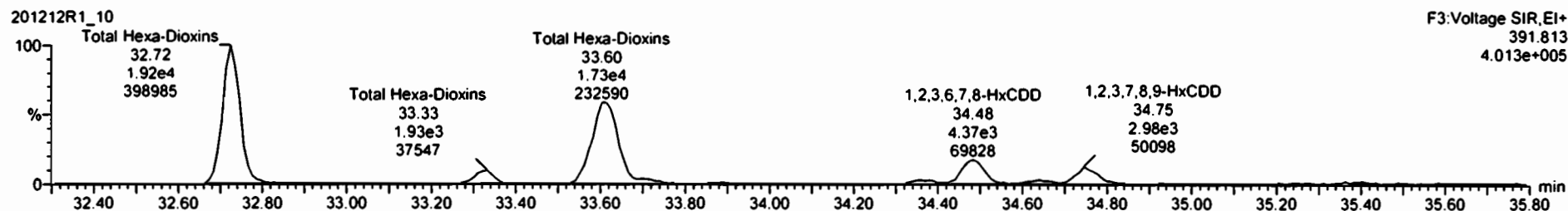


Dataset: Untitled

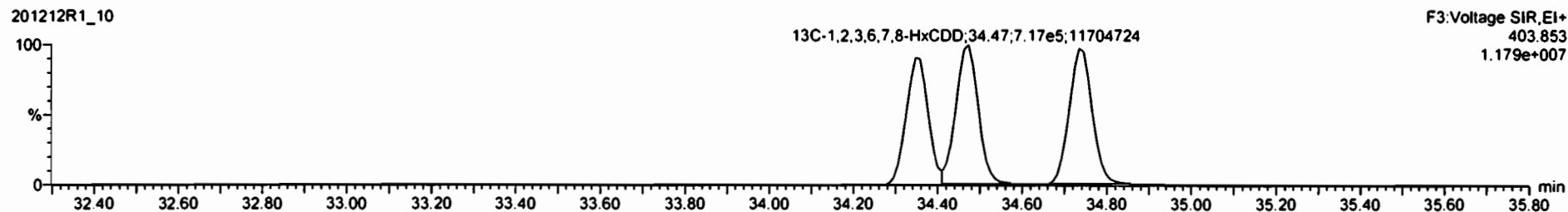
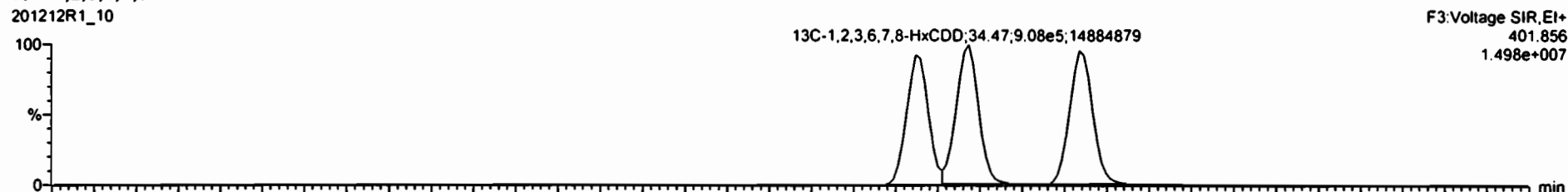
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

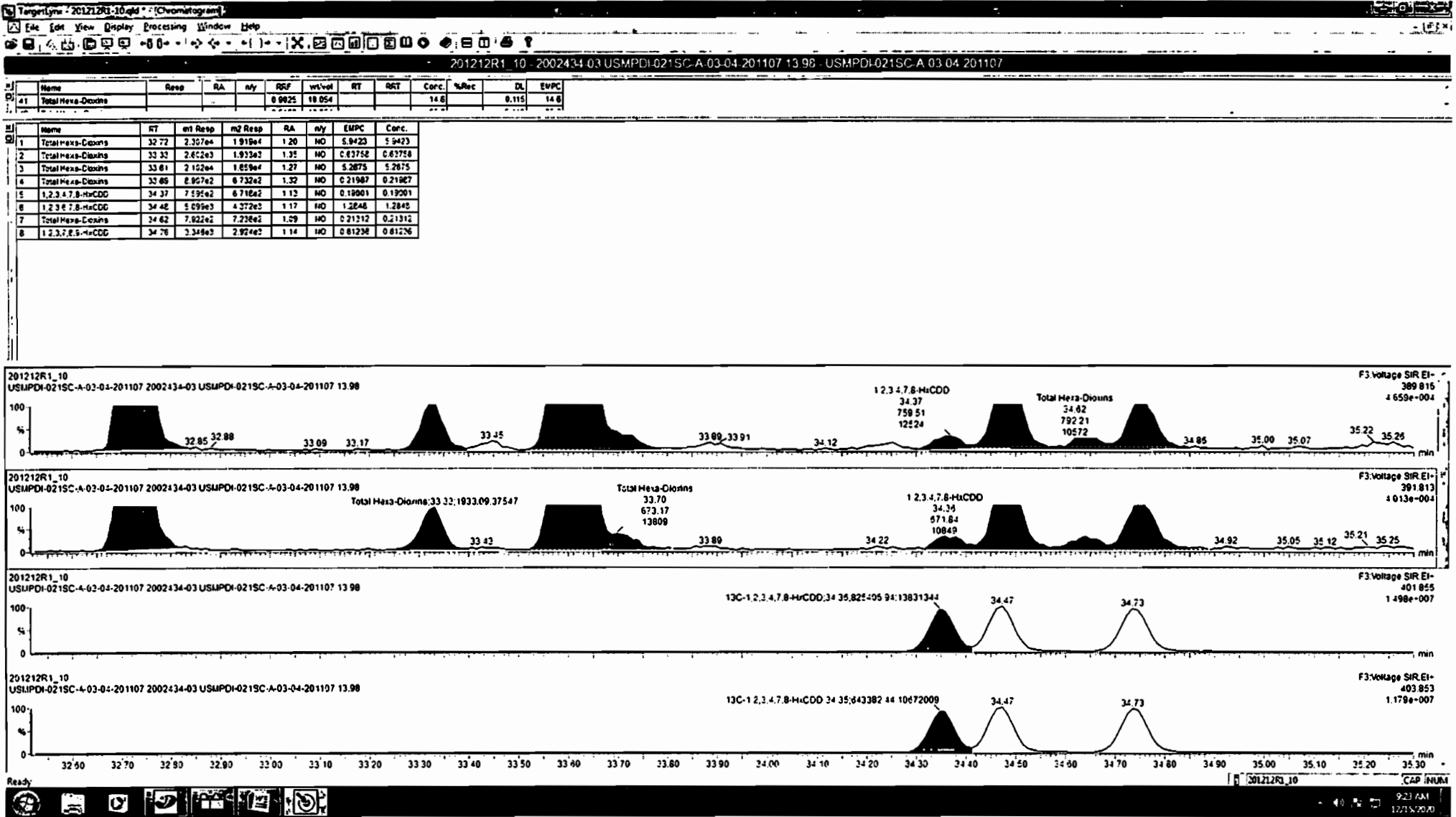
Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

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



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





Dataset: Untitled

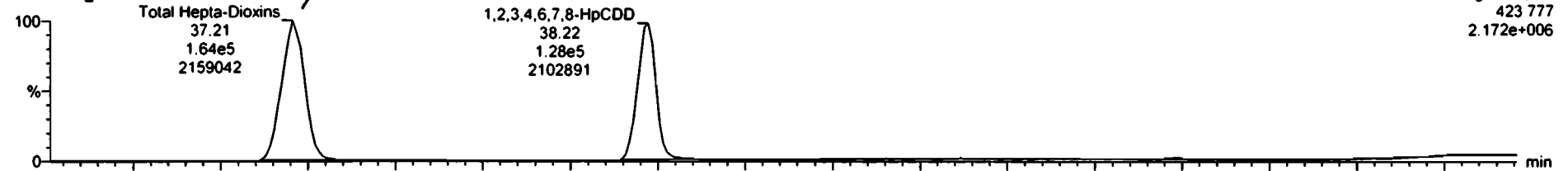
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

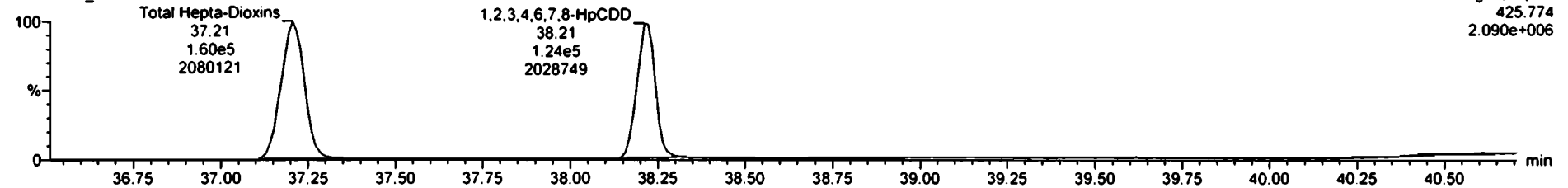
Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

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

201212R1_10

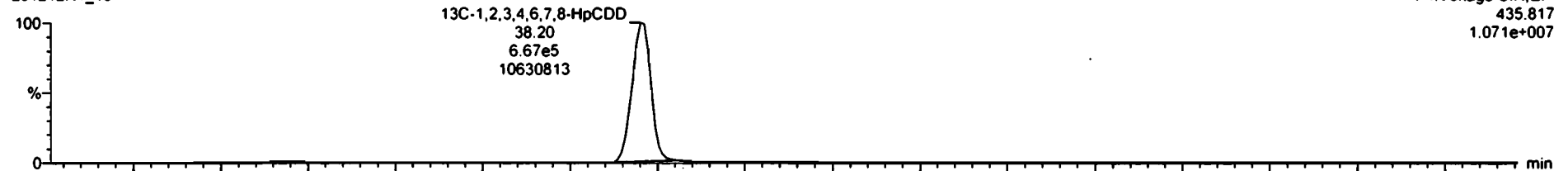


201212R1_10

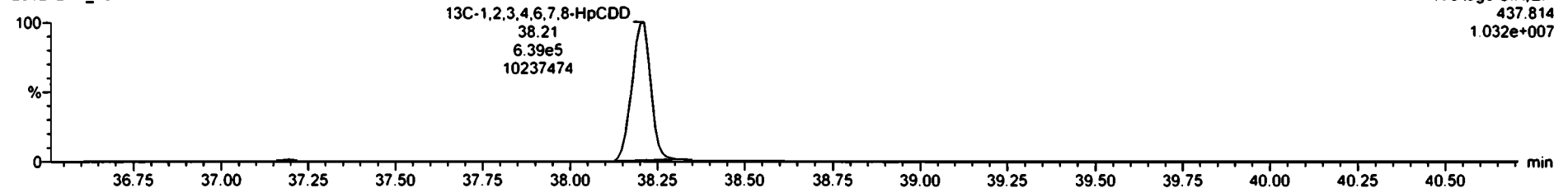


13C-1,2,3,4,6,7,8-HpCDD

201212R1_10



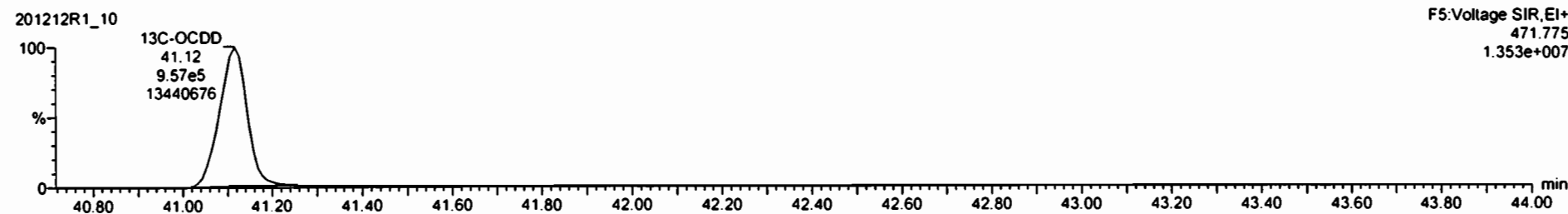
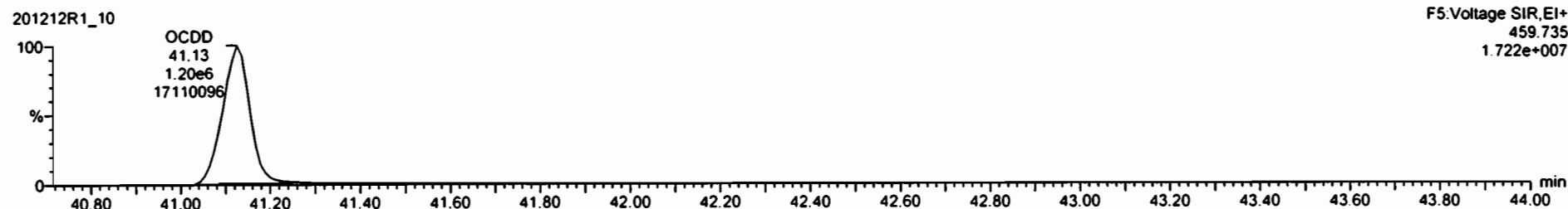
201212R1_10



Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107



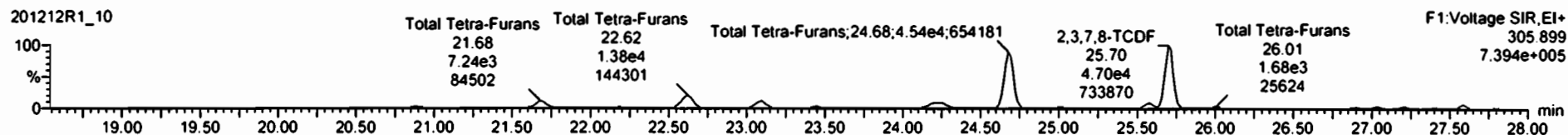
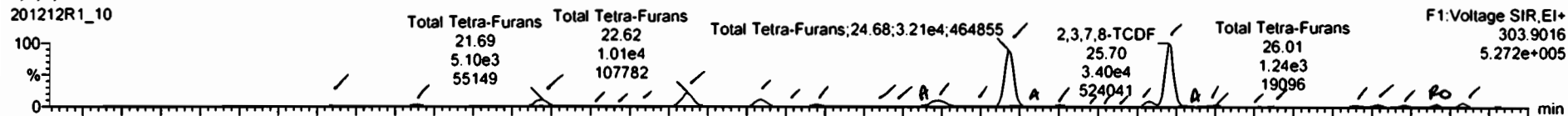
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

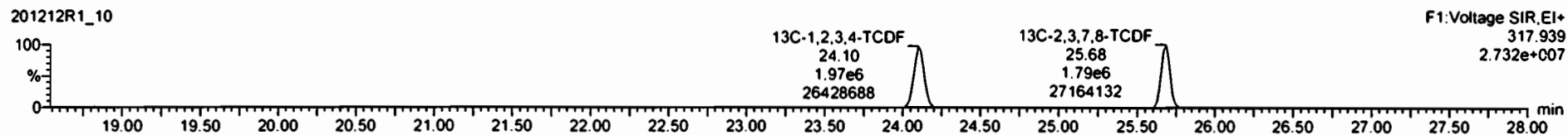
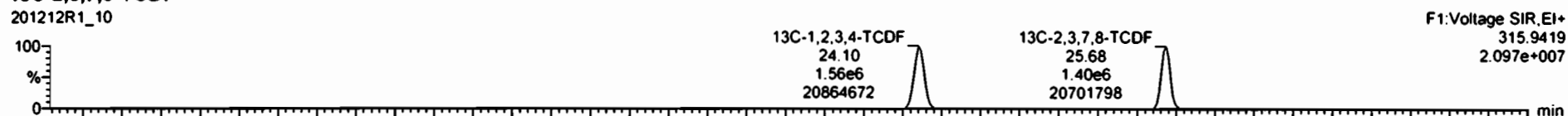
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

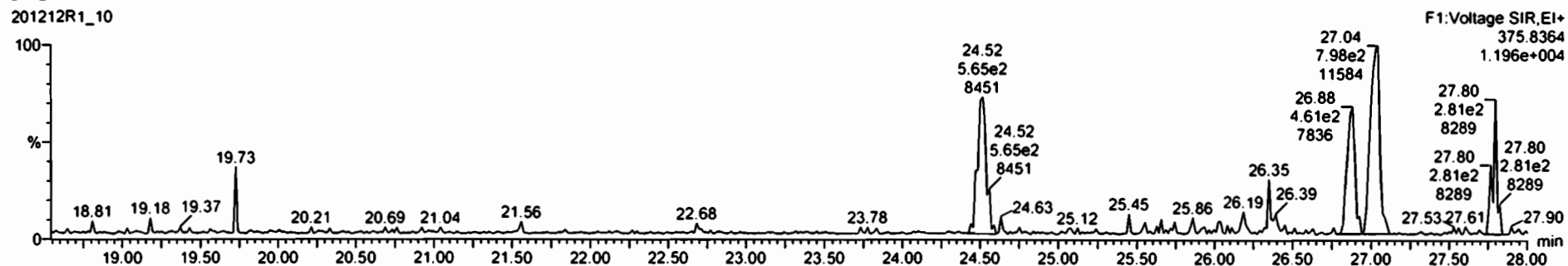
2,3,7,8-TCDF

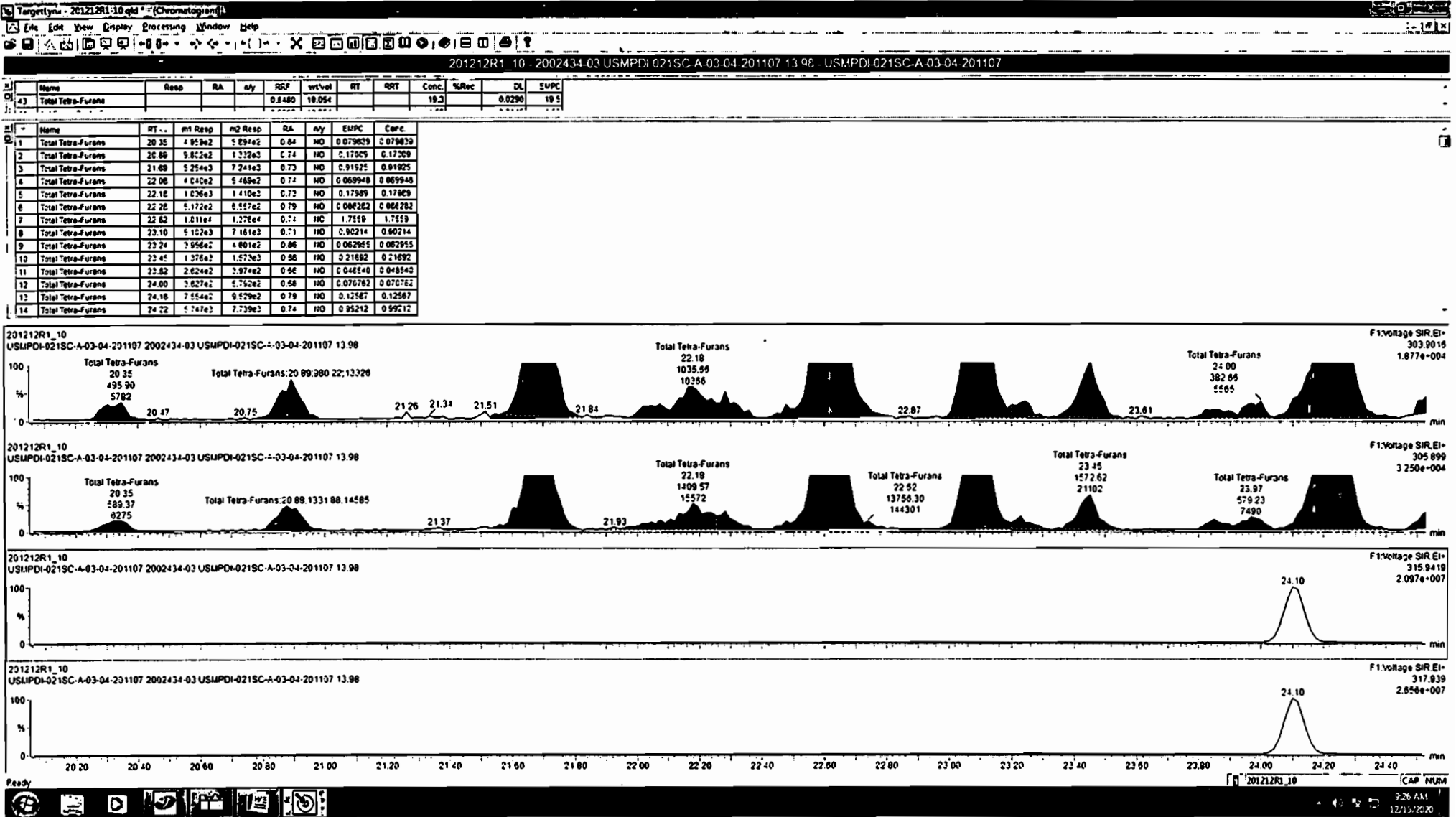


13C-2,3,7,8-TCDF



DPE1

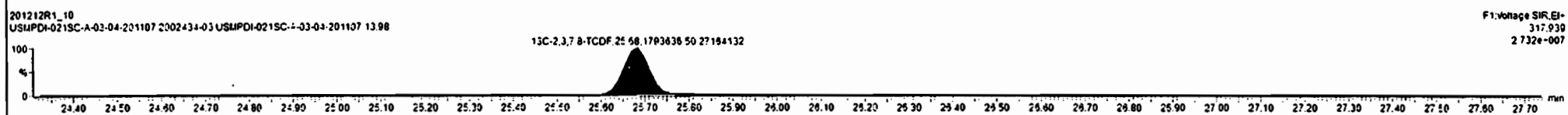
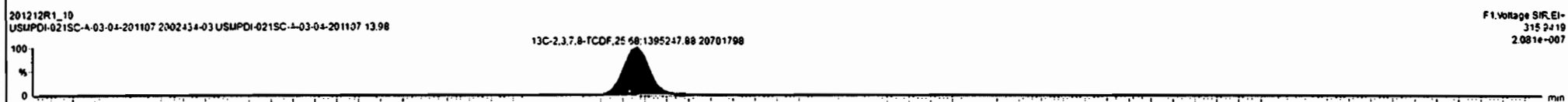
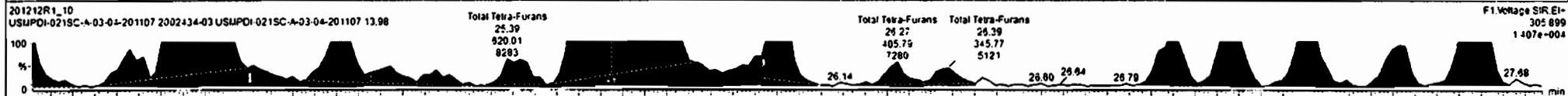
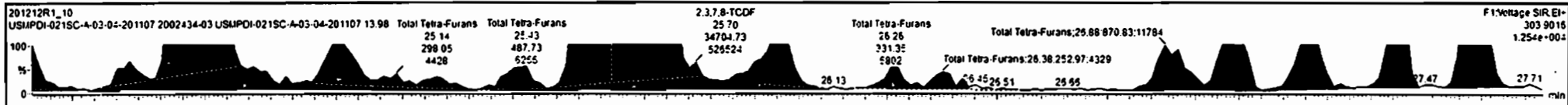




201212R1_10 - 2002434-03 USMPDI-021SC-A-03-04-201107 13.98 - USMPDI-021SC-A-03-04-201107

#	Name	Resp	RA	nY	RRF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
43	Total Tetra-Furans				0.8480	18.054			19.8		0.0280	20.0

#	Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc
15	Total Tetra-Furans	24.53	4.895e2	5.941e2	0.71	NO	0.067096	0.067096
16	Total Tetra-Furans	24.98	3.315e1	4.620e1	0.72	NO	5.8337	5.8337
17	Total Tetra-Furans	24.81	3.805e2	4.347e2	0.87	NO	0.059836	0.059836
18	Total Tetra-Furans	25.00	1.158e3	1.314e3	0.88	NO	0.18185	0.18185
19	Total Tetra-Furans	25.14	2.991e2	4.271e2	0.78	NO	0.053343	0.053343
20	Total Tetra-Furans	25.23	2.477e2	3.278e2	0.76	NO	0.042338	0.042339
21	Total Tetra-Furans	25.43	4.877e2	6.200e2	0.79	NO	0.061491	0.061491
22	Total Tetra-Furans	25.58	3.248e3	4.385e3	0.74	NO	0.56177	0.56177
23	2,3,7,8-TCDF	25.70	3.475e1	4.820e1	0.72	NO	6.1067	6.1067
24	Total Tetra-Furans	25.96	4.633e2	5.262e2	0.76	NO	0.068523	0.068523
25	Total Tetra-Furans	26.01	1.677e3	1.566e3	0.69	NO	0.13442	0.09000
26	Total Tetra-Furans	26.26	3.314e2	4.056e2	0.82	NO	0.054229	0.054229
27	Total Tetra-Furans	26.38	2.936e2	3.456e2	0.73	NO	0.044047	0.044047
28	Total Tetra-Furans	26.68	8.708e2	1.014e3	0.96	NO	0.12968	0.13868
29	Total Tetra-Furans	27.04	1.204e3	1.474e3	0.82	NO	0.19700	0.19700
30	Total Tetra-Furans	27.21	1.646e3	1.378e3	0.75	NO	0.17785	0.17785
31	Total Tetra-Furans	27.41	1.149e3	7.817e2	1.47	YES	2.10178	0.00000
32	Total Tetra-Furans	27.58	1.985e3	2.763e3	0.72	NO	0.34935	0.34935



Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

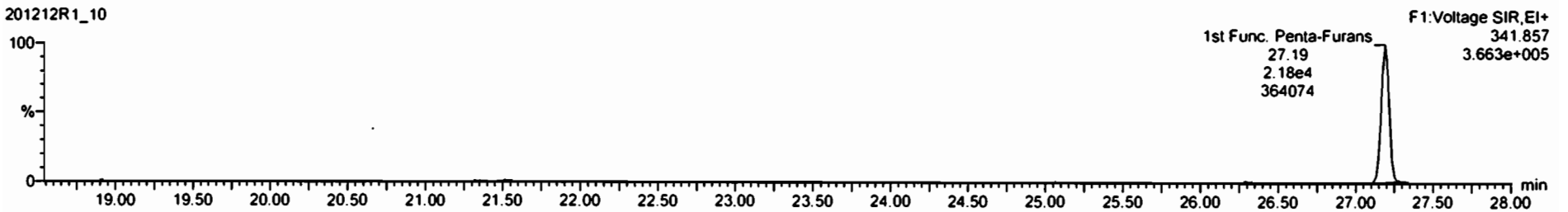
Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

1st Func. Penta-Furans

201212R1_10

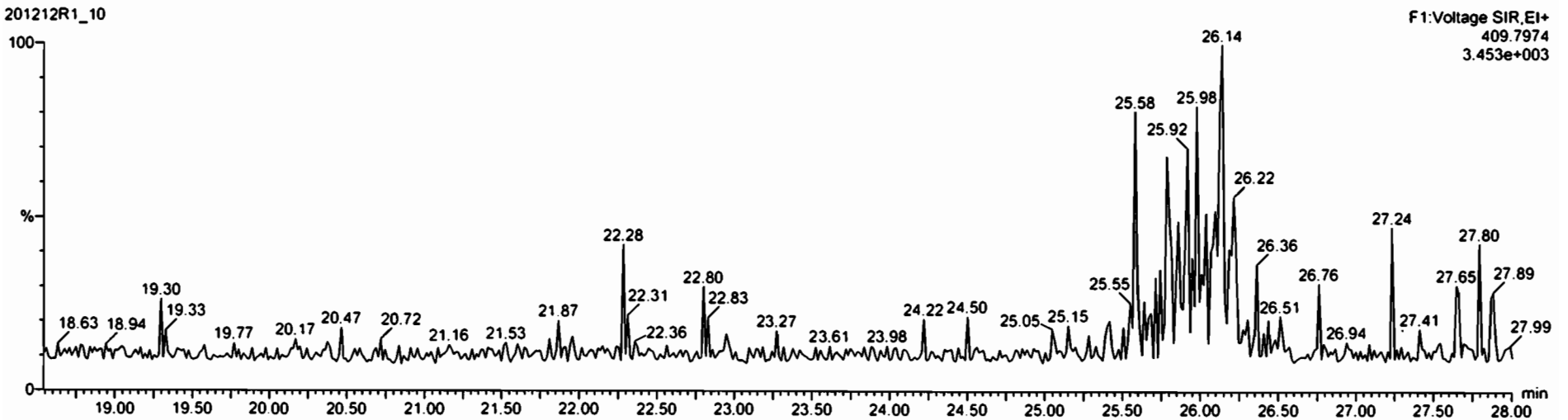


201212R1_10



DPE6

201212R1_10

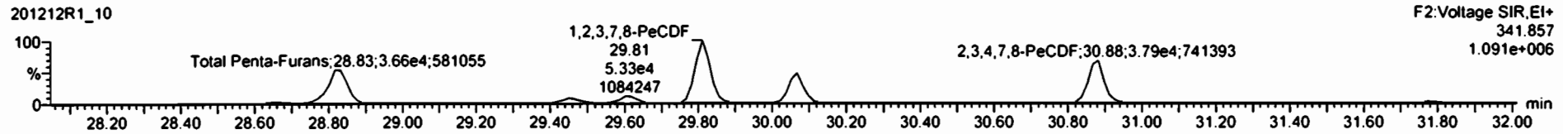
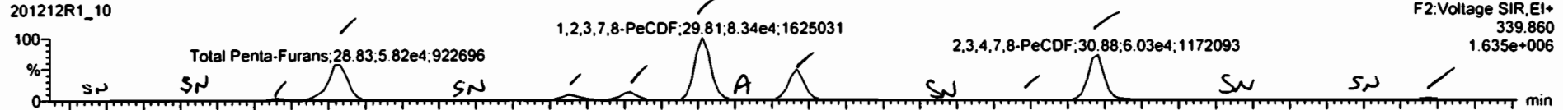


Dataset: Untitled

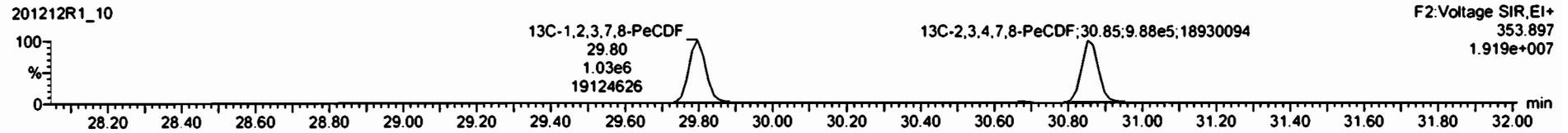
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

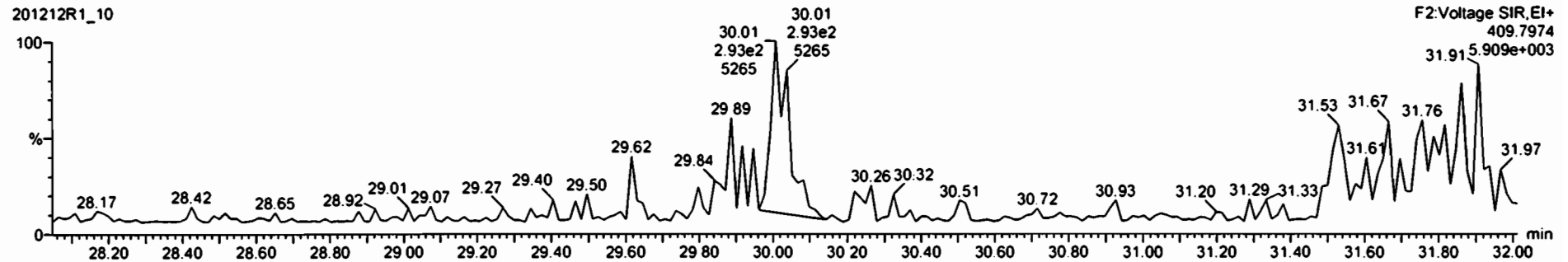
1,2,3,7,8-PeCDF



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

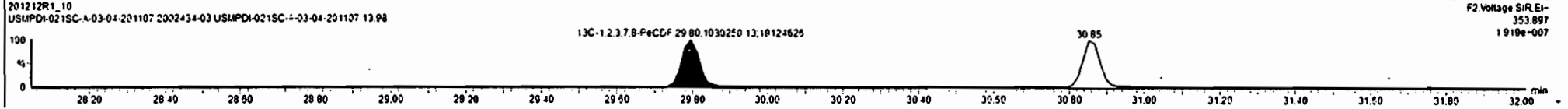
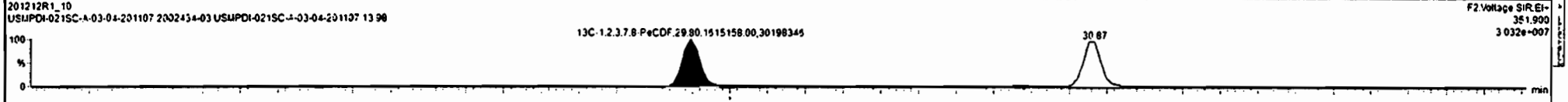
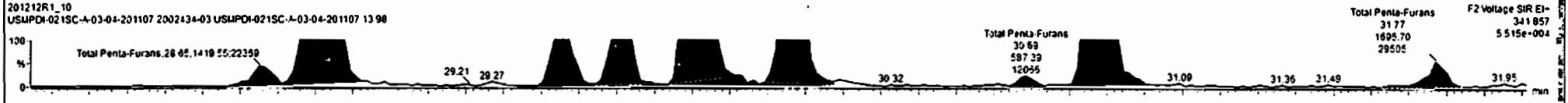
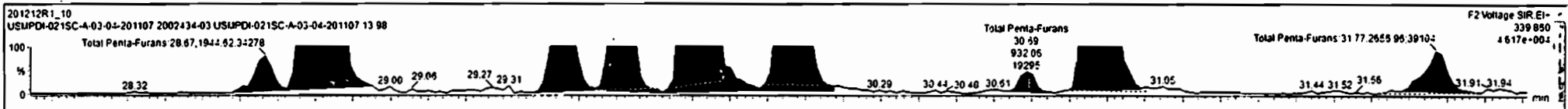


DPE2



Name	Resp	RA	My	RRF	wt-wt	RT	QRT	Conc.	%Rec	DL	EMPC
Total Penta-Furans				0.6597	18.054			33.7		0.0459	33.9

Name	RT:1	m1 Resp	m2 Resp	RA	My	EMPC	Conc.
1 Total Penta-Furans	28.67	1.545e2	1.420e2	1.37	ISO	0.26791	0.26795
2 Total Penta-Furans	28.83	5.823e4	3.856e4	1.59	ISO	7.5501	7.5501
3 Total Penta-Furans	29.45	7.423e2	4.810e2	1.51	ISO	0.98224	0.98234
4 Total Penta-Furans	29.82	1.652e2	8.688e2	1.58	ISO	1.3692	1.3692
5 1,2,3,7,8-PeCDF	29.81	8.434e4	5.382e4	1.57	ISO	10.826	10.826
6 Total Penta-Furans	29.89	1.678e2	7.863e2	1.37	ISO	0.14845	0.14845
7 Total Penta-Furans	30.07	3.931e4	2.505e4	1.57	ISO	5.1298	5.1298
8 Total Penta-Furans	30.89	9.321e2	5.874e2	1.58	ISO	0.12102	0.09506
9 2,3,4,7,8-PeCDF	30.88	5.996e4	3.788e4	1.58	ISO	7.1257	7.1257
10 Total Penta-Furans	31.77	2.857e2	1.696e2	1.57	ISO	0.34688	0.34688

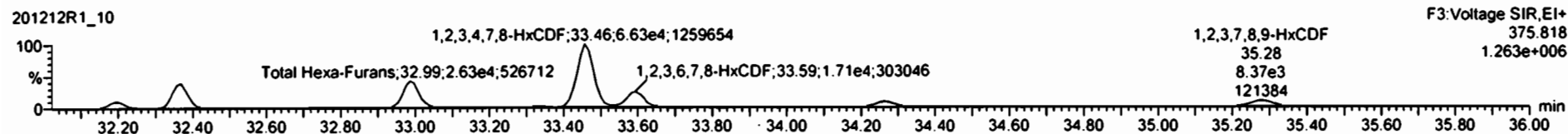
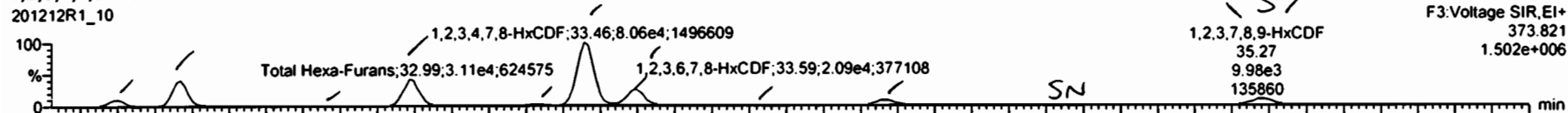


Dataset: Untitled

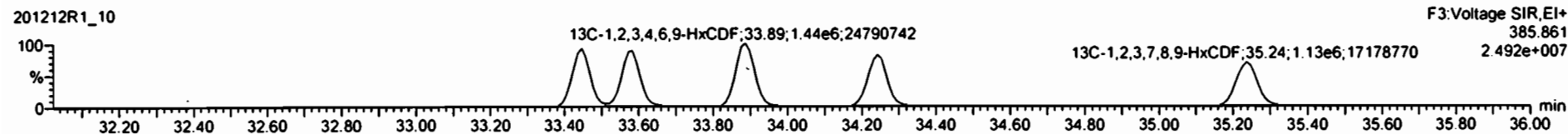
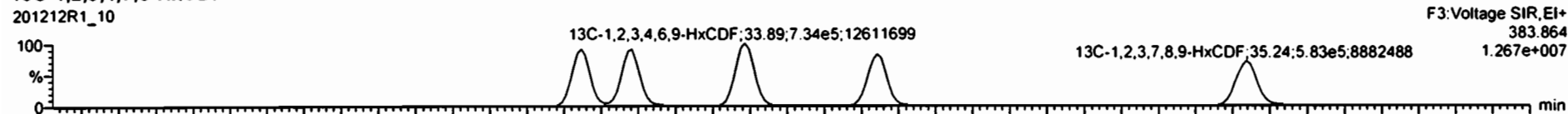
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

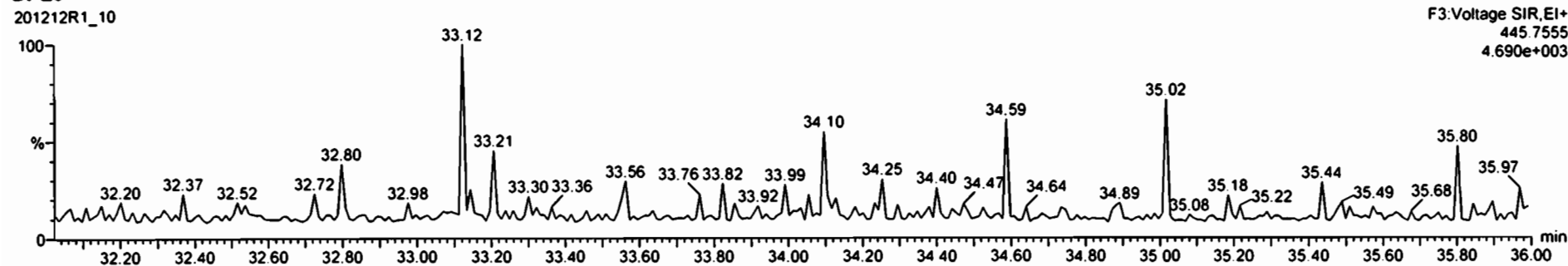
1,2,3,4,7,8-HxCDF



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



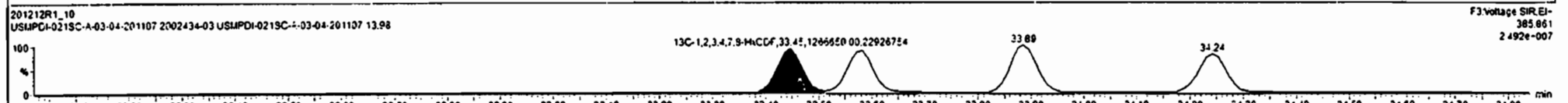
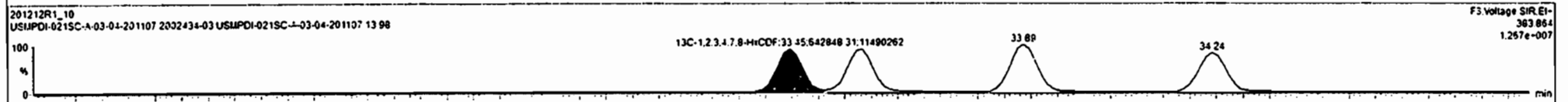
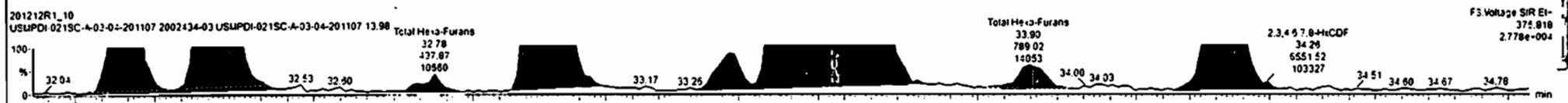
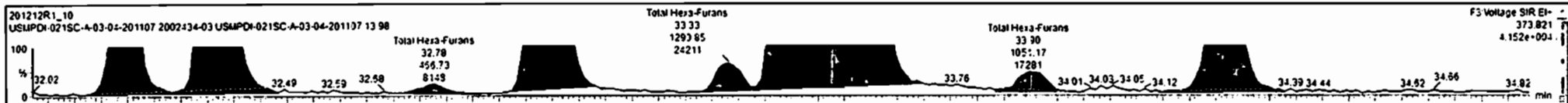
DPE3



201212R1_10 - 2002434-03 USMPDI-021SC-A-03-04-201107 13.98 - USMPDI-021SC-A-03-04-201107

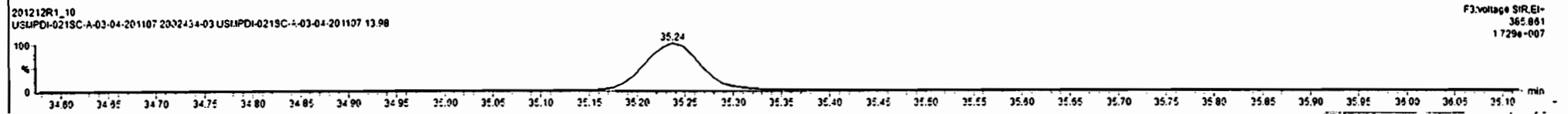
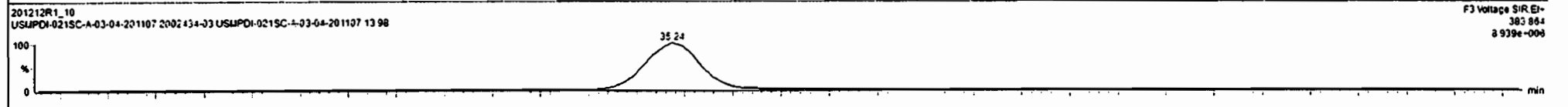
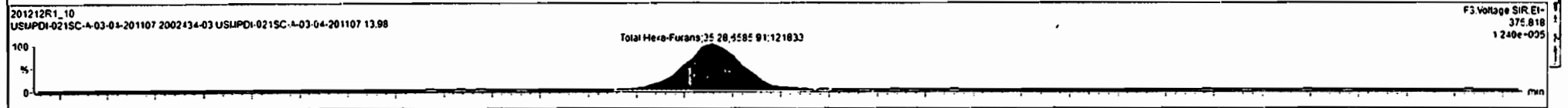
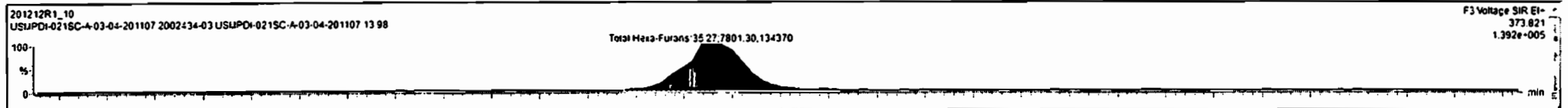
Name	Resp	RA	nY	RPF	wYval	RT	RRT	Conc	%Rec	DL	EMPC
Total Penta-Furans				0.9597	10.054			33.9		0.5459	33.9

Name	RT	int Resp	nQ Resp	RA	nY	EMPC	Conc
1 Total Hexa-Furans	32.20	7.851e3	6.514e2	1.21	HO	1.5224	1.5224
2 Total Hexa-Furans	32.37	2.969e4	2.421e4	1.22	HO	5.7226	5.7226
3 Total Hexa-Furans	32.78	4.867e2	4.379e2	1.07	HO	0.095848	0.095848
4 Total Hexa-Furans	33.99	3.111e4	2.627e4	1.18	HO	6.6815	6.6815
5 Total Hexa-Furans	33.33	1.294e2	1.095e2	1.18	HO	0.25313	0.25313
6 1,2,3,4,7,8-HxCDF	33.46	8.963e4	8.631e4	1.22	HO	15.526	15.526
7 1,2,3,6,7,8-HxCDF	33.59	2.090e4	1.715e4	1.22	HO	3.8284	3.8284
8 Total Hexa-Furans	33.90	1.051e2	7.890e2	1.33	HO	0.19502	0.19502
9 2,3,4,6,7,8-HxCDF	34.26	7.858e2	6.552e2	1.20	HO	1.5366	1.5366
10 1,2,3,7,8,9-HxCDF	35.27	9.982e2	8.373e2	1.19	HO	2.1444	2.1444



Name	Resp	RA	nY	RFI	wVvW	RT	RRT	Conc.	%Rec	DL	EMPC
Total Penta-Furans				0.9587	10.054			33.9		0.0459	33.3

Name	RTj	m1 Resp	m2 Resp	RA	nY	EMPC	Conc
1 Total Hexa-Furans	32.20	7.851e3	5.514e3	1.21	NO	1.5224	1.5224
2 Total Hexa-Furans	32.37	2.963e4	2.431e4	1.22	NO	5.7226	5.7226
3 Total Hexa-Furans	32.78	4.667e2	4.379e2	1.07	NO	0.095868	0.095868
4 Total Hexa-Furans	32.99	3.111e4	2.627e4	1.18	NO	6.0815	6.0815
5 Total Hexa-Furans	33.33	1.284e3	1.095e3	1.18	NO	0.25313	0.25313
6 1,2,3,4,7,8-HxCDF	33.48	8.082e4	6.621e4	1.22	NO	15.526	15.526
7 1,2,3,6,7,8-HxCDF	33.59	2.690e4	1.715e4	1.22	NO	3.8284	3.8284
8 Total Hexa-Furans	33.90	1.051e3	7.890e2	1.23	NO	0.19552	0.19552
9 2,3,4,6,7,8-HxCDF	34.26	7.858e3	6.552e3	1.20	NO	1.5368	1.5368
10 1,2,3,7,8,9-HxCDF	35.26	2.609e3	1.764e3	1.13	NO	0.44301	0.44301
11 Total Hexa-Furans	35.27	7.851e3	6.586e3	1.18	NO	1.5248	1.5248

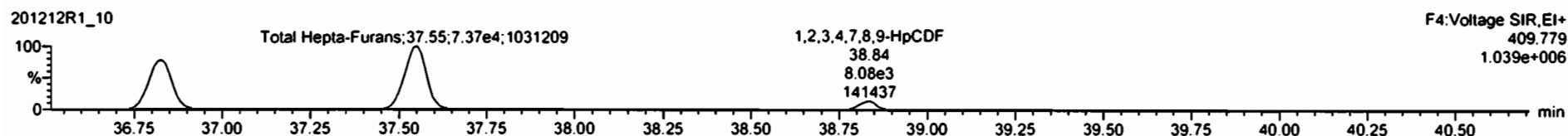
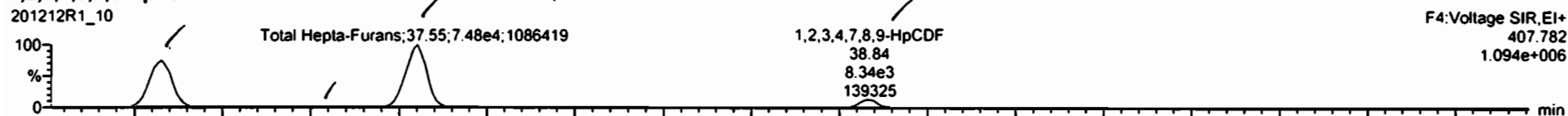


Dataset: Untitled

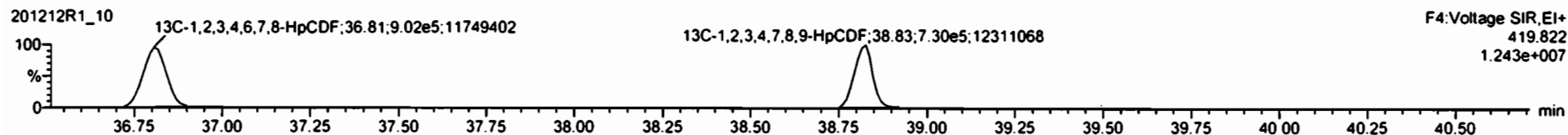
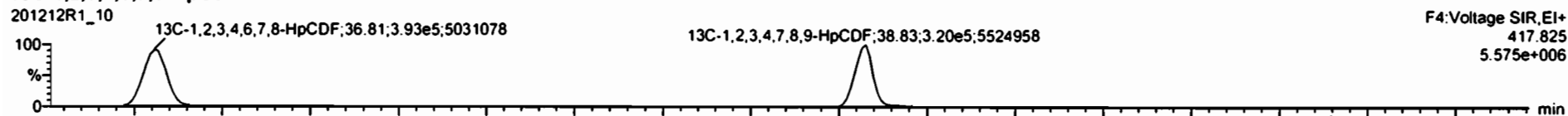
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

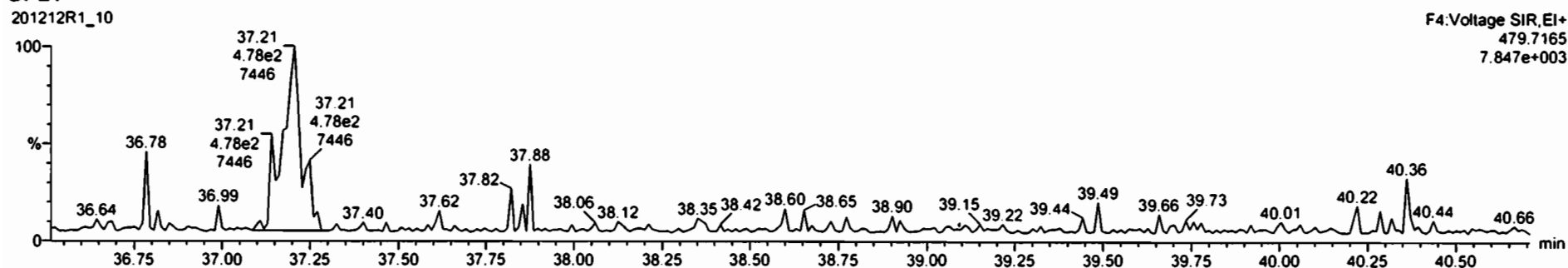
1,2,3,4,6,7,8-HpCDF

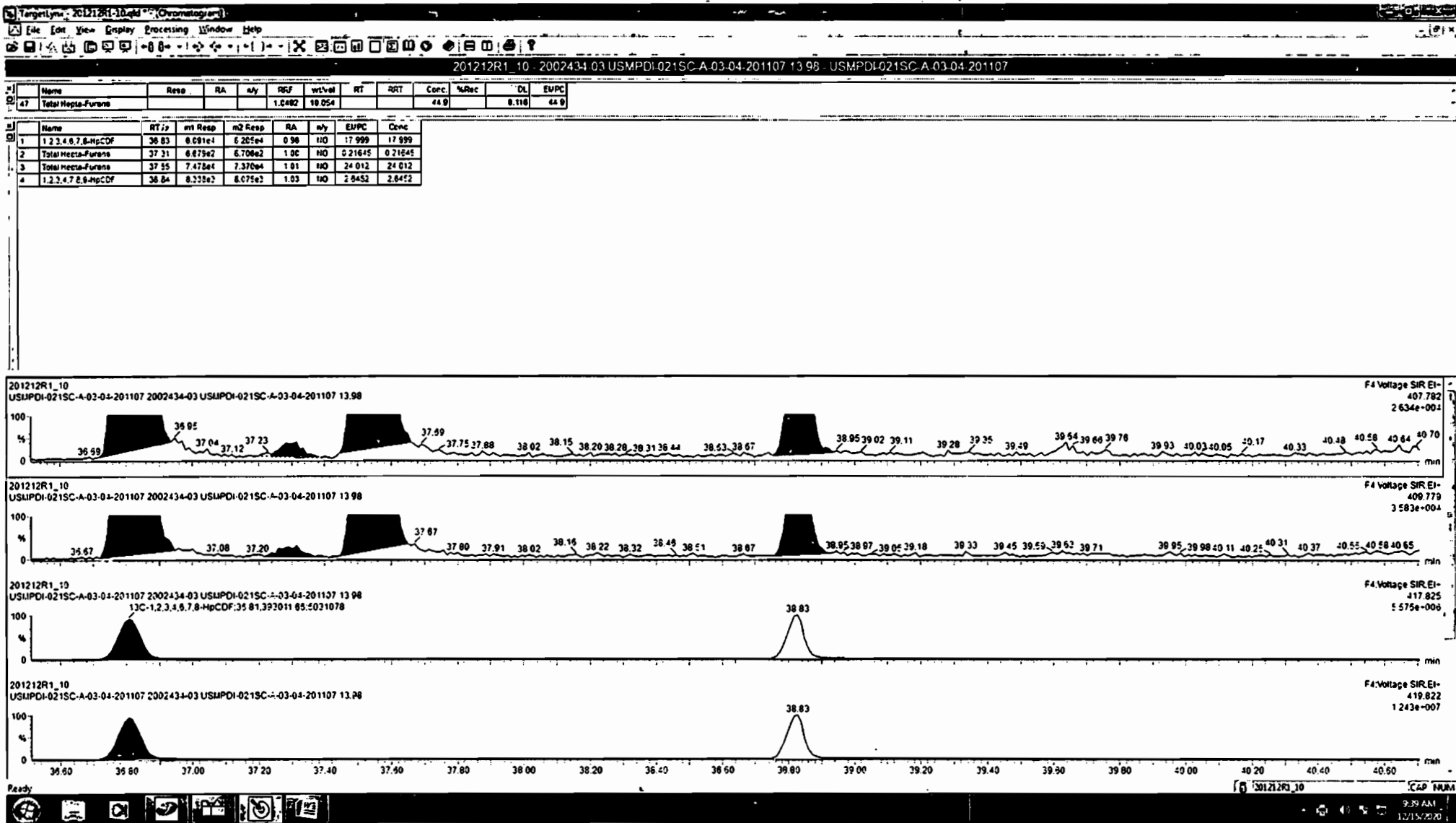


13C-1,2,3,4,6,7,8-HpCDF



DPE4

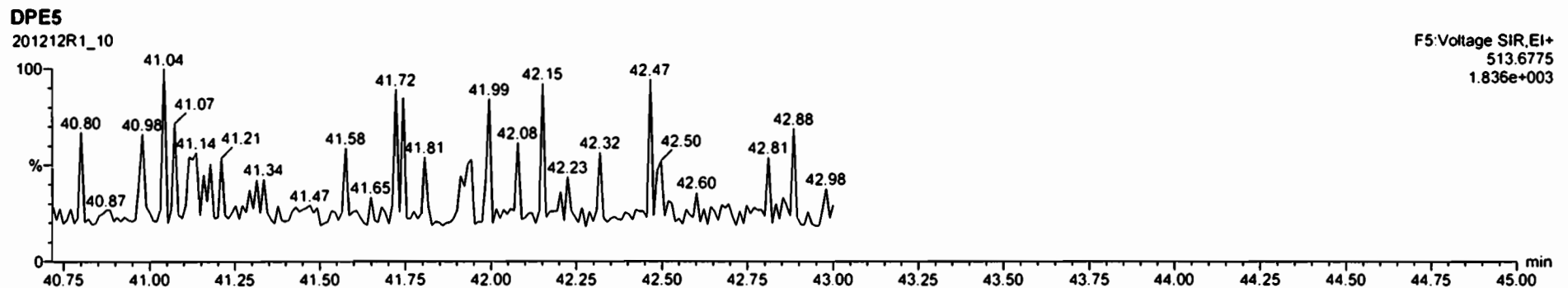
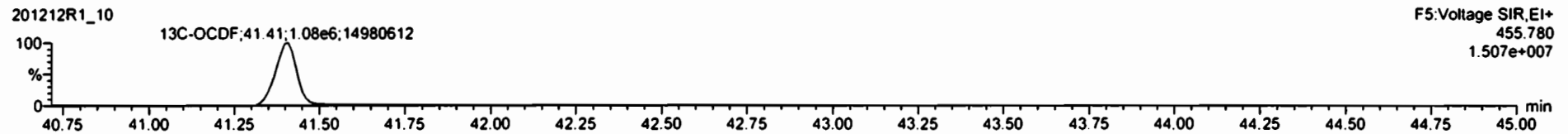
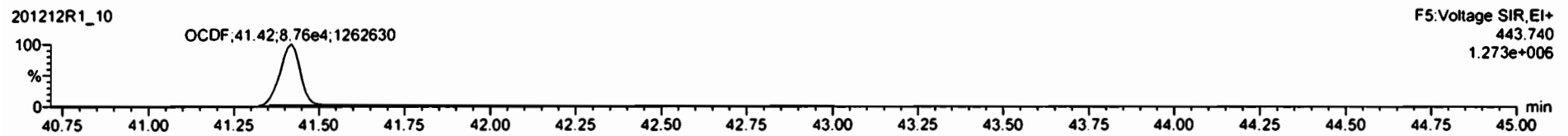
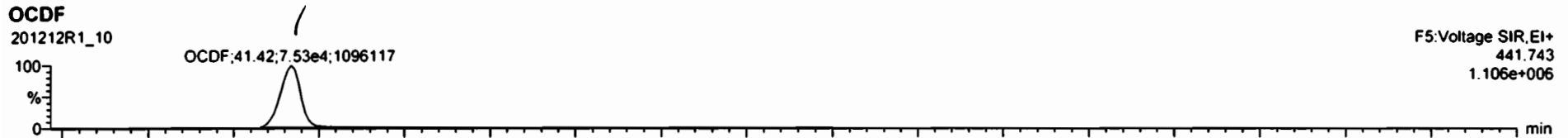




Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

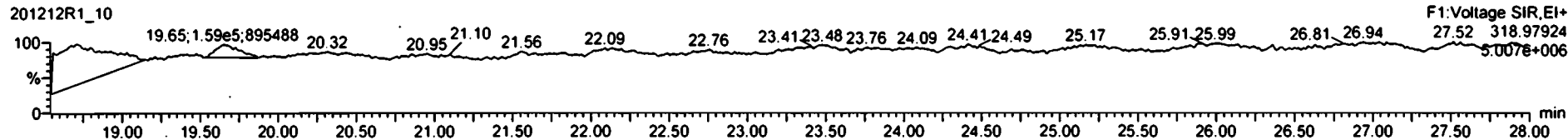


Dataset: Untitled

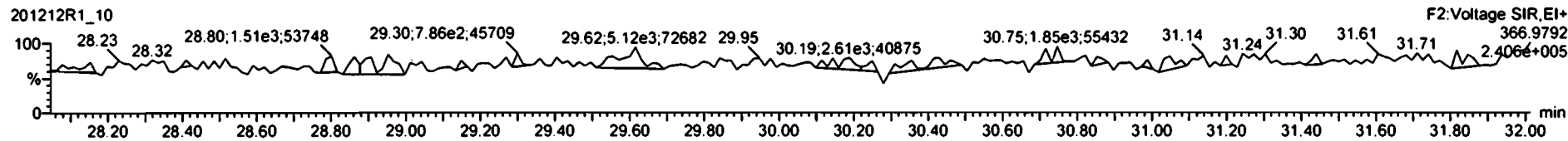
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_10, Date: 12-Dec-2020, Time: 18:28:04, ID: 2002434-03 USMPDI-021SC-A-03-04-201107 13.98, Description: USMPDI-021SC-A-03-04-201107

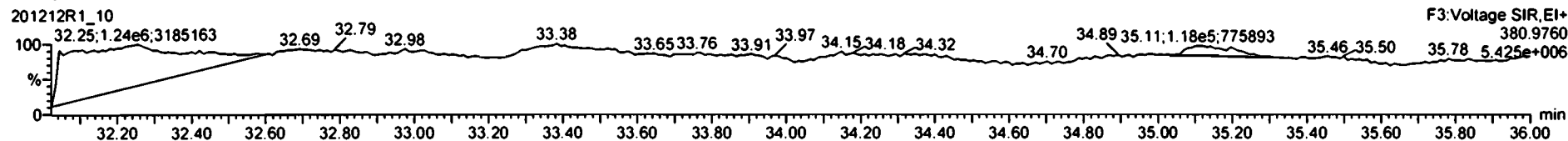
PFK1



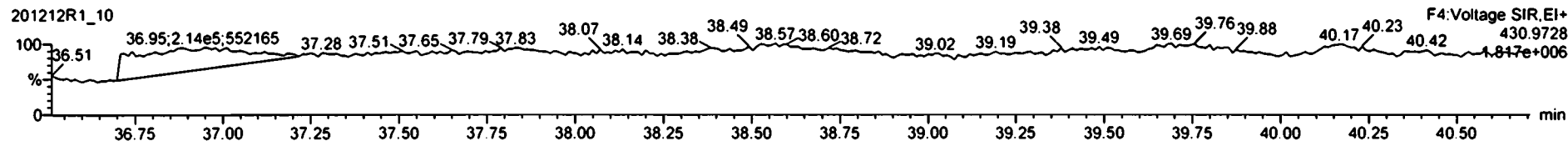
PFK2



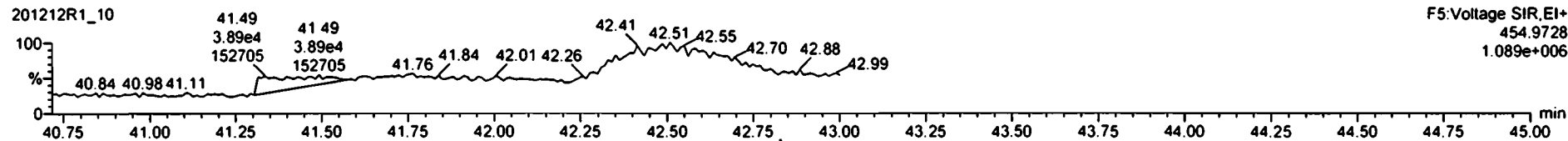
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\201212R1\201212R1-11.qld

Last Altered: Tuesday, December 15, 2020 10:10:04 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 10:10:46 AM Pacific Standard Time

GRB 12/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

*MK
12/15/2020*

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

#	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	0.980	10.078	26.410		1.001				0.0201	
2	2 1,2,3,7,8-PeCDD			NO	0.932	10.078	31.094		1.001				0.0304	
3	3 1,2,3,4,7,8-HxCDD			NO	1.02	10.078	34.379		1.001				0.0454	
4	4 1,2,3,6,7,8-HxCDD			NO	0.902	10.078	34.494		1.001				0.0464	
5	5 1,2,3,7,8,9-HxCDD			NO	0.954	10.078	34.755		1.000				0.0451	
6	6 1,2,3,4,6,7,8-HpCDD	6.05e3	1.07	NO	0.918	10.078	38.211	38.22	1.000	1.001	1.1985		0.0983	1.20
7	7 OCDD	4.85e4	0.88	NO	0.866	10.078	41.113	41.12	1.000	1.000	14.167		0.116	14.2
8	8 2,3,7,8-TCDF	1.18e3	0.71	NO	0.848	10.078	25.687	25.71	1.000	1.001	0.097876		0.0185	0.0979
9	9 1,2,3,7,8-PeCDF	1.42e3	1.64	NO	0.960	10.078	29.800	29.81	1.000	1.000	0.12094		0.0355	0.121
10	10 2,3,4,7,8-PeCDF	1.29e3	0.64	YES	1.07	10.078	30.889	30.88	1.001	1.000	0.10715		0.0250	0.0687
11	11 1,2,3,4,7,8-HxCDF	1.35e3	1.20	NO	0.986	10.078	33.457	33.47	1.000	1.001	0.16640		0.0333	0.166
12	12 1,2,3,6,7,8-HxCDF	4.64e2	1.16	NO	1.04	10.078	33.603	33.60	1.001	1.001	0.055480		0.0320	0.0555
13	13 2,3,4,6,7,8-HxCDF			NO	1.02	10.078	34.264		1.001				0.0354	
14	14 1,2,3,7,8,9-HxCDF	2.85e2	1.20	NO	0.991	10.078	35.259	35.25	1.000	1.000	0.039980		0.0452	0.0400
15	15 1,2,3,4,6,7,8-HpCDF	1.49e3	1.03	NO	1.05	10.078	36.824	36.84	1.000	1.001	0.25812		0.0496	0.258
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.18	10.078	38.828		1.000				0.0407	
17	17 OCDF	1.74e3	0.84	NO	0.896	10.078	41.406	41.41	1.000	1.000	0.43246		0.0433	0.432
18	18 13C-2,3,7,8-TCDD	2.00e6	0.78	NO	1.06	10.078	26.383	26.38	1.030	1.030	207.04	104	0.0974	
19	19 13C-1,2,3,7,8-PeCDD	1.62e6	0.64	NO	0.785	10.078	31.229	31.06	1.219	1.213	225.17	113	0.134	
20	20 13C-1,2,3,4,7,8-HxCDD	1.22e6	1.29	NO	0.621	10.078	34.348	34.36	1.014	1.014	225.25	114	0.303	
21	21 13C-1,2,3,6,7,8-HxCDD	1.36e6	1.27	NO	0.734	10.078	34.470	34.47	1.017	1.017	211.49	107	0.256	
22	22 13C-1,2,3,7,8,9-HxCDD	1.35e6	1.25	NO	0.723	10.078	34.755	34.74	1.026	1.025	213.67	108	0.260	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.09e6	1.06	NO	0.568	10.078	38.255	38.20	1.129	1.127	220.15	111	0.574	
24	24 13C-OCDD	1.57e6	0.90	NO	0.496	10.078	41.193	41.10	1.216	1.213	362.41	91.3	0.360	
25	25 13C-2,3,7,8-TCDF	2.82e6	0.78	NO	0.919	10.078	25.682	25.68	1.003	1.003	207.53	105	0.0856	
26	26 13C-1,2,3,7,8-PeCDF	2.43e6	1.59	NO	0.715	10.078	29.938	29.80	1.169	1.163	229.71	116	0.223	
27	27 13C-2,3,4,7,8-PeCDF	2.24e6	1.59	NO	0.689	10.078	31.027	30.87	1.212	1.205	220.36	111	0.232	
28	28 13C-1,2,3,4,7,8-HxCDF	1.63e6	0.51	NO	0.873	10.078	33.453	33.45	0.987	0.987	213.64	108	0.294	
29	29 13C-1,2,3,6,7,8-HxCDF	1.60e6	0.51	NO	0.933	10.078	33.582	33.58	0.991	0.991	196.00	98.8	0.275	
30	30 13C-2,3,4,6,7,8-HxCDF	1.56e6	0.51	NO	0.843	10.078	34.250	34.24	1.011	1.011	211.37	107	0.305	
31	31 13C-1,2,3,7,8,9-HxCDF	1.43e6	0.51	NO	0.780	10.078	35.249	35.25	1.040	1.040	209.56	106	0.329	

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-11.qld

Last Altered: Tuesday, December 15, 2020 10:10:04 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 10:10:46 AM Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

#	Name	Resp.	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DU	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.09e6	0.43	NO	0.726	10.078	36.825	36.81	1.087	1.086	171.90	86.6	0.339	
33	13C-1,2,3,4,7,8,9-HpCDF	8.98e5	0.43	NO	0.491	10.078	38.835	38.82	1.146	1.145	209.34	105	0.501	
34	13C-OCDF	1.78e6	0.88	NO	0.565	10.078	41.410	41.40	1.222	1.222	360.93	90.9	0.393	
35	37Cl-2,3,7,8-TCDD	8.91e5			1.22	10.078	26.378	26.39	1.030	1.031	79.917	101	0.0179	
36	13C-1,2,3,4-TCDD	1.82e6	0.79	NO	1.00	10.078	25.640	25.61	1.000	1.000	198.44	100	0.103	
37	13C-1,2,3,4-TCDF	2.93e6	0.79	NO	1.00	10.078	24.130	24.12	1.000	1.000	198.44	100	0.0787	
38	13C-1,2,3,4,6,9-HxCDF	1.73e6	0.51	NO	1.00	10.078	33.920	33.89	1.000	1.000	198.44	100	0.257	
39	Total Tetra-Dioxins				0.980	10.078	24.620		0.000		0.13950		0.0201	0.140
40	Total Penta-Dioxins				0.932	10.078	29.960		0.000		0.17425		0.0304	0.174
41	Total Hexa-Dioxins				0.902	10.078	33.635		0.000		0.98942		0.0484	0.989
42	Total Hepta-Dioxins				0.918	10.078	37.640		0.000		3.0193		0.0983	3.02
43	Total Tetra-Furans				0.848	10.078	23.610		0.000		0.27312		0.0185	0.273
44	1st Func. Penta-Furans				0.960	10.078	26.930		0.000		0.082016		0.0106	0.0820
45	Total Penta-Furans				0.960	10.078	29.275		0.000		0.21965		0.0372	0.288
46	Total Hexa-Furans				1.02	10.078	33.555		0.000		0.47667		0.0358	0.521
47	Total Hepta-Furans				1.05	10.078	37.835		0.000		0.25812		0.0478	0.560

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-11.qld

Last Altered: Tuesday, December 15, 2020 10:10:04 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 10:10:46 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
 Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Tetra-Dioxins	24.31	8.626e3	1.214e4	6.403e2	7.400e2	0.87	NO	1.380e3	0.13950	0.13950	0.0201

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Penta-Dioxins	29.28	4.297e3	8.439e3	2.529e2	4.573e2	0.55	NO	7.102e2	0.093406	0.093406	0.0304
2 Total Penta-Dioxins	30.31	3.843e3	4.683e3	2.401e2	3.745e2	0.64	NO	6.147e2	0.080842	0.080842	0.0304

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Dioxins	32.72	3.790e4	3.229e4	2.090e3	1.605e3	1.30	NO	3.695e3	0.62095	0.62095	0.0484
2 Total Hexa-Dioxins	33.60	1.668e4	1.311e4	1.275e3	9.183e2	1.39	NO	2.193e3	0.36847	0.36847	0.0484

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.22	6.185e4	5.895e4	4.680e3	4.516e3	1.04	NO	9.197e3	1.8209	1.8209	0.0983
2 1,2,3,4,6,7,8-HpCDD	38.22	4.813e4	4.942e4	3.122e3	2.931e3	1.07	NO	6.053e3	1.1985	1.1985	0.0983

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Tetra-Furans	21.69	2.169e3	2.169e3	1.642e2	2.109e2	0.78	NO	3.751e2	0.031115	0.031115	0.0185
2 Total Tetra-Furans	22.62	2.775e3	3.451e3	1.939e2	2.451e2	0.79	NO	4.390e2	0.036421	0.036421	0.0185
3 Total Tetra-Furans	24.68	6.481e3	7.573e3	3.937e2	5.254e2	0.75	NO	9.191e2	0.076249	0.076249	0.0185
4 Total Tetra-Furans	25.61	2.513e3	3.152e3	1.731e2	2.061e2	0.84	NO	3.791e2	0.031454	0.031454	0.0185
5 2,3,7,8-TCDF	25.71	7.193e3	1.041e4	4.893e2	6.904e2	0.71	NO	1.180e3	0.097876	0.097876	0.0185

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-11.qld

Last Altered: Tuesday, December 15, 2020 10:10:04 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 10:10:46 AM Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1st Func. Penta-Furans	27.19	9.135e3	7.107e3	5.607e2	3.661e2	1.53	NO	9.268e2	0.082016	0.082016	0.0106

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Furans	28.85	8.641e3	4.776e3	6.996e2	4.158e2	1.68	NO	1.115e3	0.098709	0.098709	0.0372
1,2,3,7,8-PeCDF	29.81	1.582e4	1.293e4	8.832e2	5.377e2	1.64	NO	1.421e3	0.12094	0.12094	0.0355
2,3,4,7,8-PeCDF	30.88	7.712e3	1.190e4	5.040e2	7.890e2	0.64	YES	1.293e3	0.00000	0.068712	0.0350

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Furans	32.19	3.795e3	2.460e3	1.336e2	1.100e2	1.21	NO	2.437e2	0.030521	0.030521	0.0358
Total Hexa-Furans	32.38	7.159e3	9.801e3	3.819e2	3.307e2	1.15	NO	7.126e2	0.089252	0.089252	0.0358
Total Hexa-Furans	32.99	9.531e3	6.601e3	4.342e2	3.246e2	1.34	NO	7.588e2	0.095041	0.095041	0.0358
1,2,3,4,7,8-HxCDF	33.47	1.109e4	9.149e3	7.356e2	6.118e2	1.20	NO	1.347e3	0.16640	0.16640	0.0333
1,2,3,6,7,8-HxCDF	33.60	5.401e3	4.639e3	2.491e2	2.150e2	1.16	NO	4.641e2	0.055480	0.055480	0.0320
1,2,3,7,8,9-HxCDF	35.25	5.418e3	3.838e3	1.553e2	1.297e2	1.20	NO	2.850e2	0.039980	0.039980	0.0452
Total Hexa-Furans	35.29	4.219e3	4.403e3	1.878e2	1.676e2	1.12	NO	0.000e0	0.00000	0.044515	0.0358

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDF	36.84	1.027e4	1.145e4	7.545e2	7.341e2	1.03	NO	1.489e3	0.25812	0.25812	0.0496
Total Hepta-Furans	37.55	1.088e4	1.284e4	8.078e2	9.487e2	0.85	YES	0.000e0	0.00000	0.30139	0.0478

Dataset: Untitled

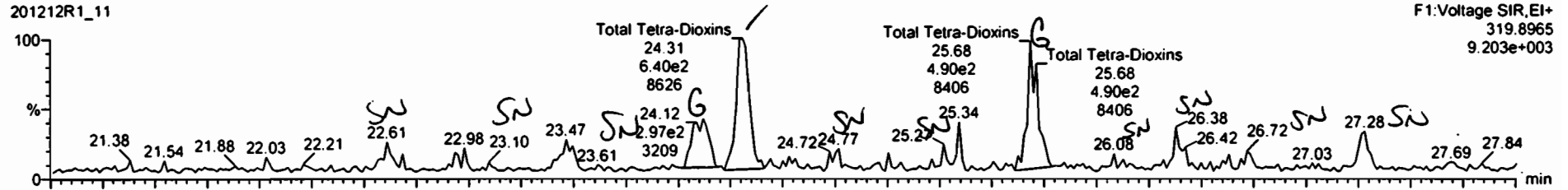
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

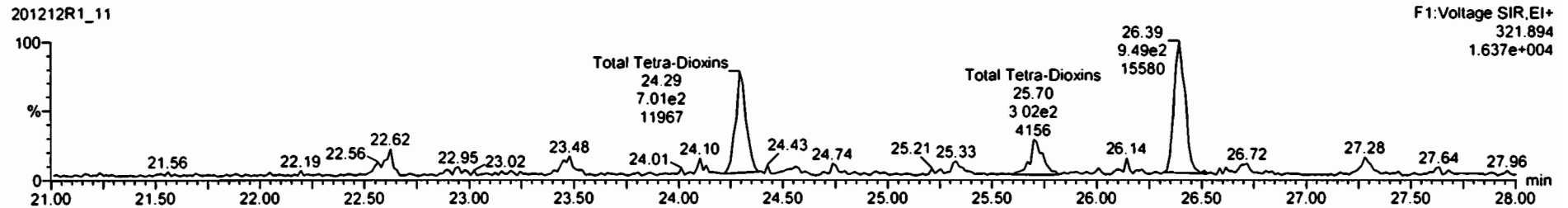
Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

2,3,7,8-TCDD

201212R1_11

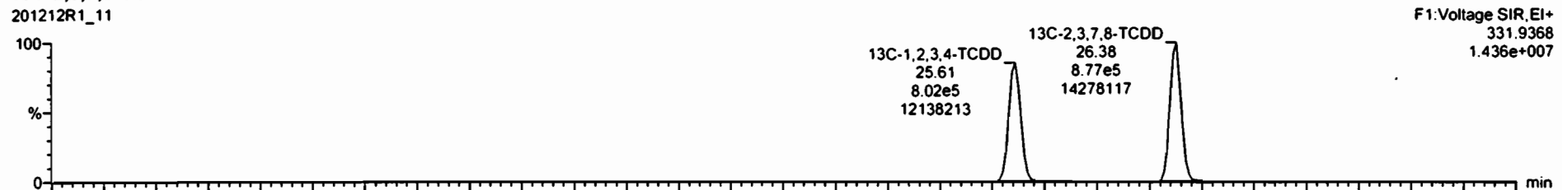


201212R1_11

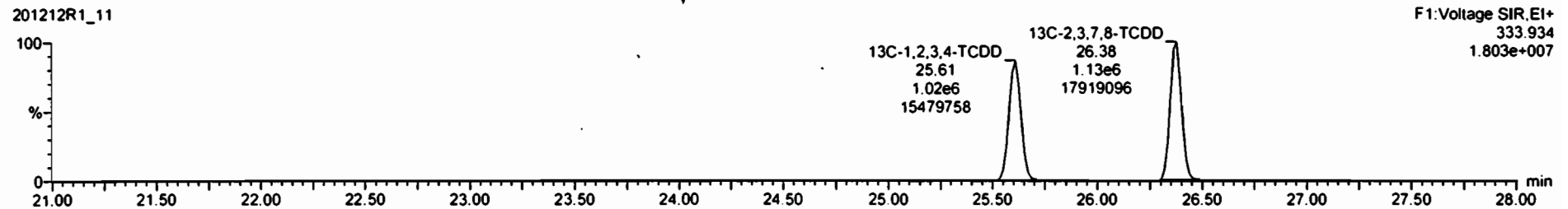


13C-2,3,7,8-TCDD

201212R1_11



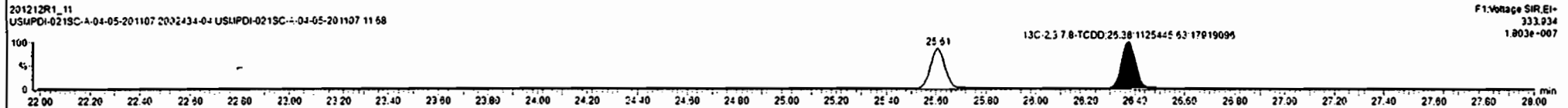
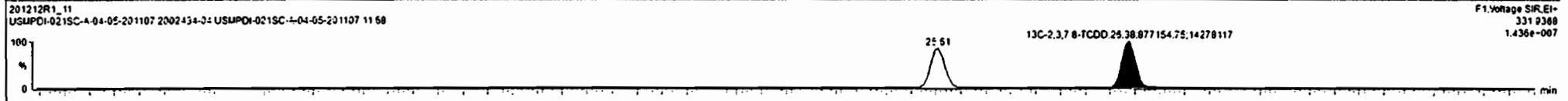
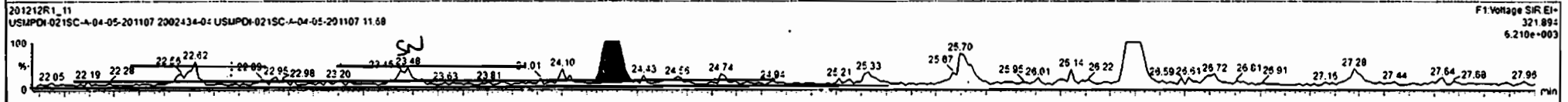
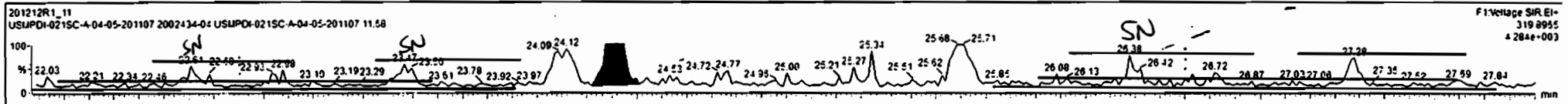
201212R1_11



201212R1_11_2002434-04_USMPDI-021SC-A-04-05-201107_11_68_USMPDI-021SC-A-04-05-201107

Name	Resp	RA	ny	RRF	wt%wt	RT	RET	Conc.	%Rec	DL	EMPC
39	Total Tetra-Chloro			0.6805	10.078			0.008		0.00948	0.125

Name	RT	m1 Resp	m2 Resp	RA	ny	EMPC	Conc.	
1	Total Tetra-Chloro	24.31	6.403e2	7.010e2	0.51	YES	5.12559	0.00000



Dataset: Untitled

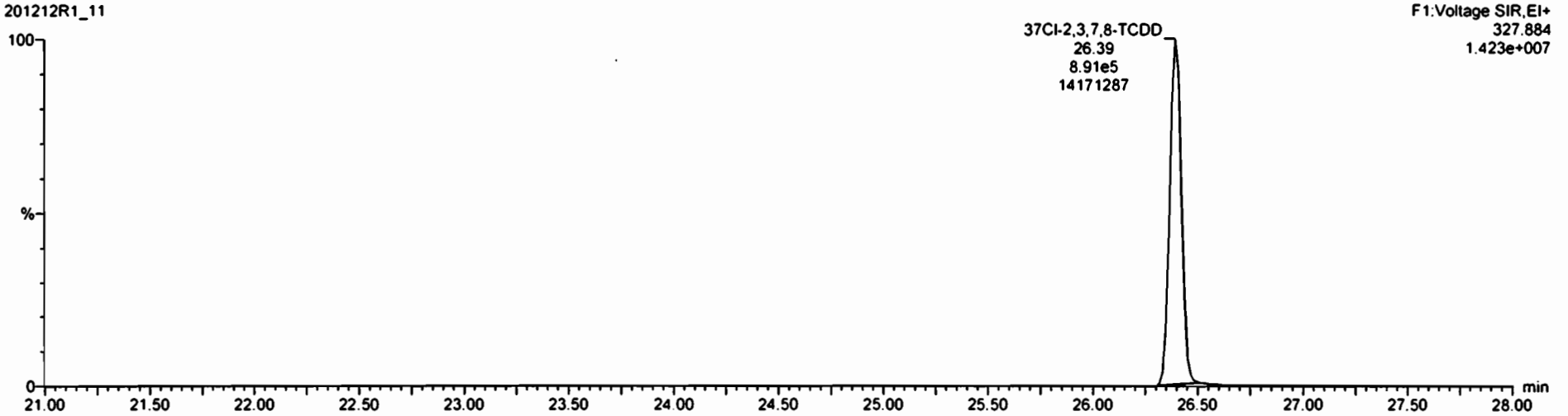
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

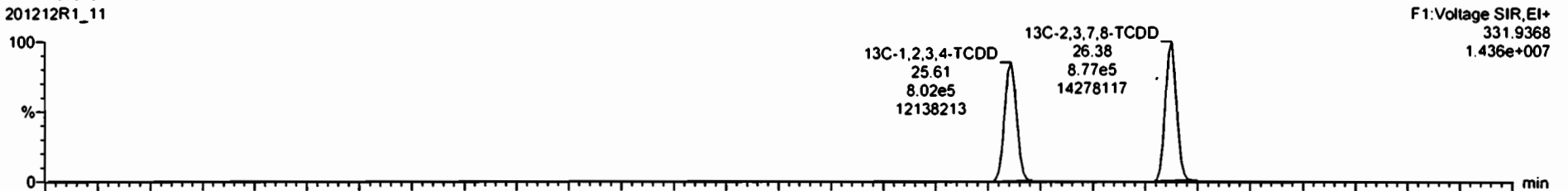
37Cl-2,3,7,8-TCDD

201212R1_11

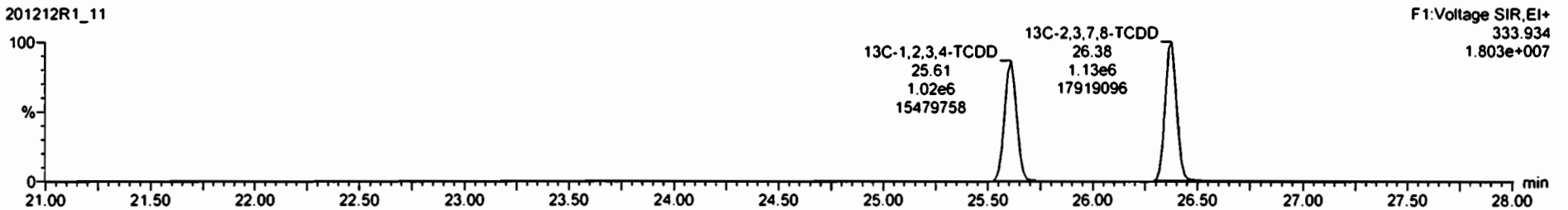


13C-1,2,3,4-TCDD

201212R1_11



201212R1_11



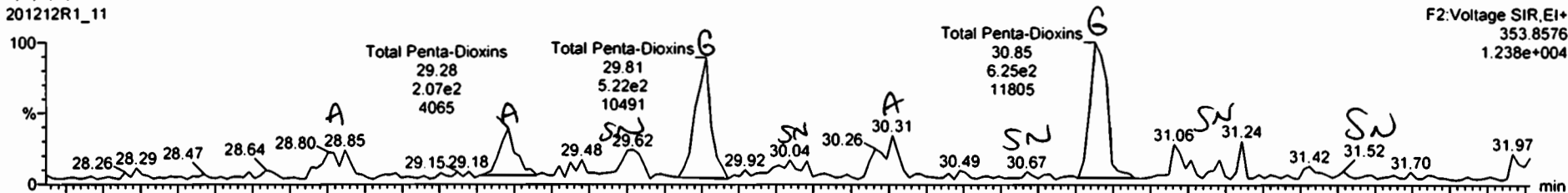
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

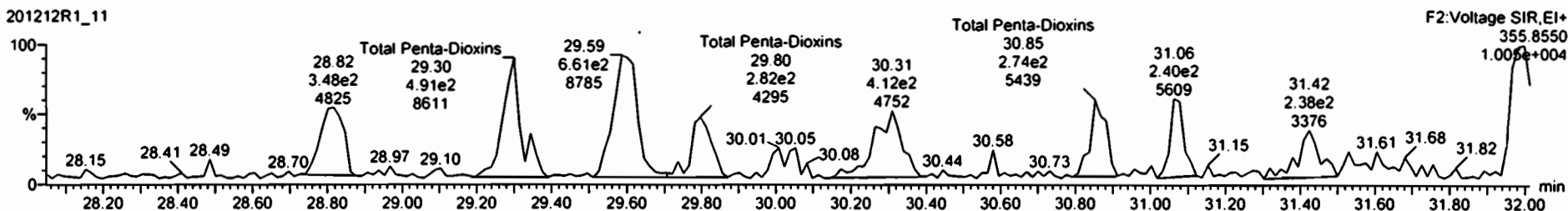
Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

1,2,3,7,8-PeCDD

201212R1_11



201212R1_11

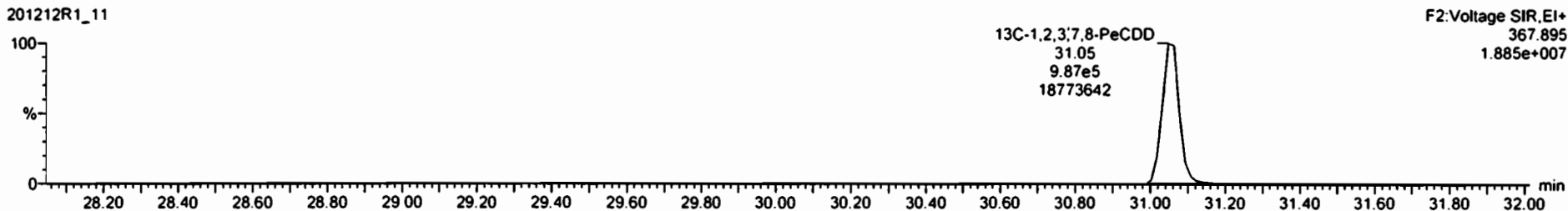


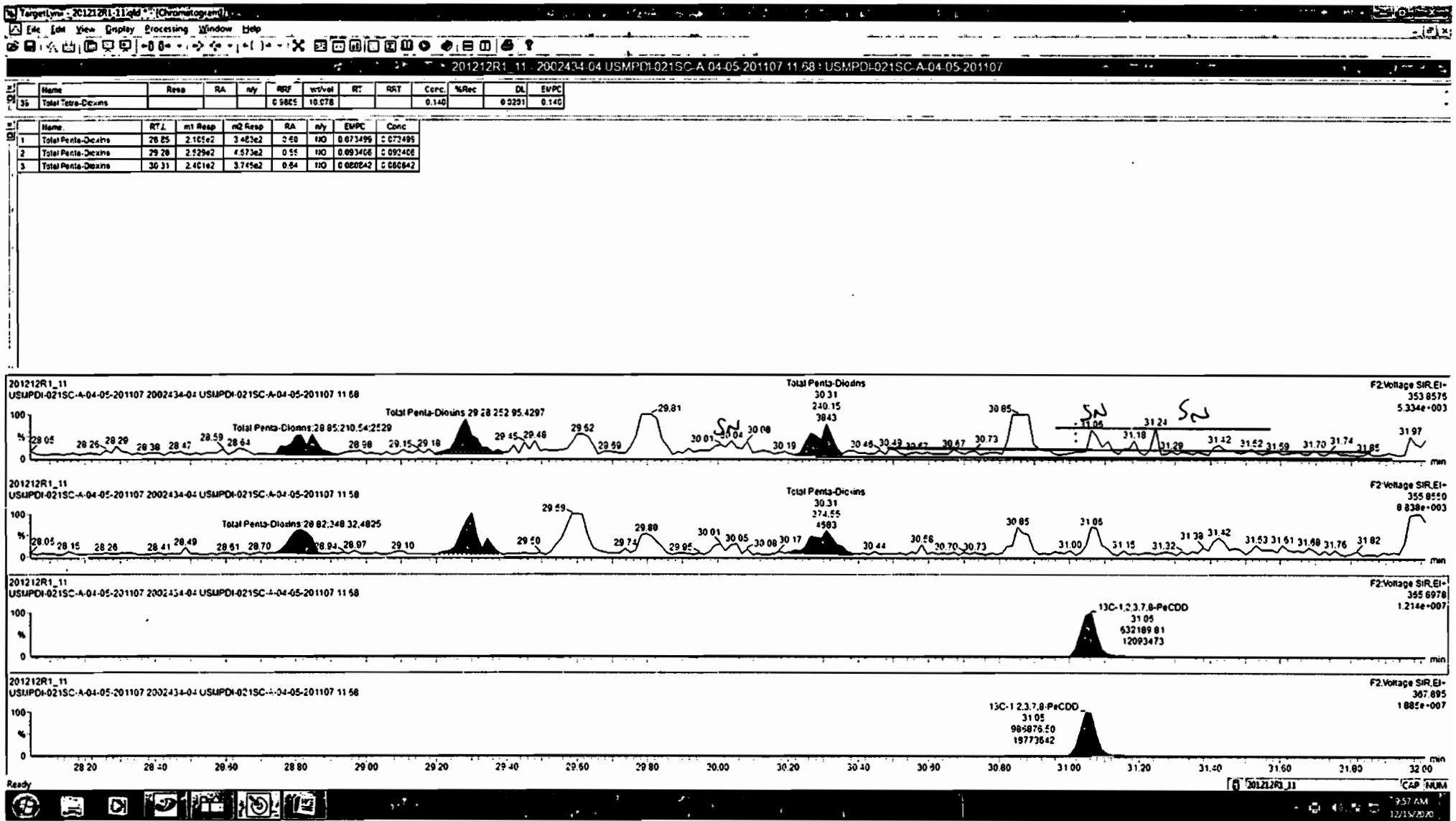
13C-1,2,3,7,8-PeCDD

201212R1_11



201212R1_11





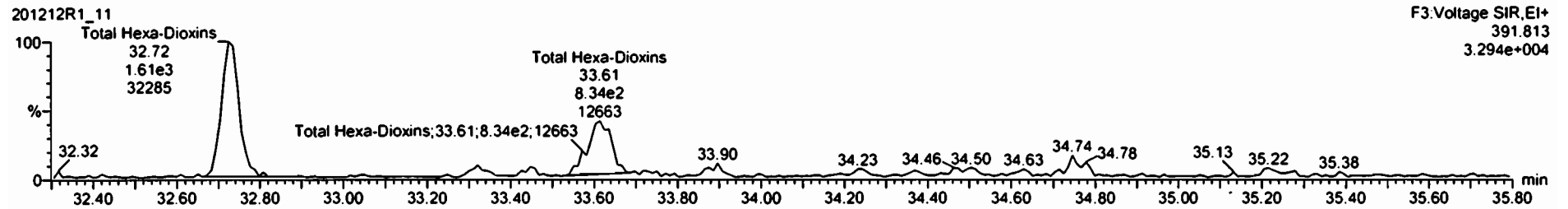
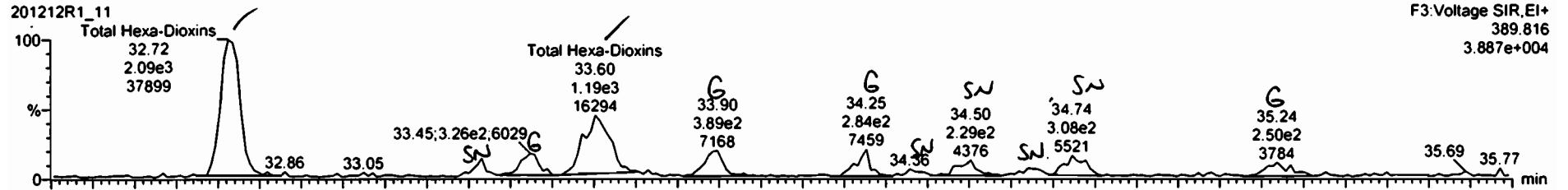
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

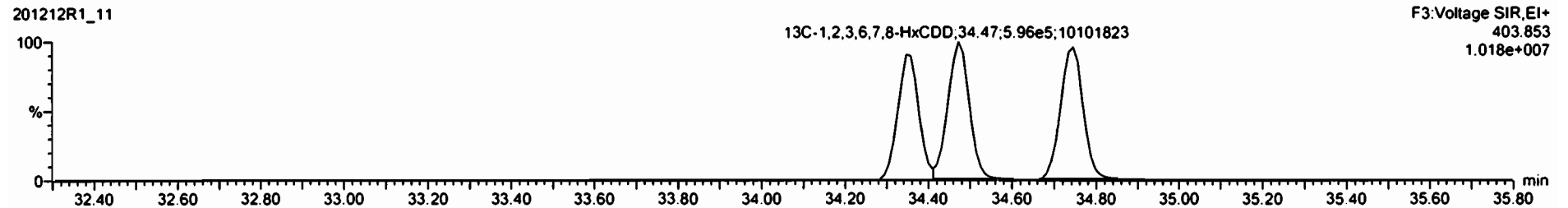
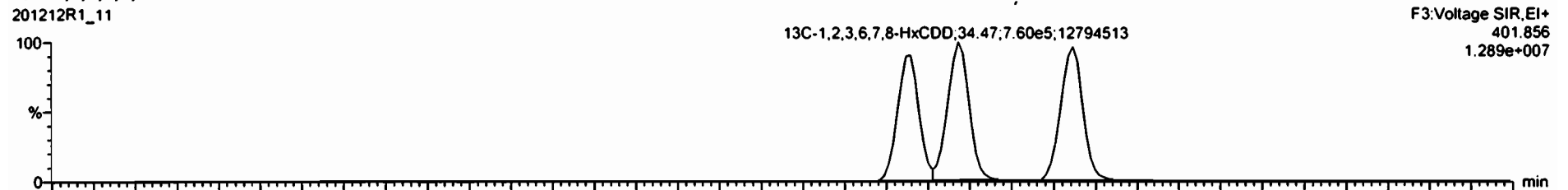
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

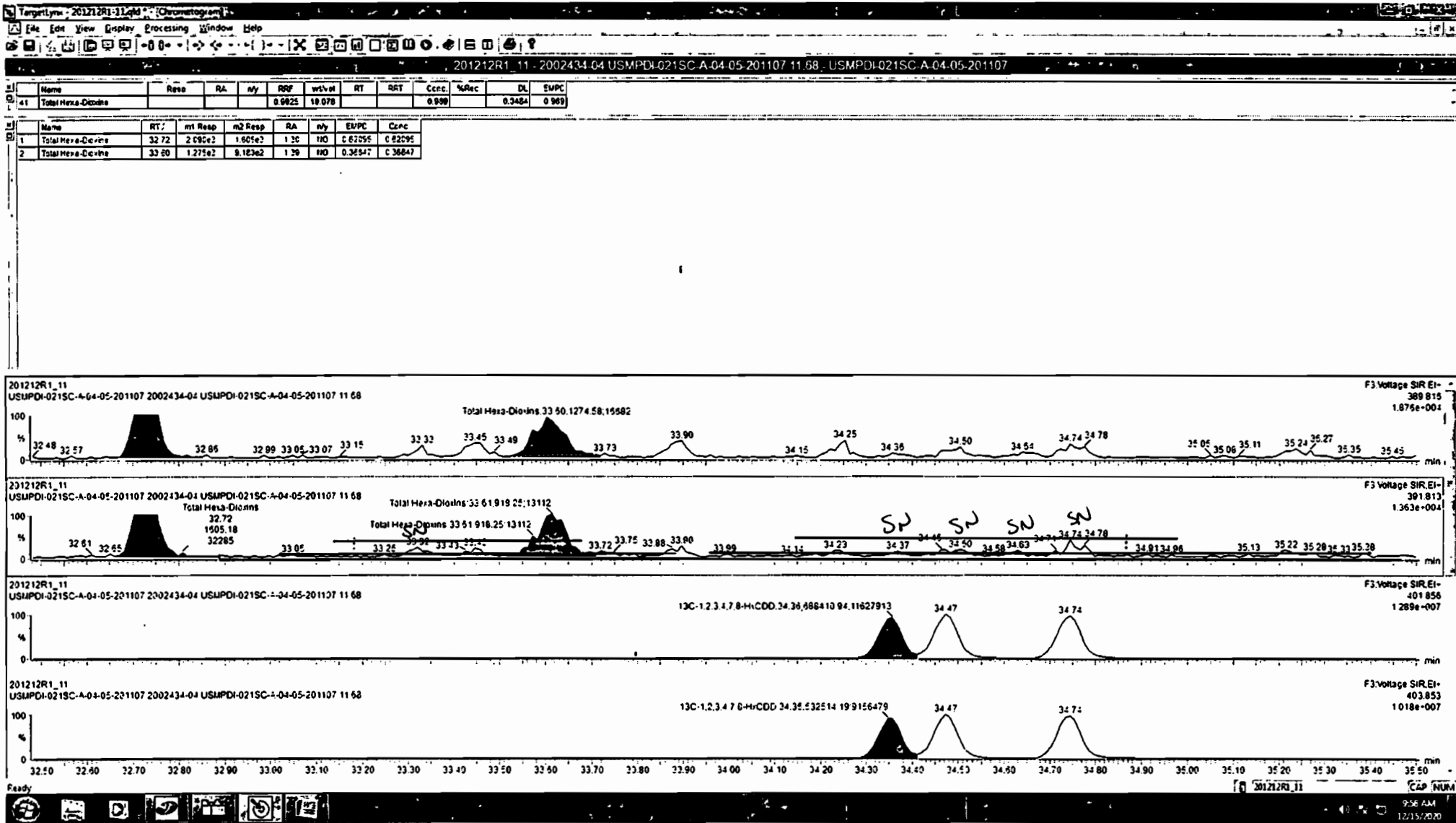
Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

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



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



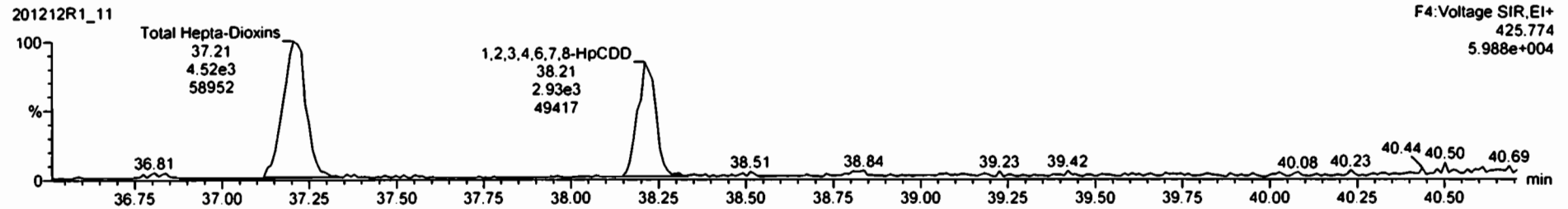
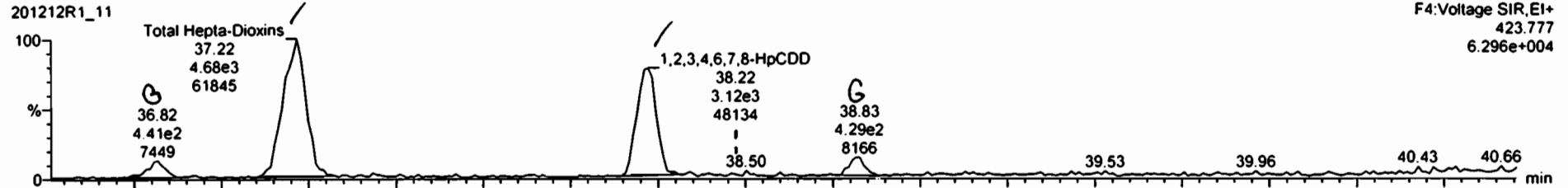


Dataset: Untitled

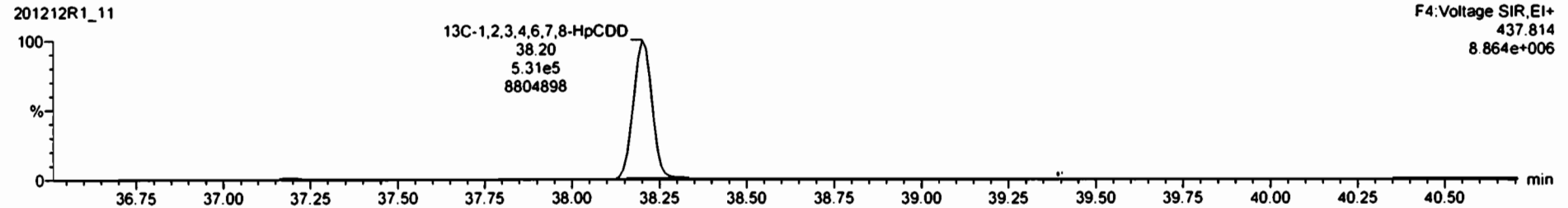
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

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



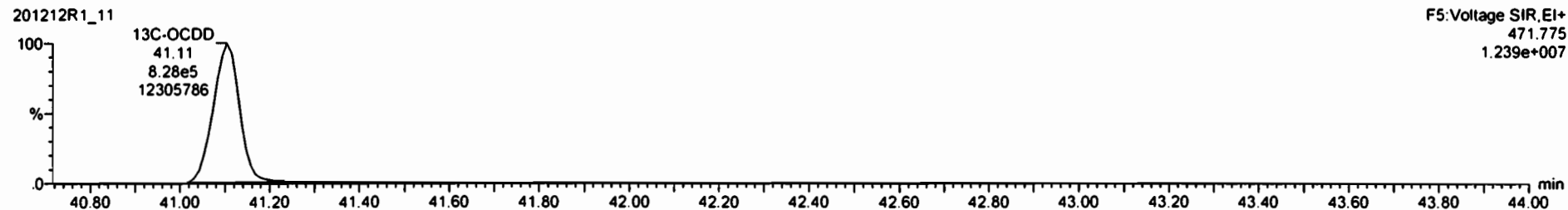
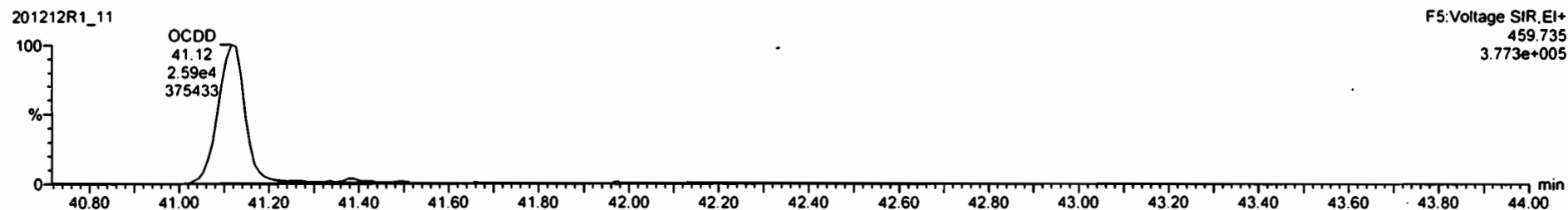
13C-1,2,3,4,6,7,8-HpCDD



Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

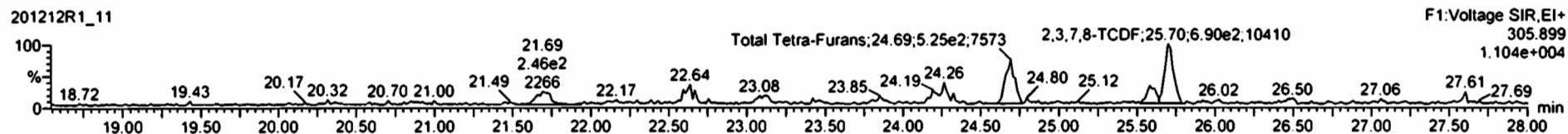
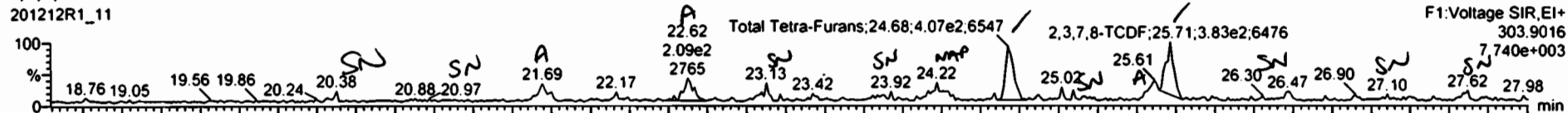


Dataset: Untitled

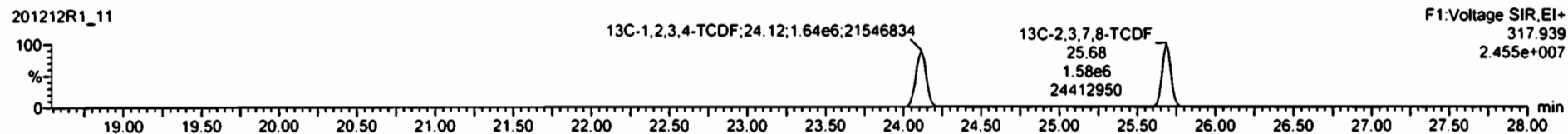
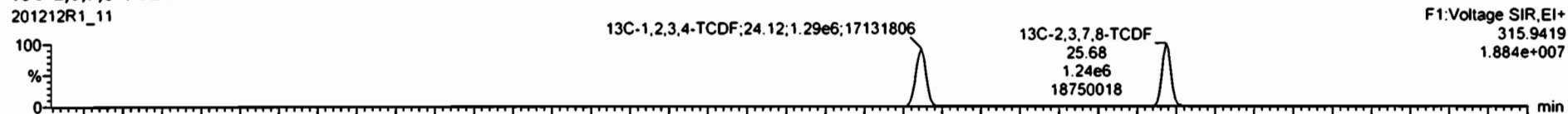
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

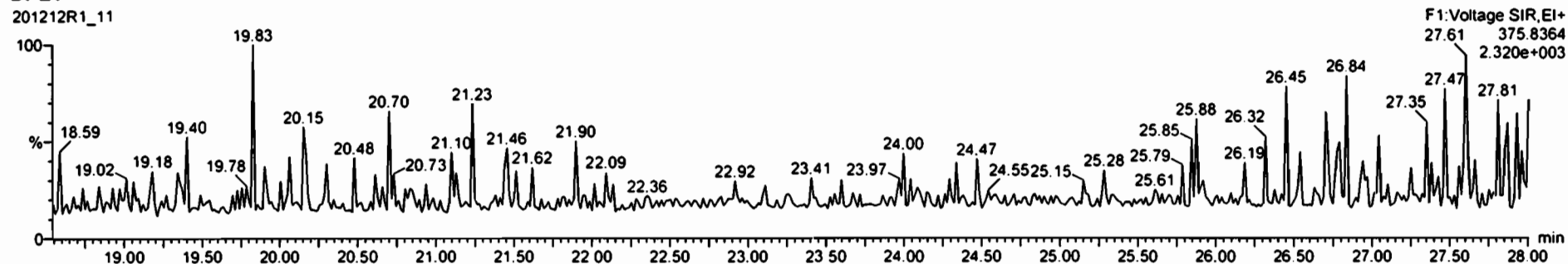
2,3,7,8-TCDF



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

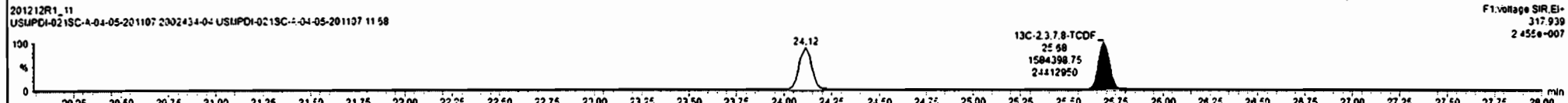
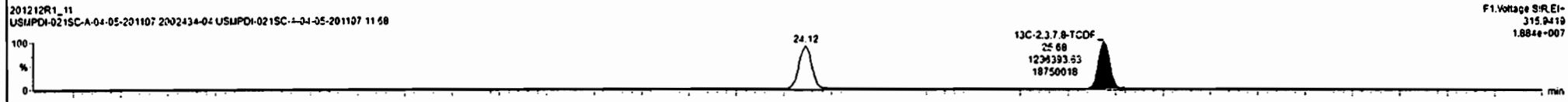
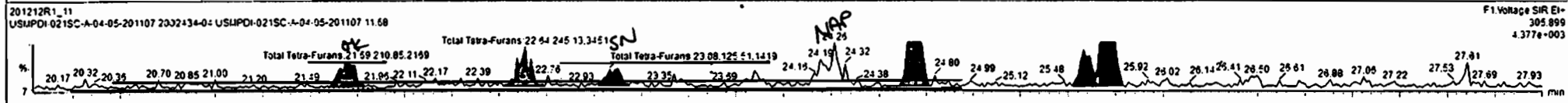
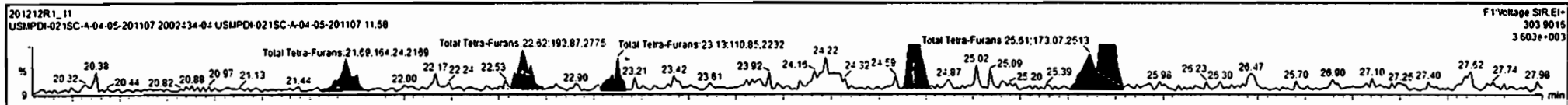


DPE1



Name	Resp	RA	n/y	RF	w/w	RT	QRT	Conc.	%Rec	DL	EUPC
43 Total Tetra-Furans				0.8480	18.078			0.293		0.0185	0.293

Name	RT:	m1 Resp	m2 Resp	RA	n/y	EUPC	Conc.
1 Total Tetra-Furans	21.29	1.642e2	2.109e2	0.78	HO	0.031119	0.031119
2 Total Tetra-Furans	22.82	1.935e2	2.451e2	0.79	HO	0.036421	0.036421
3 Total Tetra-Furans	23.13	1.105e2	1.255e2	0.88	HO	0.019809	0.019809
4 Total Tetra-Furans	24.88	3.937e2	5.254e2	0.75	HO	0.076248	0.076248
5 Total Tetra-Furans	25.81	1.731e2	2.091e2	0.84	HO	0.031454	0.031454
6 2,3,7,8-TCDF	25.71	4.882e2	6.904e2	0.71	HO	0.097876	0.097876



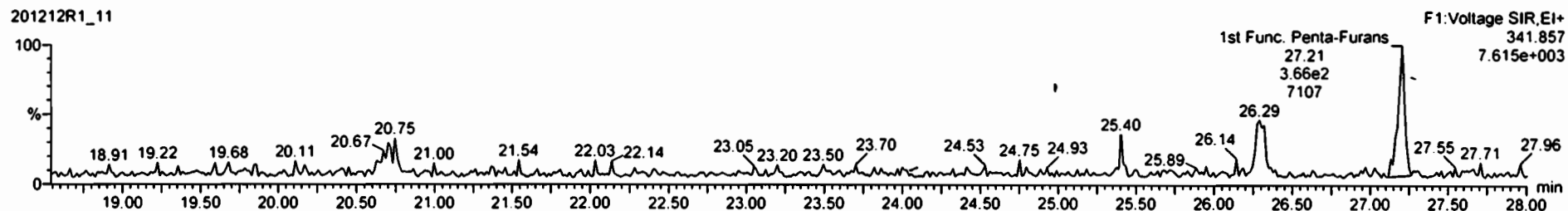
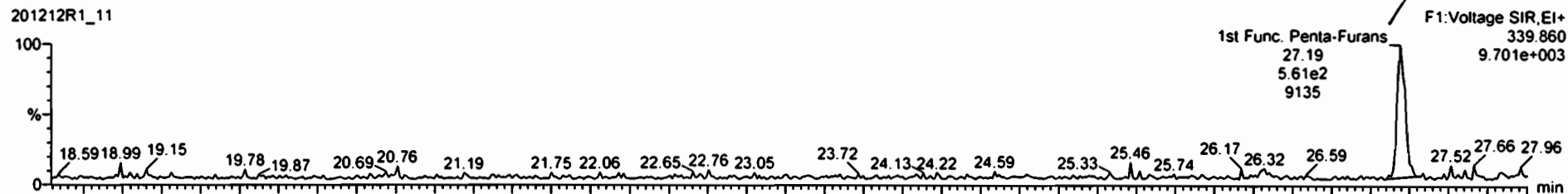
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

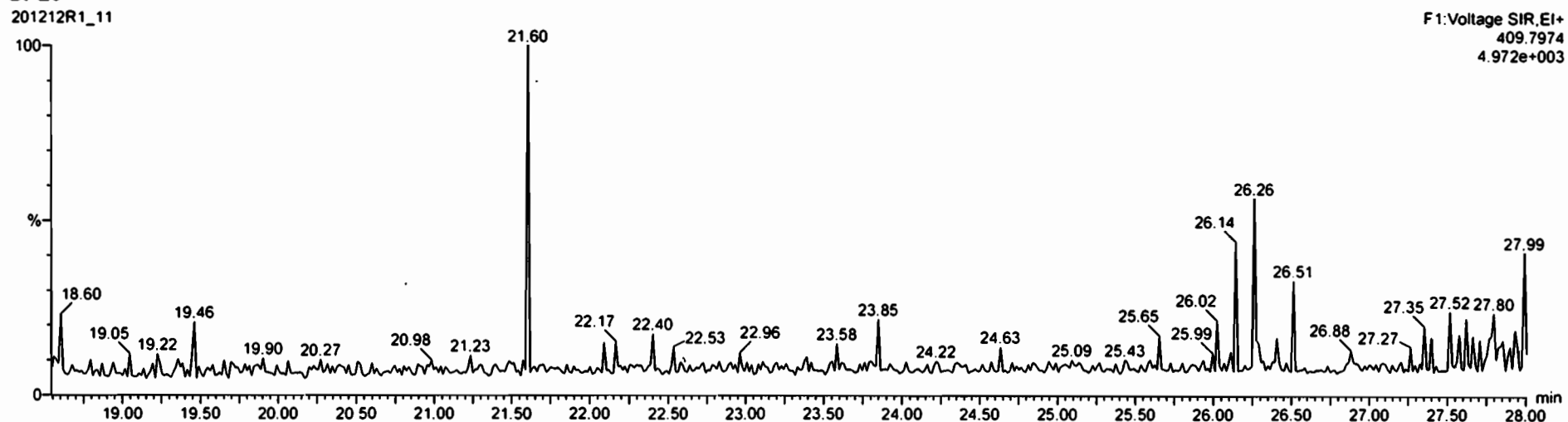
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

1st Func. Penta-Furans



DPE6



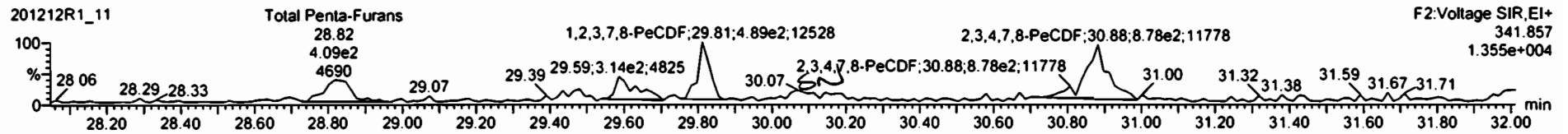
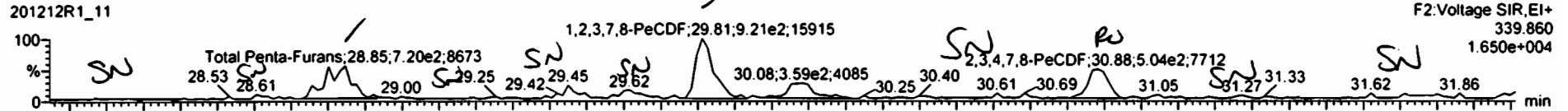
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

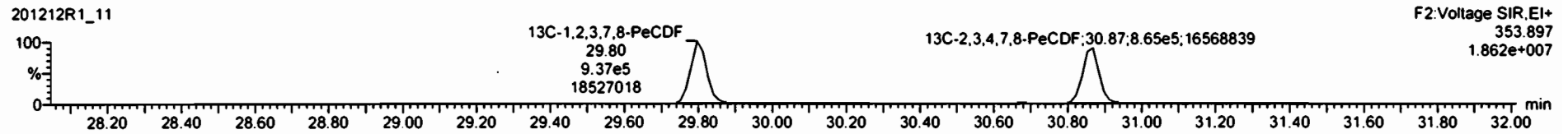
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

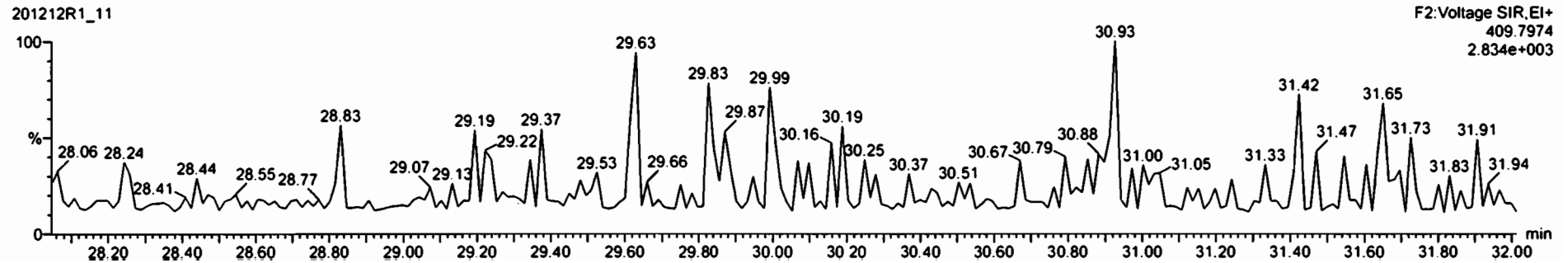
1,2,3,7,8-PeCDF



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

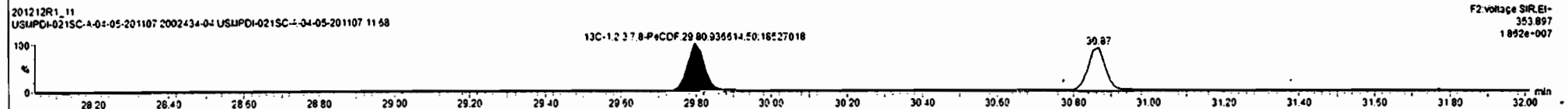
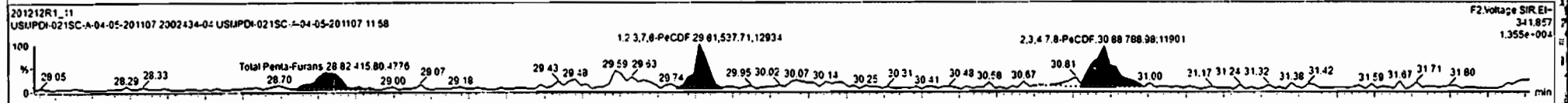
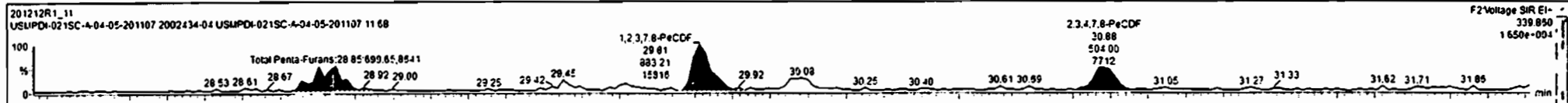


DPE2



Name	Resp	RA	n/y	RRF	wt/vol	RT	QRT	Conc.	%Rec	DL	EMPC
Total Penta-Furans	=			0.9597	10.078			0.220	0.0372	0.288	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	28.85	6.996e2	4.158e2	1.68	NO	0.050709	0.096703
2 1,2,3,7,8-PeCDF	29.81	8.832e2	5.377e2	1.64	NO	0.12054	0.12094
3 2,3,4,7,8-PeCDF	30.88	5.642e2	7.890e2	0.64	YES	0.008712	0.00500

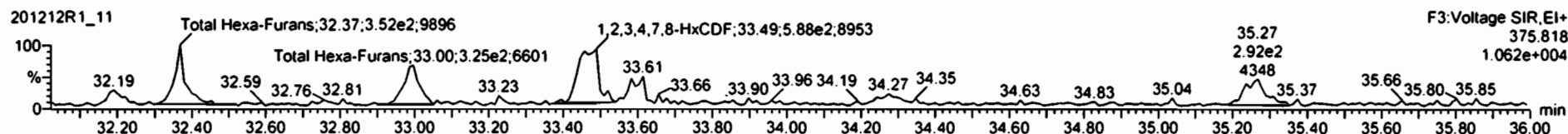
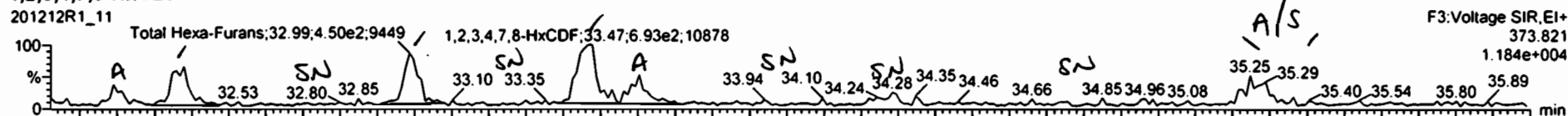


Dataset: Untitled

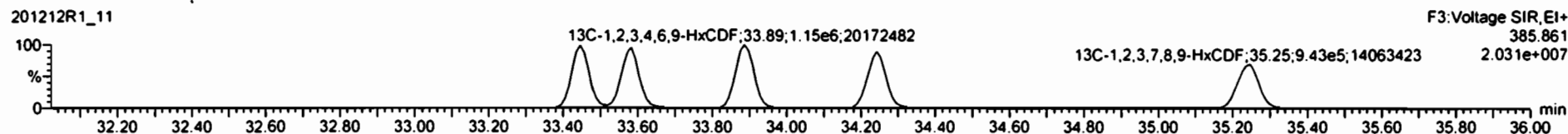
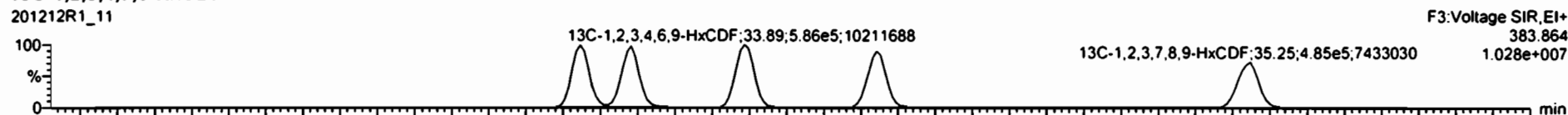
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

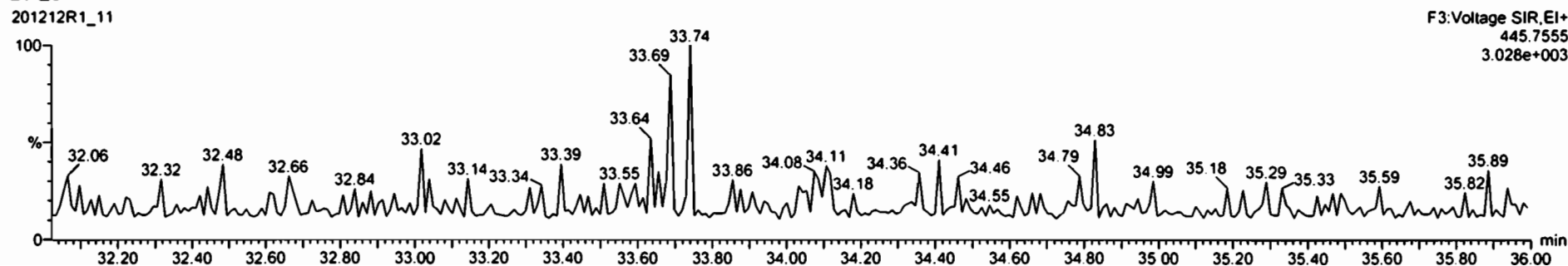
1,2,3,4,7,8-HxCDF



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

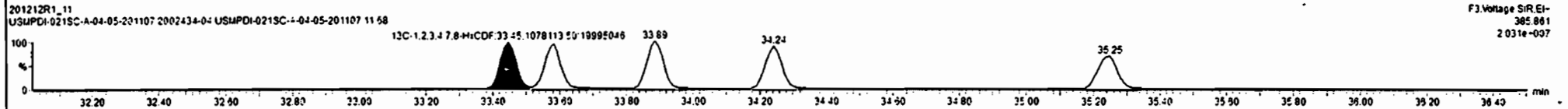
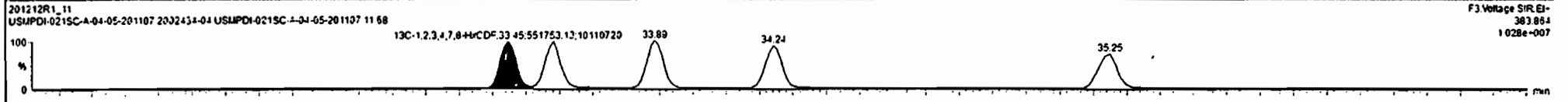
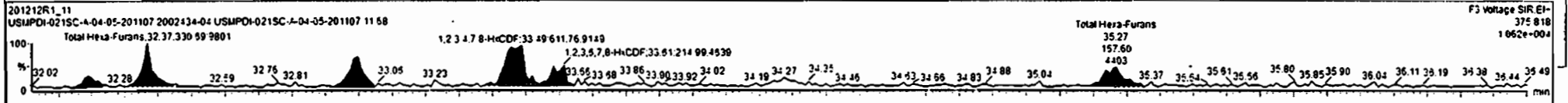
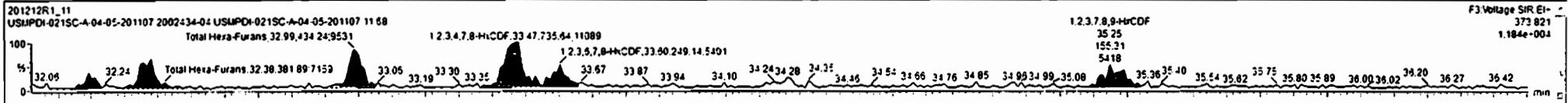


DPE3



Name	Resp	RA	n/y	RF	wt/Vol	RT	QRT	Conc.	%Rec	DL	EMPC
45	Total Hexa-Furans			0.9597	10.078			0.220		0.0372	0.282

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.	
1	Total Hexa-Furans	32.19	1.339e2	1.100e2	1.21	HO	0.030521	0.030521
2	Total Hexa-Furans	32.38	3.815e2	3.307e2	1.15	HO	0.029252	0.029252
3	Total Hexa-Furans	32.99	4.342e2	3.246e2	1.34	HO	0.0295041	0.0295041
4	1,2,3,4,7,8-HxCDF	33.47	7.355e2	6.118e2	1.20	HO	0.15643	0.15643
5	1,2,3,6,7,8-HxCDF	33.90	2.481e2	2.150e2	1.16	HO	0.055486	0.055486
6	1,2,3,7,8,9-HxCDF	35.25	1.553e2	1.297e2	1.20	HO	0.029960	0.029960
7	Total Hexa-Furans	35.29	1.878e2	1.676e2	1.12	HO	0.044515	0.044515

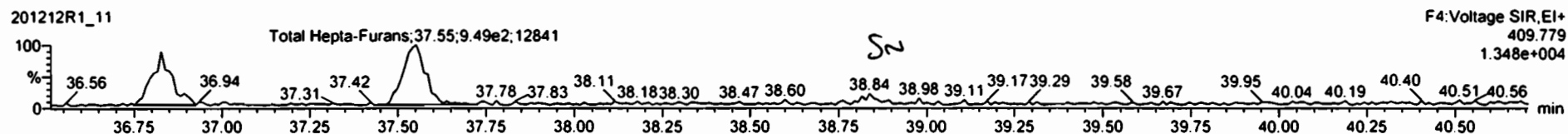
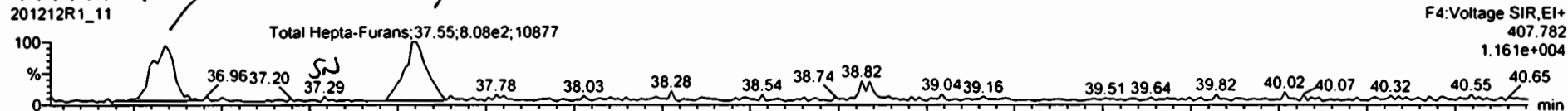


Dataset: Untitled

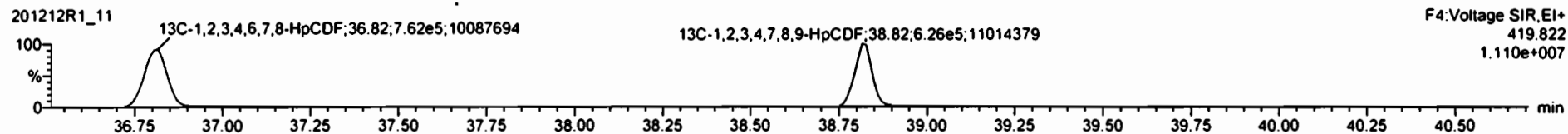
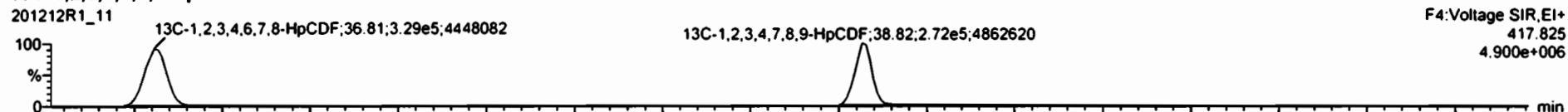
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

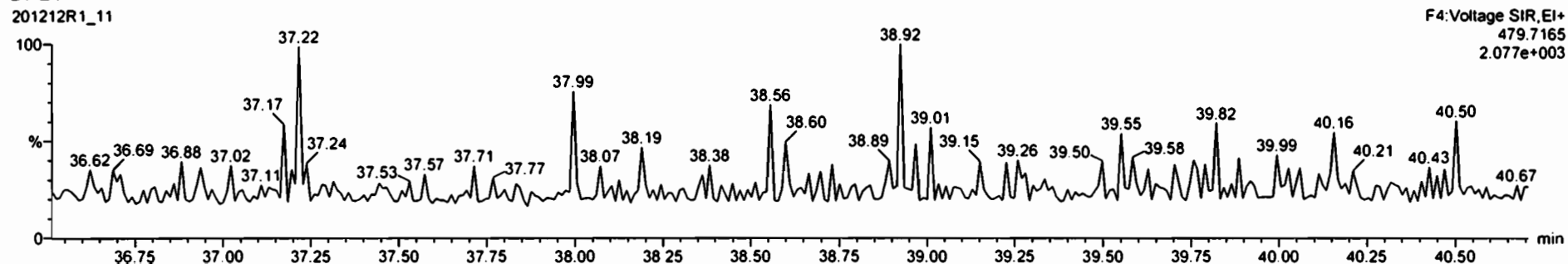
1,2,3,4,6,7,8-HpCDF



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



DPE4

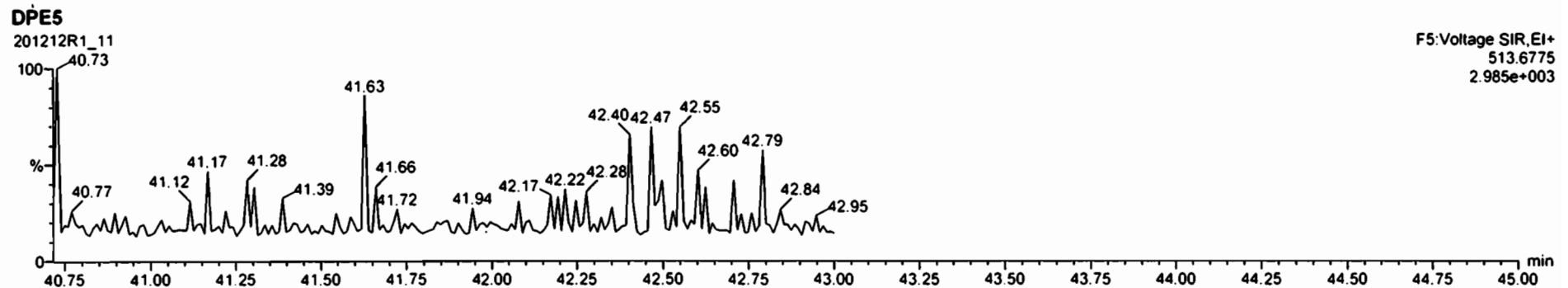
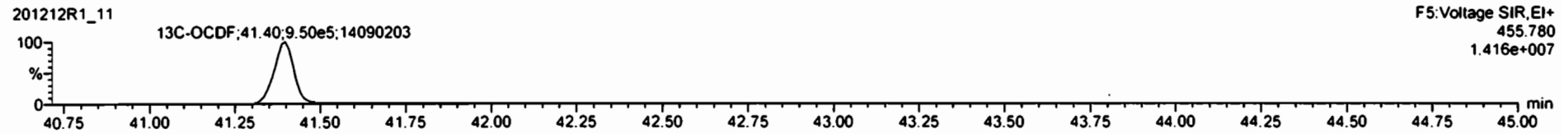
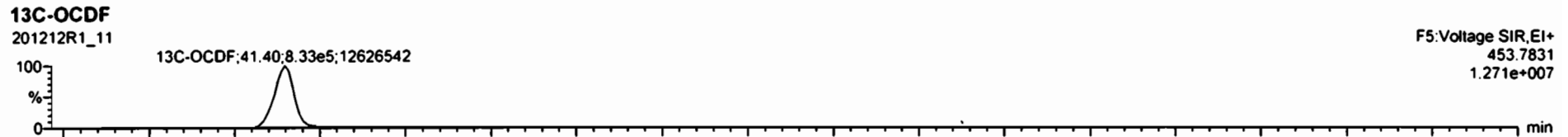
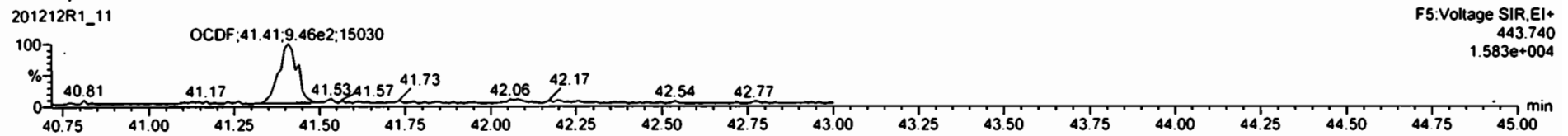
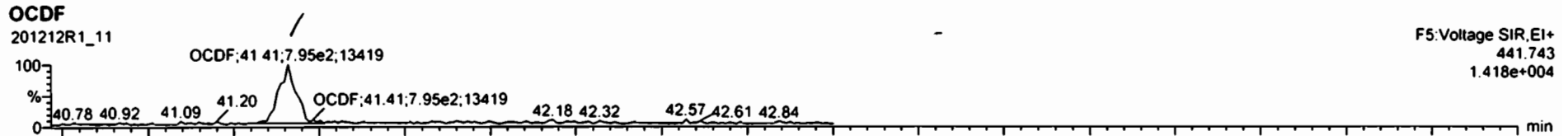


Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107

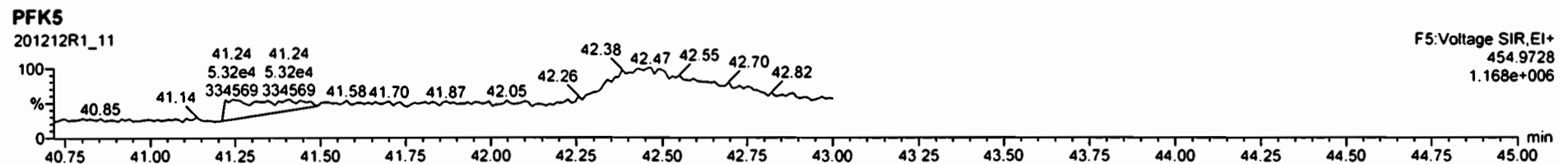
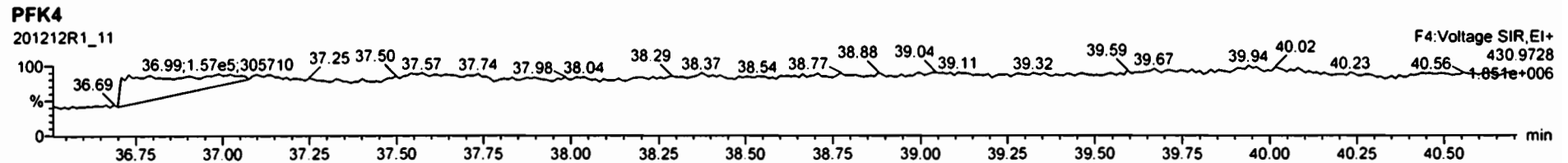
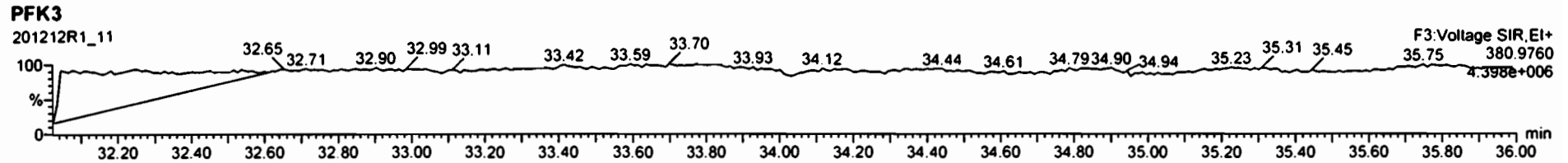
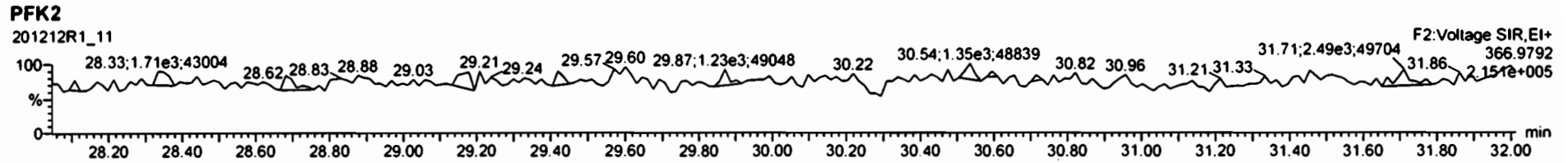
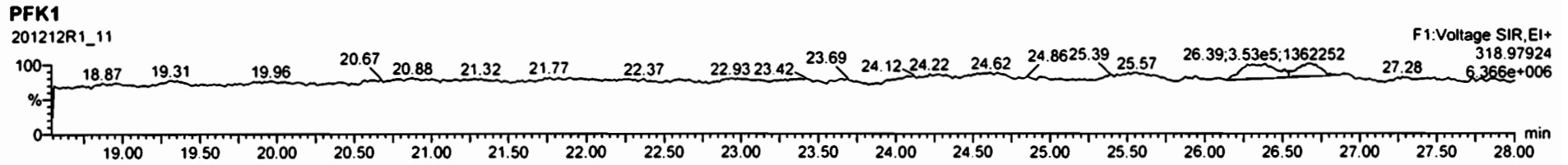


Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_11, Date: 12-Dec-2020, Time: 19:12:18, ID: 2002434-04 USMPDI-021SC-A-04-05-201107 11.68, Description: USMPDI-021SC-A-04-05-201107



Dataset: U:\VG12.PRO\Results\201213R2\201213R2-5.qld

Last Altered: Monday, December 14, 2020 2:34:11 PM Pacific Standard Time
Printed: Monday, December 14, 2020 2:34:29 PM Pacific Standard Time

GRB 12/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\1613vgt-12-03-20.cdb 04 Dec 2020 11:36:07

*MU
12/23/20*

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.26e3	0.15	YES	0.980	10.027	26.396	26.38	1.001	1.001	0.11559		0.014	0.0348
2	1,2,3,7,8-PeCDD	4.32e2	0.61	NO	0.932	10.027	31.079	31.06	1.001	1.000	0.053596		0.0323	0.0536
3	1,2,3,4,7,8-HxCDD			NO	1.02	10.027	34.378		1.001				0.0451	
4	1,2,3,6,7,8-HxCDD	4.97e2	1.18	NO	0.902	10.027	34.494	34.50	1.001	1.001	0.077144		0.0464	0.0771
5	1,2,3,7,8,9-HxCDD	7.63e2	1.29	NO	0.954	10.027	34.755	34.77	1.000	1.001	0.11441		0.0454	0.114
6	1,2,3,4,6,7,8-HpCDD	9.54e3	0.96	NO	0.918	10.027	38.222	38.22	1.000	1.000	1.8256		0.0894	1.83
7	OCDD	8.18e4	0.89	NO	0.866	10.027	41.144	41.15	1.000	1.000	23.928		0.127	23.9
8	2,3,7,8-TCDF	1.48e3	0.87	NO	0.848	10.027	25.687	25.70	1.000	1.001	0.11559		0.0146	0.116
9	1,2,3,7,8-PeCDF	1.91e3	1.34	NO	0.960	10.027	29.799	29.83	1.000	1.001	0.15222		0.0182	0.152
10	2,3,4,7,8-PeCDF	1.26e3	1.74	NO	1.07	10.027	30.889	30.88	1.001	1.000	0.096125		0.0172	0.0961
11	1,2,3,4,7,8-HxCDF	1.92e3	1.32	NO	0.986	10.027	33.457	33.46	1.000	1.000	0.23385		0.0276	0.234
12	1,2,3,6,7,8-HxCDF	6.39e2	1.32	NO	1.04	10.027	33.603	33.59	1.001	1.000	0.075888		0.0268	0.0759
13	2,3,4,6,7,8-HxCDF	3.04e2	1.32	NO	1.02	10.027	34.263	34.28	1.001	1.001	0.038140		0.0299	0.0381
14	1,2,3,7,8,9-HxCDF	4.19e2	1.29	NO	0.991	10.027	35.258	35.27	1.000	1.001	0.057602		0.0349	0.0576
15	1,2,3,4,6,7,8-HpCDF	2.27e3	0.94	NO	1.05	10.027	36.835	36.84	1.000	1.001	0.39873		0.0278	0.399
16	1,2,3,4,7,8,9-HpCDF	3.08e2	1.05	NO	1.18	10.027	38.839	38.85	1.000	1.001	0.059038		0.0235	0.0590
17	OCDF	3.79e3	0.88	NO	0.896	10.027	41.437	41.44	1.000	1.000	0.97382		0.0253	0.974
18	13C-2,3,7,8-TCDD	2.17e6	0.78	NO	1.06	10.027	26.383	26.36	1.030	1.029	209.55	105	0.0583	
19	13C-1,2,3,7,8-PeCDD	1.72e6	0.64	NO	0.785	10.027	31.229	31.05	1.219	1.212	224.07	112	0.0810	
20	13C-1,2,3,4,7,8-HxCDD	1.30e6	1.29	NO	0.621	10.027	34.347	34.36	1.014	1.014	234.02	117	0.294	
21	13C-1,2,3,6,7,8-HxCDD	1.42e6	1.28	NO	0.734	10.027	34.469	34.47	1.017	1.017	217.15	109	0.249	
22	13C-1,2,3,7,8,9-HxCDD	1.39e6	1.27	NO	0.723	10.027	34.753	34.74	1.026	1.025	216.11	108	0.253	
23	13C-1,2,3,4,6,7,8-HpCDD	1.14e6	1.04	NO	0.568	10.027	38.254	38.21	1.129	1.128	224.04	112	0.725	
24	13C-OCDD	1.57e6	0.90	NO	0.496	10.027	41.192	41.14	1.216	1.214	355.64	89.1	0.474	
25	13C-2,3,7,8-TCDF	3.01e6	0.78	NO	0.919	10.027	25.682	25.68	1.003	1.003	214.85	108	0.0914	
26	13C-1,2,3,7,8-PeCDF	2.61e6	1.59	NO	0.715	10.027	29.938	29.80	1.169	1.163	239.29	120	0.207	
27	13C-2,3,4,7,8-PeCDF	2.44e6	1.60	NO	0.689	10.027	31.027	30.87	1.212	1.205	232.92	117	0.215	
28	13C-1,2,3,4,7,8-HxCDF	1.66e6	0.50	NO	0.873	10.027	33.452	33.45	0.987	0.987	212.47	107	0.318	
29	13C-1,2,3,6,7,8-HxCDF	1.62e6	0.51	NO	0.933	10.027	33.581	33.58	0.991	0.991	194.09	97.3	0.298	
30	13C-2,3,4,6,7,8-HxCDF	1.56e6	0.51	NO	0.843	10.027	34.249	34.24	1.011	1.011	207.11	104	0.330	
31	13C-1,2,3,7,8,9-HxCDF	1.46e6	0.50	NO	0.780	10.027	35.248	35.25	1.040	1.040	210.20	105	0.356	

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-5.qld

Last Altered: Monday, December 14, 2020 2:34:11 PM Pacific Standard Time

Printed: Monday, December 14, 2020 2:34:29 PM Pacific Standard Time

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

#	Name	Resp	RA	Ln	ny	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.08e6	0.44	NO		0.726	10.027	36.824	36.82	1.087	1.086	166.82	83.6	0.375	
33	13C-1,2,3,4,7,8,9-HpCDF	8.85e5	0.43	NO		0.491	10.027	38.833	38.83	1.146	1.146	201.85	101	0.555	
34	13C-OCDF	1.73e6	0.88	NO		0.565	10.027	41.409	41.43	1.222	1.223	343.56	86.1	0.478	
35	37Cl-2,3,7,8-TCDD	9.89e5				1.22	10.027	26.378	26.39	1.030	1.031	82.840	104	0.0240	
36	13C-1,2,3,4-TCDD	1.96e6	0.79	NO		1.00	10.027	25.640	25.61	1.000	1.000	199.47	100	0.0615	
37	13C-1,2,3,4-TCDF	3.04e6	0.78	NO		1.00	10.027	24.130	24.12	1.000	1.000	199.47	100	0.0840	
38	13C-1,2,3,4,6,9-HxCDF	1.78e6	0.51	NO		1.00	10.027	33.920	33.89	1.000	1.000	199.47	100	0.278	
39	Total Tetra-Dioxins					0.980	10.027	24.620		0.000		0.15887		0.0144	0.248
40	Total Penta-Dioxins					0.932	10.027	29.960		0.000		0.36810		0.0323	0.444
41	Total Hexa-Dioxins					0.902	10.027	33.635		0.000		1.6993		0.0484	1.70
42	Total Hepta-Dioxins					0.918	10.027	37.640		0.000		4.6589		0.0894	4.66
43	Total Tetra-Furans					0.848	10.027	23.610		0.000		0.35208		0.0146	0.352
44	1st Func. Penta-Furans					0.960	10.027	26.930		0.000		0.14279		0.00657	0.143
45	Total Penta-Furans					0.960	10.027	29.275		0.000		0.45467		0.0186	0.476
46	Total Hexa-Furans					1.02	10.027	33.555		0.000		0.71250		0.0293	0.762
47	Total Hepta-Furans					1.05	10.027	37.835		0.000		0.98075		0.0272	0.981

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-5.qld

Last Altered: Monday, December 14, 2020 2:34:11 PM Pacific Standard Time
 Printed: Monday, December 14, 2020 2:34:29 PM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
 Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	23.48	2.495e3	2.267e3	1.287e2	1.541e2	0.84	NO	2.828e2	0.026510	0.026510	0.0144
Total Tetra-Dioxins	24.29	7.785e3	1.174e4	6.577e2	7.540e2	0.87	NO	1.412e3	0.13236	0.13236	0.0144
Total Tetra-Dioxins	25.70	8.332e3	4.576e3	5.354e2	3.299e2	1.62	YES	0.000e0	0.00000	0.054753	0.0144
2,3,7,8-TCDD	26.38	2.891e3	1.903e4	1.612e2	1.104e3	0.15	YES	1.265e3	0.00000	0.034751	0.0144

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	28.82	5.166e3	7.163e3	3.124e2	4.572e2	0.68	NO	7.696e2	0.095496	0.095496	0.0323
Total Penta-Dioxins	29.28	6.279e3	1.067e4	3.281e2	5.065e2	0.65	NO	8.346e2	0.10356	0.10356	0.0323
Total Penta-Dioxins	29.80	1.114e4	7.471e3	6.075e2	3.775e2	1.61	YES	0.000e0	0.00000	0.076357	0.0323
Total Penta-Dioxins	30.29	7.320e3	8.586e3	3.694e2	5.611e2	0.66	NO	9.304e2	0.11545	0.11545	0.0323
1,2,3,7,8-PeCDD	31.06	3.722e3	4.735e3	1.632e2	2.687e2	0.61	NO	4.319e2	0.053596	0.053596	0.0323

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	32.72	6.586e4	5.003e4	3.128e3	2.510e3	1.25	NO	5.637e3	0.90849	0.90849	0.0484
Total Hexa-Dioxins	33.32	4.258e3	3.977e3	2.111e2	1.704e2	1.24	NO	3.815e2	0.061472	0.061472	0.0484
Total Hexa-Dioxins	33.62	2.487e4	1.745e4	1.735e3	1.412e3	1.23	NO	3.146e3	0.50703	0.50703	0.0484
1,2,3,6,7,8-HxCDD	34.50	5.175e3	3.692e3	2.690e2	2.278e2	1.18	NO	4.968e2	0.077144	0.077144	0.0464
Total Hexa-Dioxins	34.65	2.723e3	1.605e3	9.954e1	9.148e1	1.09	NO	1.910e2	0.030783	0.030783	0.0484
1,2,3,7,8,9-HxCDD	34.77	7.701e3	5.901e3	4.306e2	3.326e2	1.29	NO	7.632e2	0.11441	0.11441	0.0454

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.23	1.070e5	1.078e5	7.424e3	7.387e3	1.01	NO	1.481e4	2.8333	2.8333	0.0894
1,2,3,4,6,7,8-HpCDD	38.22	8.559e4	8.830e4	4.667e3	4.876e3	0.96	NO	9.543e3	1.8256	1.8256	0.0894

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-5.qld

Last Altered: Monday, December 14, 2020 2:34:11 PM Pacific Standard Time
 Printed: Monday, December 14, 2020 2:34:29 PM Pacific Standard Time

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, 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	21.72	2.631e3	3.353e3	2.061e2	3.115e2	0.66	NO	5.175e2	0.040498	0.040498	0.0146
2	Total Tetra-Furans	22.62	2.398e3	4.418e3	2.088e2	2.910e2	0.72	NO	4.999e2	0.039118	0.039118	0.0146
3	Total Tetra-Furans	23.08	2.456e3	4.056e3	1.904e2	2.346e2	0.81	NO	4.250e2	0.033259	0.033259	0.0146
4	Total Tetra-Furans	24.71	8.600e3	9.913e3	5.566e2	6.611e2	0.84	NO	1.218e3	0.095290	0.095290	0.0146
5	Total Tetra-Furans	25.55	3.463e3	2.858e3	1.587e2	2.033e2	0.78	NO	3.620e2	0.028329	0.028329	0.0146
6	2,3,7,8-TCDF	25.70	9.457e3	1.201e4	6.864e2	7.907e2	0.87	NO	1.477e3	0.11559	0.11559	0.0146

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	27.19	1.514e4	1.419e4	9.871e2	7.462e2	1.32	NO	1.733e3	0.14279	0.14279	0.00657

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	28.83	1.250e4	1.021e4	7.743e2	5.838e2	1.33	NO	1.358e3	0.11188	0.11188	0.0186
2	Total Penta-Furans	29.45	6.575e3	2.536e3	2.158e2	1.560e2	1.38	NO	3.718e2	0.030624	0.030624	0.0186
3	Total Penta-Furans	29.62	2.140e3	6.160e3	1.544e2	2.280e2	0.68	YES	0.000e0	0.00000	0.020922	0.0186
4	1,2,3,7,8-PeCDF	29.83	1.976e4	1.393e4	1.094e3	8.136e2	1.34	NO	1.908e3	0.15222	0.15222	0.0182
5	Total Penta-Furans	30.07	9.829e3	5.463e3	4.411e2	3.339e2	1.32	NO	7.749e2	0.063833	0.063833	0.0186
6	2,3,4,7,8-PeCDF	30.88	1.319e4	8.159e3	7.974e2	4.581e2	1.74	NO	1.256e3	0.096125	0.096125	0.0172

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-5.qld

Last Altered: Monday, December 14, 2020 2:34:11 PM Pacific Standard Time

Printed: Monday, December 14, 2020 2:34:29 PM Pacific Standard Time

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
1 Total Hexa-Furans	32.20	4.613e3	4.227e3	2.090e2	1.927e2	1.08	NO	0.000e0	0.00000	0.049887	0.0293
2 Total Hexa-Furans	32.37	1.256e4	8.827e3	5.509e2	4.654e2	1.18	NO	1.016e3	0.12621	0.12621	0.0293
3 Total Hexa-Furans	33.00	1.262e4	9.958e3	6.304e2	5.029e2	1.25	NO	1.133e3	0.14075	0.14075	0.0293
4 1,2,3,4,7,8-HxCDF	33.46	2.080e4	1.454e4	1.091e3	8.242e2	1.32	NO	1.915e3	0.23385	0.23385	0.0276
5 1,2,3,6,7,8-HxCDF	33.59	5.473e3	4.806e3	3.637e2	2.756e2	1.32	NO	6.394e2	0.075888	0.075888	0.0268
6 2,3,4,6,7,8-HxCDF	34.28	3.132e3	3.359e3	1.727e2	1.314e2	1.32	NO	3.041e2	0.038140	0.038140	0.0299
7 1,2,3,7,8,9-HxCDF	35.27	5.282e3	4.833e3	2.364e2	1.825e2	1.29	NO	4.189e2	0.057602	0.057602	0.0349
8 Total Hexa-Furans	35.29	4.824e3	5.495e3	1.677e2	1.549e2	1.08	NO	3.226e2	0.040058	0.040058	0.0293

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DL
1 1,2,3,4,6,7,8-HpCDF	36.84	1.853e4	1.804e4	1.099e3	1.171e3	0.94	NO	2.270e3	0.39873	0.39873	0.0278
2 Total Hepta-Furans	37.56	1.935e4	2.467e4	1.314e3	1.392e3	0.94	NO	2.706e3	0.52298	0.52298	0.0272
3 1,2,3,4,7,8,9-HpCDF	38.85	3.430e3	2.950e3	1.581e2	1.500e2	1.05	NO	3.081e2	0.059038	0.059038	0.0235

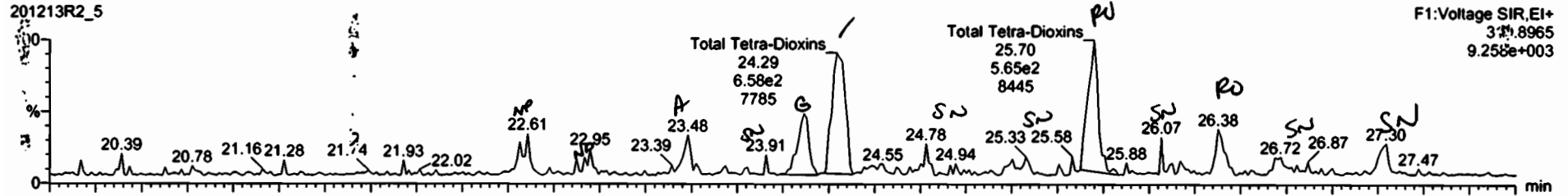
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

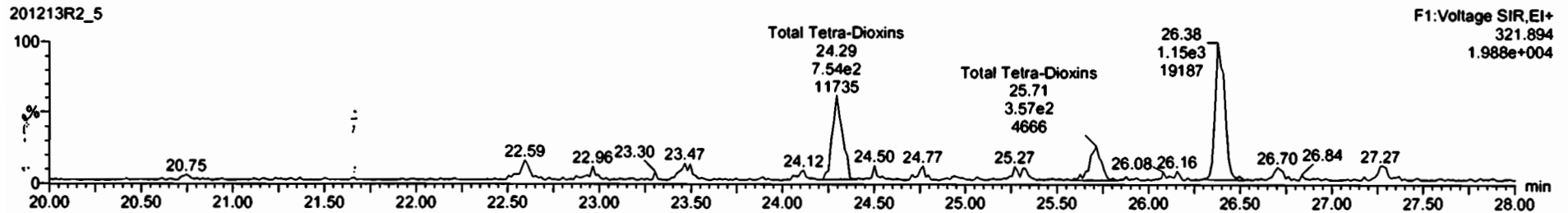
Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

2,3,7,8-TCDD

201213R2_5

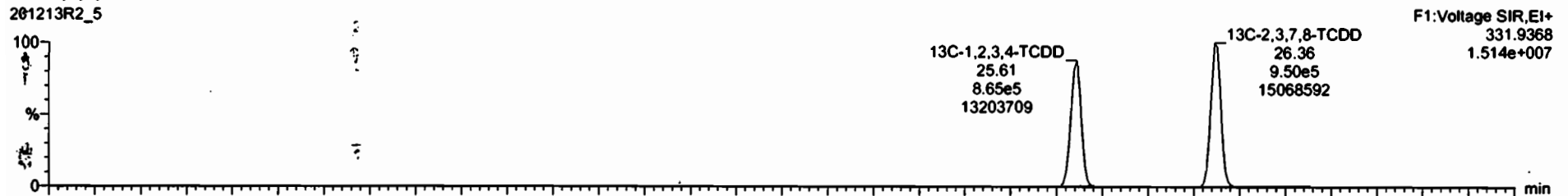


201213R2_5

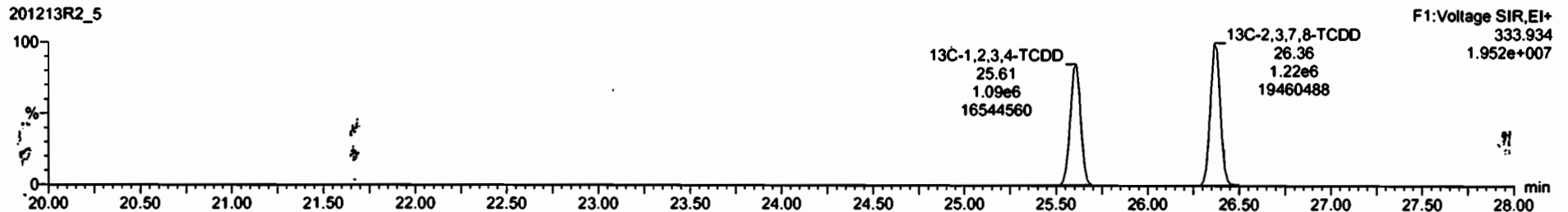


13C-2,3,7,8-TCDD

201213R2_5

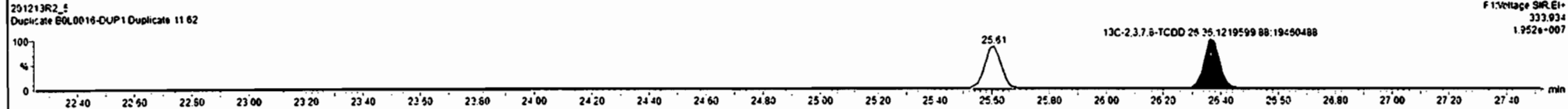
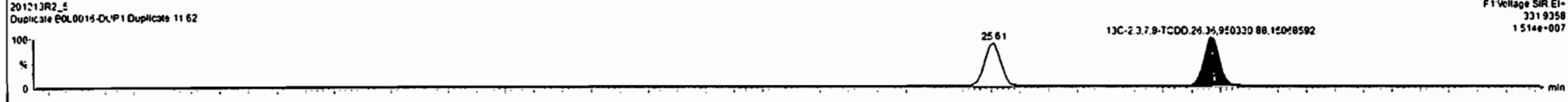
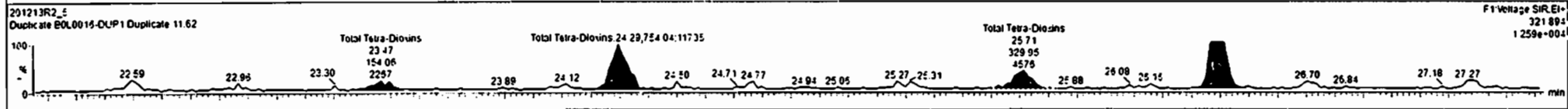
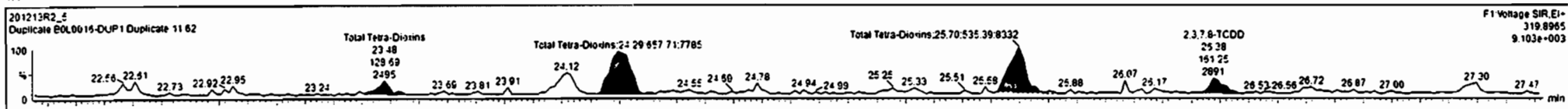


201213R2_5



Name	Resp	RA	nly	RRF	wtVal	RT	SRT	Conc.	%Rec	DL	EMPC
Total Tetra-Dioxins				0.885	18.027			0.158		0.0144	0.248

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1- Total Tetra-Dioxins	23.46	1.287e2	1.541e2	0.84	NO	0.026510	0.026510
2 Total Tetra-Dioxins	24.29	5.577e2	7.540e2	0.87	NO	0.13232	0.13232
3 Total Tetra-Dioxins	25.70	5.354e2	3.299e2	1.62	YES	0.054753	0.050500
4 2,3,7,8-TCDD	26.36	1.812e2	1.104e2	0.15	YES	0.034751	0.000000



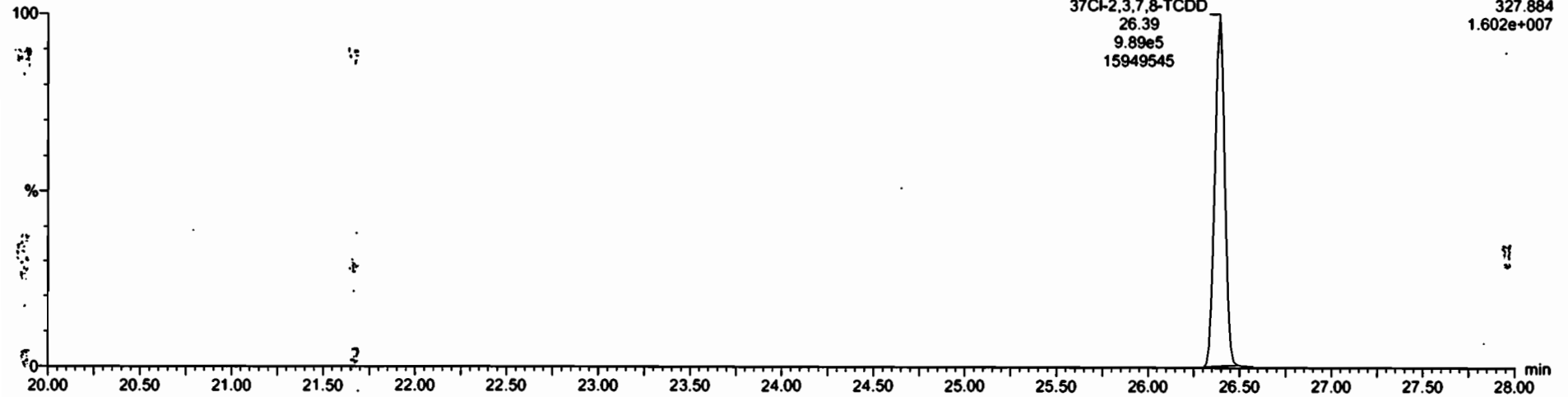
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

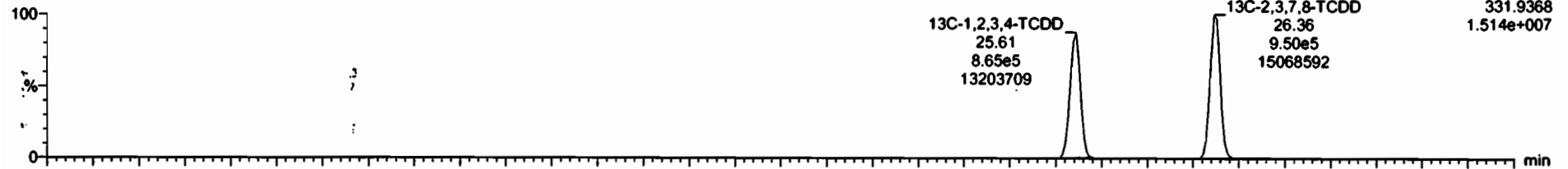
37Cl-2,3,7,8-TCDD

201213R2_5

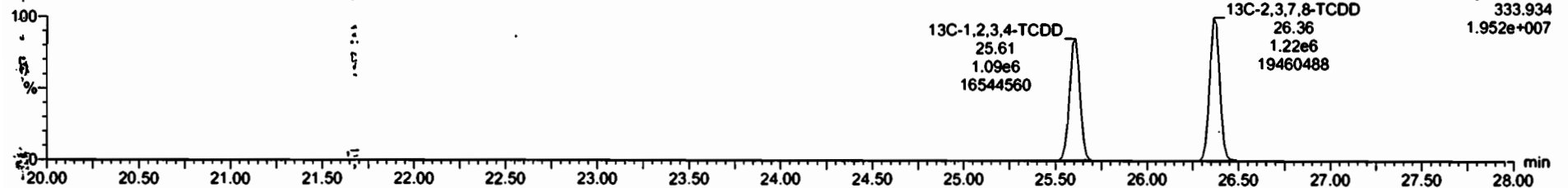


13C-1,2,3,4-TCDD

201213R2_5



201213R2_5



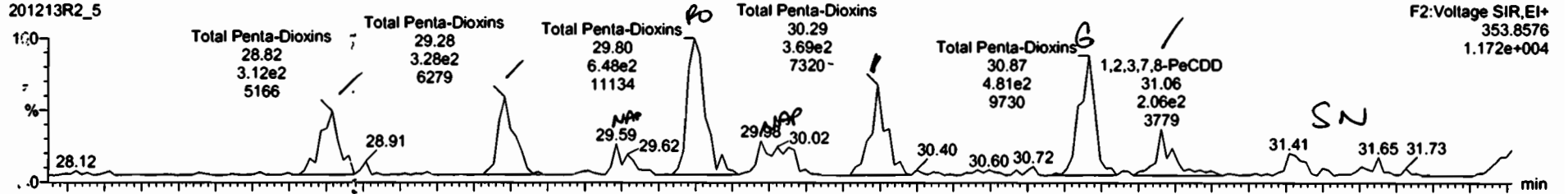
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

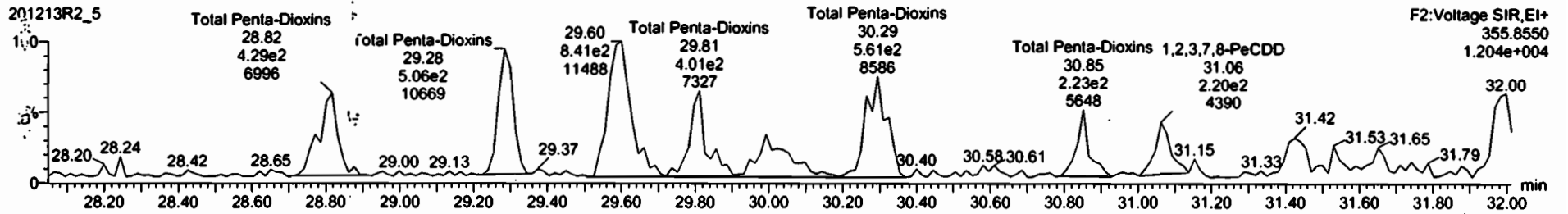
Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

1,2,3,7,8-PeCDD

201213R2_5



201213R2_5

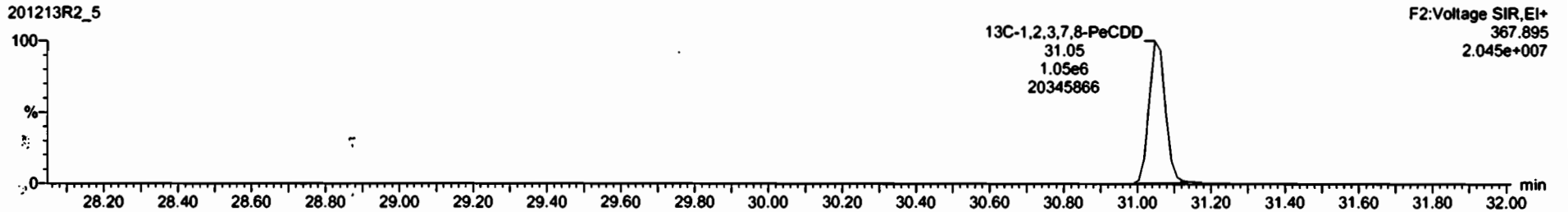


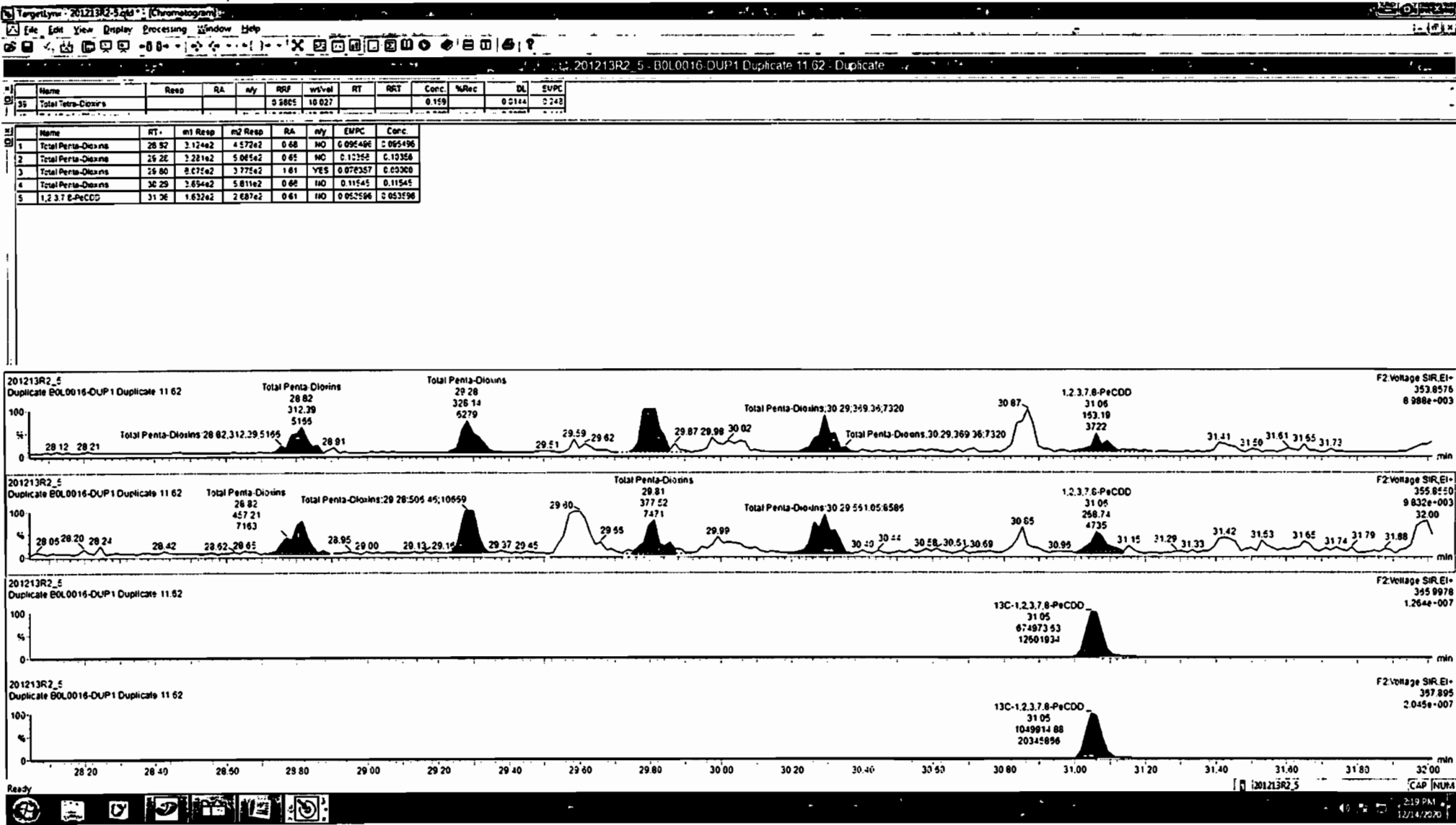
13C-1,2,3,7,8-PeCDD

201213R2_5



201213R2_5





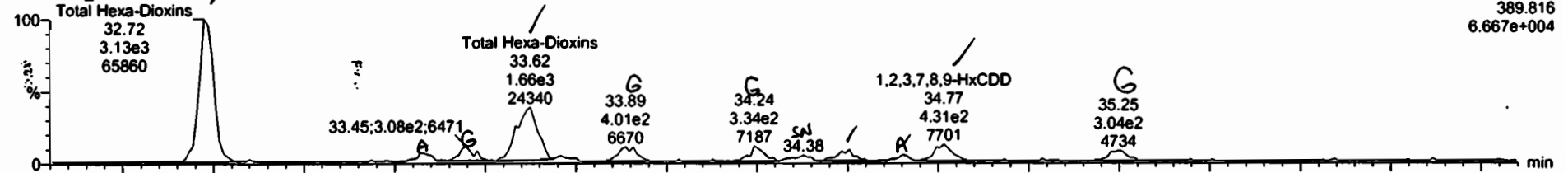
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

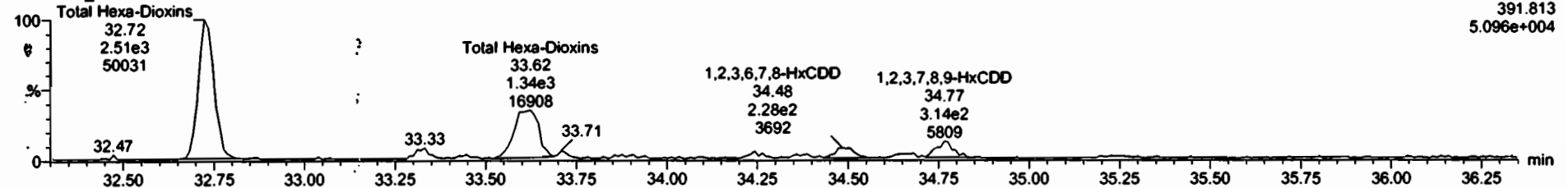
Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

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

201213R2_5

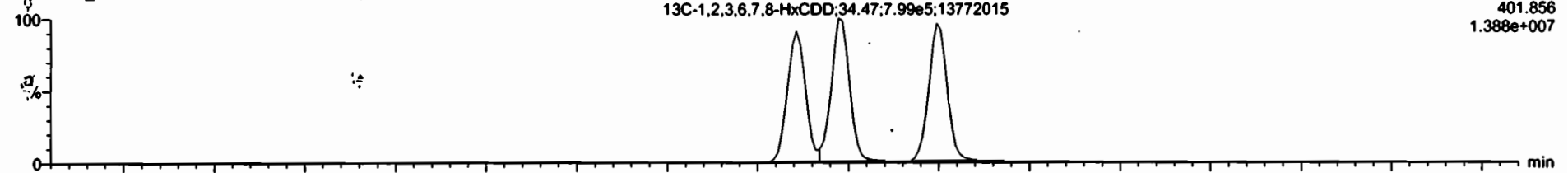


201213R2_5

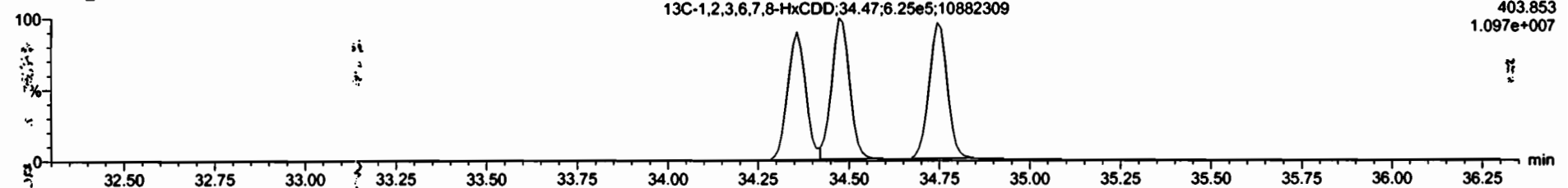


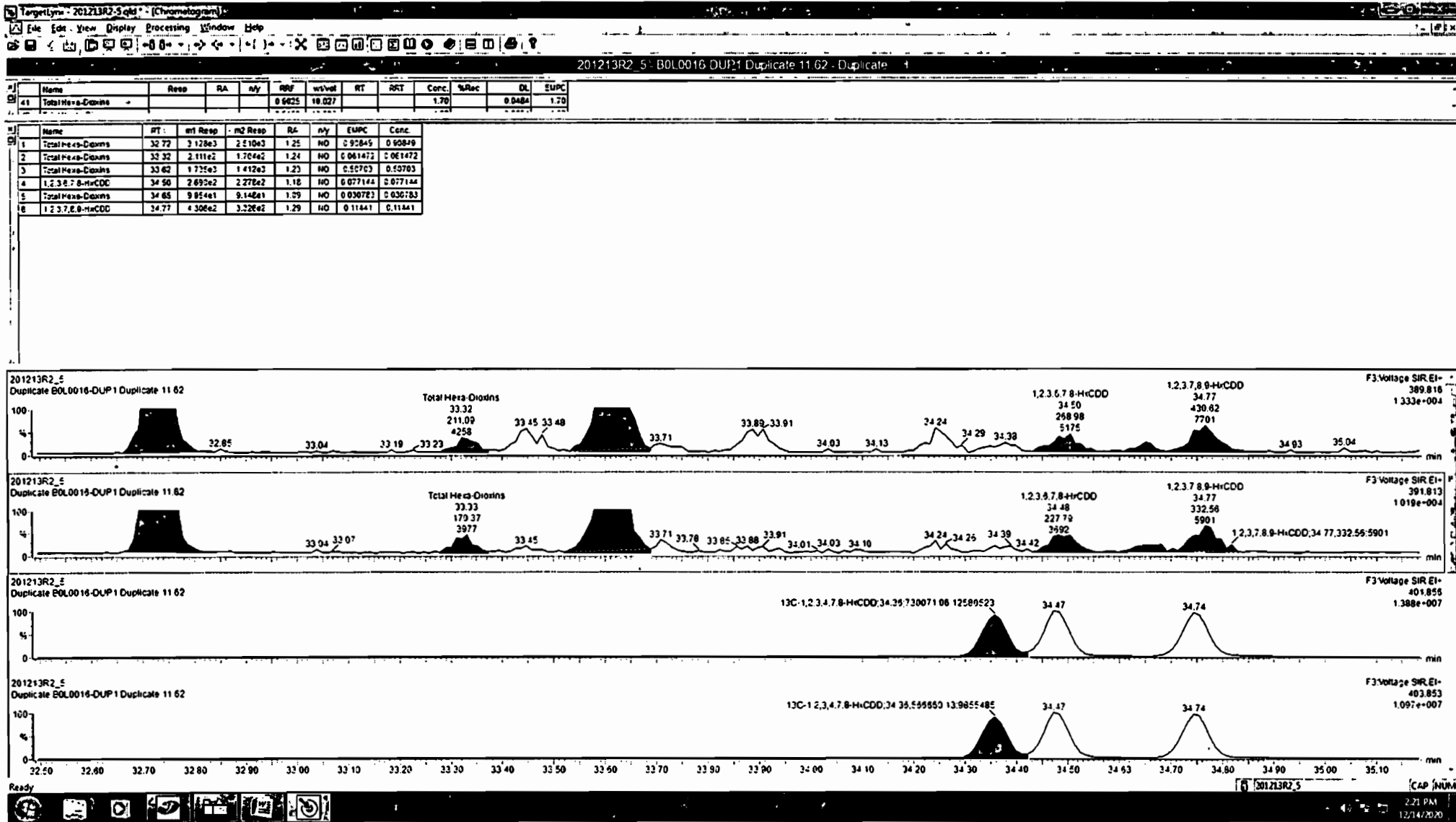
13C-1,2,3,4,7,8-HxCDD

201213R2_5



201213R2_5





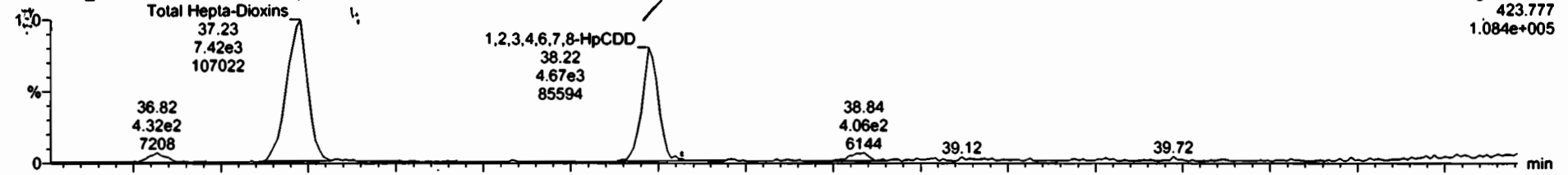
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

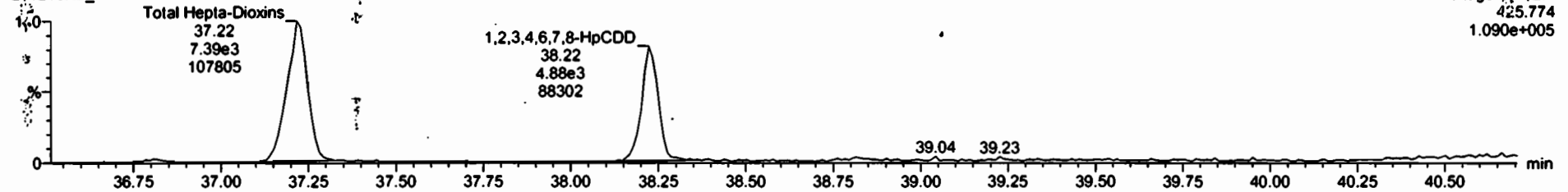
Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

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

201213R2_5

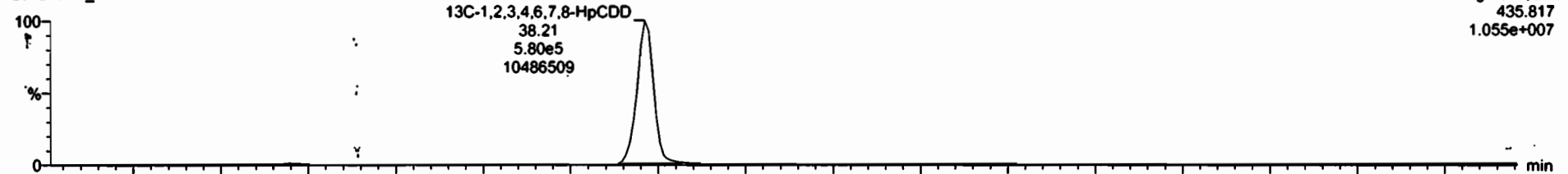


201213R2_5

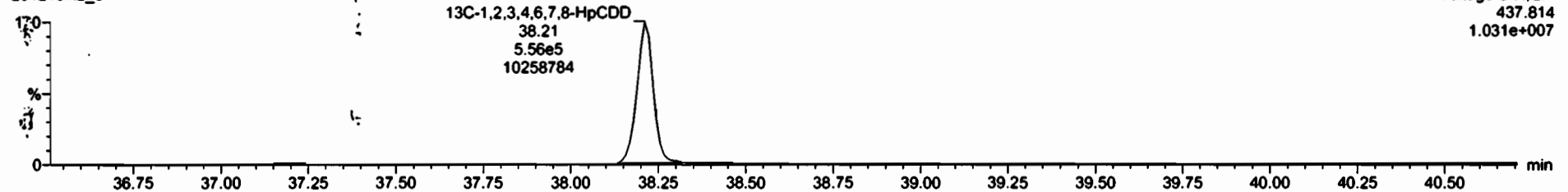


13C-1,2,3,4,6,7,8-HpCDD

201213R2_5



201213R2_5

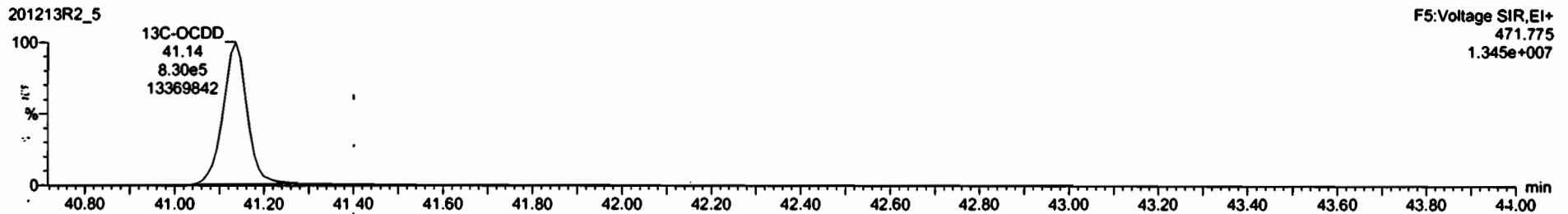
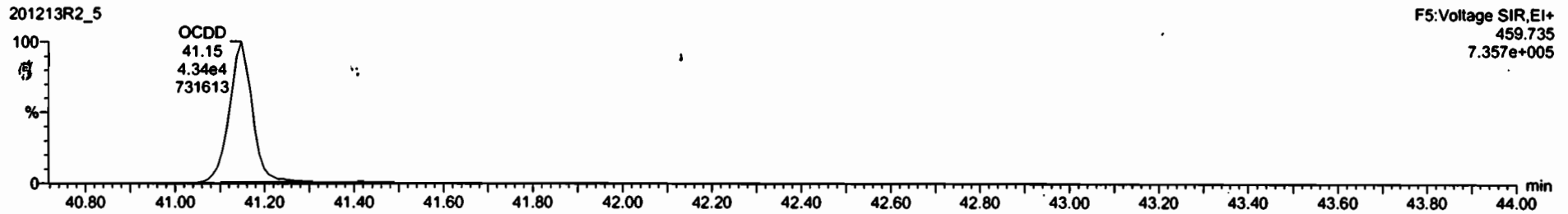


Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate



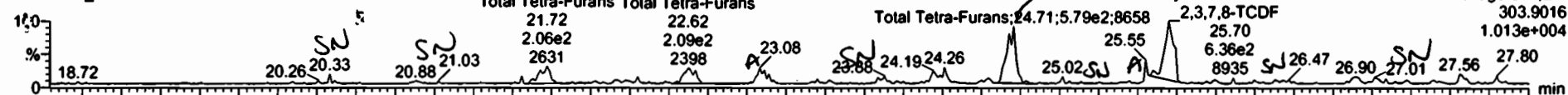
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

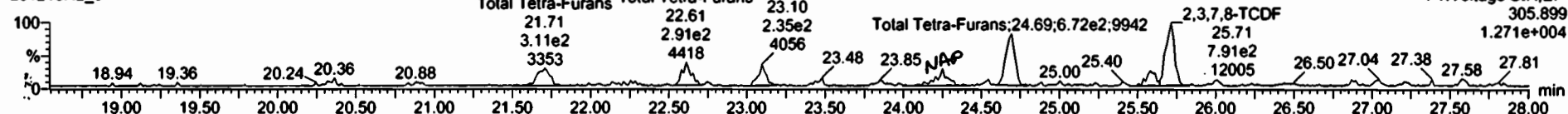
2,3,7,8-TCDF

201213R2_5



F1: Voltage SIR, EI+
303.9016
1.013e+004

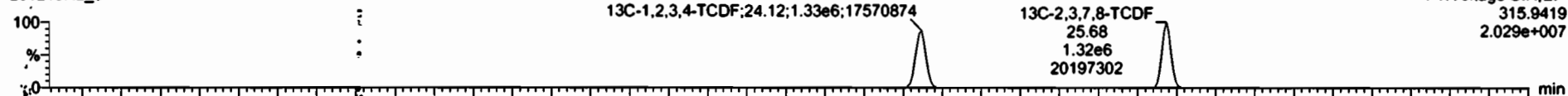
201213R2_5



F1: Voltage SIR, EI+
305.899
1.271e+004

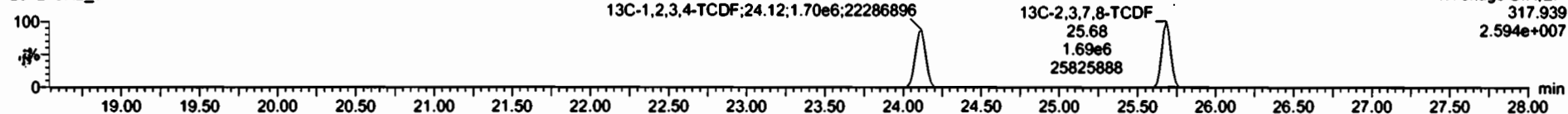
13C-2,3,7,8-TCDF

201213R2_5



F1: Voltage SIR, EI+
315.9419
2.029e+007

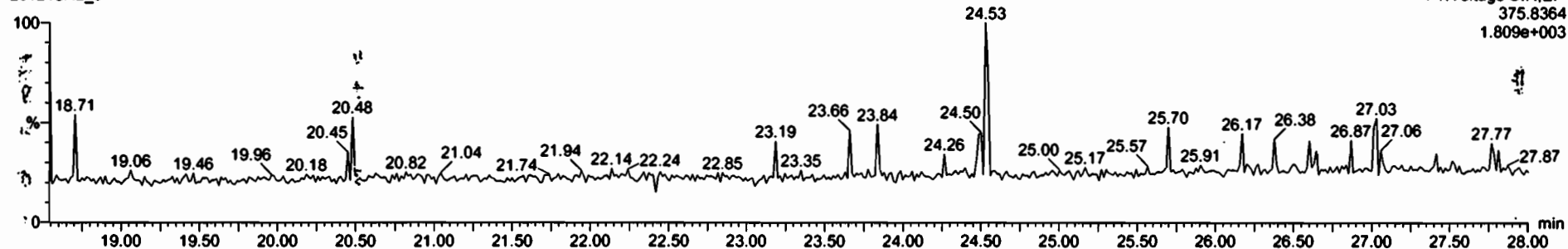
201213R2_5



F1: Voltage SIR, EI+
317.939
2.594e+007

DPE1

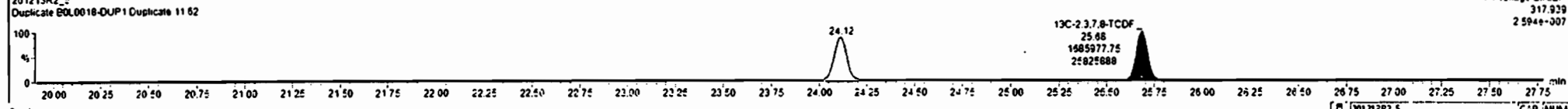
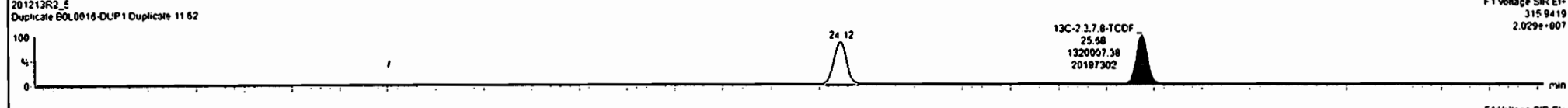
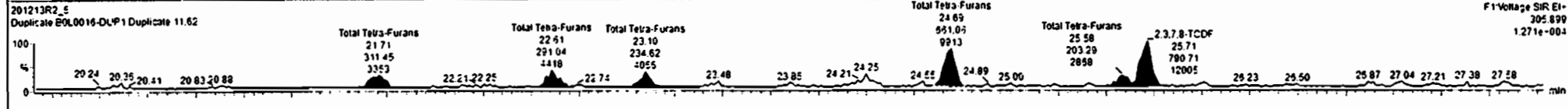
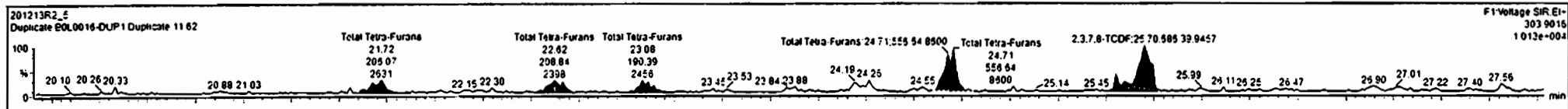
201213R2_5



F1: Voltage SIR, EI+
375.8364
1.809e+003

Name	Resp	RA	.ny	RFI	wt/vol	RT	QRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.8488	18.027			0.352		0.0148	0.352

Name	RT	m1 Resp	m2 Resp	RA	.ny	EMPC	Conc.
1 Total Tetra-Furans	21.72	2.051e2	3.115e2	0.65	NO	0.040498	0.046498
2 Total Tetra-Furans	22.62	2.838e2	2.810e2	0.72	NO	0.032518	0.039118
3 Total Tetra-Furans	23.08	1.904e2	2.348e2	0.81	NO	0.032259	0.033259
4 Total Tetra-Furans	24.71	5.586e2	8.811e2	0.84	NO	0.095290	0.065290
5 Total Tetra-Furans	25.58	1.587e2	2.032e2	0.78	NO	0.028328	0.028328
6 2,3,7,8-TCDF	25.70	8.864e2	7.907e2	0.87	NO	0.11559	0.11559

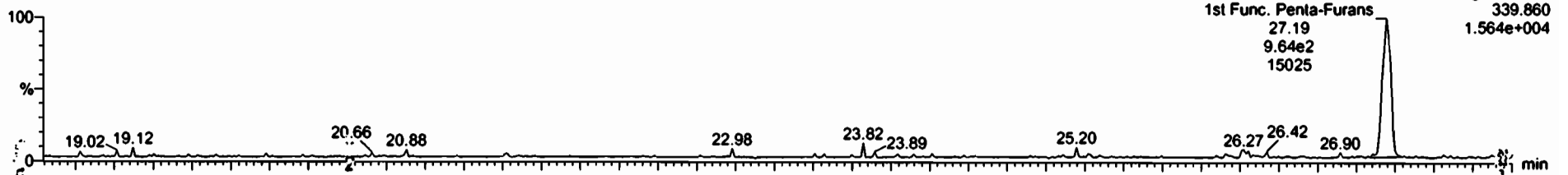


Dataset: Untitled

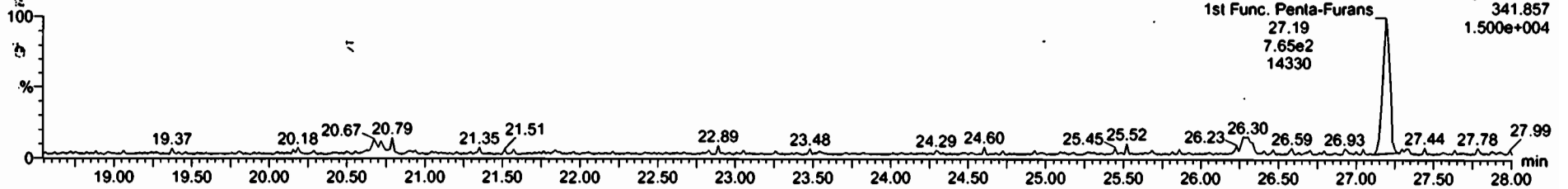
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

1st Func. Penta-Furans
201213R2_5

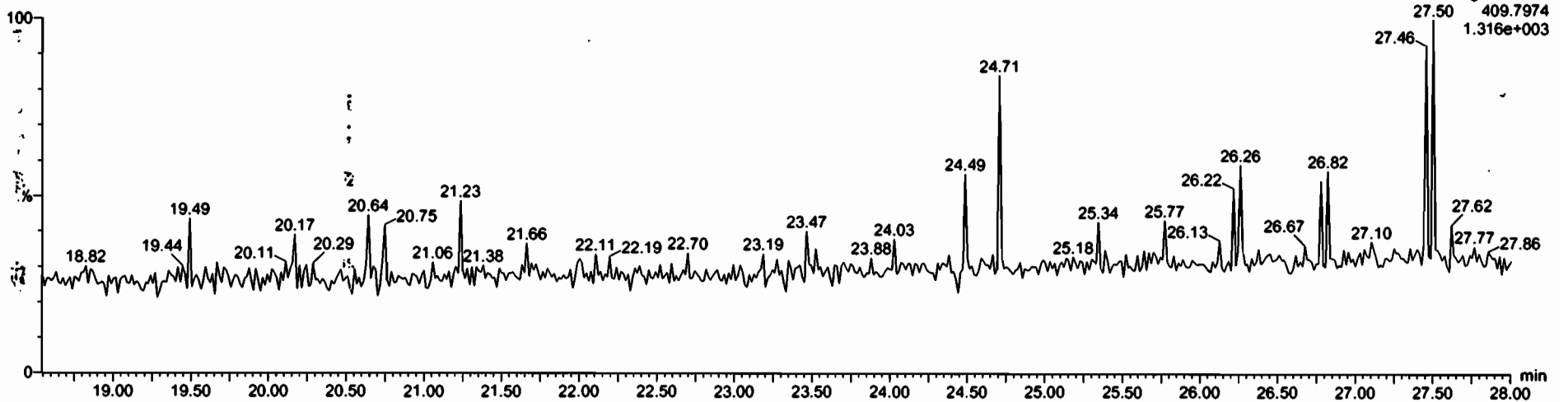


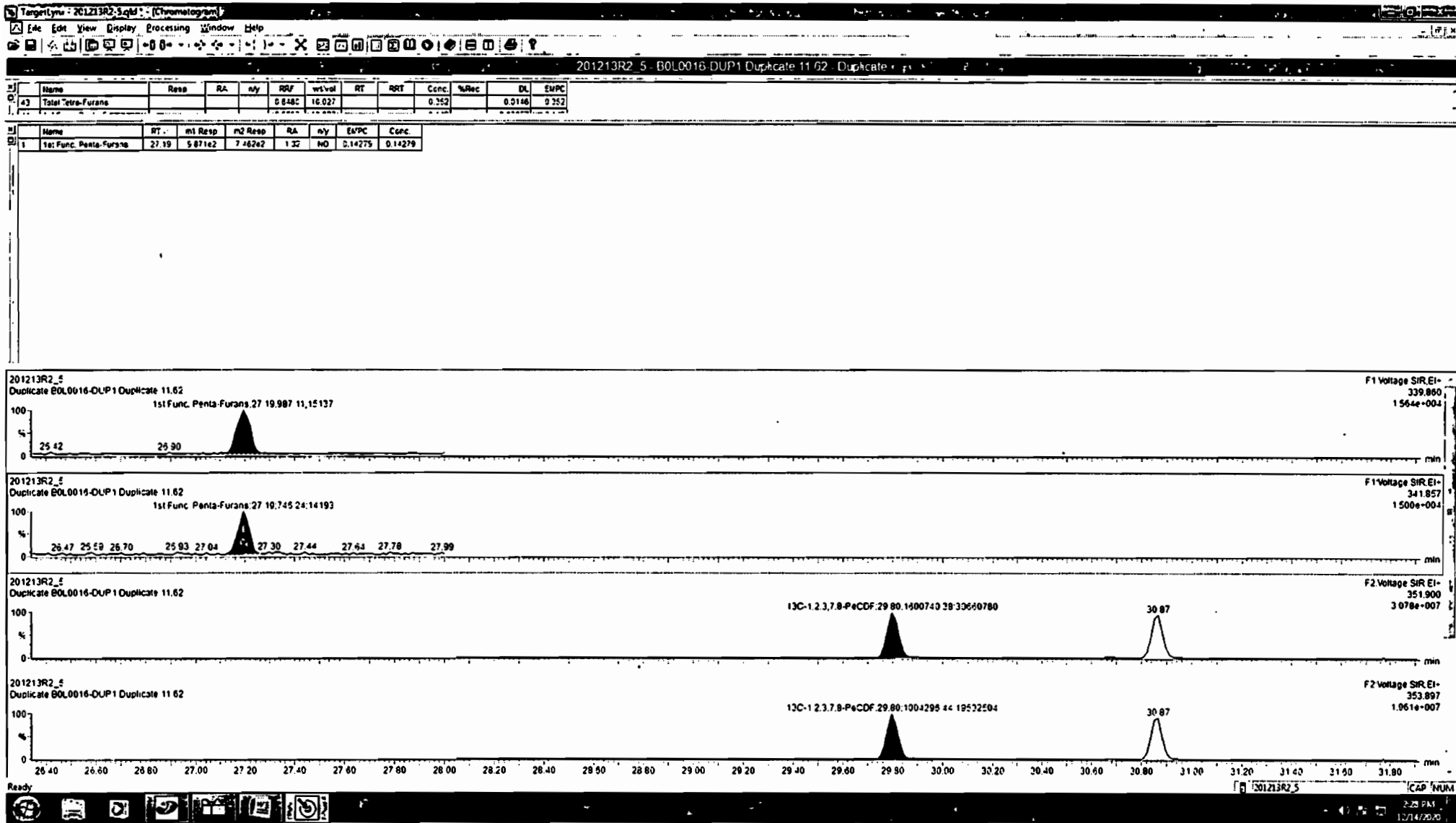
201213R2_5



DPE6

201213R2_5





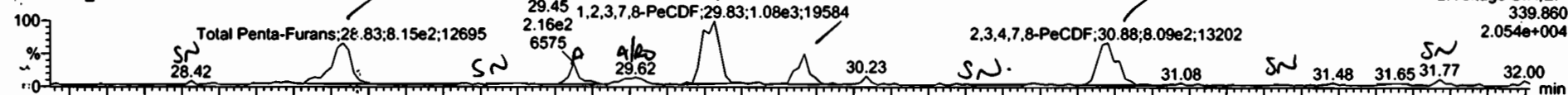
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

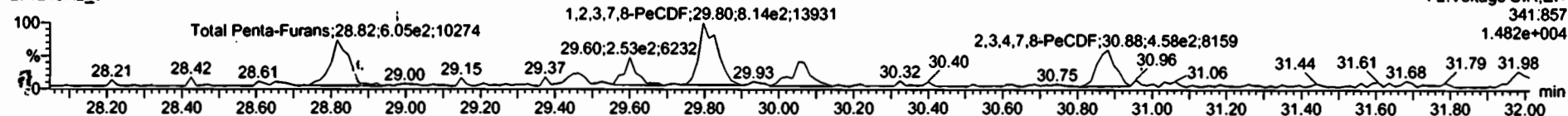
Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

1,2,3,7,8-PeCDF

201213R2_5



201213R2_5

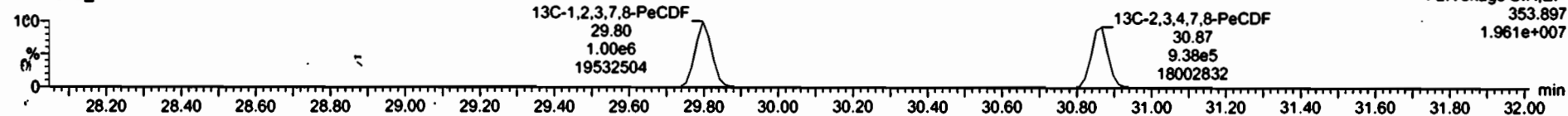


13C-1,2,3,7,8-PeCDF

201213R2_5

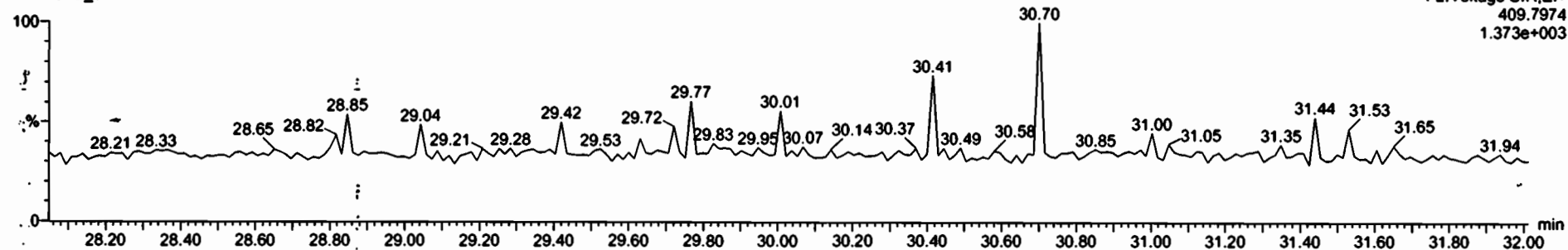


201213R2_5



DPE2

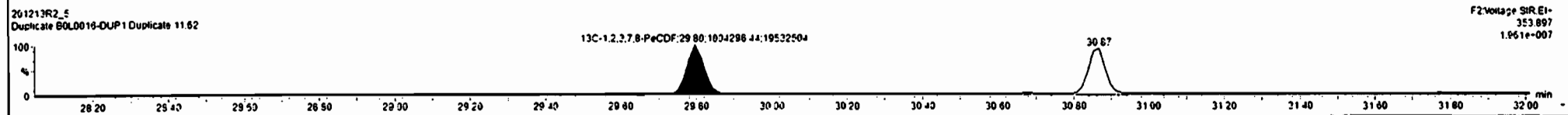
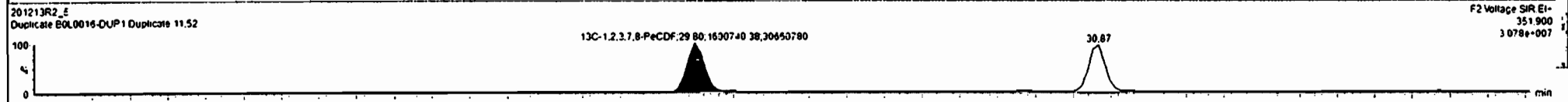
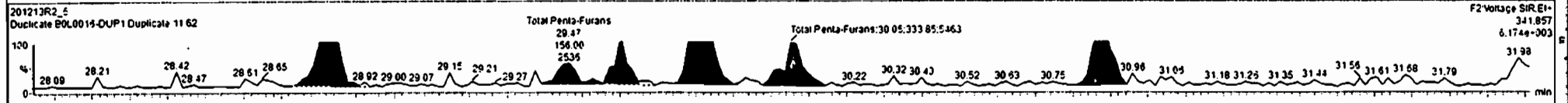
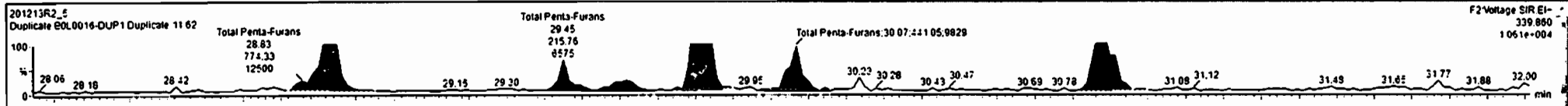
201213R2_5



201213R2_5 - BOL0016-DUP1 Duplicate 11.62 - Duplicate

Name	Resp	RA	n/y	RF	wt/vol	RT	RET	Conc.	%Rec	DL	EMPC
Total Penta-Furans				0.9597	10.027			0.456		0.0186	0.476

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	28.83	7.743e2	5.838e2	1.32	NO	0.11188	0.11188
2 Total Penta-Furans	28.45	2.158e2	1.565e2	1.36	NO	0.030624	0.030624
3 Total Penta-Furans	28.82	1.544e2	2.280e2	0.68	YES	0.020922	0.020922
4 1,2,3,7,8-PeCDF	28.83	1.054e3	6.136e2	1.34	NO	0.15222	0.15222
5 Total Penta-Furans	30.07	4.411e2	3.339e2	1.32	NO	0.062832	0.062832
6 2,3,4,7,8-PeCDF	30.82	7.974e2	4.581e2	1.74	NO	0.096125	0.096125



Dataset: Untitled

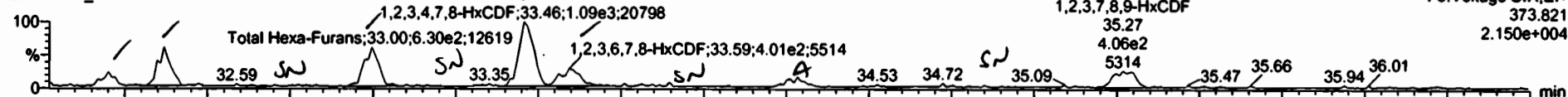
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

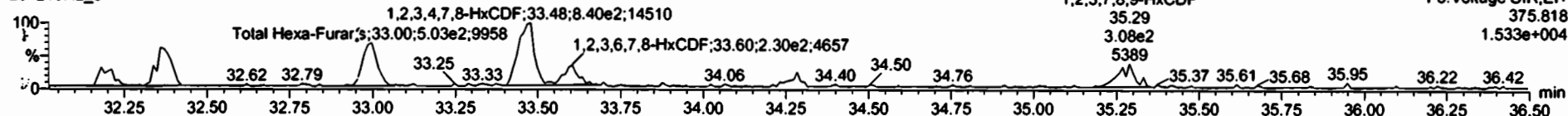
Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

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

201213R2_5

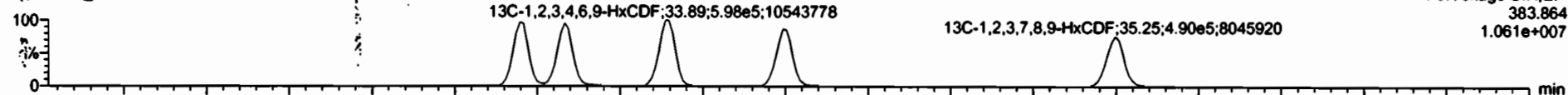


201213R2_5

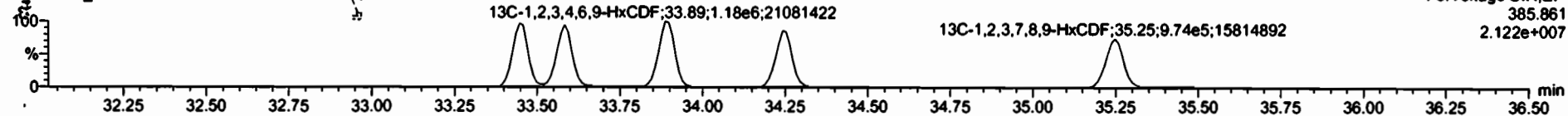


13C-1,2,3,4,7,8-HxCDF

201213R2_5

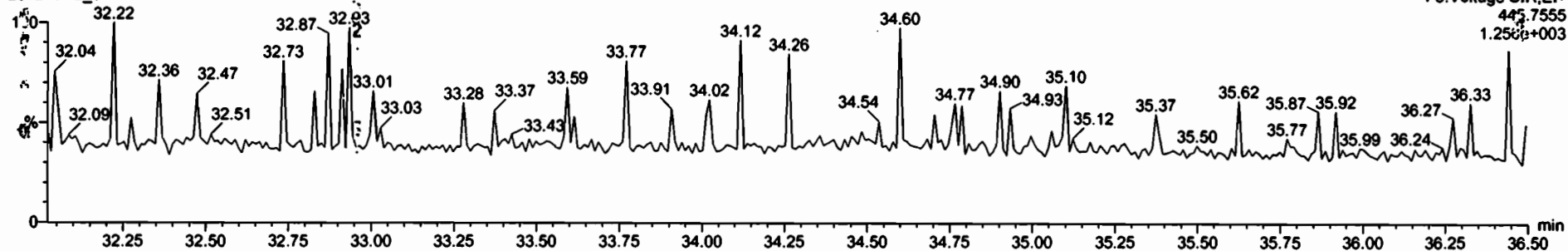


201213R2_5



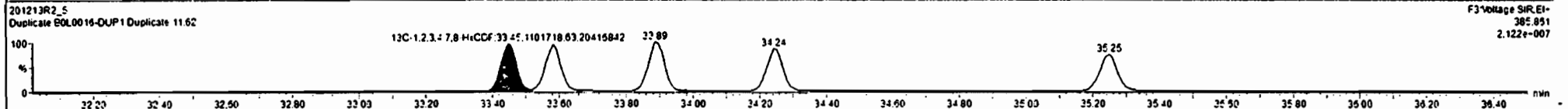
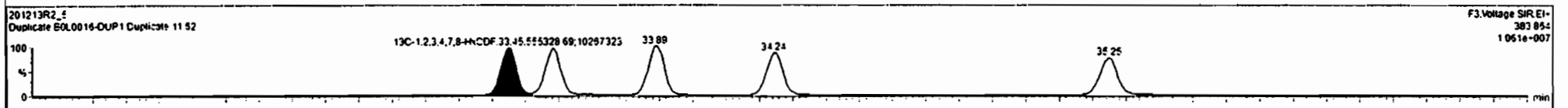
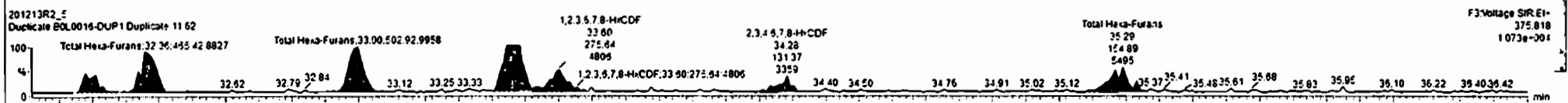
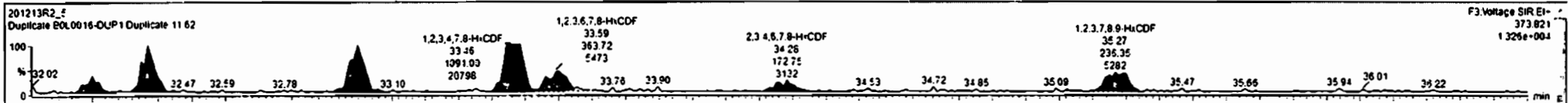
DPE3

201213R2_5



Name	Resp	RA	n/y	RRF	wt/wt	RT	QRT	Conc.	%Rec	DL	EMPC
Total Penta-Furans				0.9597	10.027			0.455		0.0100	0.470

Name	RT	Int Resp	Int Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.20	2.050e2	1.927e2	1.08	NO	0.049887	0.00200
2 Total Hexa-Furans	32.37	5.859e2	4.884e2	1.18	NO	0.12821	0.12621
3 Total Hexa-Furans	32.00	8.304e2	5.029e2	1.25	NO	0.14075	0.14075
4 1,2,3,4,7,8-HxCDF	32.48	1.691e3	8.242e2	1.32	NO	0.23295	0.23305
5 1,2,3,6,7,8-HxCDF	33.09	3.637e2	2.756e2	1.32	NO	0.075068	0.075888
6 2,3,4,6,7,8-HxCDF	34.28	1.727e2	1.214e2	1.32	NO	0.032140	0.038142
7 1,2,3,7,8,9-HxCDF	35.27	2.384e2	1.825e2	1.29	NO	0.057622	0.057022
8 Total Hexa-Furans	35.29	1.877e2	1.549e2	1.08	NO	0.040058	0.040058

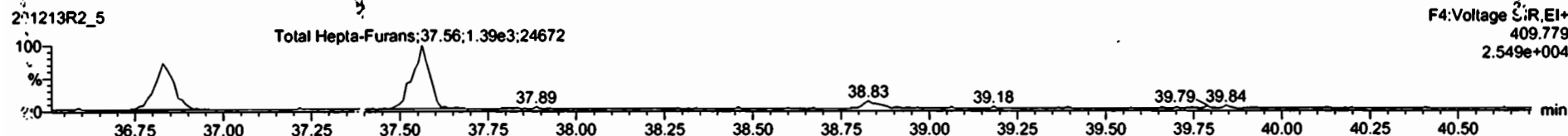
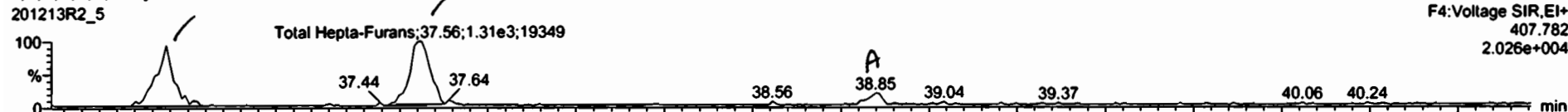


Dataset: Untitled

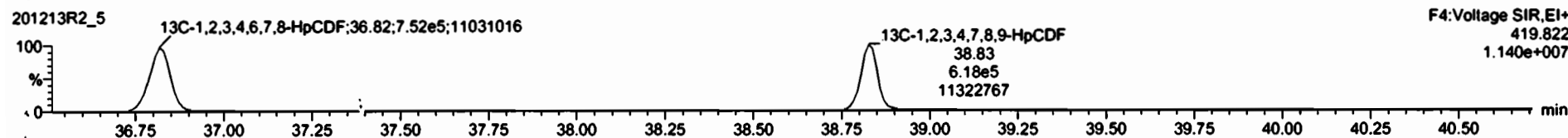
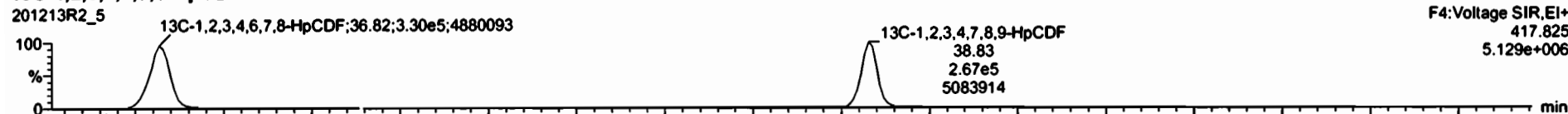
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

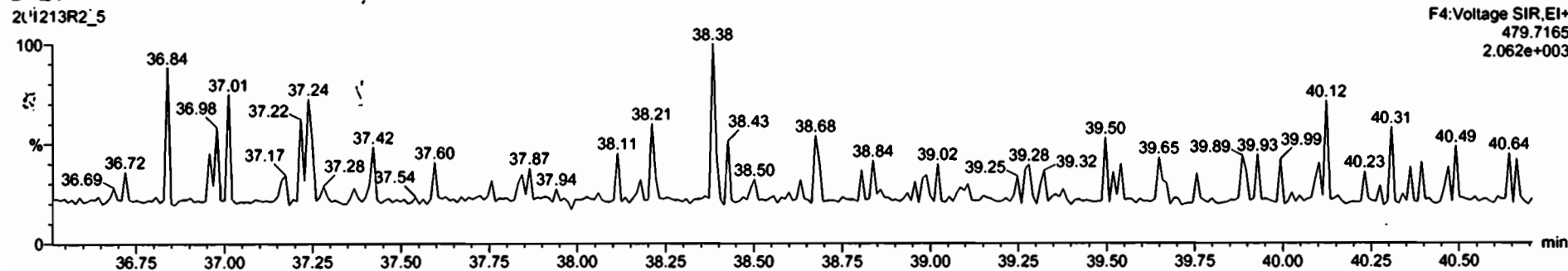
1,2,3,4,6,7,8-HpCDF

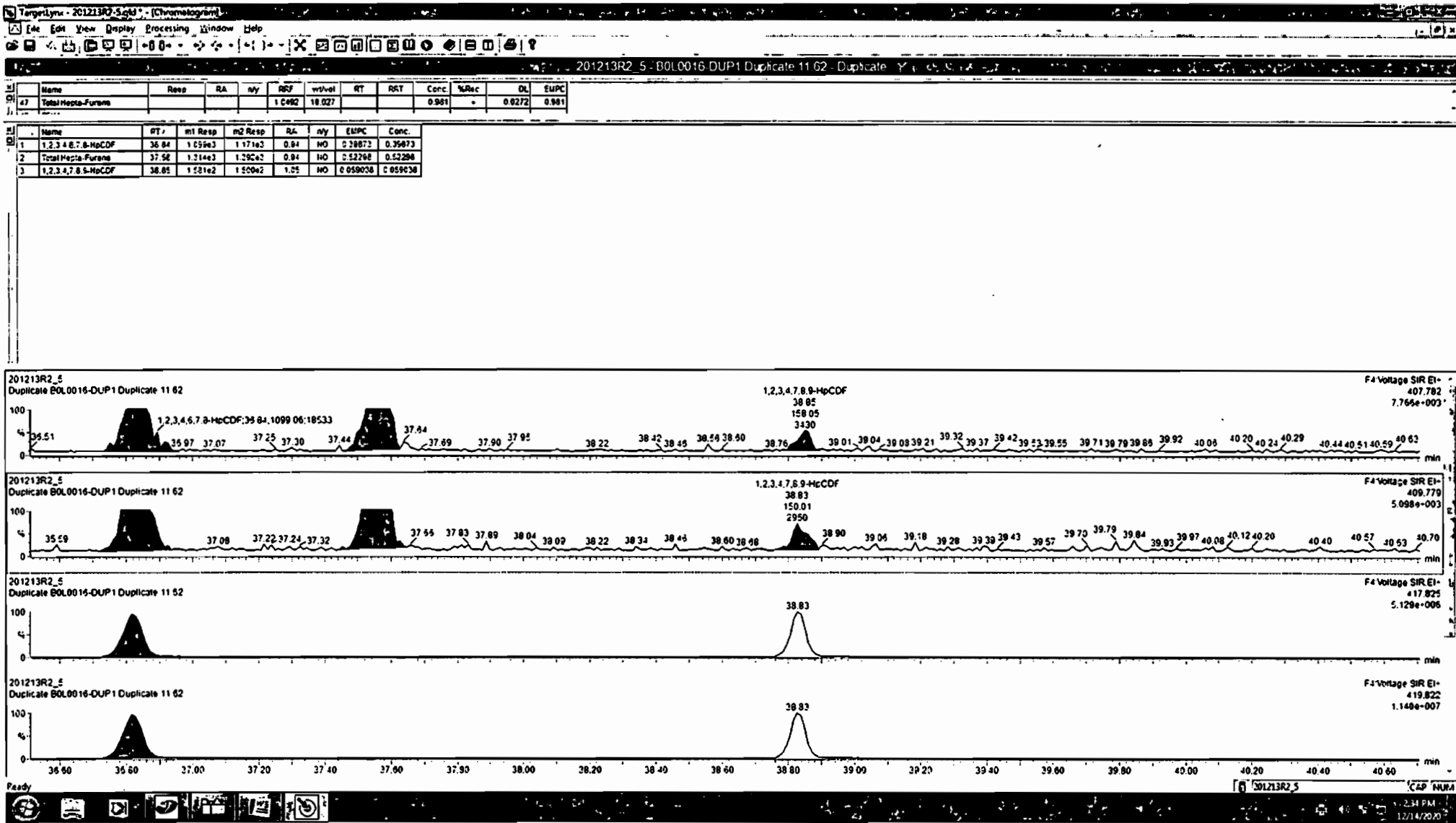


13C-1,2,3,4,6,7,8-HpCDF



DPE4



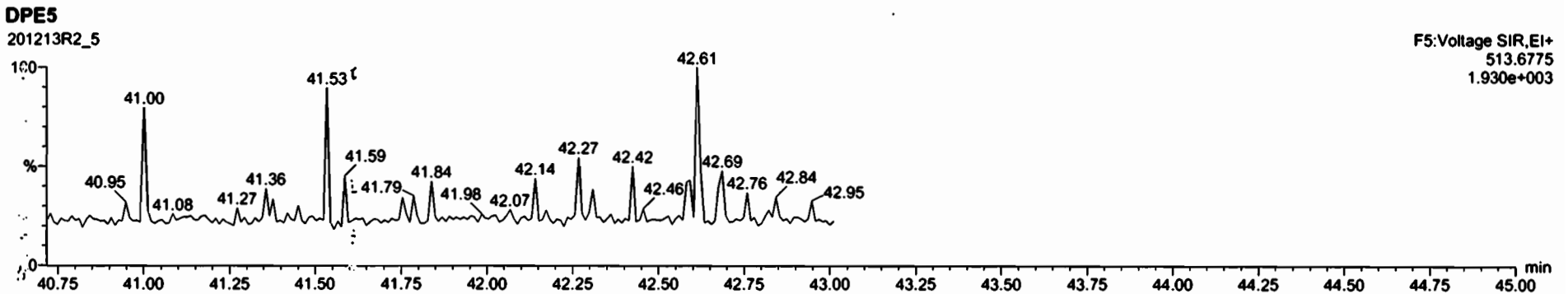
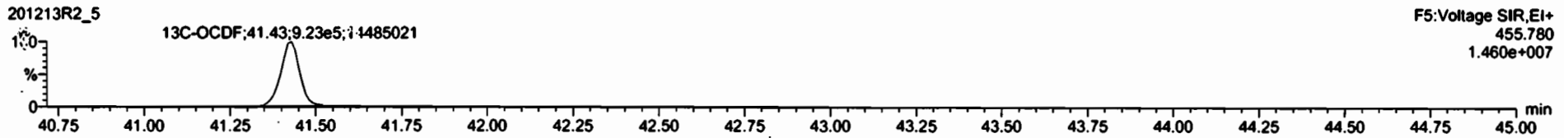
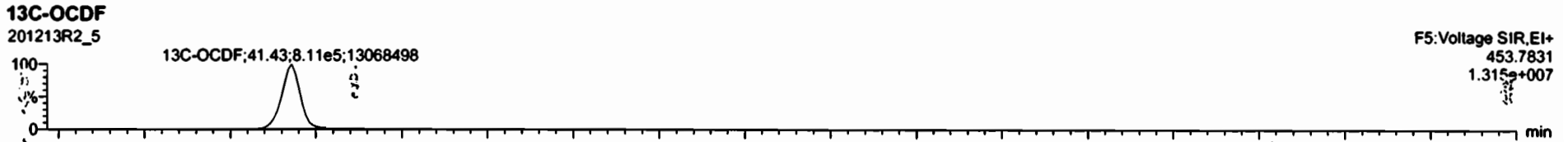
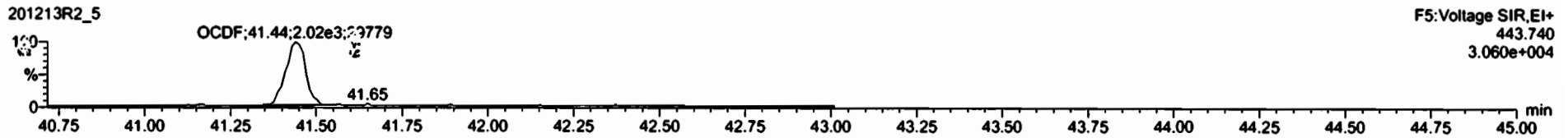
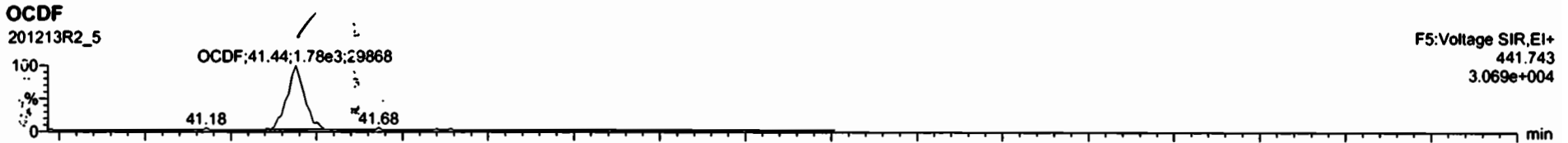


Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate

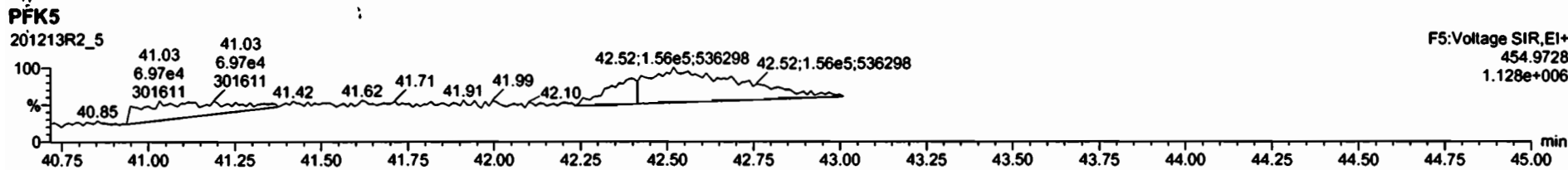
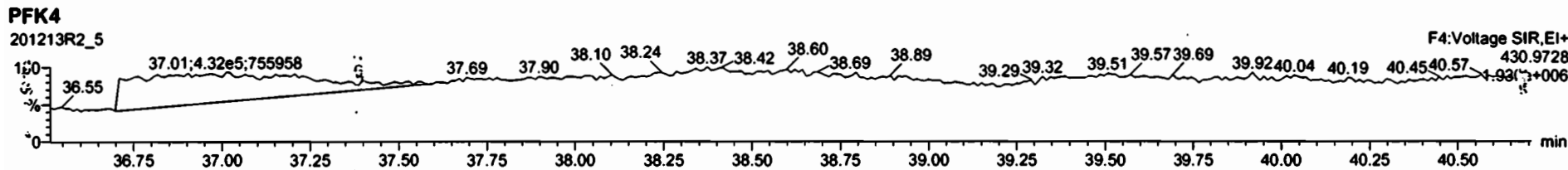
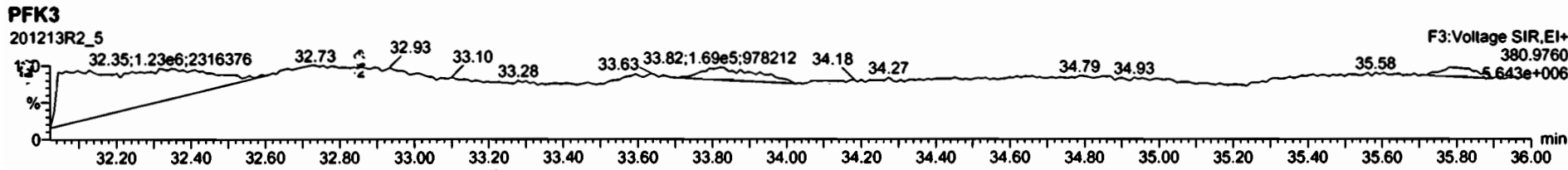
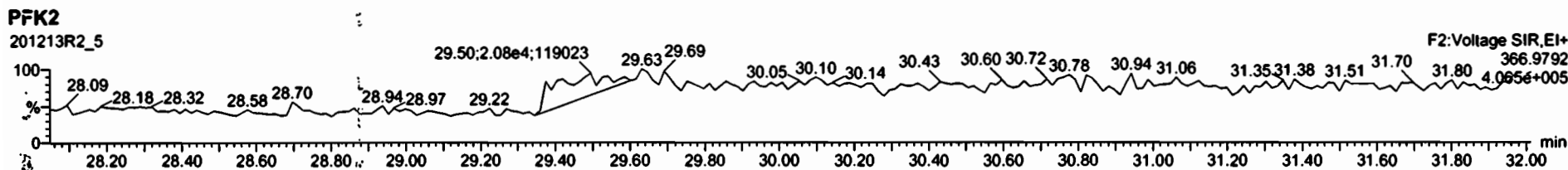
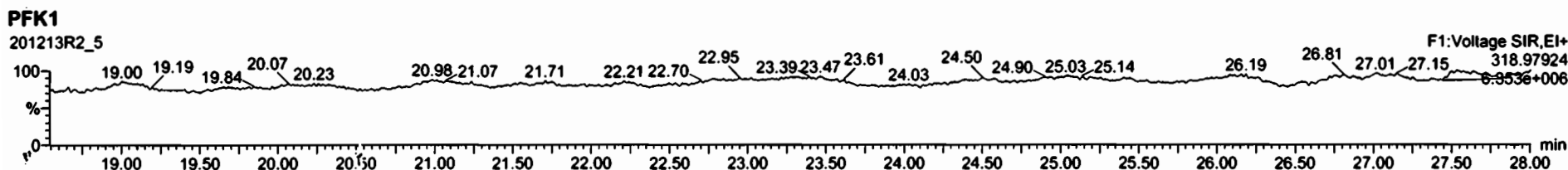


Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_5, Date: 13-Dec-2020, Time: 13:14:22, ID: B0L0016-DUP1 Duplicate 11.62, Description: Duplicate



Dataset: U:\VG12.PRO\Results\201213R2\201213R2-6.qld

Last Altered: Tuesday, December 15, 2020 10:34:49 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 10:35:31 AM Pacific Standard Time

GRB 12/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

*Yuk
12/15/20*

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DU	EMPC
1	2,3,7,8-TCDD	1.99e3	0.28	YES	0.980	10.167	26.396	26.39	1.001	1.001	0.20247		0.0346	0.103
2	1,2,3,7,8-PeCDD	1.31e3	0.61	NO	0.932	10.167	31.079	31.05	1.001	1.000	0.19377		0.0295	0.194
3	1,2,3,4,7,8-HxCDD	1.14e3	1.15	NO	1.02	10.167	34.368	34.37	1.001	1.001	0.19522		0.0807	0.195
4	1,2,3,6,7,8-HxCDD	6.18e3	1.27	NO	0.902	10.167	34.483	34.48	1.001	1.001	1.0767		0.0839	1.08
5	1,2,3,7,8,9-HxCDD	3.40e3	1.19	NO	0.954	10.167	34.744	34.77	1.000	1.001	0.56557		0.0845	0.566
6	1,2,3,4,6,7,8-HpCDD	1.27e5	1.05	NO	0.918	10.167	38.211	38.21	1.000	1.000	26.994		0.339	27.0
7	OCDD	1.38e6	0.88	NO	0.866	10.167	41.113	41.12	1.000	1.000	405.76		0.374	406
8	2,3,7,8-TCDF	7.53e3	0.75	NO	0.848	10.167	25.687	25.70	1.000	1.001	0.63753		0.0273	0.638
9	1,2,3,7,8-PeCDF	1.41e4	1.56	NO	0.960	10.167	29.784	29.80	1.000	1.001	1.3575		0.0327	1.36
10	2,3,4,7,8-PeCDF	9.17e3	1.55	NO	1.07	10.167	30.874	30.87	1.001	1.000	0.81537		0.0295	0.815
11	1,2,3,4,7,8-HxCDF	1.54e4	1.22	NO	0.986	10.167	33.446	33.45	1.000	1.000	2.1377		0.0403	2.14
12	1,2,3,6,7,8-HxCDF	6.02e3	1.22	NO	1.04	10.167	33.592	33.58	1.001	1.000	0.79711		0.0394	0.797
13	2,3,4,6,7,8-HxCDF	2.94e3	1.27	NO	1.02	10.167	34.253	34.26	1.001	1.001	0.40832		0.0419	0.408
14	1,2,3,7,8,9-HxCDF	6.17e2	1.11	NO	0.991	10.167	35.248	35.26	1.000	1.001	0.095741		0.0537	0.0957
15	1,2,3,4,6,7,8-HpCDF	3.31e4	0.98	NO	1.05	10.167	36.824	36.83	1.000	1.001	6.3862		0.0751	6.39
16	1,2,3,4,7,8,9-HpCDF	2.84e3	1.09	NO	1.18	10.167	38.828	38.83	1.000	1.000	0.56657		0.0630	0.567
17	OCDF	5.40e4	0.81	NO	0.896	10.167	41.406	41.41	1.000	1.000	14.082		0.0959	14.1
18	13C-2,3,7,8-TCDD	1.98e6	0.77	NO	1.06	10.167	26.368	26.36	1.030	1.030	213.10	108	0.0777	
19	13C-1,2,3,7,8-PeCDD	1.43e6	0.63	NO	0.785	10.167	31.211	31.05	1.219	1.213	207.30	105	0.124	
20	13C-1,2,3,4,7,8-HxCDD	1.12e6	1.27	NO	0.621	10.167	34.337	34.35	1.014	1.014	231.61	118	0.313	
21	13C-1,2,3,6,7,8-HxCDD	1.25e6	1.26	NO	0.734	10.167	34.459	34.46	1.017	1.017	218.09	111	0.265	
22	13C-1,2,3,7,8,9-HxCDD	1.24e6	1.26	NO	0.723	10.167	34.743	34.73	1.026	1.025	219.36	112	0.269	
23	13C-1,2,3,4,6,7,8-HpCDD	1.01e6	1.05	NO	0.568	10.167	38.243	38.20	1.129	1.128	227.70	116	0.600	
24	13C-OCDD	1.54e6	0.90	NO	0.496	10.167	41.180	41.10	1.216	1.213	397.52	101	0.459	
25	13C-2,3,7,8-TCDF	2.74e6	0.76	NO	0.919	10.167	25.667	25.68	1.003	1.003	216.11	110	0.111	
26	13C-1,2,3,7,8-PeCDF	2.14e6	1.58	NO	0.715	10.167	29.921	29.78	1.169	1.164	216.42	110	0.237	
27	13C-2,3,4,7,8-PeCDF	2.07e6	1.60	NO	0.689	10.167	31.008	30.85	1.212	1.205	218.35	111	0.246	
28	13C-1,2,3,4,7,8-HxCDF	1.44e6	0.51	NO	0.873	10.167	33.442	33.44	0.987	0.987	210.65	107	0.290	
29	13C-1,2,3,6,7,8-HxCDF	1.43e6	0.51	NO	0.933	10.167	33.571	33.57	0.991	0.991	196.17	99.7	0.271	
30	13C-2,3,4,6,7,8-HxCDF	1.39e6	0.51	NO	0.843	10.167	34.238	34.23	1.011	1.011	210.88	107	0.301	
31	13C-1,2,3,7,8,9-HxCDF	1.28e6	0.51	NO	0.780	10.167	35.238	35.24	1.040	1.040	210.03	107	0.325	

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-6.qld

Last Altered: Tuesday, December 15, 2020 10:34:49 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 10:35:31 AM Pacific Standard Time

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

#	Name	Resp	RA	ny	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	9.73e5	0.44	NO	0.726	10.167	36.813	36.81	1.087	1.086	171.33	87.1	0.385	
33	13C-1,2,3,4,7,8,9-HpCDF	8.38e5	0.43	NO	0.491	10.167	38.822	38.82	1.146	1.146	218.39	111	0.570	
34	13C-OCDF	1.68e6	0.88	NO	0.565	10.167	41.396	41.40	1.222	1.222	380.88	96.8	0.392	
35	37Cl-2,3,7,8-TCDD	9.28e5			1.22	10.167	26.363	26.38	1.030	1.031	86.884	110	0.0264	
36	13C-1,2,3,4-TCDD	1.73e6	0.79	NO	1.00	10.167	25.640	25.59	1.000	1.000	196.71	100	0.0820	
37	13C-1,2,3,4-TCDF	2.71e6	0.79	NO	1.00	10.167	24.130	24.10	1.000	1.000	196.71	100	0.102	
38	13C-1,2,3,4,6,9-HxCDF	1.54e6	0.50	NO	1.00	10.167	33.920	33.88	1.000	1.000	196.71	100	0.253	
39	Total Tetra-Dioxins				0.980	10.167	24.620		0.000		1.1544		0.0346	1.26
40	Total Penta-Dioxins				0.932	10.167	29.960		0.000		1.9205		0.0295	2.29
41	Total Hexa-Dioxins				0.902	10.167	33.635		0.000		11.362		0.0880	11.4
42	Total Hepta-Dioxins				0.918	10.167	37.640		0.000		59.965		0.339	60.0
43	Total Tetra-Furans				0.848	10.167	23.610		0.000		3.4171		0.0273	3.98
44	1st Func. Penta-Furans				0.960	10.167	26.930		0.000		2.1129		0.0108	2.11
45	Total Penta-Furans				0.960	10.167	29.275		0.000		4.8513		0.0328	4.85
46	Total Hexa-Furans				1.02	10.167	33.555		0.000		9.5063		0.0430	9.59
47	Total Hepta-Furans				1.05	10.167	37.835		0.000		16.395		0.0730	16.4

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-6.qld

Last Altered: Tuesday, December 15, 2020 10:34:49 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 10:35:31 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
 Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	22.59	1.670e4	2.132e4	1.460e3	2.026e3	0.72	NO	3.486e3	0.35403	0.35403	0.0346
2	Total Tetra-Dioxins	22.92	8.736e3	1.054e4	7.209e2	8.778e2	0.82	NO	1.599e3	0.16237	0.16237	0.0346
3	Total Tetra-Dioxins	23.48	5.849e3	7.455e3	4.219e2	5.201e2	0.81	NO	9.421e2	0.095682	0.095682	0.0346
4	Total Tetra-Dioxins	24.29	1.358e4	1.579e4	1.033e3	1.228e3	0.84	NO	2.261e3	0.22961	0.22961	0.0346
5	Total Tetra-Dioxins	24.50	4.454e3	5.914e3	3.099e2	4.485e2	0.69	NO	7.584e2	0.077027	0.077027	0.0346
6	Total Tetra-Dioxins	24.74	6.486e3	6.614e3	3.738e2	4.277e2	0.87	NO	8.015e2	0.081408	0.081408	0.0346
7	Total Tetra-Dioxins	26.10	3.790e3	6.510e3	2.878e2	4.317e2	0.67	NO	7.195e2	0.073073	0.073073	0.0346
8	2,3,7,8-TCDD	26.39	6.635e3	2.598e4	4.410e2	1.552e3	0.28	YES	1.994e3	0.00000	0.10297	0.0346
9	Total Tetra-Dioxins	26.70	3.137e3	4.953e3	2.164e2	2.863e2	0.76	NO	5.027e2	0.051058	0.051058	0.0346
10	Total Tetra-Dioxins	27.28	2.327e3	3.378e3	1.239e2	1.730e2	0.72	NO	2.969e2	0.030154	0.030154	0.0346

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	28.80	2.408e4	4.492e4	1.657e3	2.744e3	0.60	NO	4.401e3	0.65034	0.65034	0.0295
2	Total Penta-Dioxins	29.27	1.247e4	2.097e4	6.827e2	9.715e2	0.70	NO	1.654e3	0.24443	0.24443	0.0295
3	Total Penta-Dioxins	29.80	2.100e4	2.855e4	9.885e2	1.549e3	0.64	NO	2.537e3	0.37491	0.37491	0.0295
4	Total Penta-Dioxins	29.98	1.456e4	1.812e4	5.802e2	8.094e2	0.72	NO	0.000e0	0.00000	0.20533	0.0295
5	Total Penta-Dioxins	30.01	6.935e3	1.207e4	3.057e2	5.154e2	0.59	NO	0.000e0	0.00000	0.12133	0.0295
6	Total Penta-Dioxins	30.26	1.363e4	2.666e4	8.718e2	1.543e3	0.56	NO	2.415e3	0.35687	0.35687	0.0295
7	1,2,3,7,8-PeCDD	31.05	9.946e3	1.516e4	4.955e2	8.159e2	0.61	NO	1.311e3	0.19377	0.19377	0.0295
8	Total Penta-Dioxins	31.12	2.524e3	4.102e3	1.020e2	1.773e2	0.57	NO	0.000e0	0.00000	0.041266	0.0295
9	Total Penta-Dioxins	31.42	4.478e3	5.783e3	2.782e2	4.000e2	0.70	NO	6.782e2	0.10021	0.10021	0.0295

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-6.qld

Last Altered: Tuesday, December 15, 2020 10:34:49 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 10:35:31 AM Pacific Standard Time

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	32.71	2.880e5	2.303e5	1.374e4	1.114e4	1.23	NO	2.488e4	4.5038	4.5038	0.0880
Total Hexa-Dioxins	33.32	2.551e4	2.115e4	1.386e3	1.154e3	1.20	NO	2.540e3	0.45973	0.45973	0.0880
Total Hexa-Dioxins	33.61	1.751e5	1.493e5	1.305e4	1.053e4	1.24	NO	2.358e4	4.2672	4.2672	0.0880
Total Hexa-Dioxins	33.70	1.306e4	9.021e3	4.782e2	3.705e2	1.29	NO	8.487e2	0.15363	0.15363	0.0880
1,2,3,4,7,8-HxCDD	34.37	1.079e4	9.629e3	6.084e2	5.287e2	1.15	NO	1.137e3	0.19522	0.19522	0.0807
1,2,3,6,7,8-HxCDD	34.48	6.035e4	4.994e4	3.462e3	2.717e3	1.27	NO	6.179e3	1.0767	1.0767	0.0839
Total Hexa-Dioxins	34.64	8.781e3	4.773e3	4.301e2	3.458e2	1.24	NO	7.759e2	0.14044	0.14044	0.0880
1,2,3,7,8,9-HxCDD	34.77	3.096e4	2.702e4	1.849e3	1.549e3	1.19	NO	3.398e3	0.56557	0.56557	0.0845

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.21	1.117e6	1.081e6	7.877e4	7.666e4	1.03	NO	1.554e5	32.971	32.971	0.339
1,2,3,4,6,7,8-HpCDD	38.21	1.146e6	1.144e6	6.504e4	6.221e4	1.05	NO	1.273e5	26.994	26.994	0.339

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-6.qld

Last Altered: Tuesday, December 15, 2020 10:34:49 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 10:35:31 AM Pacific Standard Time

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	20.35	4.344e3	5.952e3	3.924e2	5.103e2	0.77	NO	9.027e2	0.076433	0.076433	0.0273
Total Tetra-Furans	20.89	5.659e3	1.057e4	5.068e2	7.708e2	0.66	NO	1.278e3	0.10818	0.10818	0.0273
Total Tetra-Furans	21.69	2.914e4	3.476e4	2.461e3	3.329e3	0.74	NO	5.790e3	0.49026	0.49026	0.0273
Total Tetra-Furans	22.62	2.056e4	2.558e4	2.079e3	2.769e3	0.75	NO	4.849e3	0.41053	0.41053	0.0273
Total Tetra-Furans	23.10	1.974e4	2.663e4	1.569e3	2.192e3	0.72	NO	3.761e3	0.31847	0.31847	0.0273
Total Tetra-Furans	23.21	5.056e3	6.164e3	3.783e2	4.969e2	0.76	NO	8.752e2	0.074107	0.074107	0.0273
Total Tetra-Furans	23.44	6.711e3	1.134e4	5.602e2	7.795e2	0.72	NO	1.340e3	0.11344	0.11344	0.0273
Total Tetra-Furans	23.85	4.545e3	3.959e3	2.194e2	2.944e2	0.75	NO	5.138e2	0.043503	0.043503	0.0273
Total Tetra-Furans	23.95	5.371e3	4.908e3	3.975e2	4.829e2	0.82	NO	8.804e2	0.074544	0.074544	0.0273
Total Tetra-Furans	24.21	1.270e4	1.618e4	6.788e2	9.629e2	0.70	NO	0.000e0	0.00000	0.13900	0.0273
Total Tetra-Furans	24.26	1.536e4	2.283e4	1.245e3	1.603e3	0.78	NO	0.000e0	0.00000	0.24116	0.0273
Total Tetra-Furans	24.52	3.027e3	4.005e3	2.016e2	2.643e2	0.76	NO	4.659e2	0.039449	0.039449	0.0273
Total Tetra-Furans	24.68	4.125e4	5.133e4	3.110e3	3.934e3	0.79	NO	7.045e3	0.59649	0.59649	0.0273
Total Tetra-Furans	25.00	4.754e3	5.969e3	2.823e2	4.208e2	0.67	NO	7.031e2	0.059536	0.059536	0.0273
Total Tetra-Furans	25.08	1.915e3	2.669e3	1.185e2	1.718e2	0.69	NO	2.903e2	0.024583	0.024583	0.0273
Total Tetra-Furans	25.23	1.699e3	2.653e3	7.252e1	1.014e2	0.72	NO	1.739e2	0.014727	0.014727	0.0273
Total Tetra-Furans	25.40	4.577e3	3.935e3	1.599e2	2.215e2	0.72	NO	3.815e2	0.032301	0.032301	0.0273
Total Tetra-Furans	25.57	7.639e3	1.106e4	5.103e2	7.479e2	0.68	NO	1.258e3	0.10654	0.10654	0.0273
2,3,7,8-TCDF	25.70	5.508e4	7.061e4	3.217e3	4.313e3	0.75	NO	7.529e3	0.63753	0.63753	0.0273
Total Tetra-Furans	25.96	4.859e3	5.725e3	2.616e2	3.548e2	0.74	NO	0.000e0	0.00000	0.052192	0.0273
Total Tetra-Furans	25.99	9.171e3	1.054e4	5.006e2	6.421e2	0.78	NO	0.000e0	0.00000	0.096756	0.0273
Total Tetra-Furans	26.88	4.372e3	5.377e3	2.621e2	3.585e2	0.73	NO	6.205e2	0.052541	0.052541	0.0273
Total Tetra-Furans	27.03	5.570e3	6.566e3	2.762e2	3.926e2	0.70	NO	6.689e2	0.056634	0.056634	0.0273
Total Tetra-Furans	27.21	8.042e3	8.619e3	4.241e2	6.073e2	0.70	NO	1.031e3	0.087331	0.087331	0.0273
Total Tetra-Furans	27.59	3.642e3	6.291e3	1.834e2	3.691e2	0.50	YES	0.000e0	0.00000	0.035701	0.0273

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1st Func. Penta-Furans	27.18	2.170e5	1.423e5	1.352e4	8.177e3	1.65	NO	2.169e4	2.1129	2.1129	0.0108

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-6.qld

Last Altered: Tuesday, December 15, 2020 10:34:49 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 10:35:31 AM Pacific Standard Time

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Penta-Furans	28.65	1.461e4	1.010e4	1.068e3	7.220e2	1.48	NO	1.790e3	0.17435	0.17435	0.0328
2 Total Penta-Furans	28.82	1.415e5	8.992e4	9.098e3	5.580e3	1.63	NO	1.468e4	1.4297	1.4297	0.0328
3 Total Penta-Furans	29.45	5.158e4	2.364e4	2.460e3	1.398e3	1.76	NO	3.857e3	0.37570	0.37570	0.0328
4 Total Penta-Furans	29.60	1.828e4	1.135e4	9.781e2	7.206e2	1.36	NO	1.699e3	0.16547	0.16547	0.0328
5 1,2,3,7,8-PeCDF	29.80	1.775e5	1.051e5	8.623e3	5.516e3	1.56	NO	1.414e4	1.3575	1.3575	0.0327
6 Total Penta-Furans	30.05	5.959e4	4.442e4	3.310e3	2.164e3	1.53	NO	5.474e3	0.53316	0.53316	0.0328
7 2,3,4,7,8-PeCDF	30.87	1.178e5	7.407e4	5.579e3	3.594e3	1.55	NO	9.173e3	0.81537	0.81537	0.0295

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Furans	32.18	4.723e4	4.524e4	2.639e3	2.125e3	1.24	NO	4.765e3	0.66365	0.66365	0.0430
2 Total Hexa-Furans	32.36	1.820e5	1.459e5	8.958e3	7.232e3	1.24	NO	1.619e4	2.2550	2.2550	0.0430
3 Total Hexa-Furans	32.75	4.508e3	4.318e3	2.272e2	1.828e2	1.24	NO	4.100e2	0.057105	0.057105	0.0430
4 Total Hexa-Furans	32.99	2.185e5	1.835e5	1.136e4	9.339e3	1.22	NO	2.070e4	2.8829	2.8829	0.0430
5 Total Hexa-Furans	33.32	6.359e3	6.708e3	3.026e2	2.846e2	1.06	NO	0.000e0	0.00000	0.081784	0.0430
6 1,2,3,4,7,8-HxCDF	33.45	1.540e5	1.190e5	8.457e3	6.946e3	1.22	NO	1.540e4	2.1377	2.1377	0.0403
7 1,2,3,6,7,8-HxCDF	33.58	6.149e4	5.150e4	3.309e3	2.714e3	1.22	NO	6.023e3	0.79711	0.79711	0.0394
8 2,3,4,6,7,8-HxCDF	34.26	2.502e4	1.992e4	1.647e3	1.294e3	1.27	NO	2.942e3	0.40832	0.40832	0.0419
9 1,2,3,7,8,9-HxCDF	35.26	1.276e4	9.529e3	3.249e2	2.924e2	1.11	NO	6.173e2	0.095741	0.095741	0.0537
10 Total Hexa-Furans	35.28	1.756e4	1.328e4	8.387e2	6.603e2	1.27	NO	1.499e3	0.20878	0.20878	0.0430

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 1,2,3,4,6,7,8-HpCDF	36.83	2.326e5	2.484e5	1.638e4	1.675e4	0.98	NO	3.313e4	6.3862	6.3862	0.0751
2 Total Hepta-Furans	37.54	3.608e5	3.427e5	2.295e4	2.264e4	1.01	NO	4.559e4	9.4424	9.4424	0.0730
3 1,2,3,4,7,8,9-HpCDF	38.83	2.665e4	2.564e4	1.479e3	1.359e3	1.09	NO	2.838e3	0.56657	0.56657	0.0630

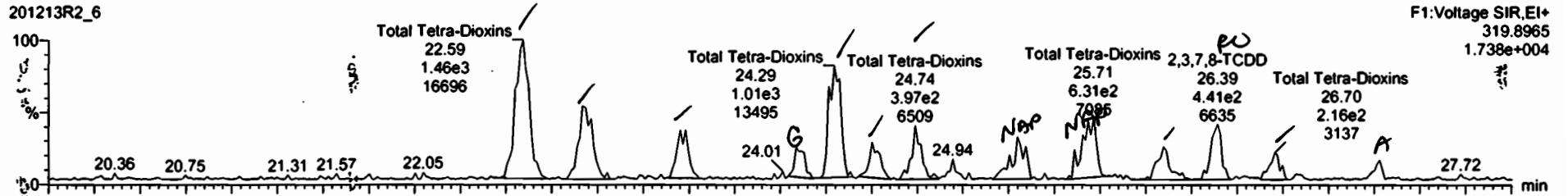
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

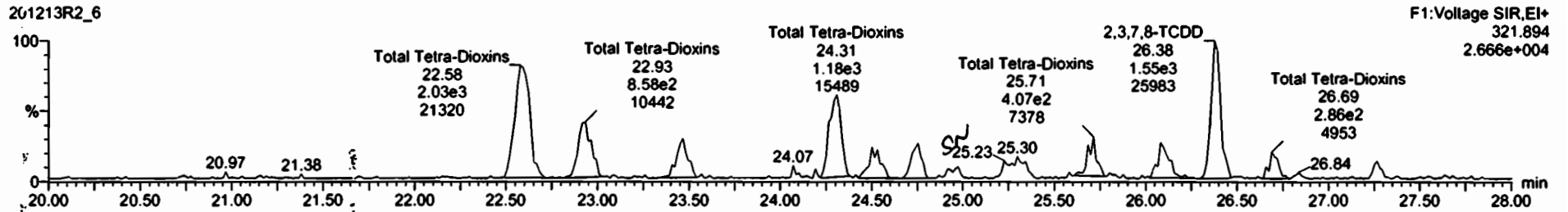
Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

2,3,7,8-TCDD

201213R2_6

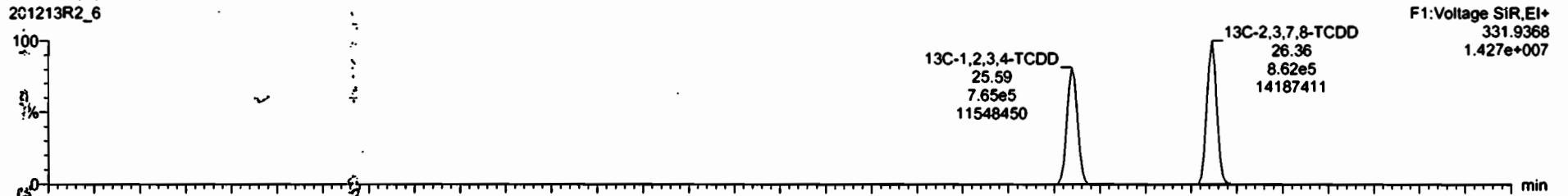


201213R2_6

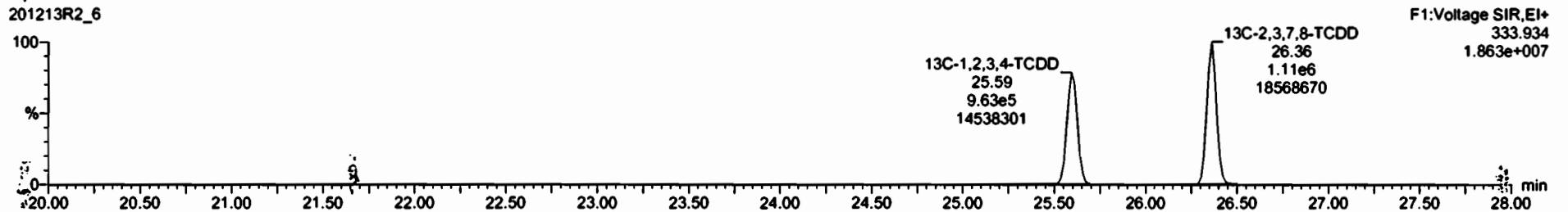


13C-2,3,7,8-TCDD

201213R2_6

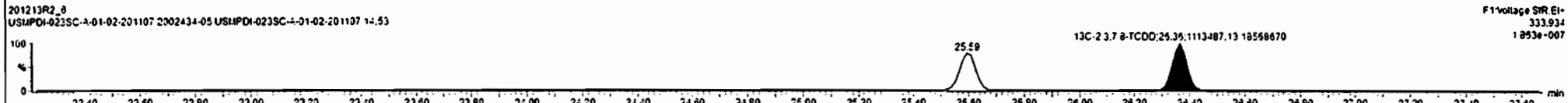
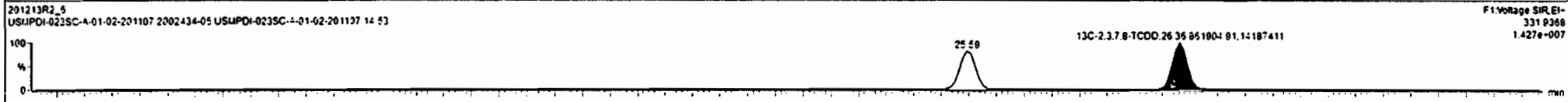
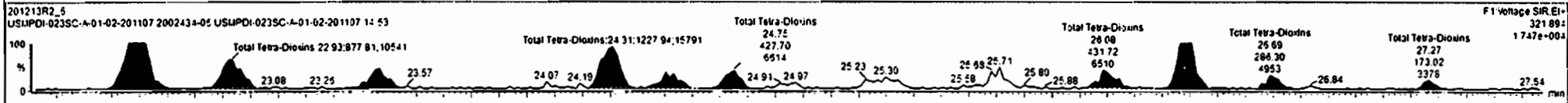
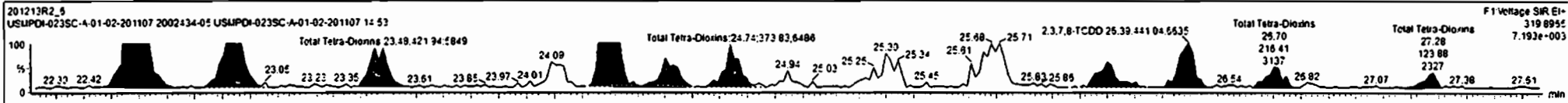


201213R2_6



Name	Resp	RA	n1	RF	wtVol	RT	RRT	Conc	%Rec	DL	EUPC
39	Total Tetra-Dioxins			0.0005	10.167			1.15		0.0346	1.28

Name	RT	m1 Resp	m2 Resp	RA	n1	EUPC	Conc
1	Total Tetra-Dioxins	22.59	1.465e3	2.026e3	0.72	NO	0.35403
2	Total Tetra-Dioxins	22.92	7.205e2	8.778e2	0.82	NO	0.16237
3	Total Tetra-Dioxins	23.48	4.219e2	5.201e2	0.81	NO	0.09682
4	Total Tetra-Dioxins	24.29	1.537e3	1.226e3	0.84	NO	0.22951
5	Total Tetra-Dioxins	24.50	3.699e2	4.485e2	0.89	NO	0.07702
6	Total Tetra-Dioxins	24.74	3.738e2	4.277e2	0.87	NO	0.081408
7	Total Tetra-Dioxins	26.10	2.878e2	4.317e2	0.67	NO	0.073073
8	2,3,7,8-TCDD	26.39	4.412e2	1.552e3	0.28	YES	0.02000
9	Total Tetra-Dioxins	26.70	2.184e2	2.863e2	0.76	NO	0.051056
10	Total Tetra-Dioxins	27.28	1.239e2	1.730e2	0.72	NO	0.030154



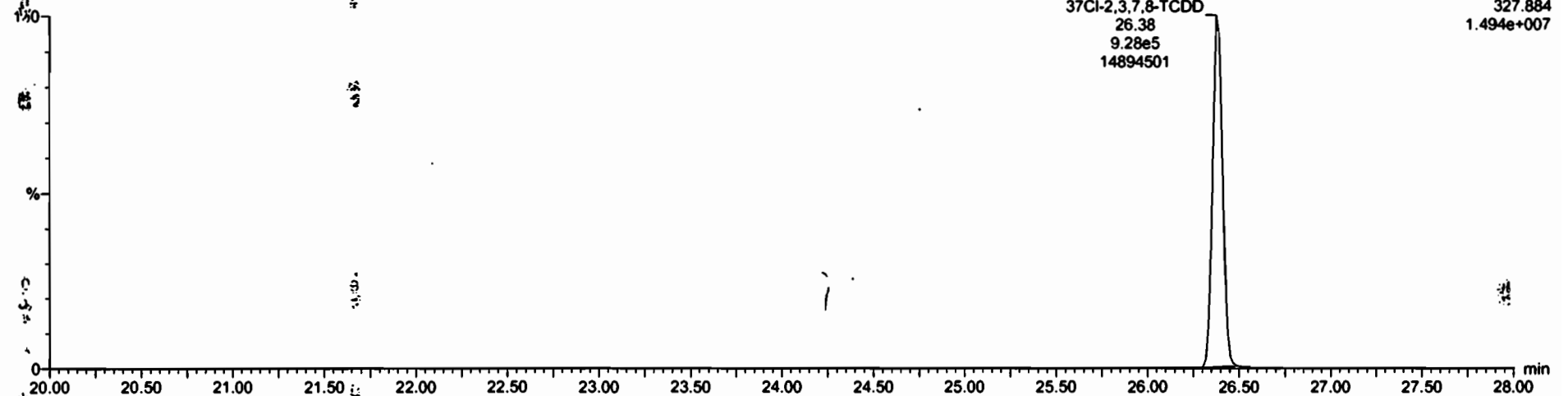
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

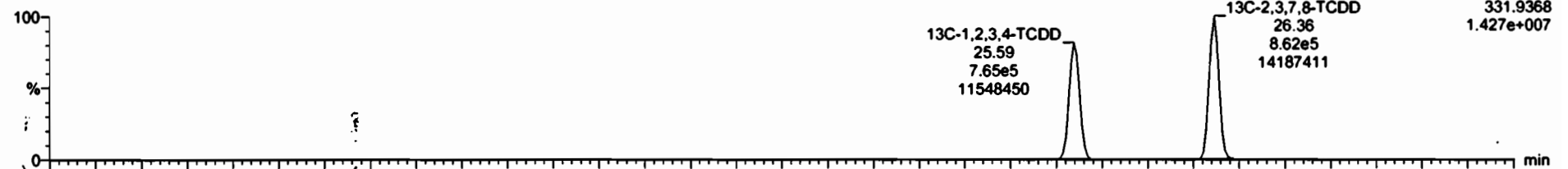
37Cl-2,3,7,8-TCDD

201213R2_6

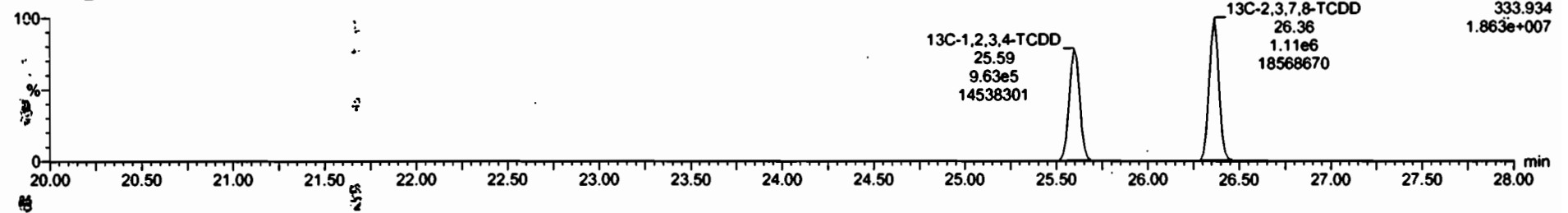


13C-1,2,3,4-TCDD

201213R2_6



201213R2_6



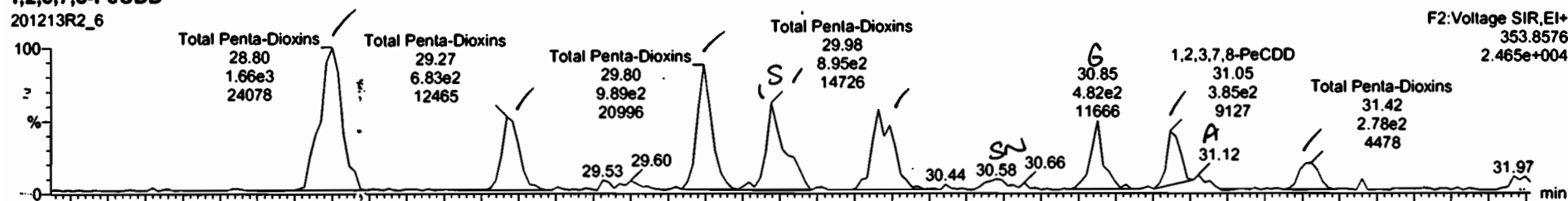
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

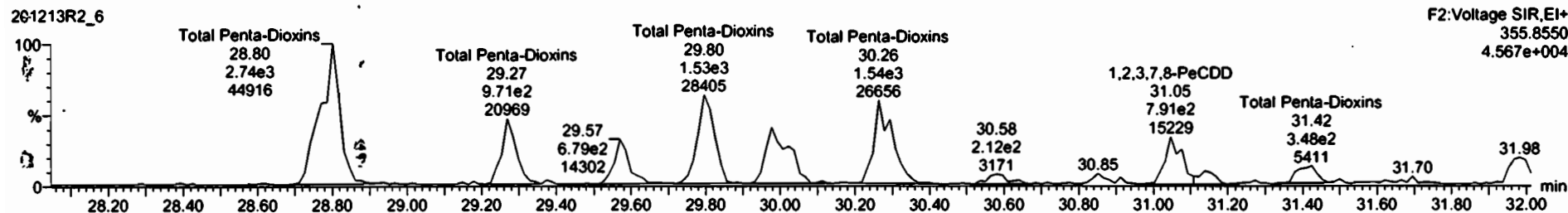
Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

1,2,3,7,8-PeCDD

201213R2_6



261213R2_6

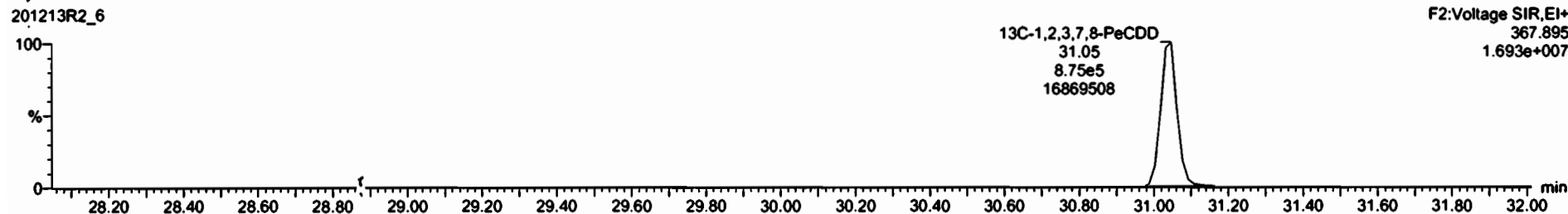


13C-1,2,3,7,8-PeCDD

201213R2_6

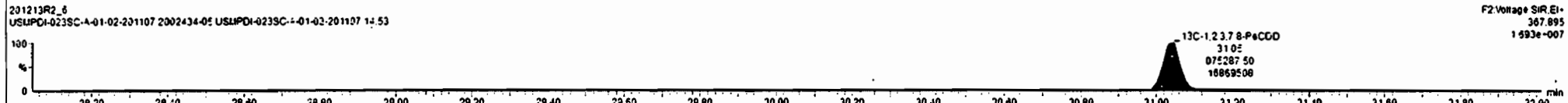
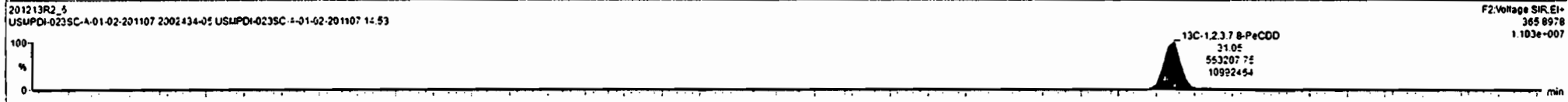
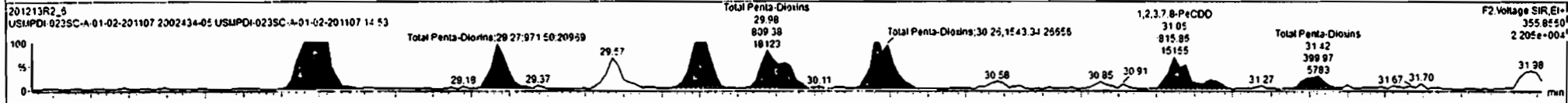
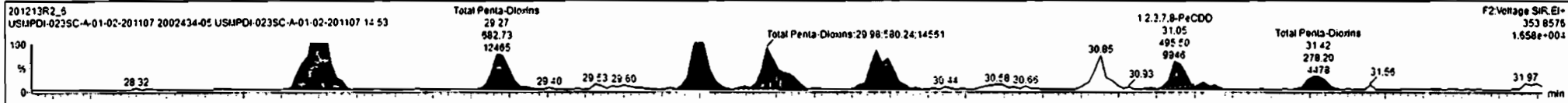


201213R2_6



Name	Resp	RA	n1	RF	wtVal	RT	QRT	Conc.	%Rec	DL	EUPC
35	Total Tetra-Dioxins			0.8805	10.167			1.15		0.0348	1.28

Name	RT1	m1 Resp	m2 Resp	RA	n1	EUPC	Conc.
1	Total Penta-Dioxins	28.80	1.657e2	2.744e3	0.60	150	0.65034
2	Total Penta-Dioxins	29.27	6.827e2	9.715e2	0.70	150	0.24443
3	Total Penta-Dioxins	29.80	9.885e2	1.549e3	0.64	150	0.37491
4	Total Penta-Dioxins	29.98	5.802e2	8.694e2	0.72	150	0.20533
5	Total Penta-Dioxins	30.01	3.057e2	5.154e2	0.59	150	0.12133
6	Total Penta-Dioxins	30.26	6.718e2	1.543e3	0.56	150	0.35687
7	1,2,3,7,8-PeCDD	31.05	4.955e2	8.159e2	0.61	150	0.19377
8	Total Penta-Dioxins	31.12	1.620e2	1.772e2	0.57	150	0.041268
9	Total Penta-Dioxins	31.42	2.782e2	4.000e2	0.70	150	0.10021



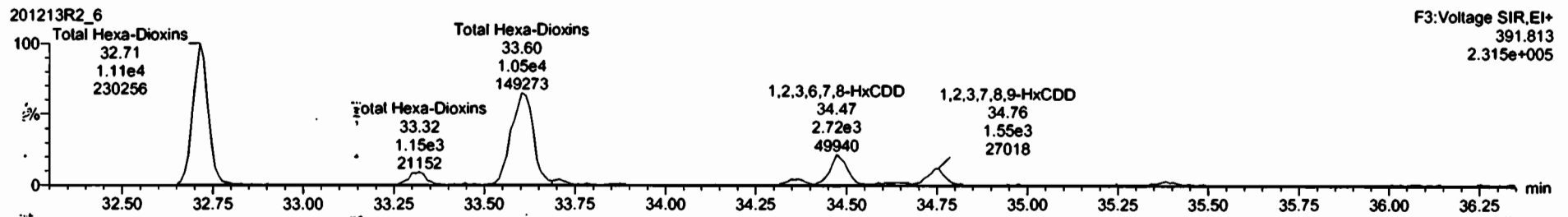
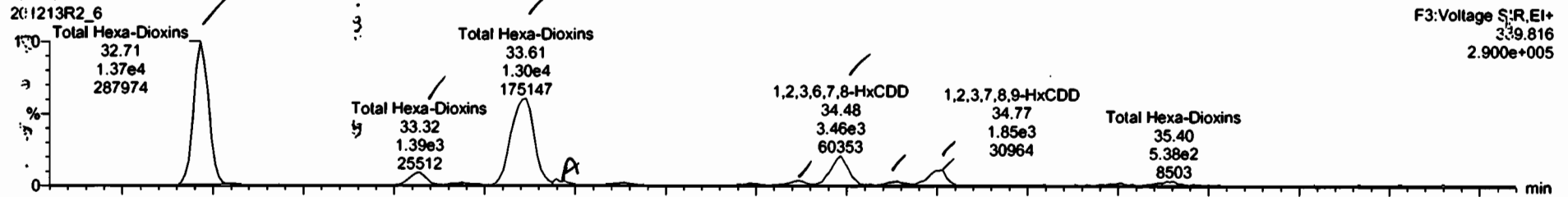
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

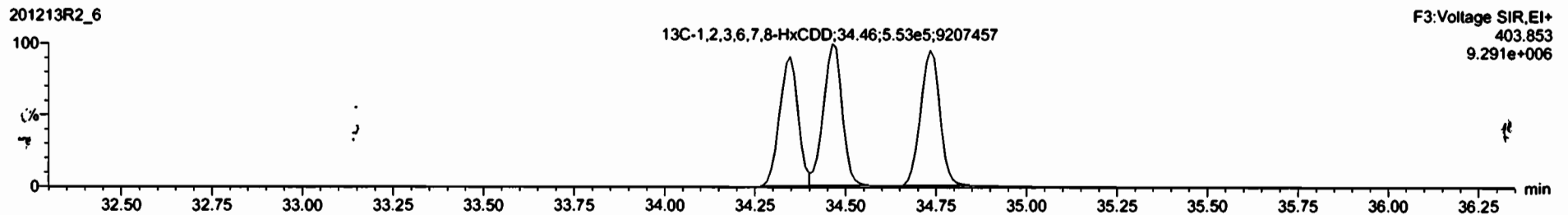
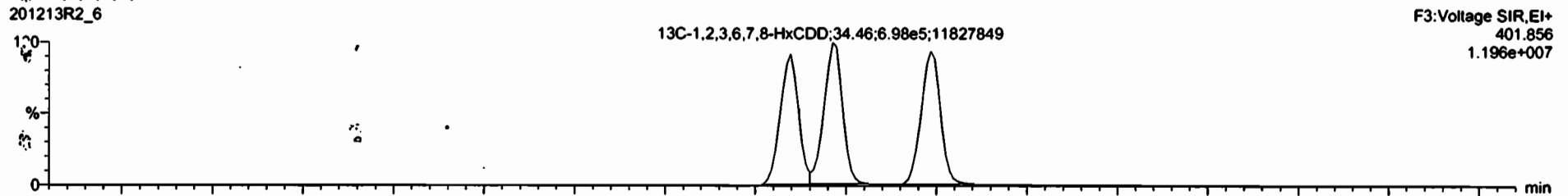
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

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

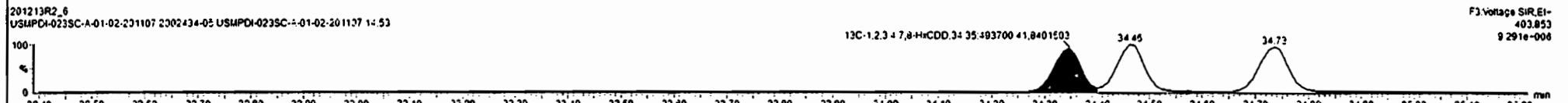
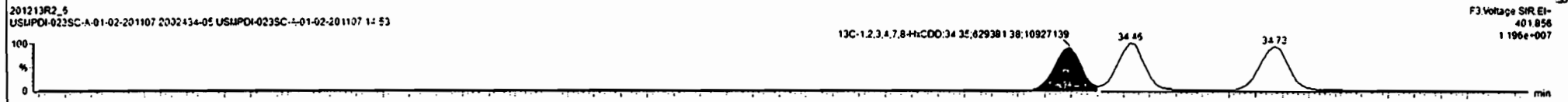
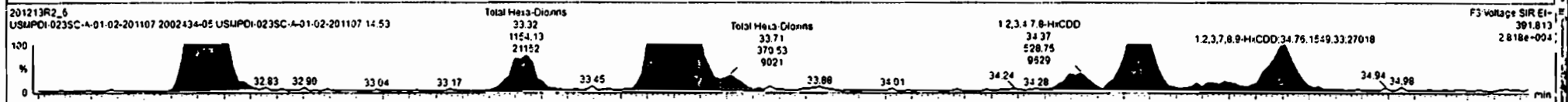
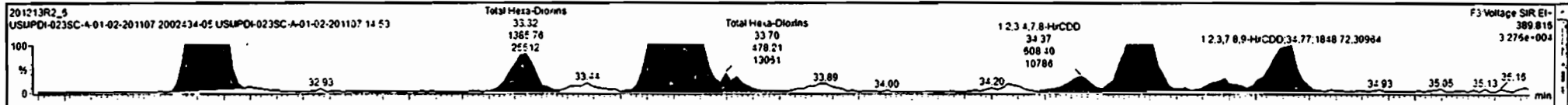


13C-1,2,3,4,7,8-HxCDD



Name	Resp	RA	n/y	RF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
41 TotalHexa-Chlorins				0.6025	18.167			11.4			

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 TotalHexa-Chlorins	32.71	1.374e4	1.114e4	1.23	I/D	4.5038	4.5038
2 TotalHexa-Chlorins	33.32	1.388e3	1.154e3	1.20	I/D	0.45973	0.45973
3 TotalHexa-Chlorins	33.81	1.305e4	1.053e4	1.24	I/D	4.2672	4.2672
4 TotalHexa-Chlorins	33.70	4.782e2	3.705e2	1.20	I/D	0.15363	0.15363
5 1,2,3,4,7,8-HxCDD	34.37	6.684e2	5.287e2	1.15	I/D	0.19532	0.19532
6 1,2,3,6,7,8-HxCDD	34.48	3.462e2	2.717e2	1.27	I/D	1.0767	1.0767
7 TotalHexa-Chlorins	34.64	4.301e2	3.456e2	1.24	I/D	0.14044	0.14044
8 1,2,3,7,8,9-HxCDD	34.77	1.849e2	1.549e2	1.19	I/D	0.56557	0.56557



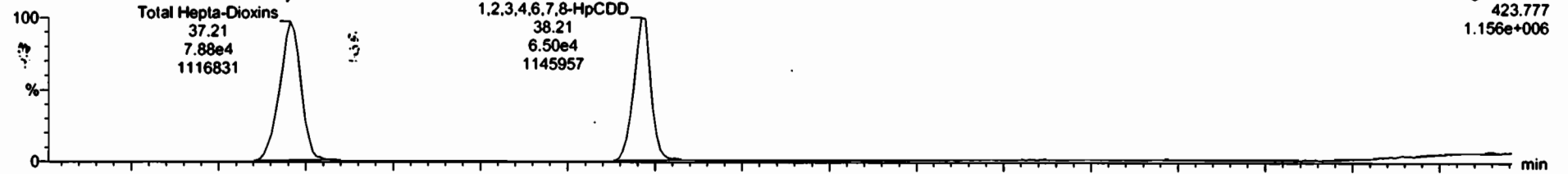
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

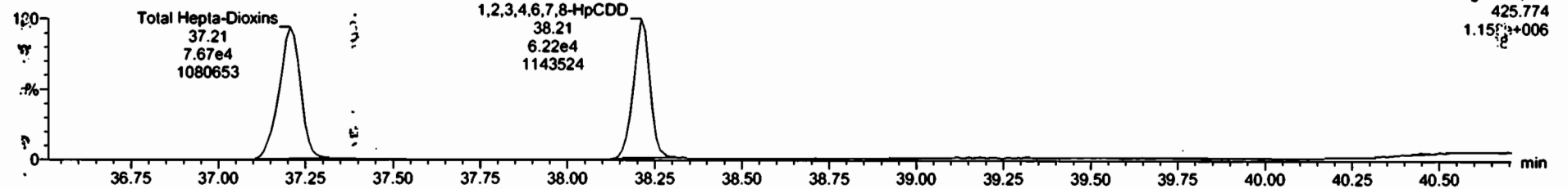
Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

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

201213R2_6

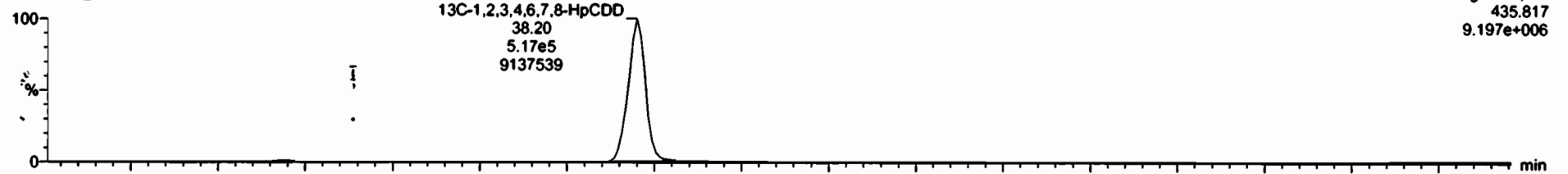


201213R2_6

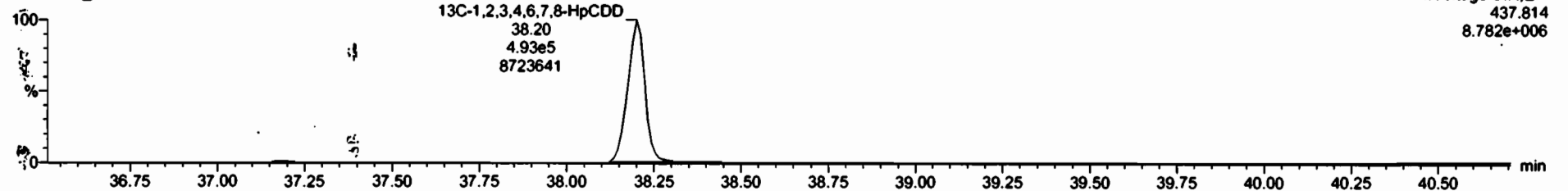


13C-1,2,3,4,6,7,8-HpCDD

201213R2_6



201213R2_6



Dataset: Untitled

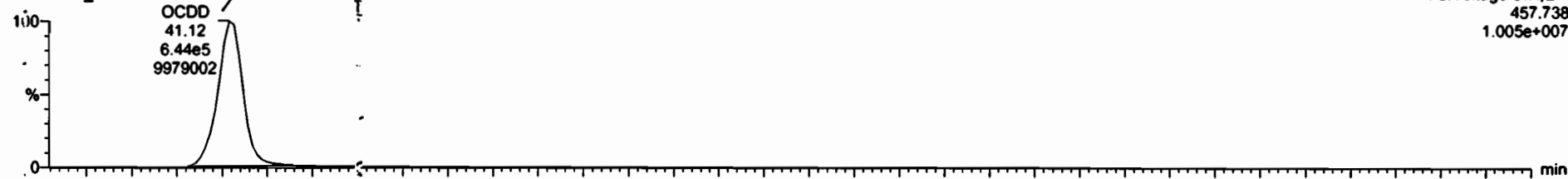
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

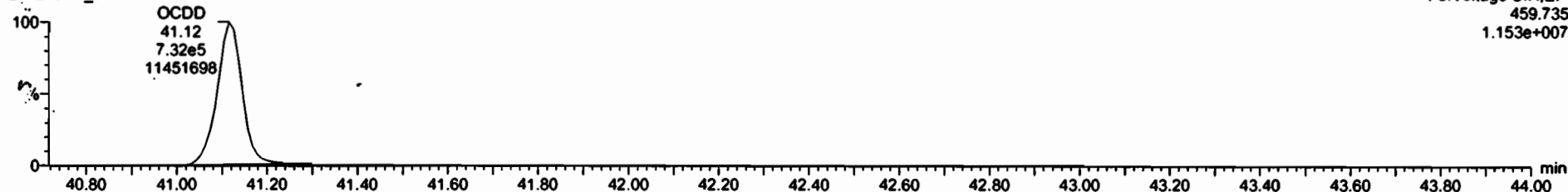
Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

OCDD

201213R2_6



201213R2_6

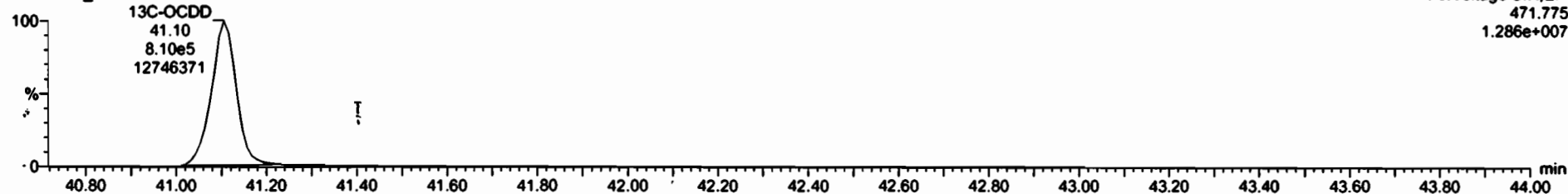


13C-OCDD

201213R2_6



201213R2_6

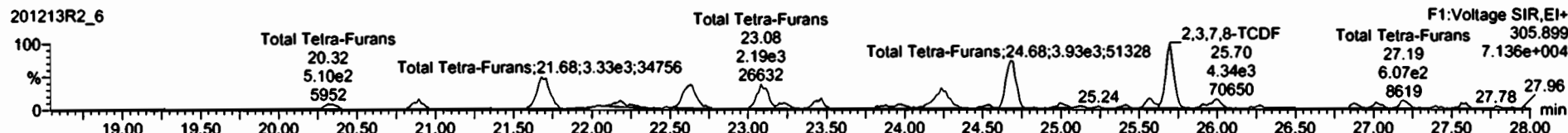
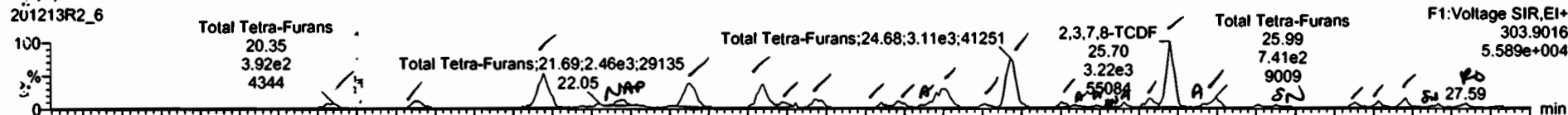


Dataset: Untitled

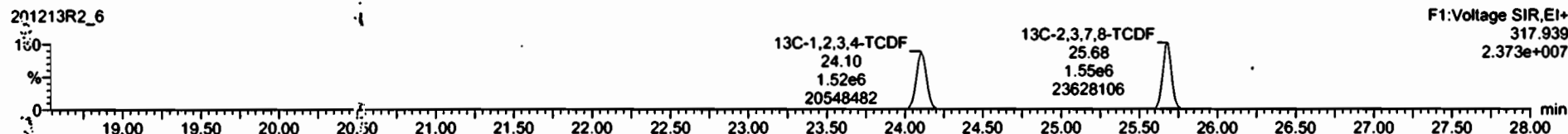
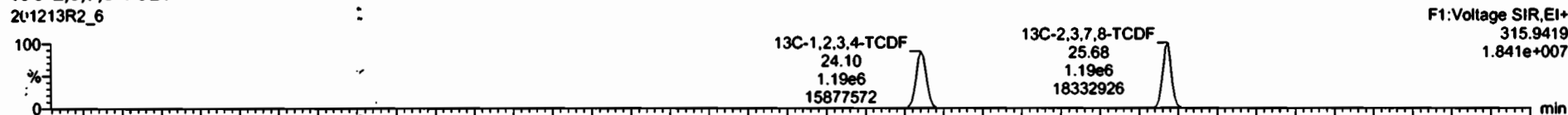
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

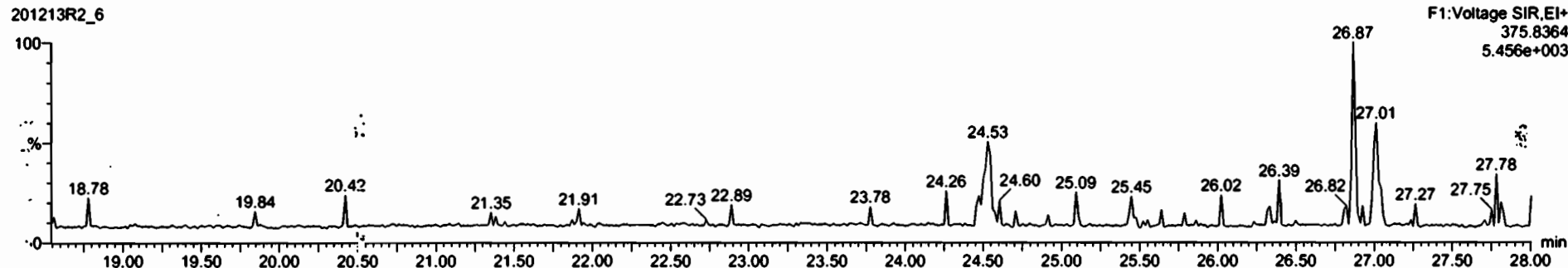
2,3,7,8-TCDF



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

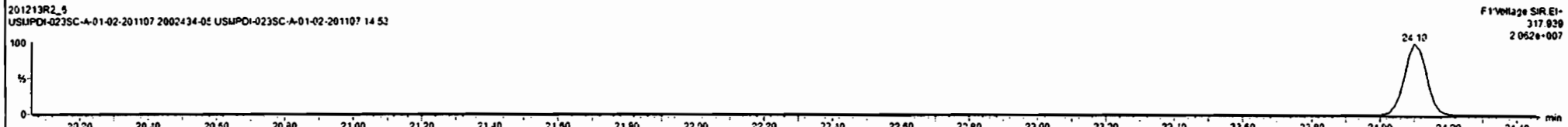
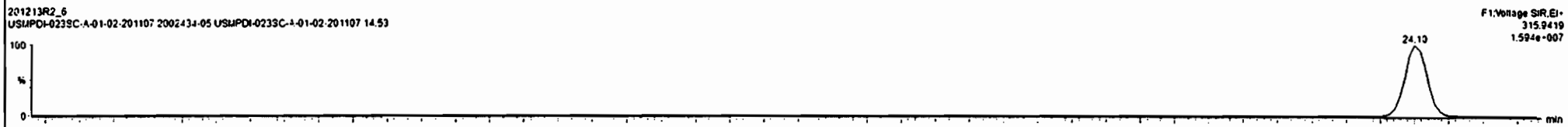
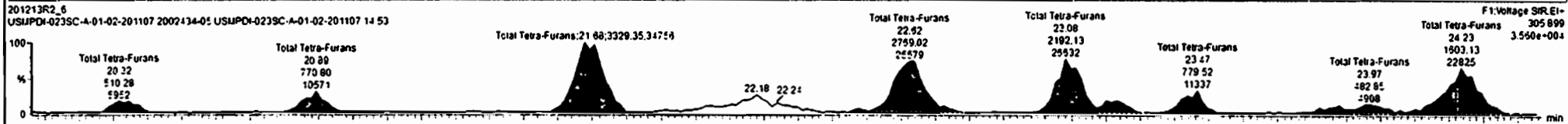
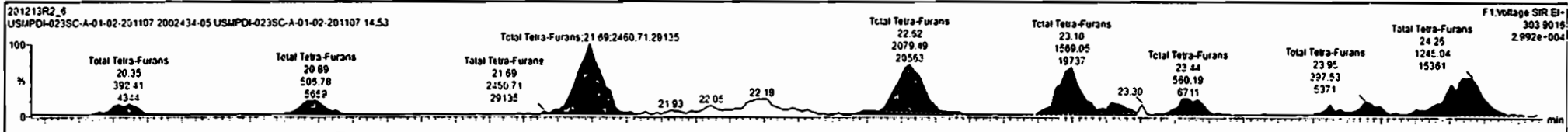


DPE1



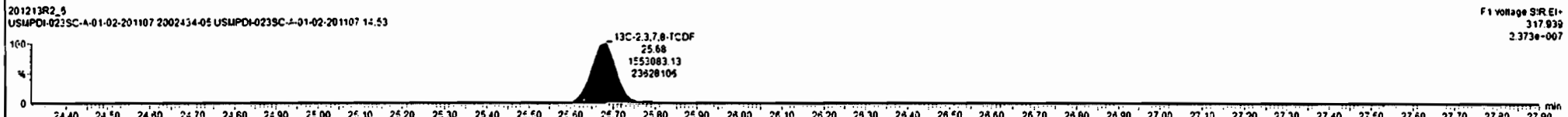
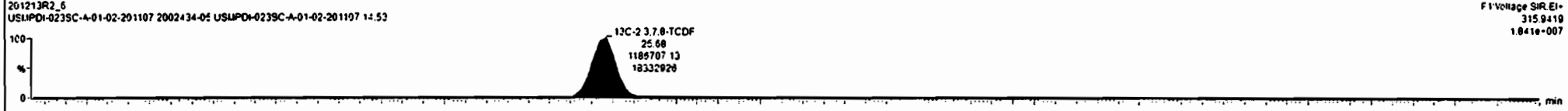
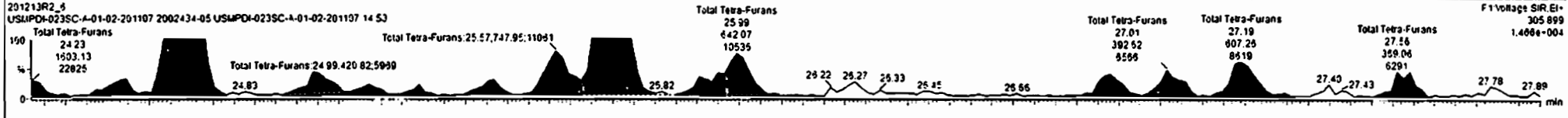
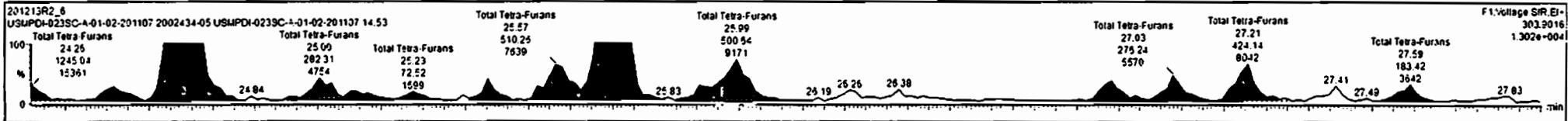
Name	Resp	RA	ny	RRF	wt%val	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans			0.2480	10.167			3.30		0.0273	3.62

Name	RT	m1 Resp	m2 Resp	RA	ny	EMPC	Conc	
1	Total Tetra-Furans	20.35	5.52e2	5.103e2	0.77	NO	0.076433	0.076433
2	Total Tetra-Furans	20.89	5.068e2	7.708e2	0.96	NO	0.108818	0.108818
3	Total Tetra-Furans	21.69	2.461e3	3.329e3	0.74	NO	0.45026	0.49026
4	Total Tetra-Furans	22.82	2.675e3	2.759e3	0.75	NO	0.41053	0.41053
5	Total Tetra-Furans	23.10	1.585e3	2.192e3	0.72	NO	0.31947	0.31847
6	Total Tetra-Furans	23.21	3.753e2	4.959e2	0.76	NO	0.074107	0.074107
7	Total Tetra-Furans	23.44	5.802e2	7.795e2	0.72	NO	0.11344	0.11344
8	Total Tetra-Furans	23.95	2.191e2	2.944e2	0.75	NO	0.043563	0.043563
9	Total Tetra-Furans	23.95	3.975e2	4.829e2	0.82	NO	0.074544	0.074544
10	Total Tetra-Furans	24.21	6.793e2	9.629e2	0.70	NO	0.13900	0.03900
11	Total Tetra-Furans	24.26	1.245e3	1.603e3	0.78	NO	0.24116	0.00000



Name	Reso	RA	ny	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.8480	10.167			3.42		0.0273	3.08

Name	RT	m1 Resp	m2 Resp	RA	ny	EMPC	Conc
12 Total Tetra-Furans	24.52	2.016e2	2.843e2	0.78	NO	0.029448	0.029445
13 Total Tetra-Furans	24.86	3.116e2	3.924e2	0.79	NO	0.029649	0.029649
14 Total Tetra-Furans	25.00	2.823e2	4.208e2	0.67	NO	0.029636	0.029636
15 Total Tetra-Furans	25.06	1.185e2	1.718e2	0.69	NO	0.024583	0.024582
16 Total Tetra-Furans	25.23	7.252e1	1.014e2	0.72	NO	0.014727	0.014727
17 Total Tetra-Furans	25.40	1.595e2	2.215e2	0.72	NO	0.022301	0.022301
18 Total Tetra-Furans	25.57	5.103e2	7.470e2	0.68	NO	0.10654	0.10654
19 2,3,7,8-TCDF	25.70	3.317e2	4.313e2	0.75	NO	0.037253	0.037253
20 Total Tetra-Furans	25.96	2.616e2	3.548e2	0.74	NO	0.022152	0.022152
21 Total Tetra-Furans	25.99	5.09e2	6.421e2	0.78	NO	0.096758	0.096758
22 Total Tetra-Furans	26.86	2.621e2	3.585e2	0.73	NO	0.022541	0.022541
23 Total Tetra-Furans	27.03	2.782e2	3.926e2	0.70	NO	0.026634	0.026634
24 Total Tetra-Furans	27.21	4.241e2	5.073e2	0.70	NO	0.067331	0.067331
25 Total Tetra-Furans	27.59	1.834e2	3.691e2	0.50	YES	0.025761	0.025761



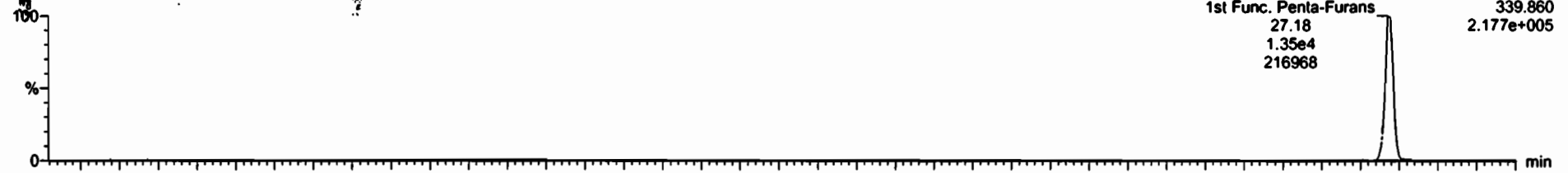
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

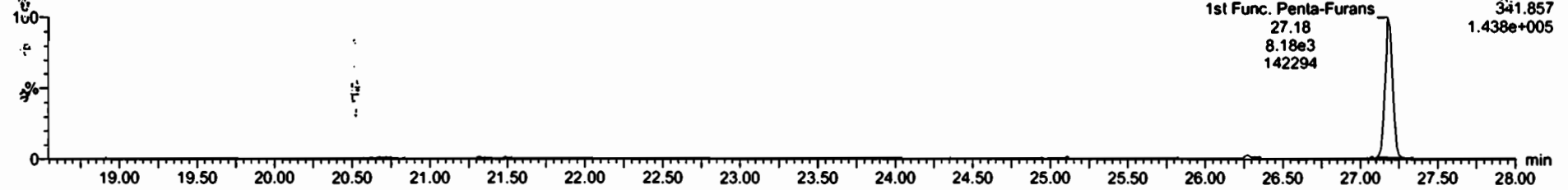
Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

1st Func. Penta-Furans

201213R2_6

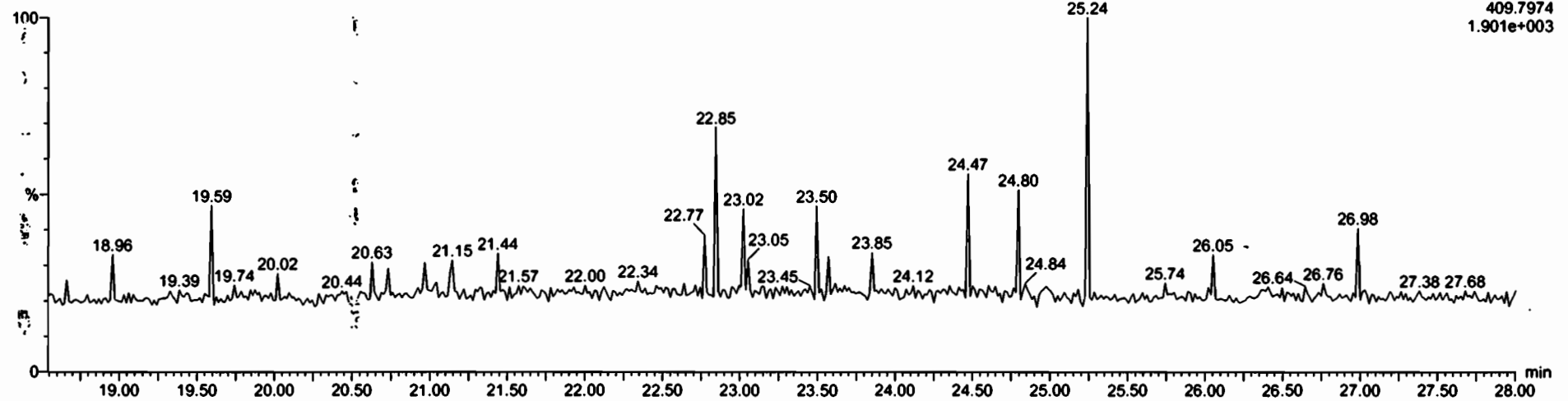


201213R2_6



DPE6

201213R2_6



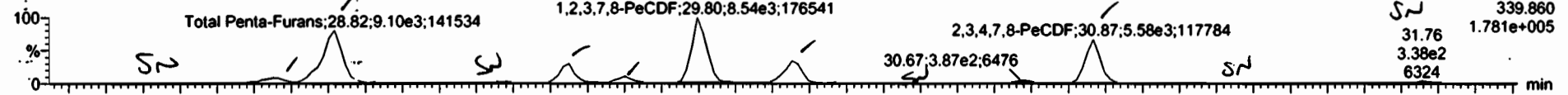
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

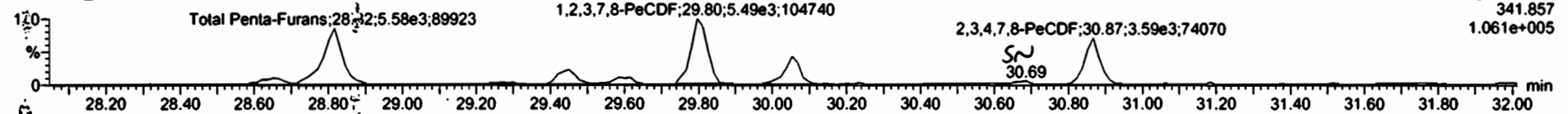
Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

1,2,3,7,8-PeCDF

201213R2_6



201213R2_6

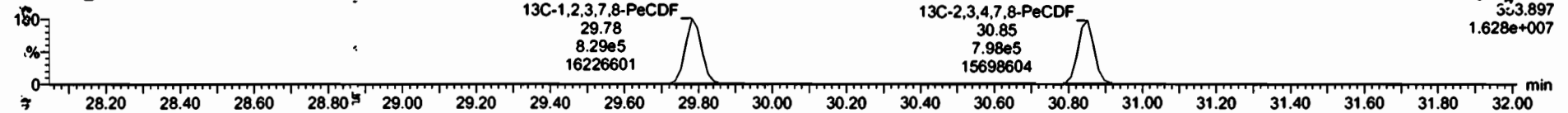


13C-1,2,3,7,8-PeCDF

201213R2_6

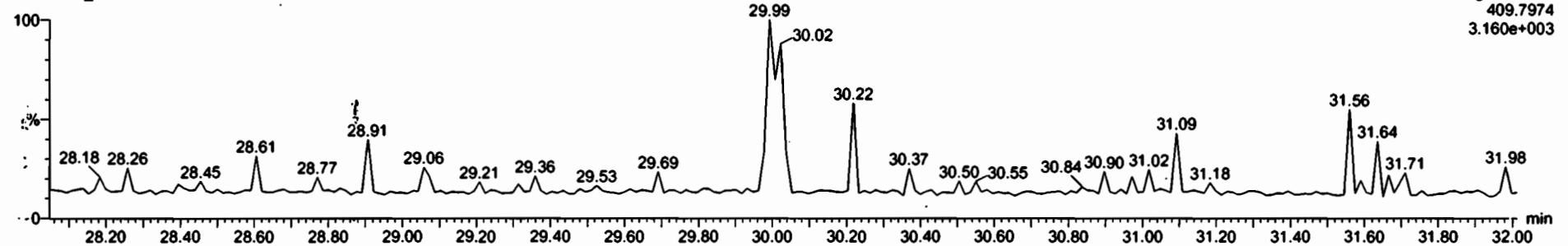


201213R2_6



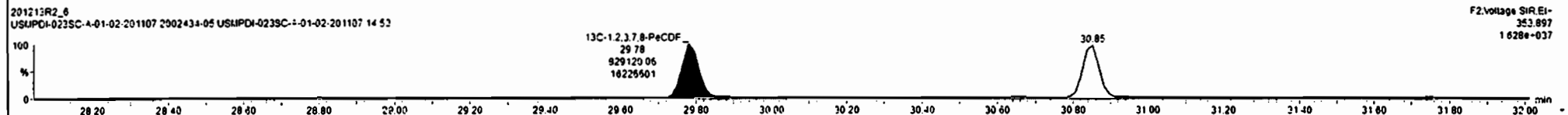
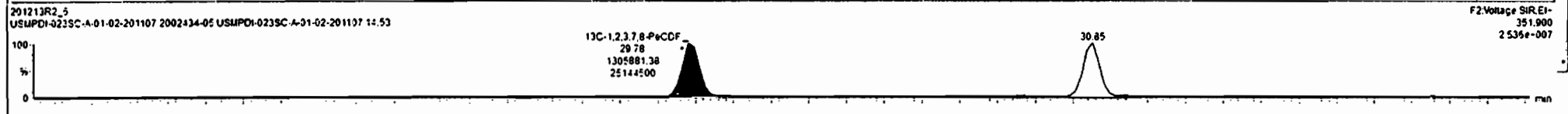
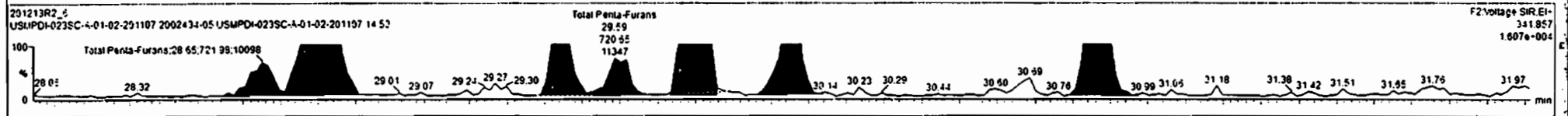
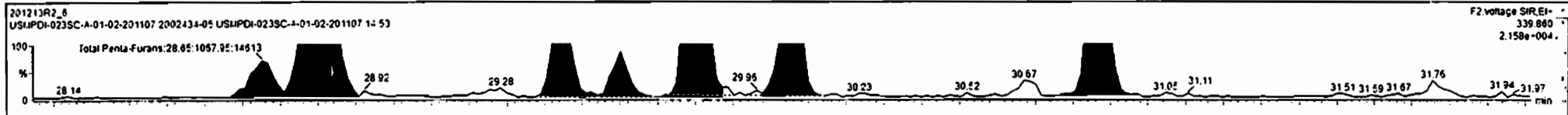
DPE2

201213R2_6



Name	Resp	RA	nY	RfF	wtVal	RT	RRT	Conc	%Rec	DL	EMPC
Total Penta-Furans						19.167		4.85		0.0326	4.85

Name	RT	mt Resp	mQ Resp	RA	nY	EMPC	Conc
1 Total Penta-Furans	28.85	1.065e2	7.220e2	1.48	NO	0.17435	0.17435
2 Total Penta-Furans	28.82	9.098e2	5.580e3	1.63	NO	1.4297	1.4297
3 Total Penta-Furans	29.45	2.465e2	1.308e3	1.76	NO	0.37570	0.37570
4 Total Penta-Furans	29.50	8.781e2	7.206e2	1.36	NO	0.16547	0.16547
5 1,2,3,7,8-PeCDF	29.80	8.823e2	5.516e3	1.56	NO	1.3575	1.3575
6 Total Penta-Furans	30.05	3.310e2	2.154e2	1.53	NO	0.53316	0.53316
7 2,2',7,8-PeCDF	30.87	5.579e2	3.594e2	1.55	NO	0.61537	0.61537

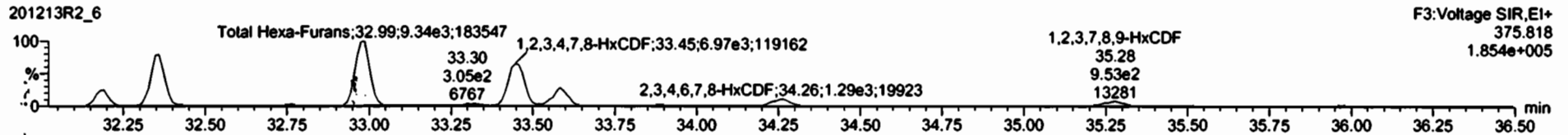
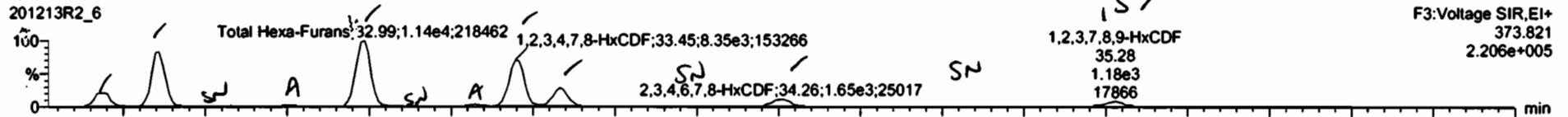


Dataset: Untitled

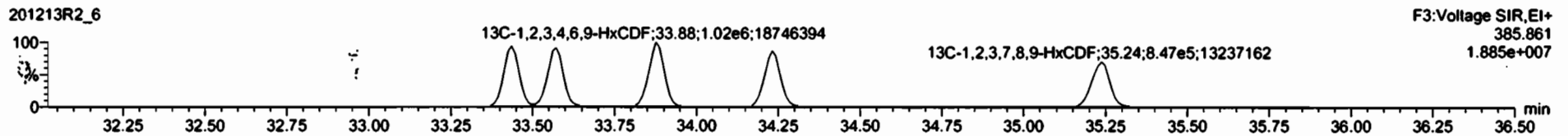
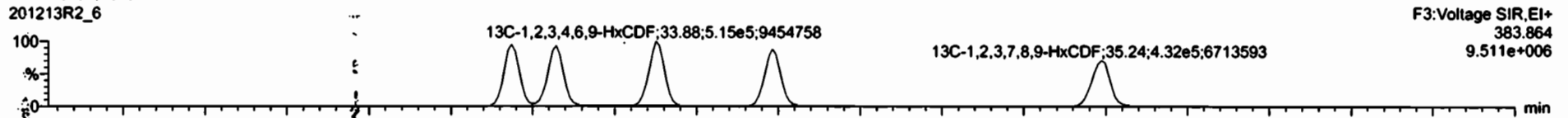
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

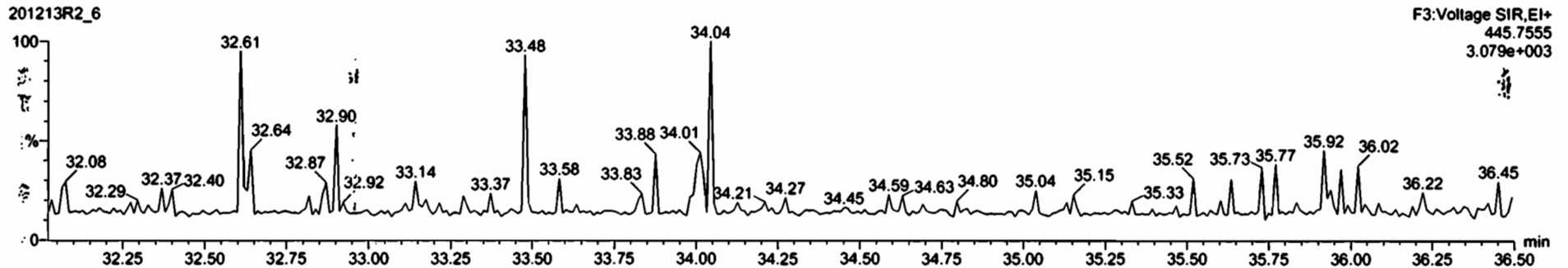
1,2,3,4,7,8-HxCDF

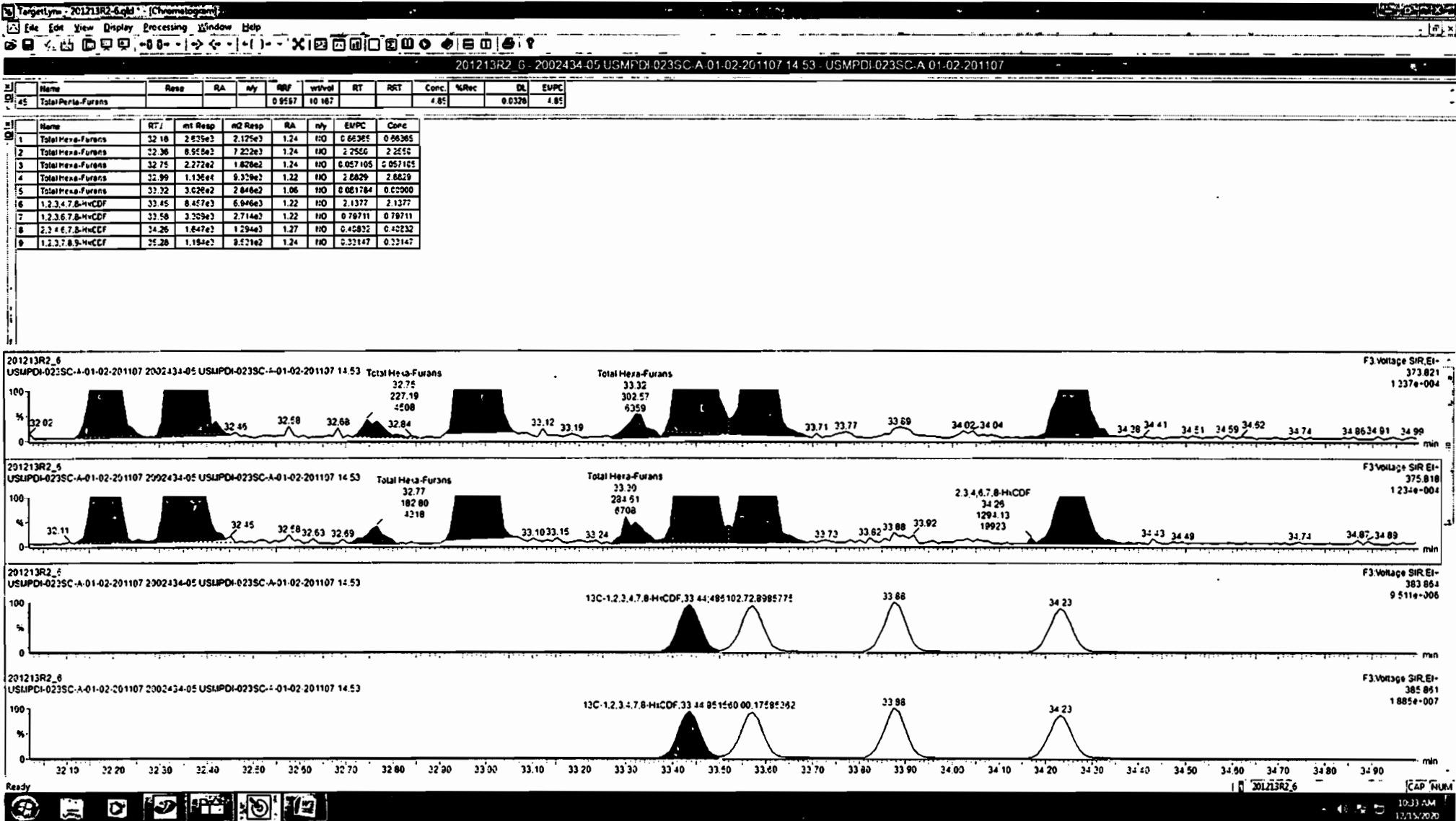


13C-1,2,3,4,7,8-HxCDF



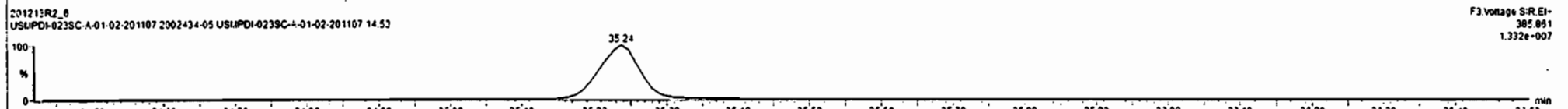
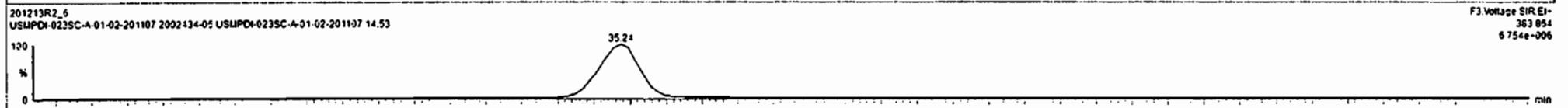
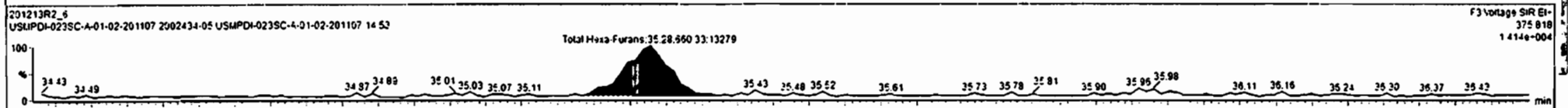
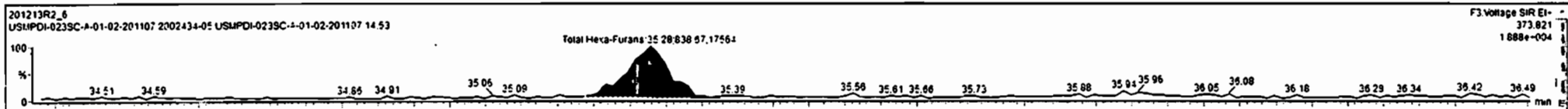
DPE3





Item	Resp	RA	n1	RFI	wt/vol	RT	SRT	Conc.	%Rec	DL	EMPC
5	Total Penta-Furans			0.5567	10.167			4.85	0.0328	4.95	

Item	RT	n1 Resp	n2 Resp	RA	n1	EMPC	Conc.	
1	Total Hexa-Furans	32.18	2.635e3	2.125e3	1.24	110	0.68385	0.06365
2	Total Hexa-Furans	32.36	8.958e3	7.252e3	1.24	110	2.7556	2.2556
3	Total Hexa-Furans	32.75	2.272e2	1.828e2	1.24	110	0.057165	0.057165
4	Total Hexa-Furans	32.99	1.136e4	8.359e3	1.22	110	2.6829	2.6829
5	Total Hexa-Furans	33.32	3.629e2	2.846e2	1.06	110	0.061784	0.02200
6	1,2,3,4,7,8-HxCDF	33.45	8.457e3	6.946e3	1.22	110	2.1377	2.1377
7	1,2,3,6,7,8-HxCDF	33.58	3.263e3	2.714e2	1.22	110	0.78711	0.78711
8	2,3,4,6,7,8-HxCDF	34.26	1.847e2	1.294e2	1.27	110	0.42812	0.42812
9	1,2,3,7,8,9-HxCDF	35.26	3.249e2	2.824e2	1.11	110	0.095741	0.095741
10	Total Hexa-Furans	35.28	8.367e2	6.603e2	1.27	110	0.25879	0.23876



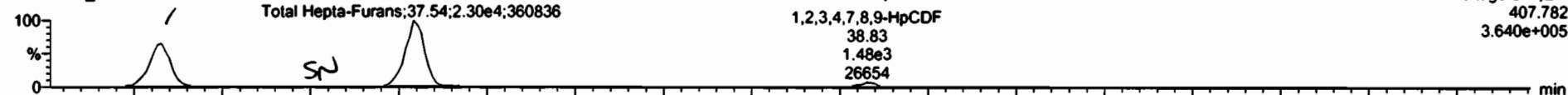
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

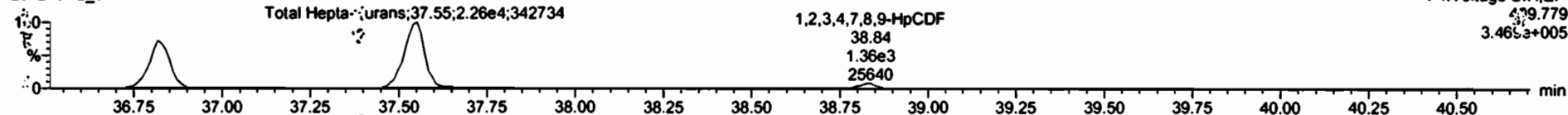
Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107

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

201213R2_6

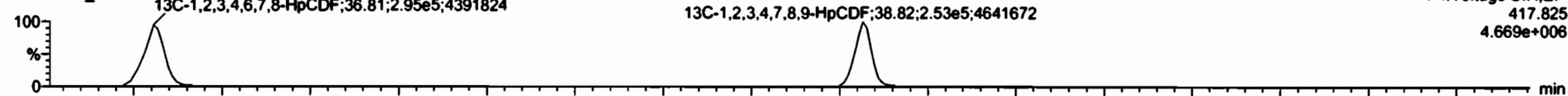


201213R2_6

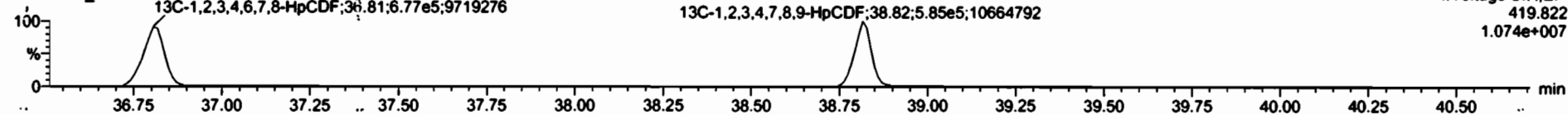


¹³C-1,2,3,4,6,7,8-HpCDF

201213R2_6

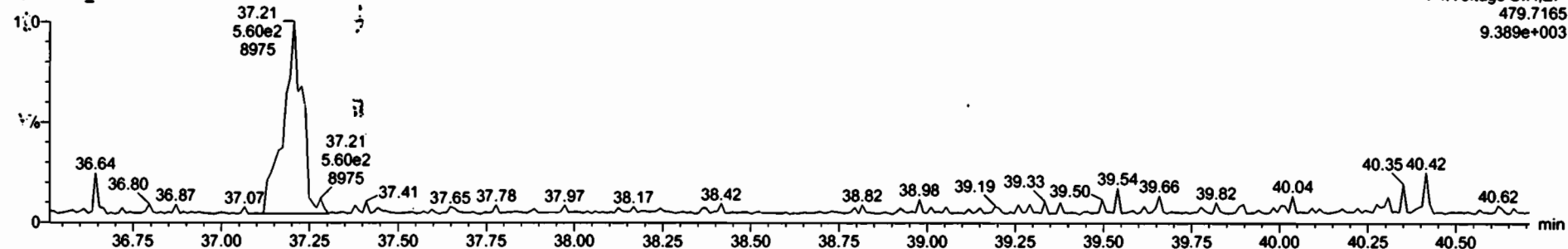


201213R2_6



DPE4

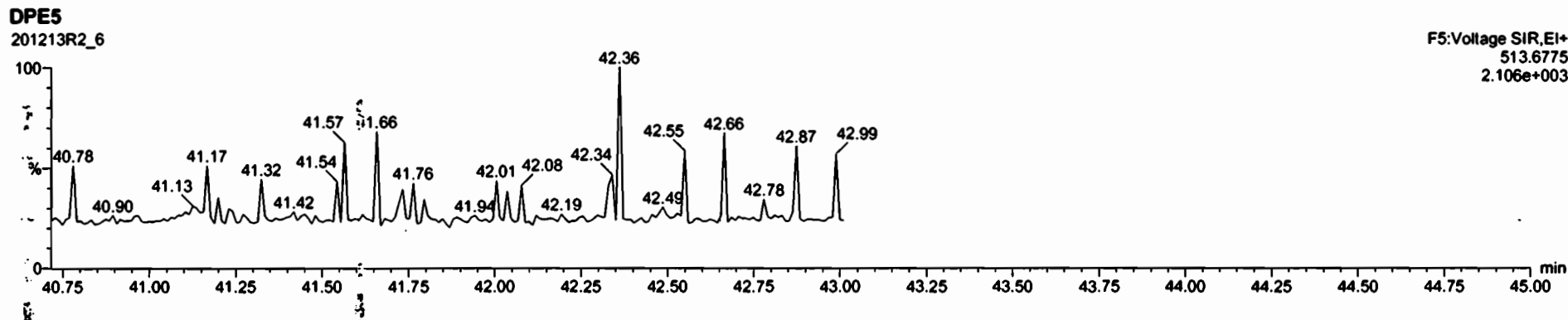
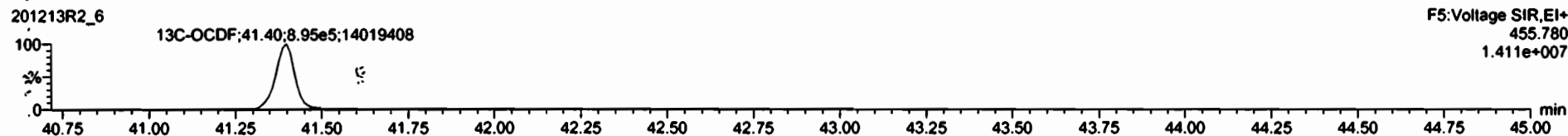
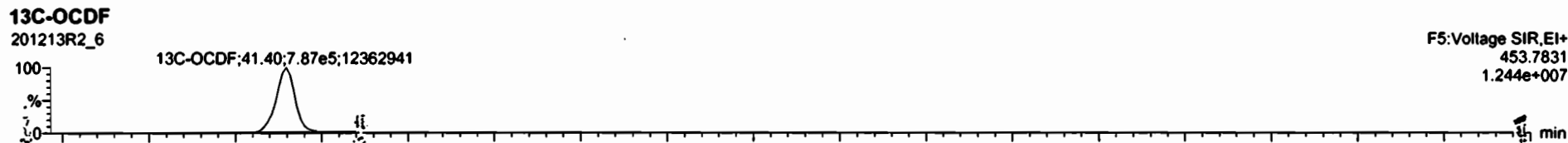
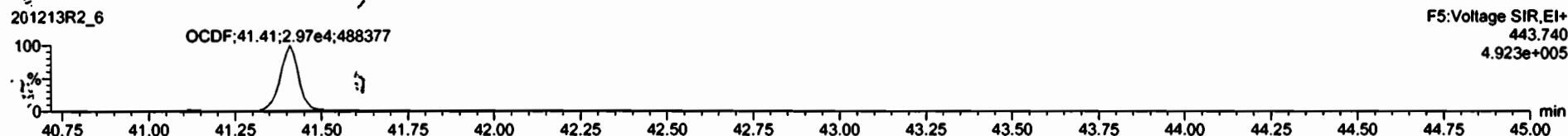
201213R2_6



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

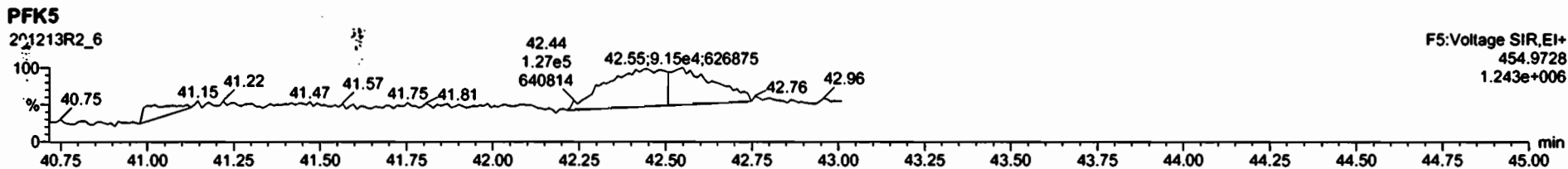
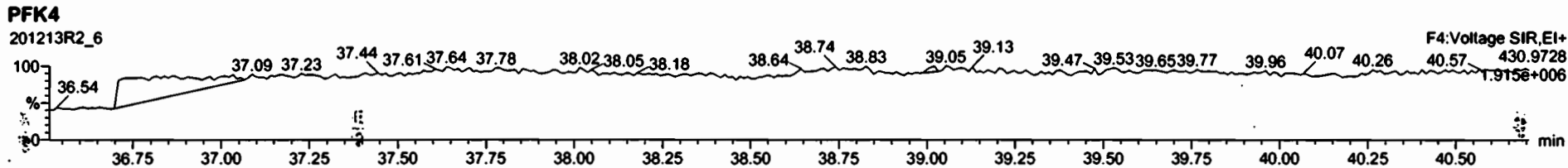
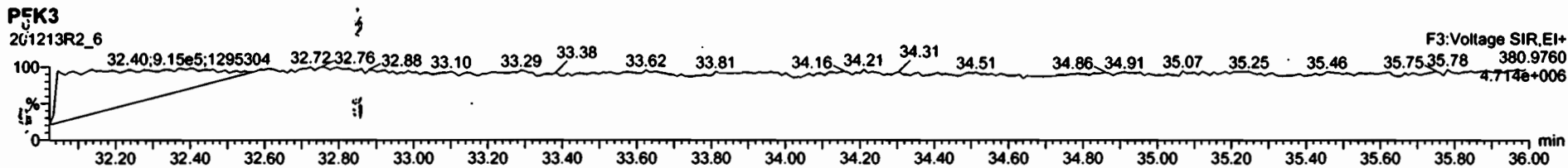
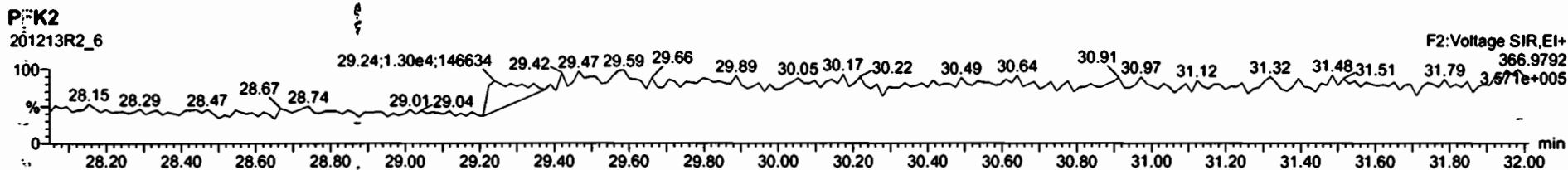
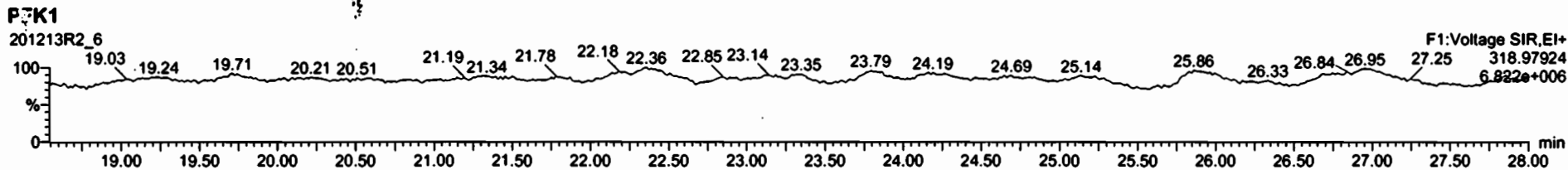
Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_6, Date: 13-Dec-2020, Time: 13:58:39, ID: 2002434-05 USMPDI-023SC-A-01-02-201107 14.53, Description: USMPDI-023SC-A-01-02-201107



Dataset: U:\VG12.PRO\Results\201213R2\201213R2-7.qld

Last Altered: Tuesday, December 15, 2020 11:02:09 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 11:02:30 AM Pacific Standard Time

GRB 12/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

7/11/12/15/20

Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.46e3	0.24	YES	0.980	10.005	26.396	26.38	1.001	1.001	0.12103		0.0230	0.0714
2	1,2,3,7,8-PeCDD	5.04e2	0.54	YES	0.932	10.005	31.079	31.08	1.001	1.001	0.072031		0.0864	0.0686
3	1,2,3,4,7,8-HxCDD	3.03e2	1.30	NO	1.02	10.005	34.379	34.38	1.001	1.001	0.053319		0.0395	0.0533
4	1,2,3,6,7,8-HxCDD	8.88e2	1.10	NO	0.902	10.005	34.504	34.49	1.001	1.000	0.15885		0.0415	0.159
5	1,2,3,7,8,9-HxCDD	9.74e2	1.24	NO	0.954	10.005	34.755	34.77	1.000	1.001	0.16534		0.0397	0.165
6	1,2,3,4,6,7,8-HpCDD	1.89e4	1.00	NO	0.918	10.005	38.222	38.22	1.000	1.000	4.1948		0.121	4.19
7	OCDD	1.19e5	0.88	NO	0.866	10.005	41.124	41.13	1.000	1.000	39.635		0.117	39.6
8	2,3,7,8-TCDF	4.57e3	0.82	NO	0.848	10.005	25.687	25.71	1.000	1.001	0.41565		0.0232	0.416
9	1,2,3,7,8-PeCDF	3.01e3	1.63	NO	0.960	10.005	29.800	29.81	1.000	1.001	0.29329		0.0472	0.293
10	2,3,4,7,8-PeCDF	2.70e3	1.43	NO	1.07	10.005	30.874	30.88	1.001	1.001	0.24656		0.0427	0.247
11	1,2,3,4,7,8-HxCDF	2.96e3	1.09	NO	0.986	10.005	33.457	33.46	1.000	1.000	0.41306		0.0299	0.413
12	1,2,3,6,7,8-HxCDF	1.06e3	1.09	NO	1.04	10.005	33.603	33.58	1.001	1.000	0.14089		0.0301	0.141
13	2,3,4,6,7,8-HxCDF	4.80e2	1.16	NO	1.02	10.005	34.264	34.27	1.001	1.001	0.067114		0.0338	0.0671
14	1,2,3,7,8,9-HxCDF	2.35e2	0.93	YES	0.991	10.005	35.259	35.26	1.000	1.000	0.036546		0.0398	0.0318
15	1,2,3,4,6,7,8-HpCDF	3.09e3	1.02	NO	1.05	10.005	36.835	36.83	1.000	1.000	0.61542		0.0308	0.615
16	1,2,3,4,7,8,9-HpCDF	4.76e2	0.96	NO	1.18	10.005	38.839	38.84	1.000	1.000	0.10038		0.0247	0.100
17	OCDF	4.29e3	0.86	NO	0.896	10.005	41.417	41.43	1.000	1.001	1.2356		0.0448	1.24
18	13C-2,3,7,8-TCDD	1.85e6	0.78	NO	1.06	10.005	26.383	26.36	1.030	1.029	187.81	94.0	0.0568	
19	13C-1,2,3,7,8-PeCDD	1.42e6	0.63	NO	0.785	10.005	31.229	31.05	1.219	1.212	194.12	97.1	0.111	
20	13C-1,2,3,4,7,8-HxCDD	1.11e6	1.28	NO	0.621	10.005	34.348	34.36	1.014	1.014	214.70	107	0.271	
21	13C-1,2,3,6,7,8-HxCDD	1.24e6	1.26	NO	0.734	10.005	34.470	34.48	1.017	1.018	202.08	101	0.229	
22	13C-1,2,3,7,8,9-HxCDD	1.23e6	1.25	NO	0.723	10.005	34.755	34.74	1.026	1.025	204.55	102	0.233	
23	13C-1,2,3,4,6,7,8-HpCDD	9.79e5	1.06	NO	0.568	10.005	38.255	38.21	1.129	1.128	206.55	103	0.500	
24	13C-OCDD	1.39e6	0.91	NO	0.496	10.005	41.193	41.12	1.216	1.213	336.10	84.1	0.372	
25	13C-2,3,7,8-TCDF	2.59e6	0.77	NO	0.919	10.005	25.682	25.68	1.003	1.003	189.84	95.0	0.0952	
26	13C-1,2,3,7,8-PeCDF	2.14e6	1.57	NO	0.715	10.005	29.938	29.80	1.169	1.163	201.40	101	0.155	
27	13C-2,3,4,7,8-PeCDF	2.05e6	1.60	NO	0.689	10.005	31.027	30.85	1.212	1.205	200.21	100	0.161	
28	13C-1,2,3,4,7,8-HxCDF	1.45e6	0.51	NO	0.873	10.005	33.453	33.45	0.987	0.987	199.26	99.7	0.275	
29	13C-1,2,3,6,7,8-HxCDF	1.44e6	0.51	NO	0.933	10.005	33.582	33.58	0.991	0.991	185.24	92.7	0.257	
30	13C-2,3,4,6,7,8-HxCDF	1.40e6	0.51	NO	0.843	10.005	34.250	34.24	1.011	1.011	199.06	99.6	0.285	
31	13C-1,2,3,7,8,9-HxCDF	1.30e6	0.51	NO	0.780	10.005	35.249	35.25	1.040	1.040	199.59	99.8	0.308	

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-7.qld

Last Altered: Tuesday, December 15, 2020 11:02:09 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 11:02:30 AM Pacific Standard Time

Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

#	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	9.56e5	0.43	NO	0.726	10.005	36.825	36.82	1.087	1.086	157.70	78.9	0.332	
33	13C-1,2,3,4,7,8,9-HpCDF	8.07e5	0.44	NO	0.491	10.005	38.835	38.83	1.146	1.146	196.82	98.5	0.491	
34	13C-OCDF	1.55e6	0.88	NO	0.565	10.005	41.410	41.41	1.222	1.222	328.38	82.1	0.389	
35	37Cl-2,3,7,8-TCDD	8.58e5			1.22	10.005	26.378	26.39	1.030	1.031	75.524	94.5	0.0209	
36	13C-1,2,3,4-TCDD	1.87e6	0.79	NO	1.00	10.005	25.640	25.61	1.000	1.000	199.90	100	0.0600	
37	13C-1,2,3,4-TCDF	2.97e6	0.79	NO	1.00	10.005	24.130	24.12	1.000	1.000	199.90	100	0.0875	
38	13C-1,2,3,4,6,9-HxCDF	1.67e6	0.51	NO	1.00	10.005	33.920	33.89	1.000	1.000	199.90	100	0.240	
39	Total Tetra-Dioxins				0.980	10.005	24.620		0.000		0.21078		0.0230	0.311
40	Total Penta-Dioxins				0.932	10.005	29.960		0.000		0.32635		0.0364	0.725
41	Total Hexa-Dioxins				0.902	10.005	33.635		0.000		2.9451		0.0427	2.95
42	Total Hepta-Dioxins				0.918	10.005	37.640		0.000		9.2456		0.121	9.25
43	Total Tetra-Furans				0.848	10.005	23.610		0.000		1.3516		0.0232	1.55
44	1st Func. Penta-Furans				0.960	10.005	26.930		0.000		0.24704		0.0103	0.247
45	Total Penta-Furans				0.960	10.005	29.275		0.000		1.1377		0.0474	1.25
46	Total Hexa-Furans				1.02	10.005	33.555		0.000		1.3427		0.0327	1.37
47	Total Hepta-Furans				1.05	10.005	37.835		0.000		1.5532		0.0293	1.55

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-7.qld

Last Altered: Tuesday, December 15, 2020 11:02:09 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 11:02:30 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.61	2.973e3	2.745e3	2.037e2	2.446e2	0.83	NO	4.484e2	0.049366	0.049366	0.0230
Total Tetra-Dioxins	24.29	6.277e3	8.280e3	4.593e2	6.264e2	0.73	NO	1.086e3	0.11954	0.11954	0.0230
2,3,7,8-TCDD	26.38	4.099e3	2.063e4	2.822e2	1.180e3	0.24	YES	1.463e3	0.00000	0.071434	0.0230
Total Tetra-Dioxins	26.70	3.329e3	4.164e3	1.693e2	2.110e2	0.80	NO	3.803e2	0.041874	0.041874	0.0230
Total Tetra-Dioxins	27.30	2.866e3	2.411e3	1.324e2	1.476e2	0.90	YES	0.000e0	0.00000	0.028769	0.0230

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	28.79	5.583e3	9.311e3	4.440e2	6.761e2	0.66	NO	1.120e3	0.16885	0.16885	0.0364
Total Penta-Dioxins	29.28	4.578e3	6.874e3	2.645e2	3.781e2	0.70	NO	6.426e2	0.096870	0.096870	0.0364
Total Penta-Dioxins	29.59	2.627e3	9.541e3	1.538e2	5.896e2	0.26	YES	0.000e0	0.00000	0.060002	0.0364
Total Penta-Dioxins	29.80	1.367e4	6.314e3	6.722e2	3.483e2	1.93	YES	0.000e0	0.00000	0.085585	0.0364
Total Penta-Dioxins	29.99	4.609e3	5.821e3	1.608e2	2.414e2	0.67	NO	4.022e2	0.060633	0.060633	0.0364
Total Penta-Dioxins	30.02	2.675e3	4.718e3	1.109e2	2.235e2	0.50	YES	0.000e0	0.00000	0.043272	0.0364
Total Penta-Dioxins	30.28	5.511e3	1.057e4	3.619e2	7.193e2	0.50	YES	0.000e0	0.00000	0.14117	0.0364
1,2,3,7,8-PeCDD	31.08	3.406e3	6.062e3	1.758e2	3.285e2	0.54	YES	5.043e2	0.00000	0.068585	0.0364

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	32.72	7.986e4	7.316e4	4.039e3	3.492e3	1.16	NO	7.531e3	1.3965	1.3965	0.0427
Total Hexa-Dioxins	33.31	7.405e3	9.377e3	4.113e2	3.852e2	1.07	NO	7.966e2	0.14772	0.14772	0.0427
Total Hexa-Dioxins	33.59	3.806e4	2.911e4	2.819e3	2.109e3	1.34	NO	4.928e3	0.91384	0.91384	0.0427
Total Hexa-Dioxins	33.72	2.672e3	3.055e3	1.334e2	1.077e2	1.24	NO	2.411e2	0.044713	0.044713	0.0427
1,2,3,4,7,8-HxCDD	34.38	3.792e3	3.054e3	1.709e2	1.316e2	1.30	NO	3.026e2	0.053319	0.053319	0.0395
1,2,3,6,7,8-HxCDD	34.49	8.975e3	8.329e3	4.650e2	4.227e2	1.10	NO	8.877e2	0.15885	0.15885	0.0415
Total Hexa-Dioxins	34.66	3.265e3	3.756e3	1.879e2	1.612e2	1.17	NO	3.491e2	0.064744	0.064744	0.0427
1,2,3,7,8,9-HxCDD	34.77	1.188e4	8.371e3	5.385e2	4.350e2	1.24	NO	9.735e2	0.16534	0.16534	0.0397

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-7.qld

Last Altered: Tuesday, December 15, 2020 11:02:09 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 11:02:30 AM Pacific Standard Time

Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.22	1.751e5	1.623e5	1.122e4	1.148e4	0.98	NO	2.270e4	5.0509	5.0509	0.121
2 1,2,3,4,6,7,8-HpCDD	38.22	1.818e5	1.942e5	9.435e3	9.416e3	1.00	NO	1.885e4	4.1948	4.1948	0.121

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Tetra-Furans	21.71	3.410e3	5.736e3	3.352e2	4.783e2	0.70	NO	8.135e2	0.073994	0.073994	0.0232
2 Total Tetra-Furans	22.64	6.933e3	1.161e4	7.213e2	1.047e3	0.69	NO	1.769e3	0.16086	0.16086	0.0232
3 Total Tetra-Furans	23.11	3.803e3	4.190e3	2.755e2	3.409e2	0.81	NO	6.164e2	0.056065	0.056065	0.0232
4 Total Tetra-Furans	23.45	1.971e3	2.494e3	1.425e2	1.719e2	0.83	NO	3.144e2	0.028599	0.028599	0.0232
5 Total Tetra-Furans	24.19	6.823e3	1.023e4	9.257e2	1.256e3	0.74	NO	0.000e0	0.00000	0.19845	0.0232
6 Total Tetra-Furans	24.68	2.753e4	3.243e4	1.835e3	2.359e3	0.78	NO	4.194e3	0.38144	0.38144	0.0232
7 Total Tetra-Furans	25.57	1.006e4	1.277e4	6.508e2	7.927e2	0.82	NO	1.444e3	0.13130	0.13130	0.0232
8 2,3,7,8-TCDF	25.71	3.203e4	3.902e4	2.054e3	2.516e3	0.82	NO	4.570e3	0.41565	0.41565	0.0232
9 Total Tetra-Furans	25.96	3.148e3	6.666e3	3.057e2	4.369e2	0.70	NO	7.426e2	0.067539	0.067539	0.0232
10 Total Tetra-Furans	27.58	2.666e3	4.546e3	1.612e2	2.363e2	0.68	NO	3.976e2	0.036160	0.036160	0.0232

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	27.19	2.407e4	1.671e4	1.509e3	9.743e2	1.55	NO	2.483e3	0.24704	0.24704	0.0103

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-7.qld

Last Altered: Tuesday, December 15, 2020 11:02:09 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 11:02:30 AM Pacific Standard Time

Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	28.65	4.877e3	2.466e3	3.114e2	2.300e2	1.35	NO	5.414e2	0.053863	0.053863	0.0474
2	Total Penta-Furans	28.83	2.587e4	1.847e4	1.861e3	1.238e3	1.50	NO	3.099e3	0.30832	0.30832	0.0474
3	Total Penta-Furans	29.43	7.255e3	5.850e3	5.427e2	3.682e2	1.47	NO	9.109e2	0.090627	0.090627	0.0474
4	Total Penta-Furans	29.60	8.295e3	1.086e4	4.651e2	5.343e2	0.87	YES	0.000e0	0.00000	0.076119	0.0474
5	1,2,3,7,8-PeCDF	29.81	3.409e4	2.078e4	1.866e3	1.147e3	1.63	NO	3.013e3	0.29329	0.29329	0.0472
6	Total Penta-Furans	30.05	1.965e4	1.156e4	8.614e2	5.967e2	1.44	NO	1.458e3	0.14507	0.14507	0.0474
7	Total Penta-Furans	30.69	4.467e3	4.441e3	1.941e2	1.688e2	1.15	YES	0.000e0	0.00000	0.031771	0.0474
8	2,3,4,7,8-PeCDF	30.88	3.047e4	2.072e4	1.587e3	1.109e3	1.43	NO	2.696e3	0.24656	0.24656	0.0427

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.19	7.807e3	6.317e3	3.577e2	2.738e2	1.31	NO	6.315e2	0.088469	0.088469	0.0327
2	Total Hexa-Furans	32.37	2.202e4	1.602e4	1.036e3	8.125e2	1.28	NO	1.849e3	0.25897	0.25897	0.0327
3	Total Hexa-Furans	33.00	2.143e4	1.539e4	9.991e2	8.179e2	1.22	NO	1.817e3	0.25455	0.25455	0.0327
4	Total Hexa-Furans	33.32	3.074e3	2.539e3	1.605e2	1.278e2	1.26	NO	2.883e2	0.040392	0.040392	0.0327
5	1,2,3,4,7,8-HxCDF	33.46	2.828e4	3.062e4	1.540e3	1.419e3	1.09	NO	2.959e3	0.41306	0.41306	0.0299
6	1,2,3,6,7,8-HxCDF	33.58	1.111e4	1.099e4	5.501e2	5.064e2	1.09	NO	1.056e3	0.14089	0.14089	0.0301
7	2,3,4,6,7,8-HxCDF	34.27	5.142e3	3.652e3	2.574e2	2.223e2	1.16	NO	4.797e2	0.067114	0.067114	0.0338
8	1,2,3,7,8,9-HxCDF	35.26	4.540e3	4.859e3	1.134e2	1.219e2	0.93	YES	2.353e2	0.00000	0.031822	0.0393
9	Total Hexa-Furans	35.30	7.127e3	5.643e3	2.953e2	2.702e2	1.09	NO	5.655e2	0.079226	0.079226	0.0327

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.83	2.222e4	2.460e4	1.558e3	1.530e3	1.02	NO	3.088e3	0.61542	0.61542	0.0308
2	Total Hepta-Furans	37.55	3.079e4	3.445e4	1.936e3	1.938e3	1.00	NO	3.873e3	0.83734	0.83734	0.0293
3	1,2,3,4,7,8,9-HpCDF	38.84	4.475e3	5.999e3	2.331e2	2.432e2	0.96	NO	4.763e2	0.10038	0.10038	0.0247

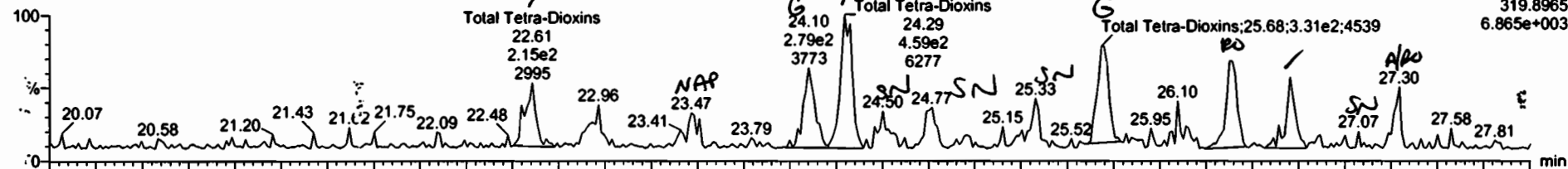
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

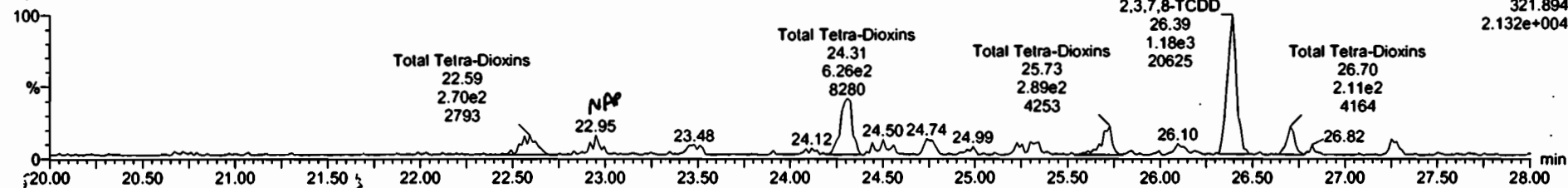
Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

2,3,7,8-TCDD

201213R2_7



201213R2_7

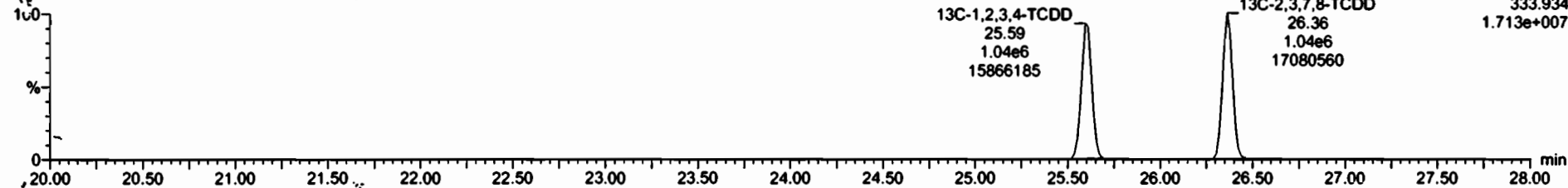


13C-2,3,7,8-TCDD

201213R2_7

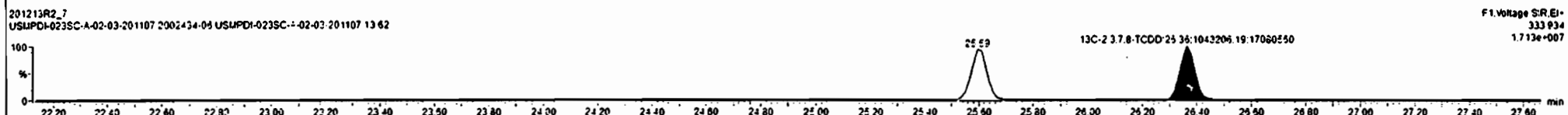
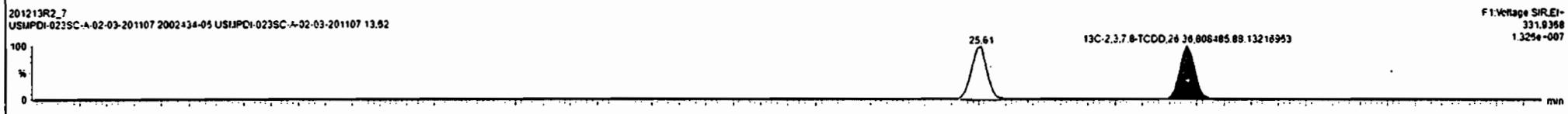
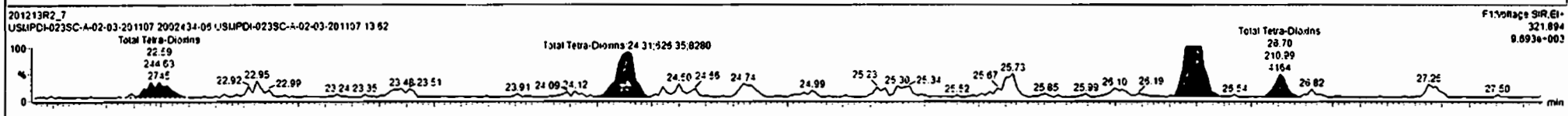
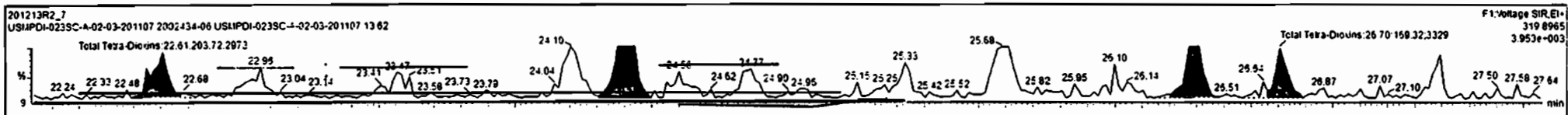


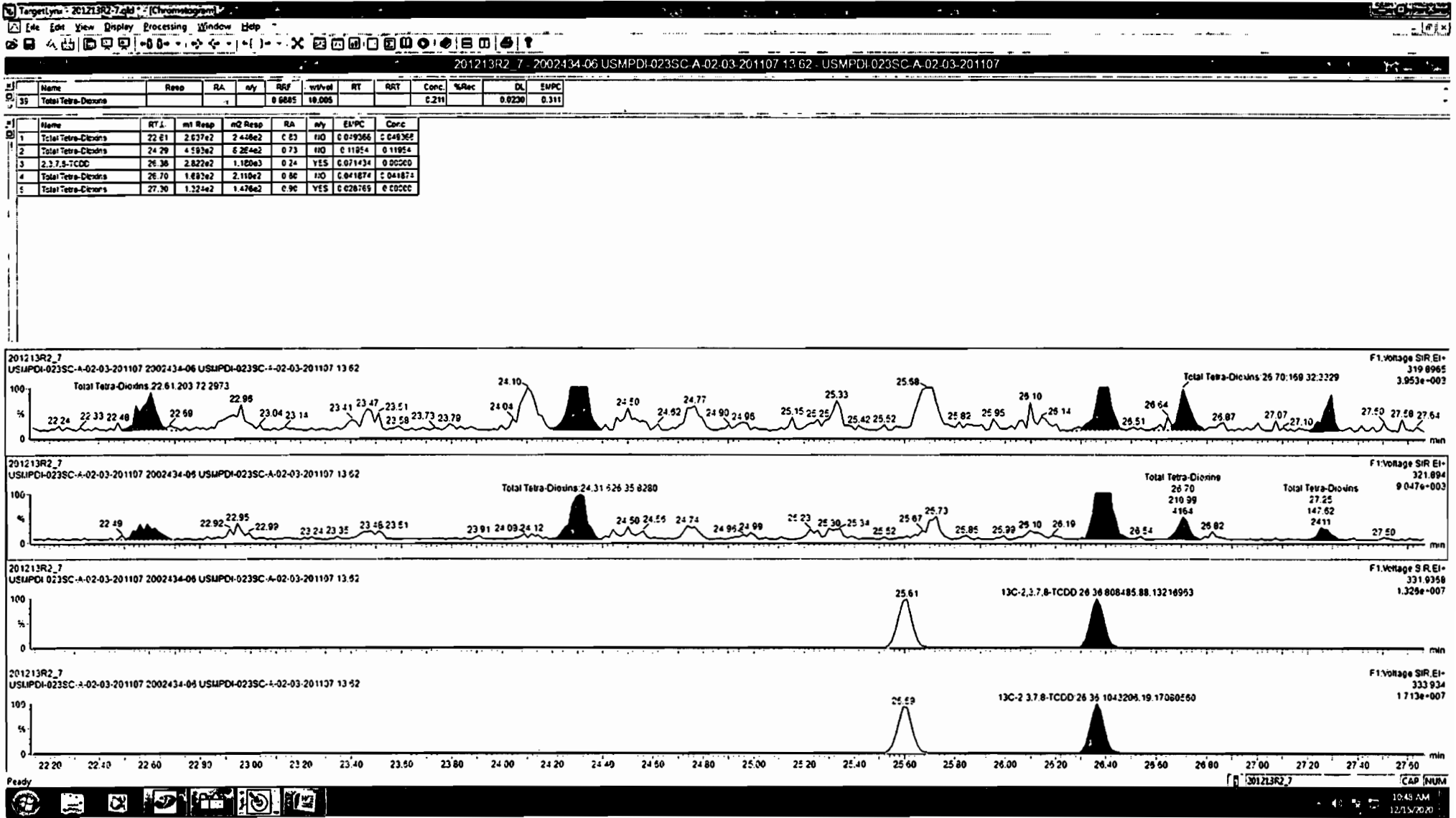
201213R2_7



Name	Resp	RA	n/y	RFI	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
Total Tetra-Chlorins			3	0.8895	18.005			6.211		0.3230	0.282

Name	RT	wt Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Tetra-Chlorins	22.81	2.637e2	2.446e2	0.83	NO	0.049048	0.049368
2 Total Tetra-Chlorins	24.29	4.597e2	6.254e2	0.73	NO	0.11954	0.11954
3 2,3,7,8-TCDD	26.36	2.827e2	1.120e3	0.24	YES	0.071434	0.03000
4 Total Tetra-Chlorins	26.70	1.892e2	2.110e2	0.88	NO	0.041874	0.041874





Dataset: Untitled

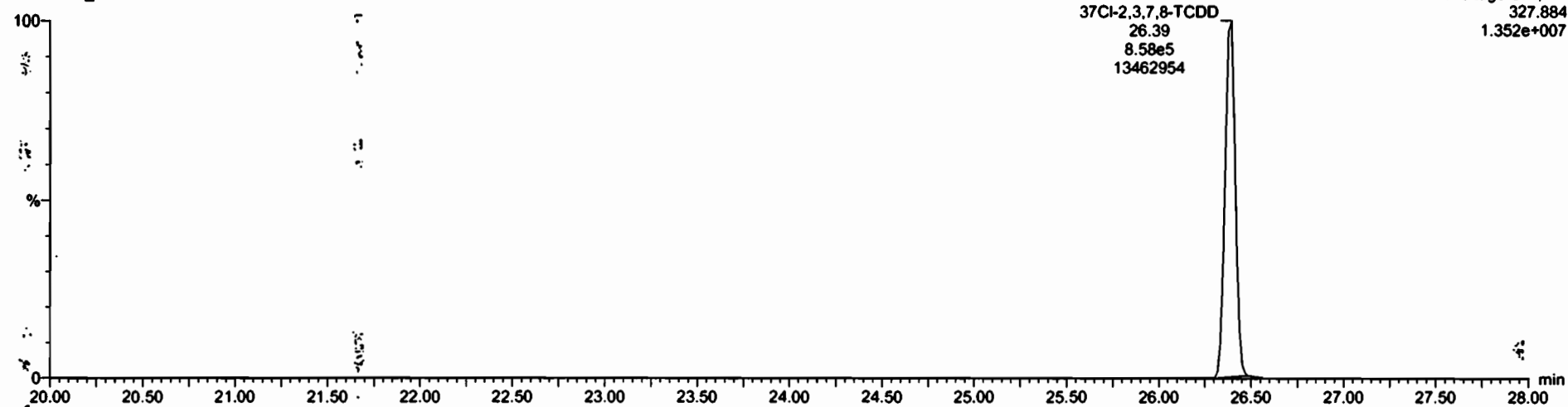
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

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

201213R2_7

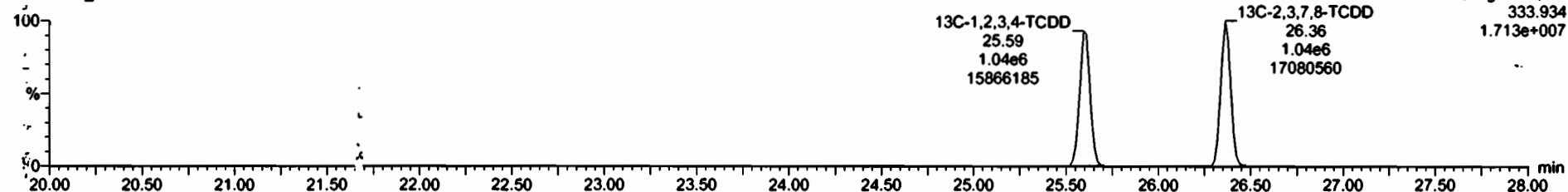


13C-1,2,3,4-TCDD

201213R2_7



201213R2_7



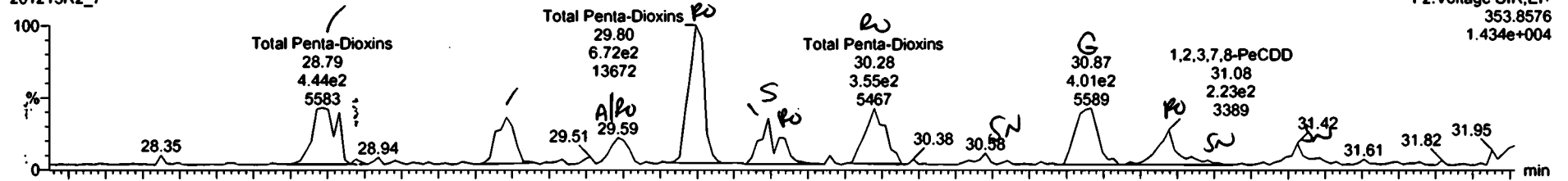
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

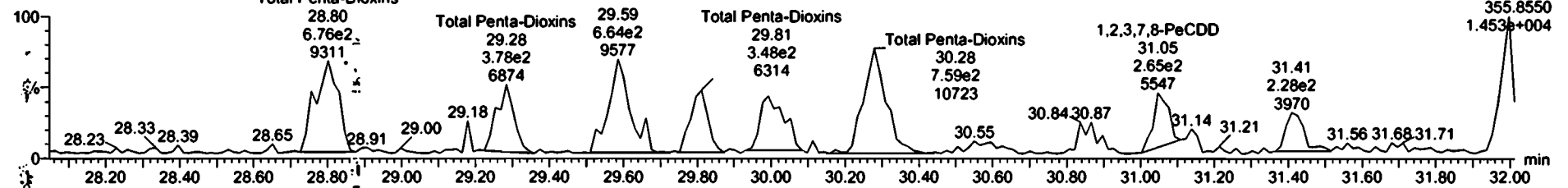
Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

1,2,3,7,8-PeCDD

201213R2_7



201213R2_7

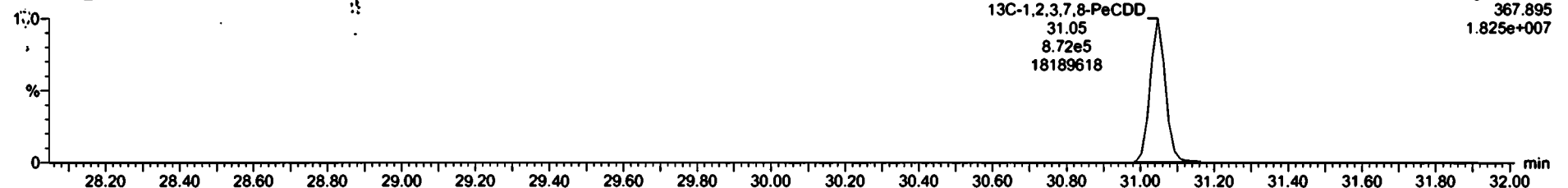


13C-1,2,3,7,8-PeCDD

201213R2_7

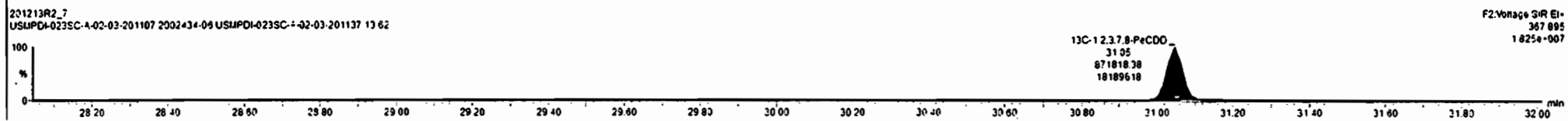
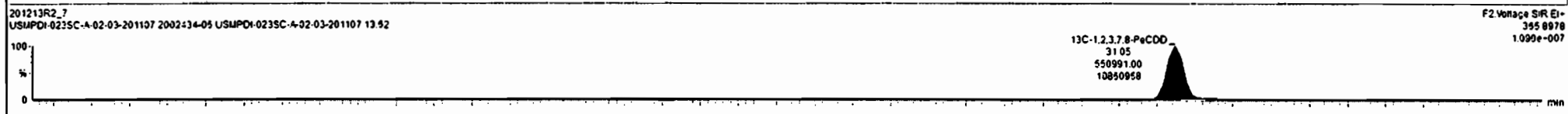
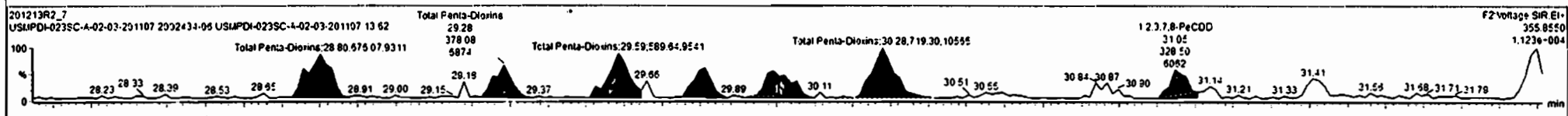
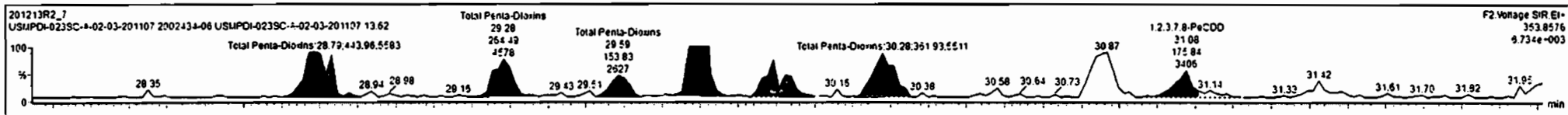


201213R2_7



Name	Reso	RA	n/y	RFI	wrtVal	RT	QRT	Conc.	%Rec	DL	EWPC
39 Total Penta-Dioxins				0.885	10.005			0.211		0.02%	0.311

Name	RT1	m1 Resp	n1 Resp	RA	n/y	EWPC	Conc
1 Total Penta-Dioxins	28.79	4.445e2	5.751e2	0.86	NO	0.15885	0.16285
2 Total Penta-Dioxins	29.28	2.645e2	3.721e2	0.70	NO	0.096870	0.096870
3 Total Penta-Dioxins	29.59	1.538e2	5.896e2	0.26	YES	0.060602	0.060602
4 Total Penta-Dioxins	29.80	6.722e2	3.487e2	1.53	YES	0.065585	0.065585
5 Total Penta-Dioxins	29.99	1.603e2	2.414e2	0.67	NO	0.090633	0.090633
6 Total Penta-Dioxins	30.02	1.105e2	2.235e2	0.50	YES	0.043272	0.043272
7 Total Penta-Dioxins	30.28	3.619e2	7.193e2	0.50	YES	0.14117	0.060602
8 1,2,3,7,8-PeCDD	31.36	1.758e2	3.275e2	0.54	YES	0.066585	0.060602



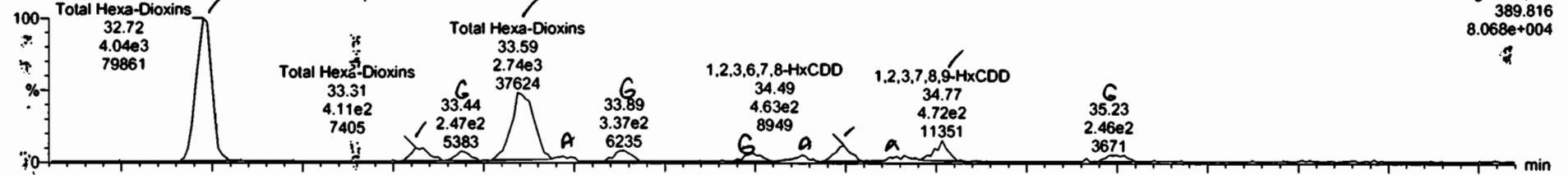
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

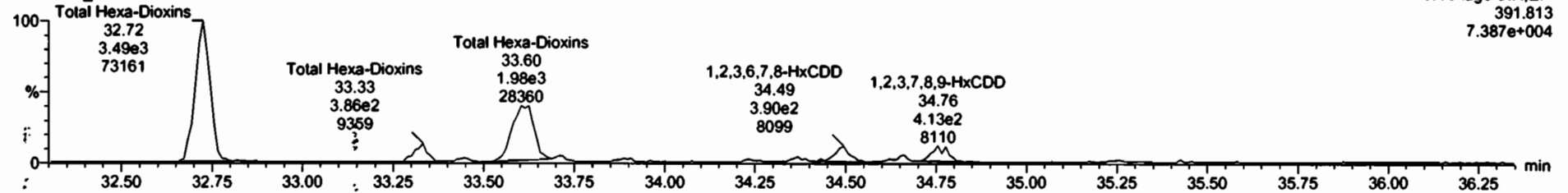
Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62; Description: USMPDI-023SC-A-02-03-201107

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

201213R2_7

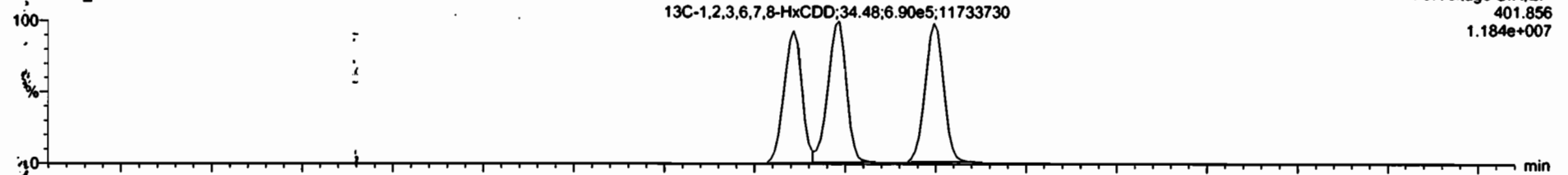


201213R2_7

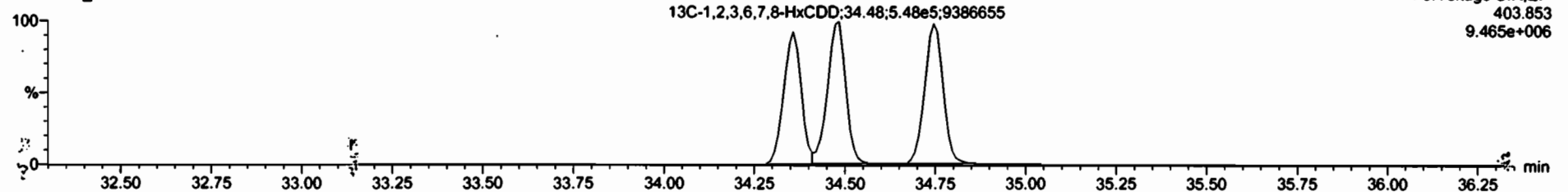


13C-1,2,3,4,7,8-HxCDD

201213R2_7

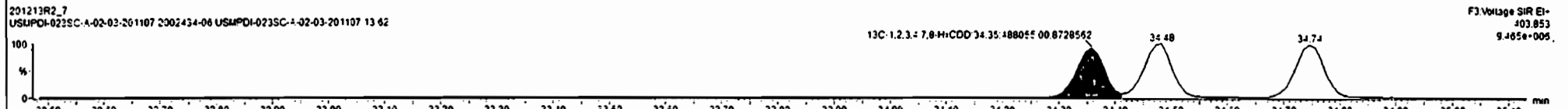
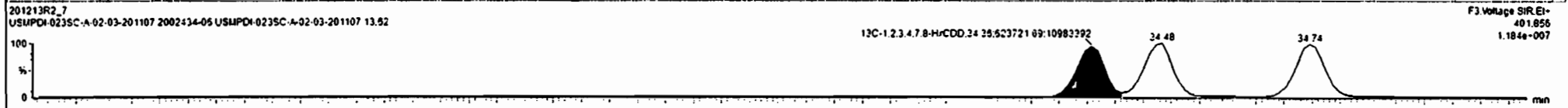
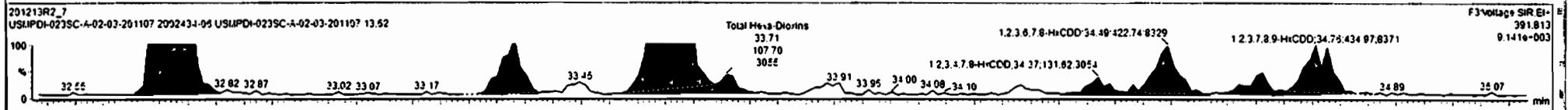
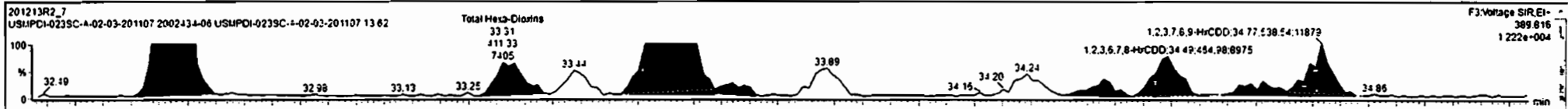


201213R2_7



Name	Resp	RA	n1	RF	wtVol	RT	RRT	Conc.	%Rec	DL	EUPC
#1 Total Hexa-Chloro				0.6625	18.005			2.95		0.0427	2.95

Name	RT	nt Resp	m2 Resp	RA	n1	EUPC	Conc
1 Total Hexa-Chloro	32.72	4.635e2	3.492e2	1.16	NO	1.39E5	1.39E5
2 Total Hexa-Chloro	33.31	4.112e2	3.852e2	1.07	NO	0.14772	0.14772
3 Total Hexa-Chloro	33.59	2.815e2	2.109e2	1.34	NO	0.9132e	0.9132e
4 Total Hexa-Chloro	33.72	1.254e2	1.677e2	1.24	NO	0.044713	0.044713
5 1,2,3,4,7,8-HxCDD	34.36	1.759e2	1.316e2	1.35	NO	0.053215	0.053215
6 1,2,3,6,7,8-HxCDD	34.49	4.650e2	4.227e2	1.10	NO	0.15885	0.15885
7 Total Hexa-Chloro	34.66	1.879e2	1.612e2	1.17	NO	0.064744	0.064744
8 1,2,3,7,8,9-HxCDD	34.77	5.785e2	4.350e2	1.24	NO	0.16534	0.16534



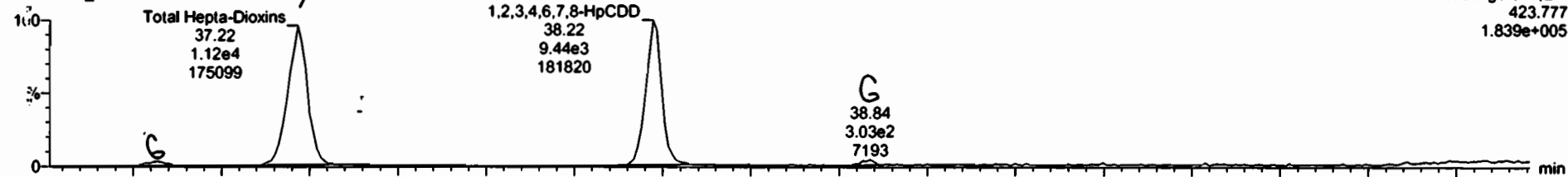
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

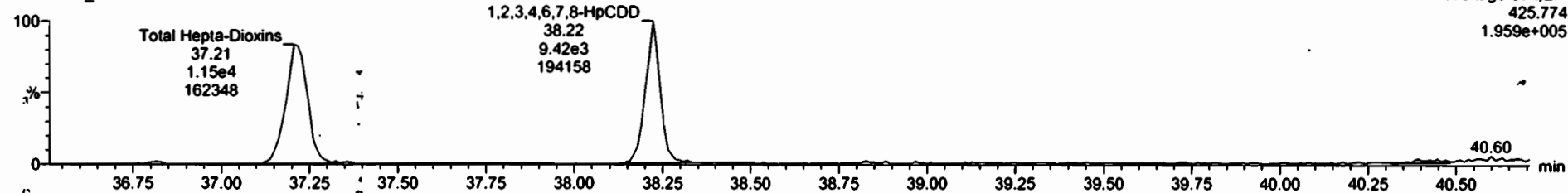
Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

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

201213R2_7



201213R2_7

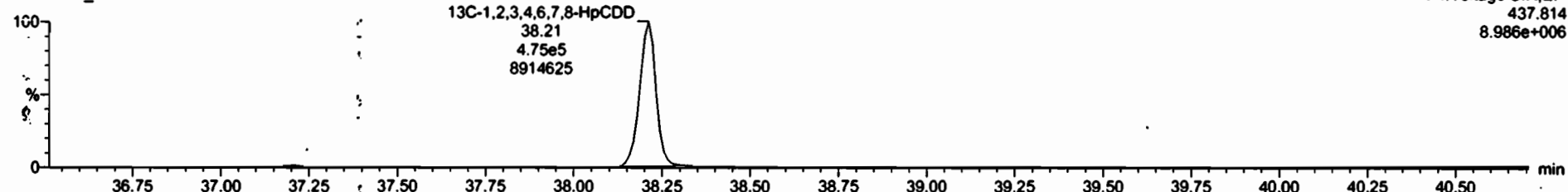


13C-1,2,3,4,6,7,8-HpCDD

201213R2_7



201213R2_7



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

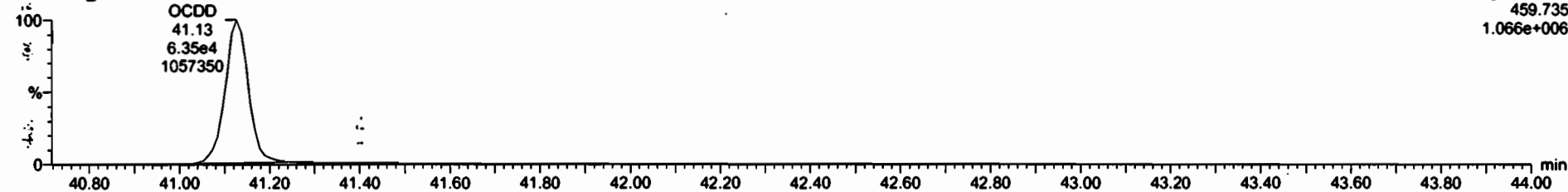
Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

OCDD

201213R2_7



201213R2_7

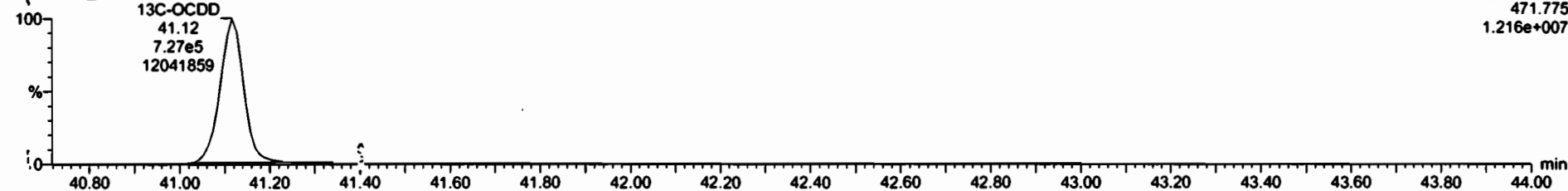


13C-OCDD

201213R2_7



201213R2_7



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

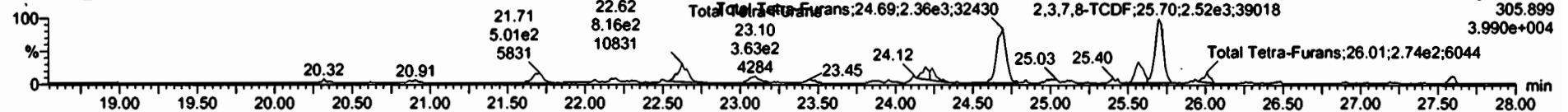
Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

2,3,7,8-TCDF

201213R2_7

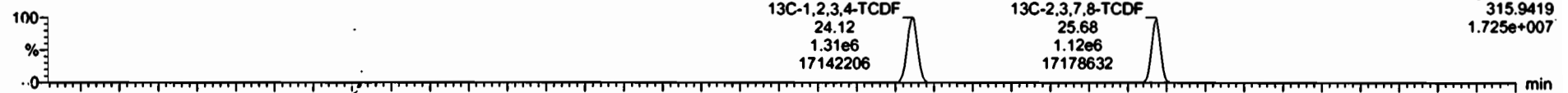


201213R2_7

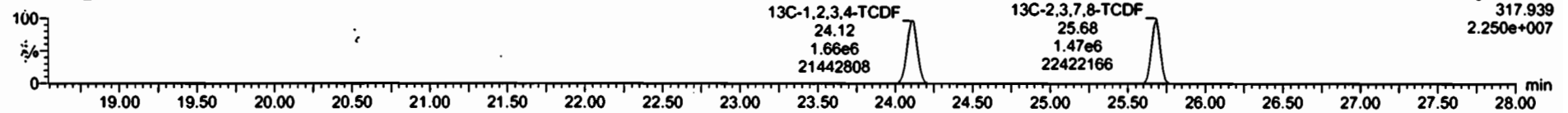


13C-2,3,7,8-TCDF

201213R2_7

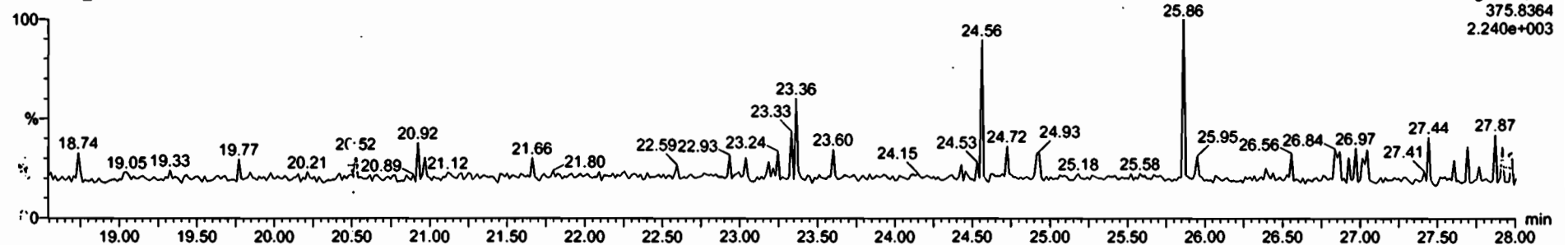


201213R2_7



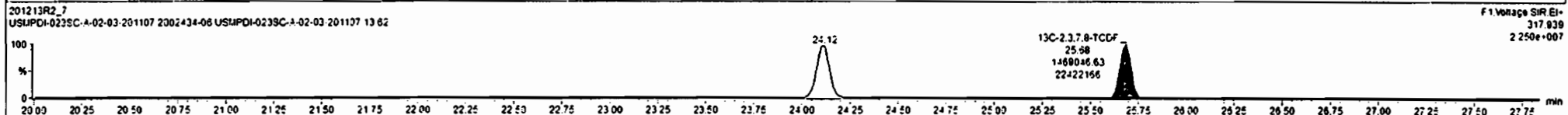
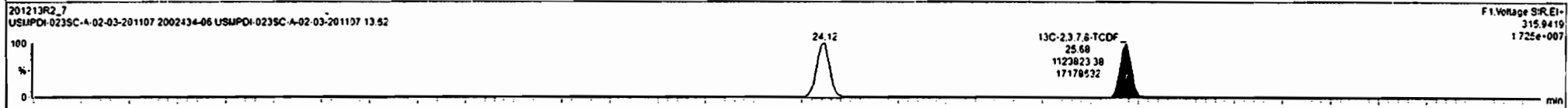
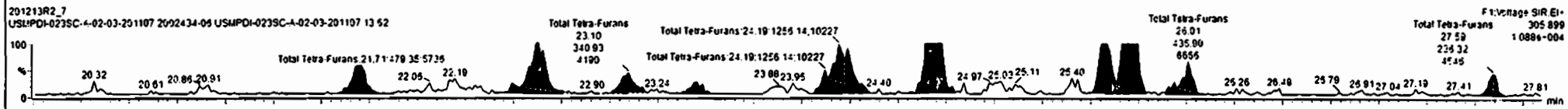
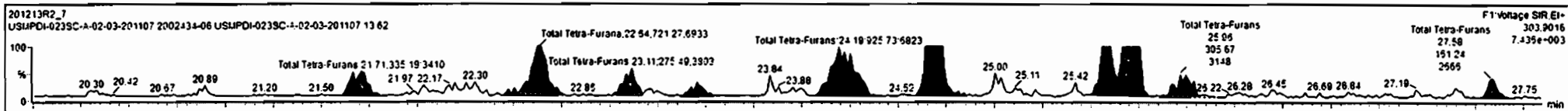
D1E1

201213R2_7



#	Name	Resp	RA	n/y	RF	wt%ol	RT	RRT	Conc	%Rec	DL	EMPC
#3	Total Tetra-Furans				0.8483	10.005			1.35		0.0232	1.55

#	Name	RT	wt Resp	n2 Resp	RA	n/y	EMPC	Conc
1	Total Tetra-Furans	21.71	3.352e2	4.783e2	0.70	NO	0.073994	5.073994
2	Total Tetra-Furans	22.84	7.213e2	1.047e3	0.89	NO	0.16026	0.16026
3	Total Tetra-Furans	23.11	2.755e2	3.409e2	0.81	NO	0.058065	0.058065
4	Total Tetra-Furans	23.45	1.425e2	1.719e2	0.83	NO	0.028599	0.028599
5	Total Tetra-Furans	24.19	9.257e2	1.256e3	0.74	NO	0.19845	0.00500
6	Total Tetra-Furans	24.68	1.835e2	2.359e2	0.78	NO	0.38144	0.38144
7	Total Tetra-Furans	25.57	6.508e2	7.927e2	0.82	NO	0.13130	0.13130
8	2,3,7,8-TCDF	25.71	2.654e2	2.816e2	0.92	NO	0.41561	0.41561
9	Total Tetra-Furans	25.96	3.657e2	4.369e2	0.75	NO	0.067538	0.067538
10	Total Tetra-Furans	27.58	1.812e2	2.393e2	0.68	NO	0.036160	0.036160



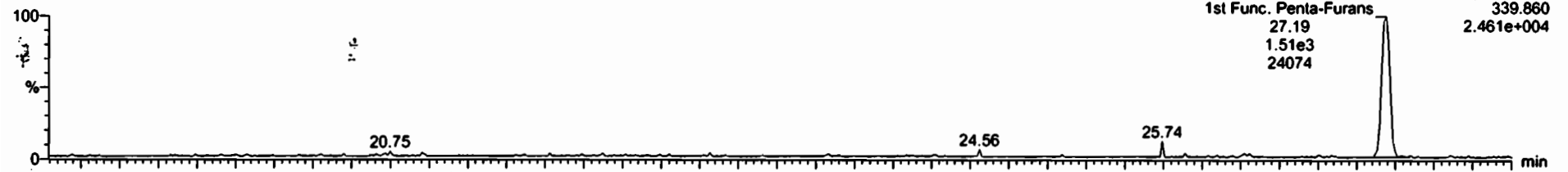
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

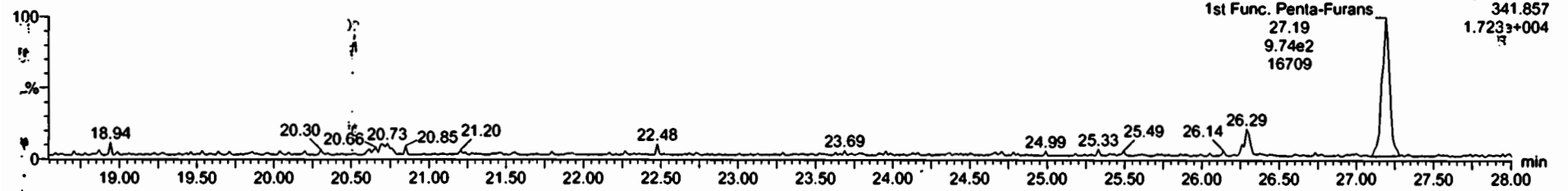
Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

1st Func. Penta-Furans

201213R2_7

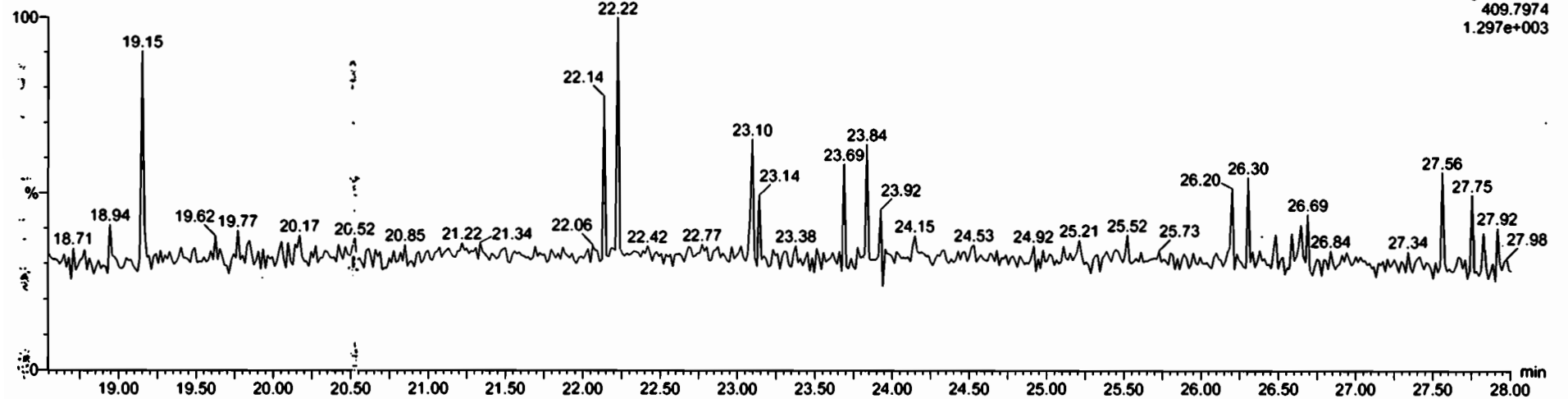


201213R2_7



DPE6

201213R2_7

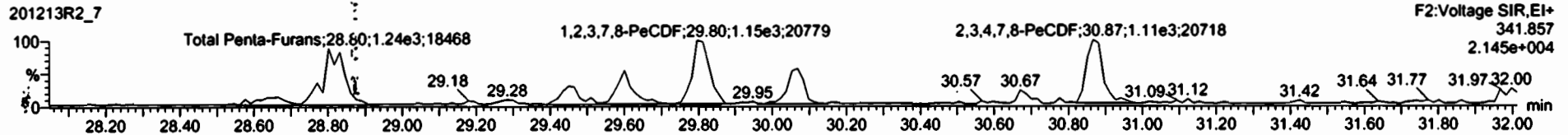
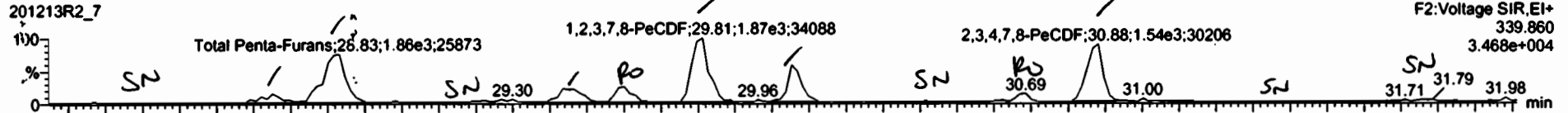


Dataset: Untitled

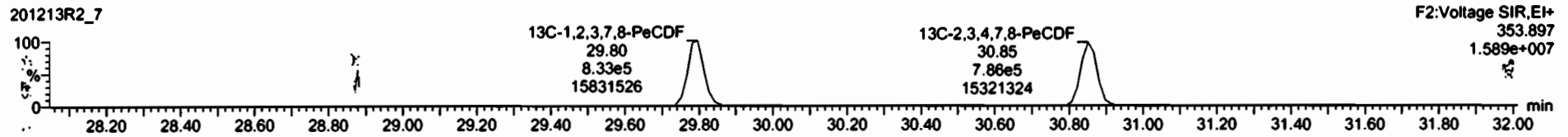
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

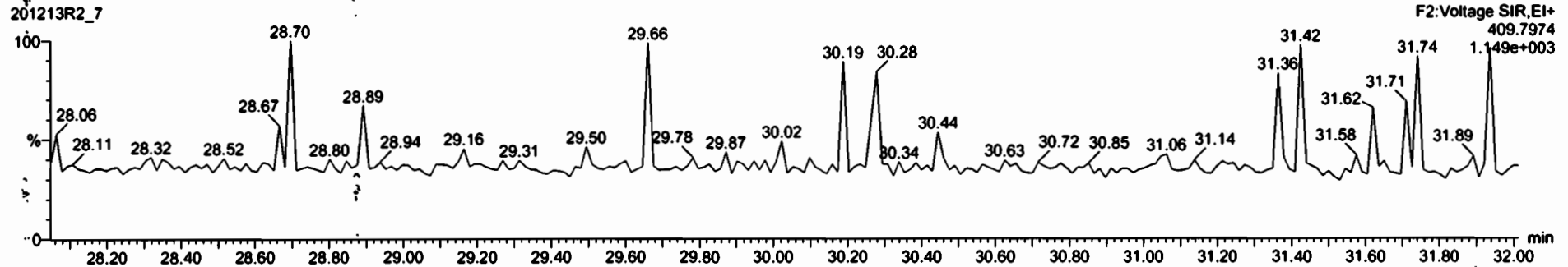
1,2,3,7,8-PeCDF



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

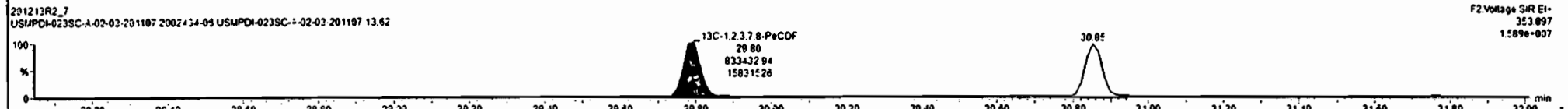
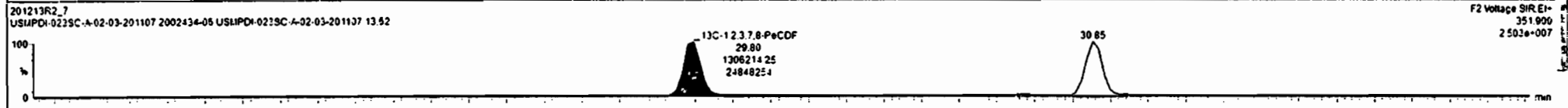
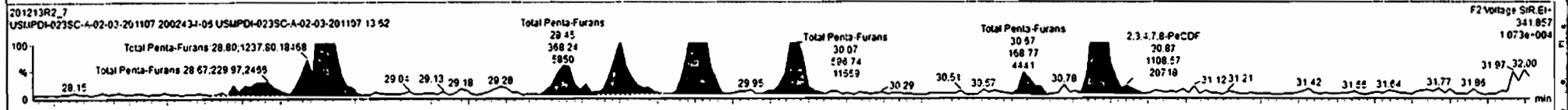
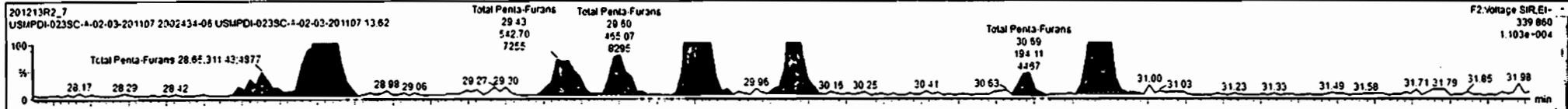


DPE2



#	Name	Resp	RA	nY	RRF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans				0.0597	10.005			1.14	0.0474	1.25	

#	Name	RT ₁	int Resp	nQ Resp	RA	nY	EMPC	Conc
1	Total Penta-Furans	28.25	3.114e2	2.300e2	1.35	NO	0.053863	0.053863
2	Total Penta-Furans	28.83	1.861e2	1.238e2	1.56	NO	0.35812	0.32832
3	Total Penta-Furans	29.43	5.427e2	3.682e2	1.47	NO	0.090637	0.090637
4	Total Penta-Furans	29.80	4.651e2	3.343e2	0.87	YES	0.076119	0.02960
5	1,2,3,7,8-PeCDF	29.81	1.865e2	1.147e2	1.83	NO	0.29329	0.29329
6	Total Penta-Furans	30.05	8.614e2	5.967e2	1.44	NO	0.14567	0.14567
7	Total Penta-Furans	30.59	1.941e2	1.688e2	1.15	YES	0.031776	0.00200
8	2,3,4,7,8-PeCDF	31.28	1.587e2	1.109e2	1.43	NO	0.24656	0.24656



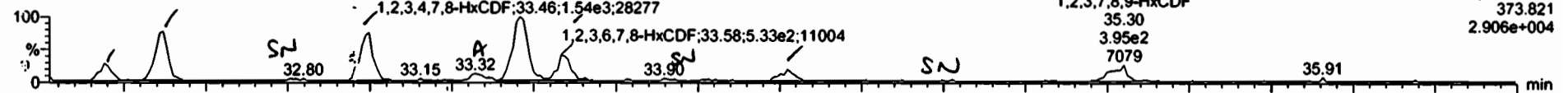
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

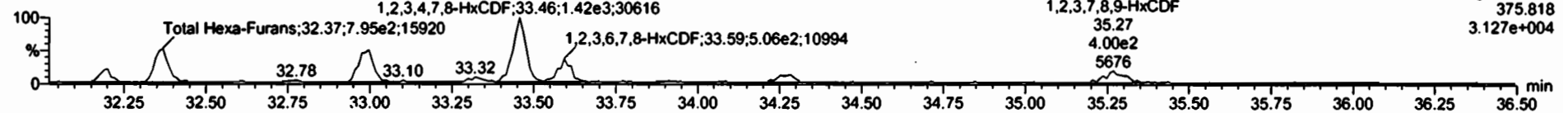
Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

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

201213R2_7

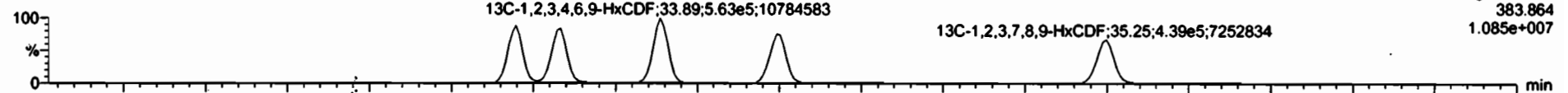


201213R2_7

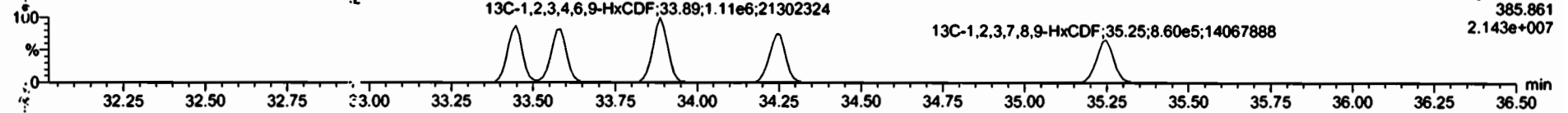


13C-1,2,3,4,7,8-HxCDF

201213R2_7

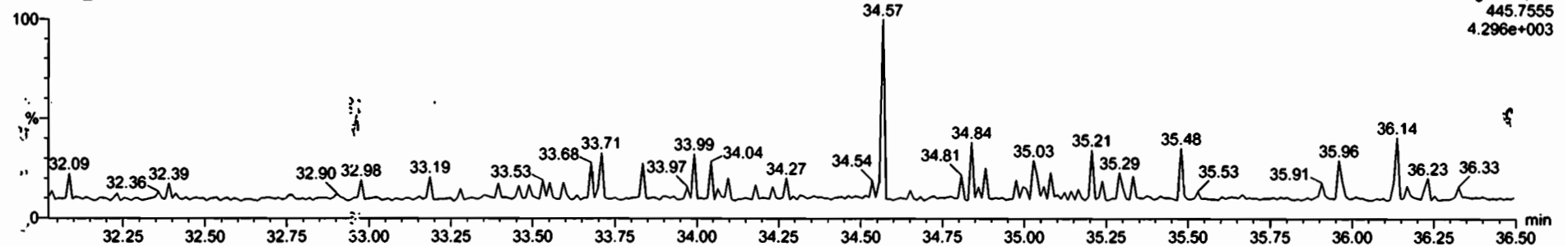


201213R2_7



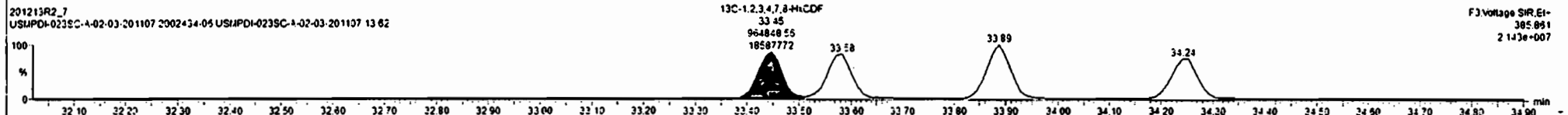
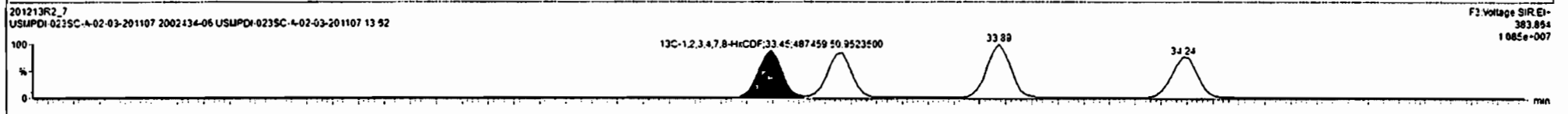
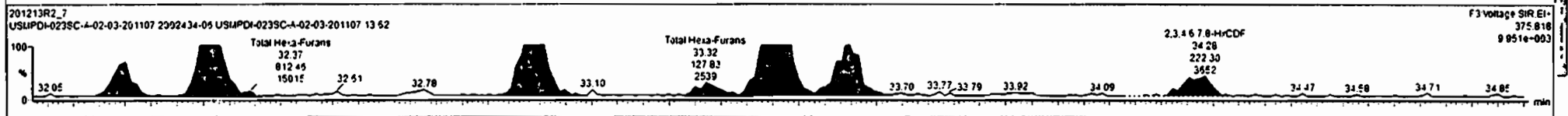
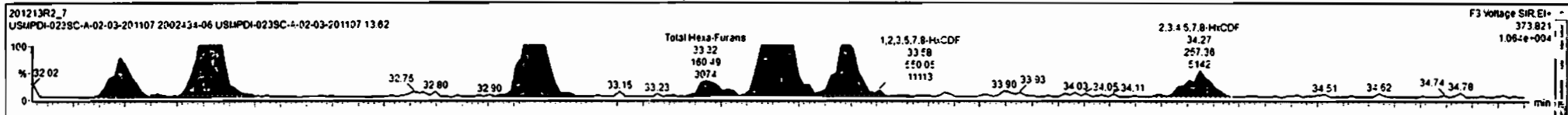
DPE3

201213R2_7



Name	Reso	RA	nY	RF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans			0.9597	10.005			1.14		0.2474	1.25

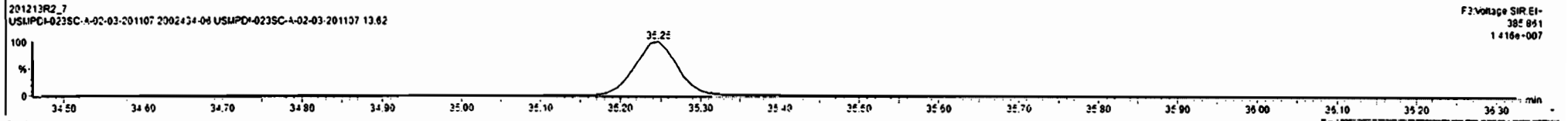
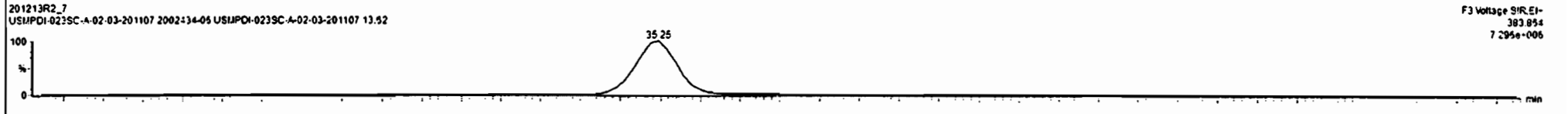
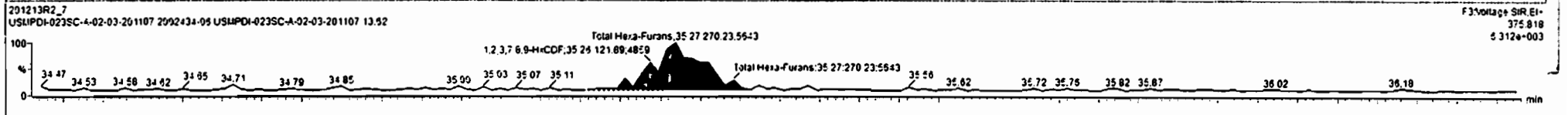
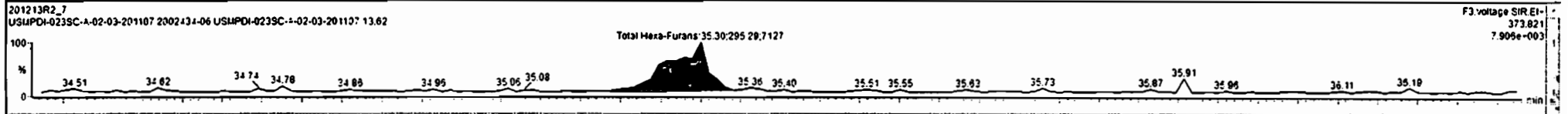
Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc	
1	Total Hexa-Furans	32.19	3.577e2	2.729e2	1.31	NO	0.088489	0.068485
2	Total Hexa-Furans	32.37	1.636e3	8.121e2	1.28	NO	0.25897	0.212097
3	Total Hexa-Furans	33.00	8.991e2	8.179e2	1.22	NO	0.25455	0.25455
4	Total Hexa-Furans	33.32	1.655e2	1.278e2	1.26	NO	0.040392	0.040392
5	1,2,3,4,7,8-HxCDF	33.48	1.540e3	1.419e3	1.09	NO	0.41306	0.41309
6	1,2,3,6,7,8-HxCDF	33.58	5.501e2	5.054e2	1.09	NO	0.14089	0.14089
7	2,3,4,6,7,8-HxCDF	34.27	2.574e2	2.223e2	1.16	NO	0.067114	0.067114
8	1,2,3,7,8,9-HxCDF	35.30	3.853e2	4.000e2	0.96	YES	0.11990	0.05000



201213R2_7 - 2002434 06 USMPDI-023SC-A-02-03-201107 13.62 - USMPDI-023SC-A-02-03-201107

#	Name	Resp	RA	nY	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EVPC
1	Total Penta-Furans				0.9597	16 DCS			1.14	0.0474	1.25	

#	Name	RT	ml Resp	nQ Resp	RA	nY	EMPC	Conc
1	Total Hexa-Furans	32.19	3.577e2	2.739e2	1.31	NO	0.028468	0.068465
2	Total Hexa-Furans	32.37	1.636e2	8.125e2	1.28	NO	0.25857	0.25897
3	Total Hexa-Furans	33.90	9.961e2	8.179e2	1.22	NO	0.25455	0.25455
4	Total Hexa-Furans	33.32	1.875e2	1.278e2	1.26	NO	0.040392	0.042352
5	1,2,3,4,7,8-HxCDF	33.48	1.546e2	1.419e2	1.09	NO	0.41308	0.41305
6	1,2,3,6,7,8-HxCDF	33.58	5.501e2	5.054e2	1.09	NO	0.14026	0.14289
7	2,3,4,6,7,8-HxCDF	34.27	2.574e2	2.223e2	1.16	NO	0.067114	0.067114
8	1,2,3,7,8,9-HxCDF	35.26	1.134e2	1.219e2	0.93	YES	0.021822	0.02200
9	Total Hexa-Furans	35.30	2.913e2	2.702e2	1.09	NO	0.076226	0.075228

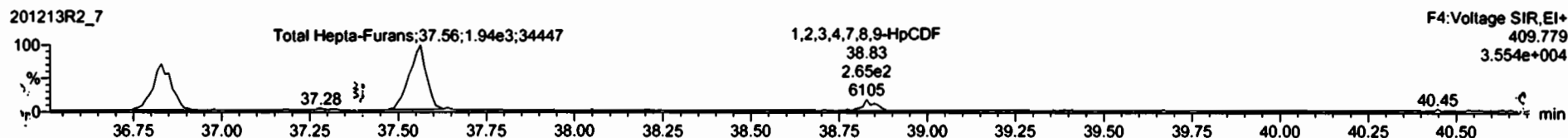
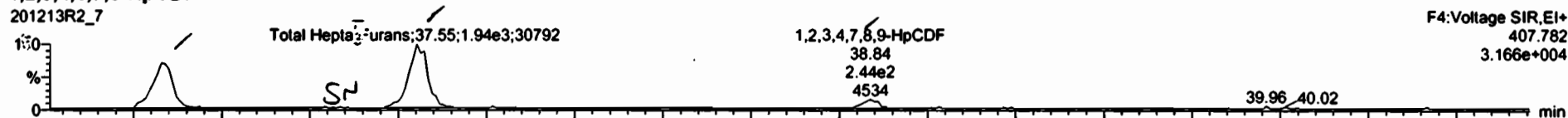


Dataset: Untitled

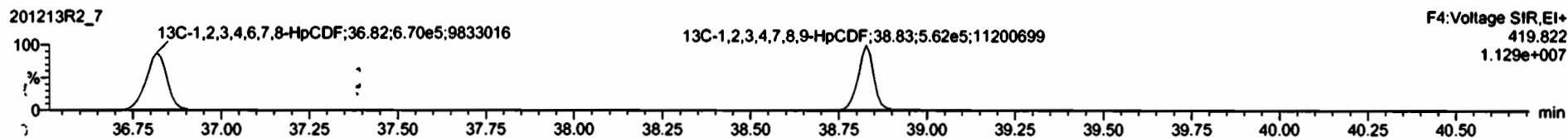
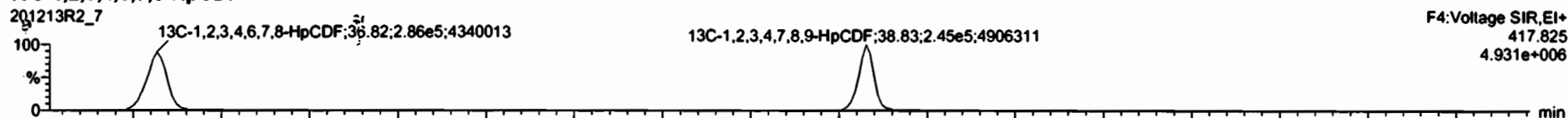
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107

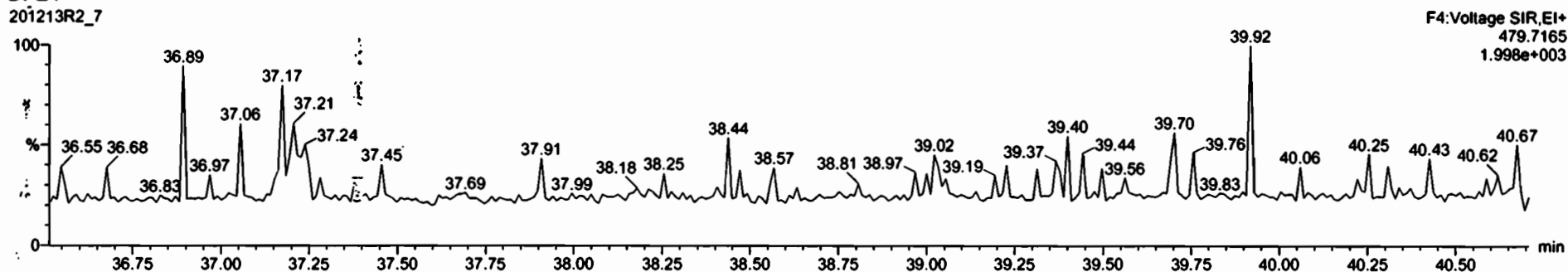
1,2,3,4,6,7,8-HpCDF

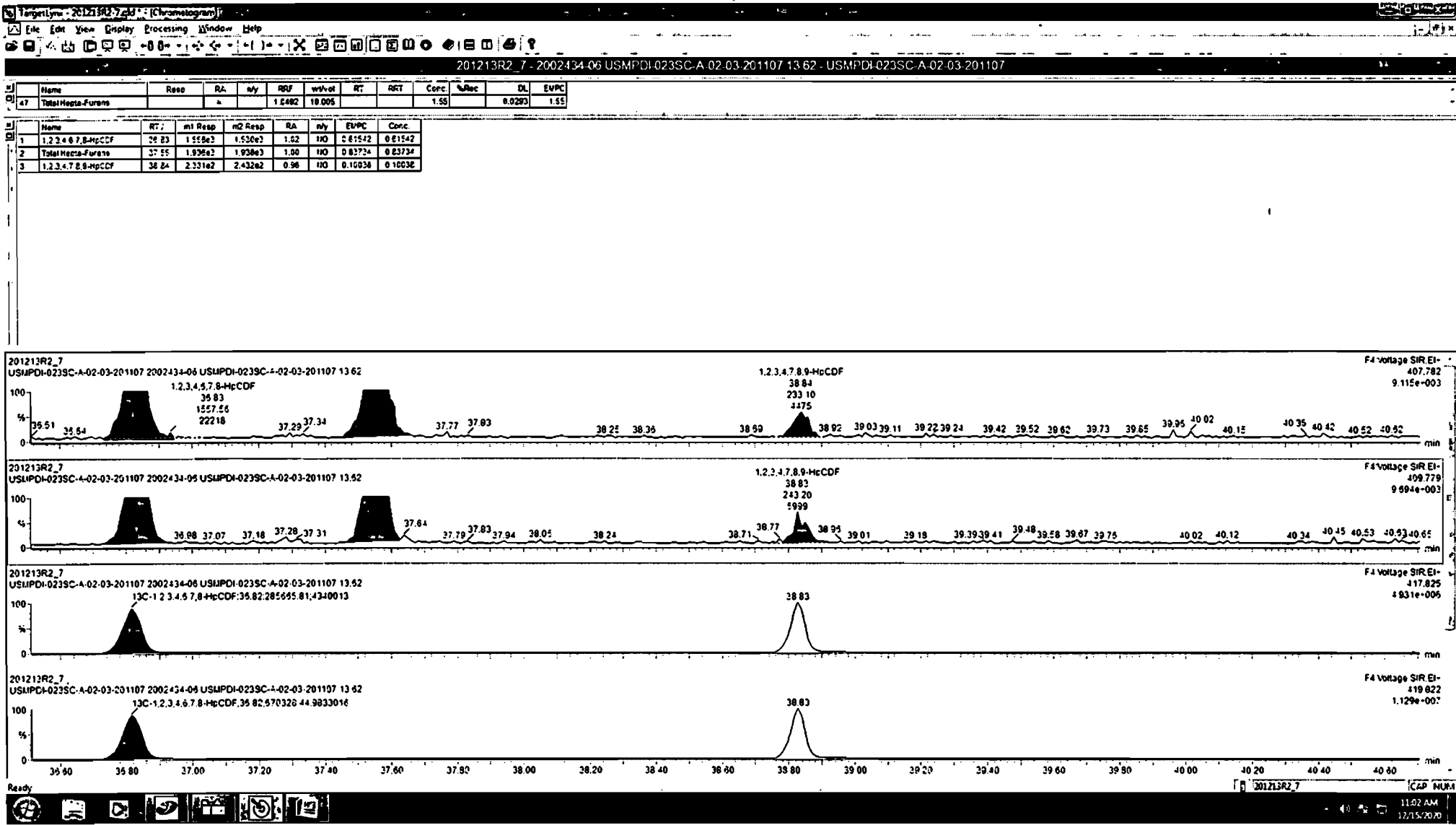


13C-1,2,3,4,6,7,8-HpCDF



DPE4

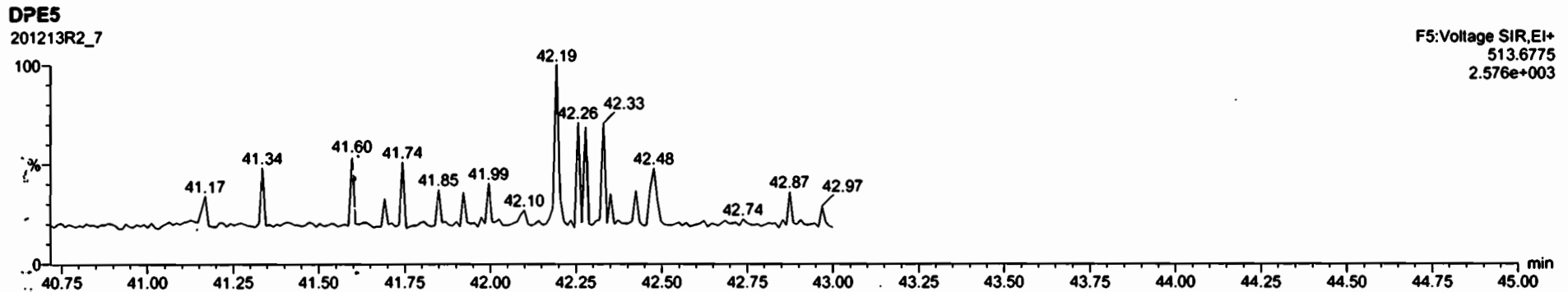
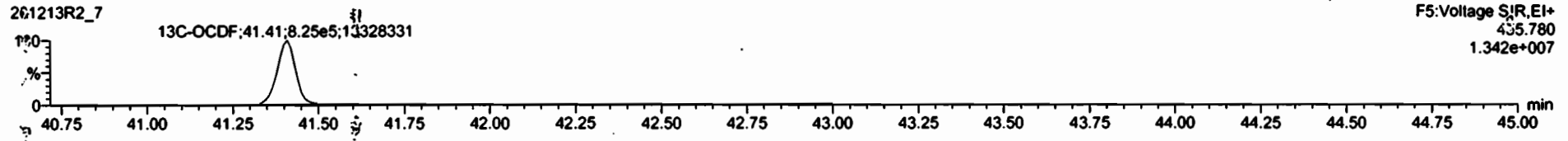
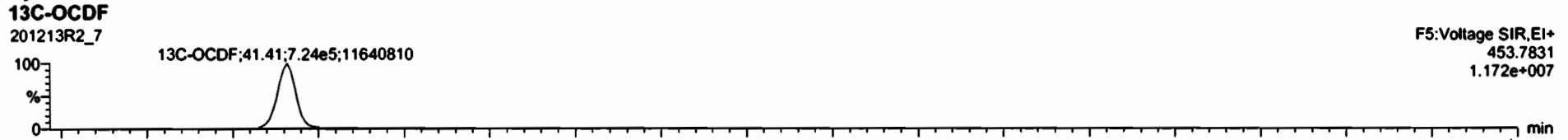
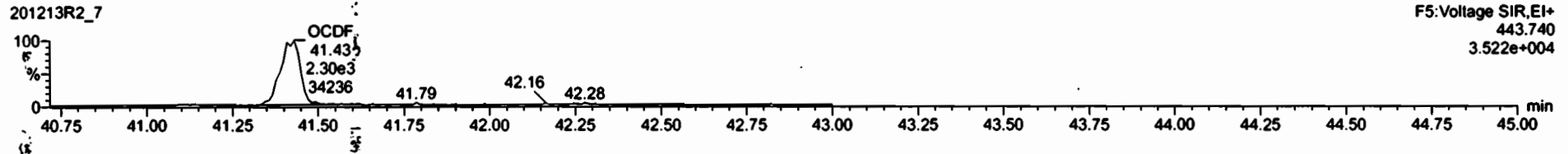
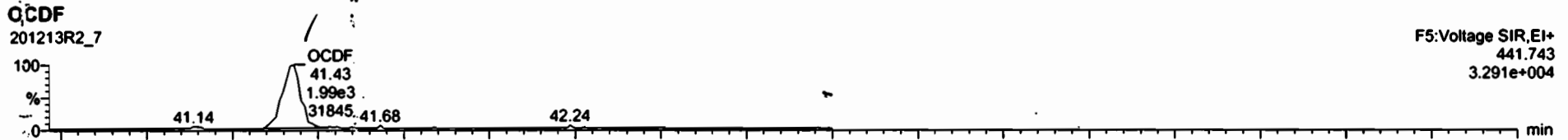




Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

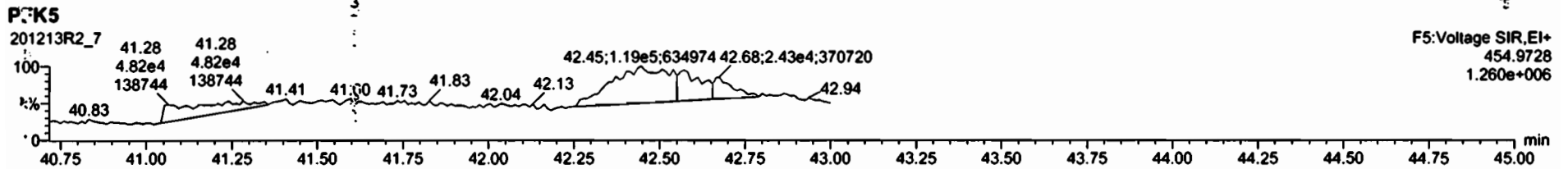
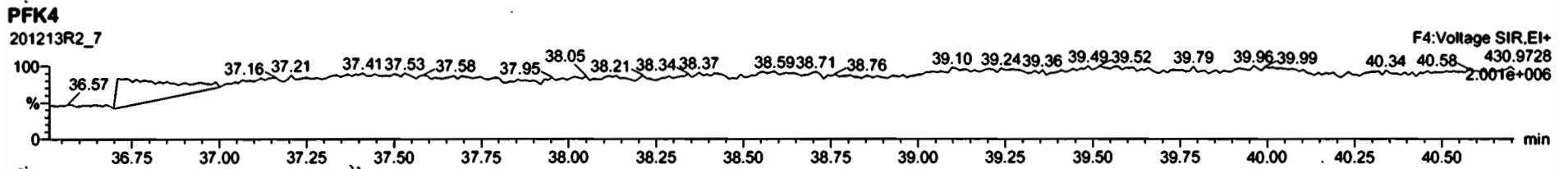
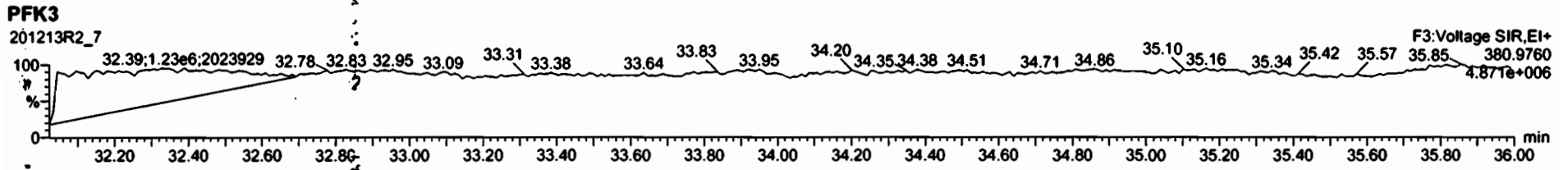
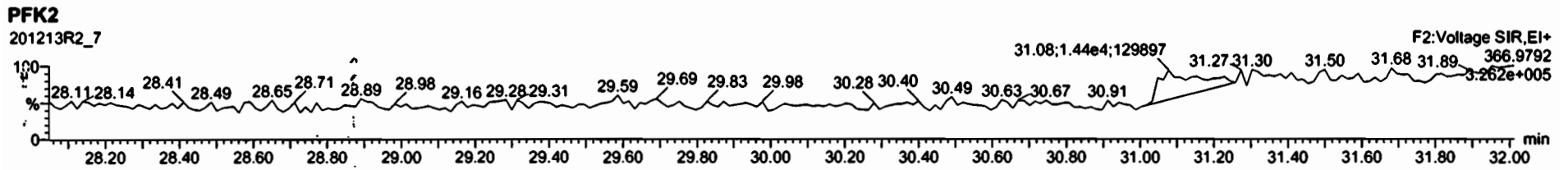
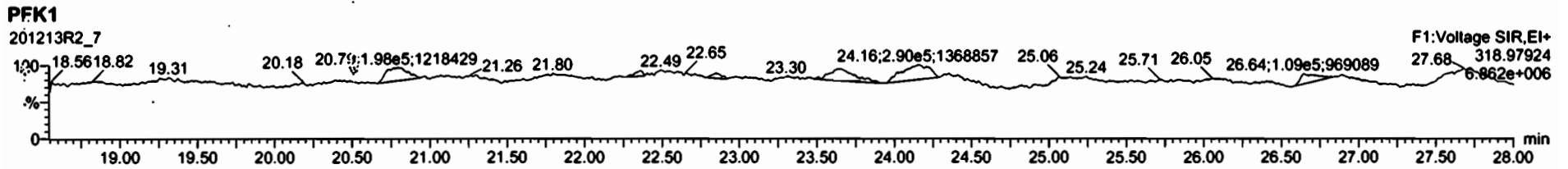
Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_7, Date: 13-Dec-2020, Time: 14:42:54, ID: 2002434-06 USMPDI-023SC-A-02-03-201107 13.62, Description: USMPDI-023SC-A-02-03-201107



Dataset: U:\VG12.PRO\Results\201213R2\201213R2-8.qld

Last Altered: Tuesday, December 15, 2020 11:16:41 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 11:17:27 AM Pacific Standard Time

GRB 12/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

MW 12/15/20

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

#	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	0.980	10.001	26.410		1.001				0.0236	
2	1,2,3,7,8-PeCDD			NO	0.932	10.001	31.079		1.001				0.0286	
3	1,2,3,4,7,8-HxCDD			NO	1.02	10.001	34.379		1.001				0.0420	
4	1,2,3,6,7,8-HxCDD			NO	0.902	10.001	34.504		1.001				0.0438	
5	1,2,3,7,8,9-HxCDD			NO	0.954	10.001	34.766		1.000				0.0417	
6	1,2,3,4,6,7,8-HpCDD	9.58e3	1.13	NO	0.918	10.001	38.222	38.22	1.000	1.000	1.8862		0.0854	1.89
7	OCDD	8.43e4	0.87	NO	0.866	10.001	41.124	41.13	1.000	1.000	25.851		0.132	25.9
8	2,3,7,8-TCDF	1.38e3	0.86	NO	0.848	10.001	25.687	25.70	1.000	1.001	0.14013		0.0185	0.140
9	1,2,3,7,8-PeCDF	1.32e3	1.50	NO	0.960	10.001	29.800	29.81	1.000	1.001	0.12183		0.0287	0.122
10	2,3,4,7,8-PeCDF	1.02e3	1.30	YES	1.07	10.001	30.889	30.88	1.001	1.000	0.08922		0.0264	0.0833
11	1,2,3,4,7,8-HxCDF	1.02e3	1.40	NO	0.986	10.001	33.467	33.46	1.000	1.000	0.13340		0.0239	0.133
12	1,2,3,6,7,8-HxCDF	4.46e2	1.14	NO	1.04	10.001	33.603	33.61	1.001	1.001	0.055495		0.0221	0.0555
13	2,3,4,6,7,8-HxCDF	2.54e2	1.32	NO	1.02	10.001	34.274	34.28	1.001	1.001	0.032718		0.0245	0.0327
14	1,2,3,7,8,9-HxCDF	1.79e2	1.12	NO	0.991	10.001	35.259	35.26	1.000	1.000	0.026135		0.0294	0.0261
15	1,2,3,4,6,7,8-HpCDF	2.84e3	0.98	NO	1.05	10.001	36.835	36.84	1.000	1.001	0.50548		0.0596	0.505
16	1,2,3,4,7,8,9-HpCDF			NO	1.18	10.001	38.839		1.000				0.0511	
17	OCDF	9.44e3	0.83	NO	0.896	10.001	41.417	41.42	1.000	1.000	2.4938		0.0528	2.49
18	13C-2,3,7,8-TCDD	1.73e6	0.78	NO	1.06	10.001	26.383	26.38	1.030	1.030	169.83	84.9	0.0652	
19	13C-1,2,3,7,8-PeCDD	1.56e6	0.64	NO	0.785	10.001	31.229	31.05	1.219	1.212	207.01	104	0.100	
20	13C-1,2,3,4,7,8-HxCDD	1.19e6	1.29	NO	0.621	10.001	34.358	34.36	1.014	1.014	221.76	111	0.306	
21	13C-1,2,3,6,7,8-HxCDD	1.33e6	1.26	NO	0.734	10.001	34.480	34.48	1.017	1.017	210.59	105	0.258	
22	13C-1,2,3,7,8,9-HxCDD	1.37e6	1.25	NO	0.723	10.001	34.765	34.76	1.026	1.025	220.24	110	0.262	
23	13C-1,2,3,4,6,7,8-HpCDD	1.11e6	1.06	NO	0.568	10.001	38.266	38.21	1.129	1.127	225.64	113	0.616	
24	13C-OCDD	1.51e6	0.90	NO	0.496	10.001	41.205	41.12	1.216	1.213	351.78	88.0	0.448	
25	13C-2,3,7,8-TCDF	2.33e6	0.77	NO	0.919	10.001	25.682	25.68	1.003	1.003	164.35	82.2	0.0918	
26	13C-1,2,3,7,8-PeCDF	2.26e6	1.59	NO	0.715	10.001	29.938	29.80	1.169	1.163	205.31	103	0.252	
27	13C-2,3,4,7,8-PeCDF	2.13e6	1.59	NO	0.689	10.001	31.027	30.87	1.212	1.205	200.71	100	0.261	
28	13C-1,2,3,4,7,8-HxCDF	1.55e6	0.51	NO	0.873	10.001	33.463	33.46	0.987	0.987	204.95	102	0.324	
29	13C-1,2,3,6,7,8-HxCDF	1.55e6	0.51	NO	0.933	10.001	33.592	33.58	0.991	0.991	191.82	95.9	0.303	
30	13C-2,3,4,6,7,8-HxCDF	1.52e6	0.51	NO	0.843	10.001	34.260	34.25	1.011	1.011	208.89	104	0.336	
31	13C-1,2,3,7,8,9-HxCDF	1.38e6	0.51	NO	0.780	10.001	35.260	35.25	1.040	1.040	204.67	102	0.363	

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-8.qld

Last Altered: Tuesday, December 15, 2020 11:16:41 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 11:17:27 AM Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

#	Name	Resp	FRAC	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.07e6	0.44	NO	0.726	10.001	36.836	36.82	1.087	1.086	170.52	85.3	0.451	
33	13C-1,2,3,4,7,8,9-HpCDF	8.73e5	0.44	NO	0.491	10.001	38.846	38.83	1.146	1.145	205.88	103	0.667	
34	13C-OCDF	1.69e6	0.88	NO	0.565	10.001	41.422	41.41	1.222	1.222	346.09	86.5	0.428	
35	37Cl-2,3,7,8-TCDD	7.81e5			1.22	10.001	26.378	26.39	1.030	1.031	66.660	83.3	0.0184	
36	13C-1,2,3,4-TCDD	1.92e6	0.79	NO	1.00	10.001	25.640	25.61	1.000	1.000	199.98	100	0.0688	
37	13C-1,2,3,4-TCDF	3.08e6	0.78	NO	1.00	10.001	24.130	24.12	1.000	1.000	199.98	100	0.0844	
38	13C-1,2,3,4,6,9-HxCDF	1.73e6	0.51	NO	1.00	10.001	33.920	33.90	1.000	1.000	199.98	100	0.283	
39	Total Tetra-Dioxins				0.980	10.001	24.620		0.000		0.17923		0.0236	0.179
40	Total Penta-Dioxins				0.932	10.001	29.960		0.000		0.13817		0.0286	0.341
41	Total Hexa-Dioxins				0.902	10.001	33.635		0.000		0.99606		0.0450	0.996
42	Total Hepta-Dioxins				0.918	10.001	37.640		0.000		4.4381		0.0854	4.44
43	Total Tetra-Furans				0.848	10.001	23.610		0.000		0.49680		0.0185	0.497
44	1st Func. Penta-Furans				0.960	10.001	26.930		0.000		0.10461		0.00749	0.105
45	Total Penta-Furans				0.960	10.001	29.275		0.000		0.28359		0.0290	0.367
46	Total Hexa-Furans				1.02	10.001	33.555		0.000		0.61167		0.0246	0.612
47	Total Hepta-Furans				1.05	10.001	37.835		0.000		1.6502		0.0585	1.65

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-8.qld

Last Altered: Tuesday, December 15, 2020 11:16:41 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 11:17:27 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
 Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	24.31	9.761e3	1.243e4	6.798e2	8.362e2	0.81	NO	1.516e3	0.17923	0.17923	0.0236

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	28.82	6.481e3	4.528e3	2.936e2	3.565e2	0.82	YES	0.000e0	0.00000	0.079762	0.0286
Total Penta-Dioxins	29.30	3.263e3	6.386e3	1.964e2	3.256e2	0.60	NO	5.220e2	0.071650	0.071650	0.0286
Total Penta-Dioxins	29.60	2.608e3	1.068e4	1.645e2	6.272e2	0.26	YES	0.000e0	0.00000	0.058405	0.0286
Total Penta-Dioxins	29.80	1.169e4	7.318e3	6.030e2	2.900e2	2.08	YES	0.000e0	0.00000	0.064881	0.0286
Total Penta-Dioxins	30.31	3.701e3	4.075e3	1.876e2	2.970e2	0.63	NO	4.847e2	0.066524	0.066524	0.0286

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	32.74	3.677e4	2.620e4	1.823e3	1.413e3	1.29	NO	3.236e3	0.55192	0.55192	0.0450
Total Hexa-Dioxins	33.32	3.897e3	2.971e3	1.772e2	1.374e2	1.29	NO	3.146e2	0.053663	0.053663	0.0450
Total Hexa-Dioxins	33.62	1.638e4	1.441e4	1.314e3	9.752e2	1.35	NO	2.289e3	0.39047	0.39047	0.0450

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.21	8.261e4	8.946e4	6.404e3	6.554e3	0.98	NO	1.296e4	2.5520	2.5520	0.0854
1,2,3,4,6,7,8-HpCDD	38.22	8.524e4	8.034e4	5.073e3	4.504e3	1.13	NO	9.578e3	1.8862	1.8862	0.0854

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-8.qld

Last Altered: Tuesday, December 15, 2020 11:16:41 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 11:17:27 AM Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Tetra-Furans	21.69	3.455e3	4.049e3	2.873e2	3.872e2	0.74	NO	6.744e2	0.068373	0.068373	0.0185
2 Total Tetra-Furans	22.61	2.273e3	2.436e3	2.021e2	2.437e2	0.83	NO	4.458e2	0.045199	0.045199	0.0185
3 Total Tetra-Furans	23.10	1.416e3	1.789e3	1.094e2	1.404e2	0.78	NO	2.499e2	0.025331	0.025331	0.0185
4 Total Tetra-Furans	24.24	2.229e3	3.315e3	2.057e2	2.995e2	0.69	NO	5.052e2	0.051216	0.051216	0.0185
5 Total Tetra-Furans	24.69	9.042e3	1.100e4	5.817e2	7.350e2	0.79	NO	1.317e3	0.13350	0.13350	0.0185
6 Total Tetra-Furans	25.59	2.020e3	3.888e3	1.412e2	1.848e2	0.76	NO	3.260e2	0.033055	0.033055	0.0185
7 2,3,7,8-TCDF	25.70	1.024e4	1.139e4	6.402e2	7.420e2	0.86	NO	1.382e3	0.14013	0.14013	0.0185

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	27.19	1.247e4	6.596e3	7.057e2	3.961e2	1.78	NO	1.102e3	0.10461	0.10461	0.00749

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Penta-Furans	28.83	8.744e3	7.741e3	6.668e2	4.676e2	1.43	NO	1.134e3	0.10771	0.10771	0.0290
2 1,2,3,7,8-PeCDF	29.81	1.608e4	1.056e4	7.921e2	5.298e2	1.50	NO	1.322e3	0.12183	0.12183	0.0287
3 Total Penta-Furans	30.07	6.697e3	4.269e3	3.363e2	2.331e2	1.44	NO	5.694e2	0.054060	0.054060	0.0290
4 2,3,4,7,8-PeCDF	30.88	1.119e4	8.564e3	5.753e2	4.415e2	1.30	YES	1.017e3	0.00000	0.083333	0.0264

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Furans	32.21	5.269e3	2.708e3	1.746e2	1.418e2	1.23	NO	3.164e2	0.041417	0.041417	0.0246
2 Total Hexa-Furans	32.37	1.072e4	9.354e3	5.617e2	4.390e2	1.28	NO	1.001e3	0.13097	0.13097	0.0246
3 Total Hexa-Furans	33.00	1.161e4	1.048e4	6.172e2	5.144e2	1.20	NO	1.132e3	0.14810	0.14810	0.0246
4 1,2,3,4,7,8-HxCDF	33.46	9.813e3	8.270e3	5.924e2	4.241e2	1.40	NO	1.017e3	0.13340	0.13340	0.0239
5 1,2,3,6,7,8-HxCDF	33.61	4.459e3	3.935e3	2.376e2	2.081e2	1.14	NO	4.457e2	0.055495	0.055495	0.0221
6 2,3,4,6,7,8-HxCDF	34.28	2.254e3	2.489e3	1.442e2	1.096e2	1.32	NO	2.538e2	0.032718	0.032718	0.0245
7 1,2,3,7,8,9-HxCDF	35.26	3.577e3	2.752e3	9.439e1	8.411e1	1.12	NO	1.785e2	0.026135	0.026135	0.0294
8 Total Hexa-Furans	35.27	4.967e3	3.913e3	1.939e2	1.380e2	1.40	NO	3.318e2	0.043432	0.043432	0.0246

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-8.qld

Last Altered: Tuesday, December 15, 2020 11:16:41 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 11:17:27 AM Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDF	36.84	2.036e4	2.154e4	1.404e3	1.433e3	0.98	NO	2.837e3	0.50548	0.50548	0.0596
Total Hepta-Furans	37.56	4.318e4	4.320e4	2.936e3	2.898e3	1.01	NO	5.834e3	1.1448	1.1448	0.0585

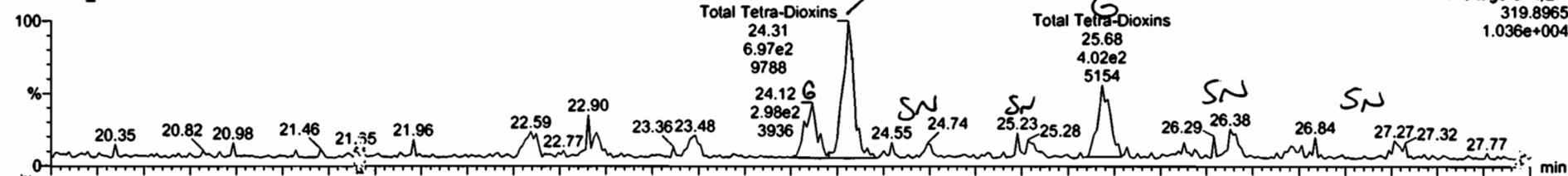
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

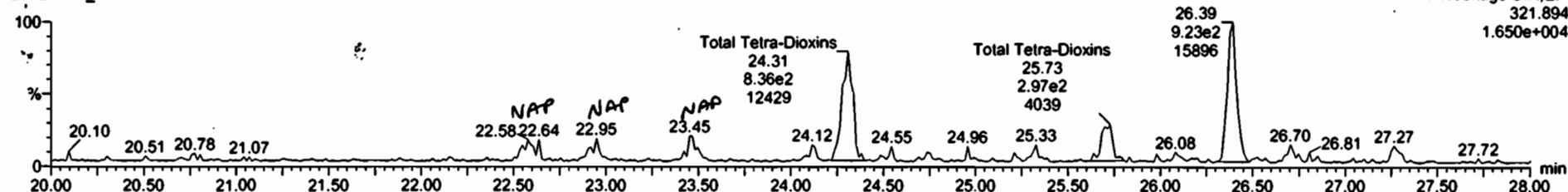
2,3,7,8-TCDD

201213R2_8



F1:Voltage SIR,EI+
319.8965
1.036e+004

201213R2_8



F1:Voltage SIR,EI+
321.894
1.650e+004

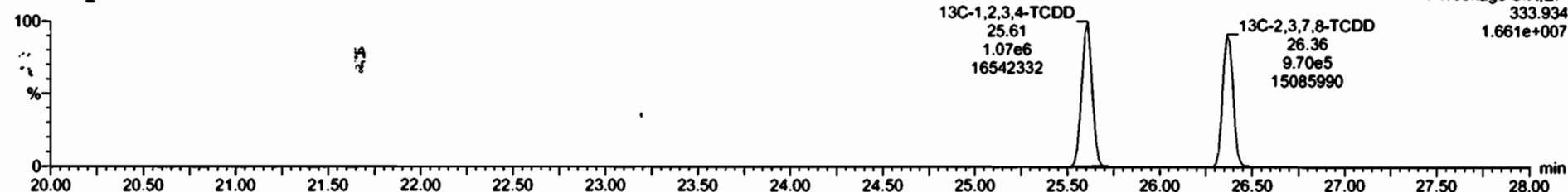
13C-2,3,7,8-TCDD

201213R2_8

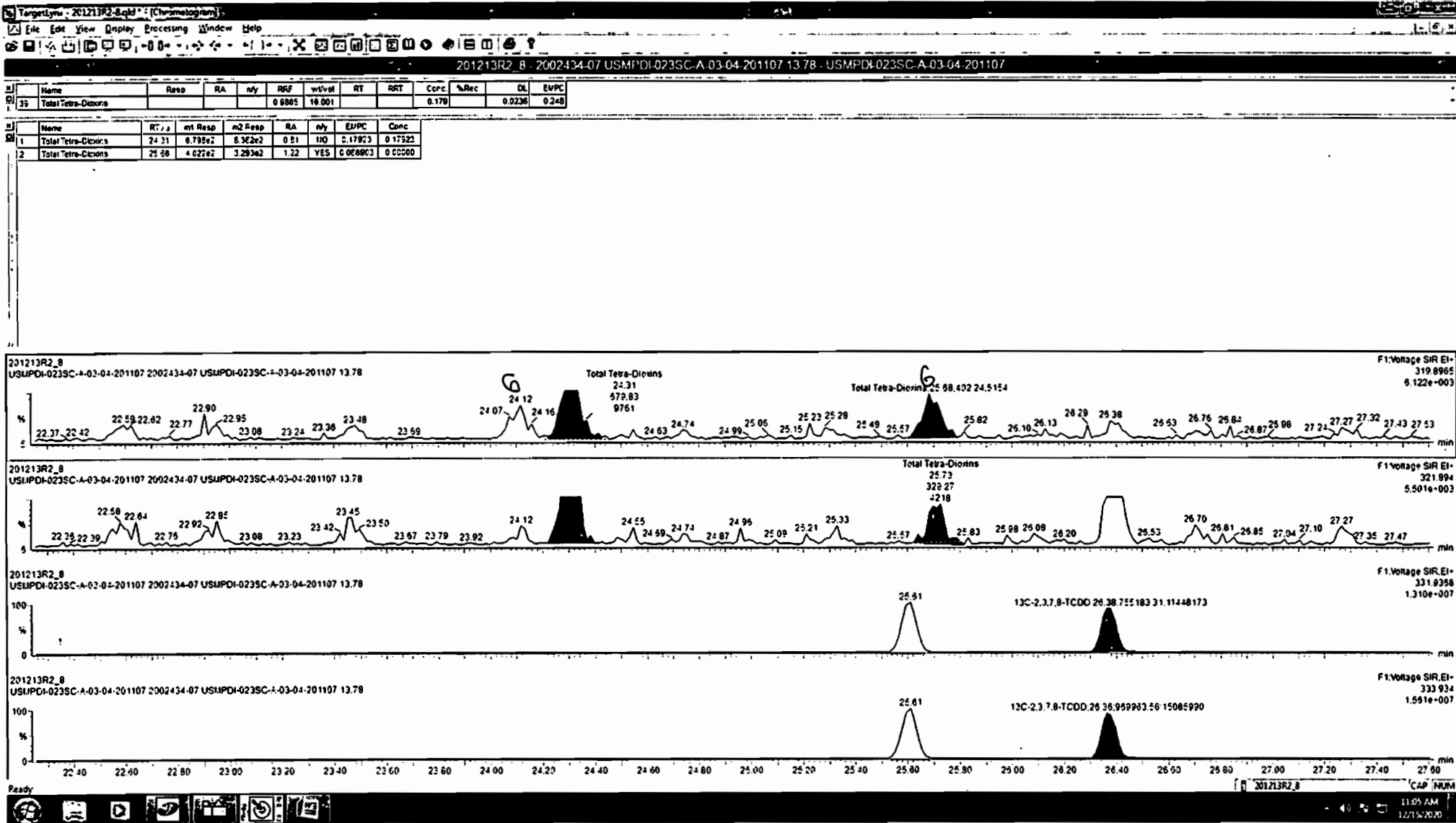


F1:Voltage SIR,EI+
331.9368
1.310e+007

201213R2_8



F1:Voltage SIR,EI+
333.934
1.661e+007



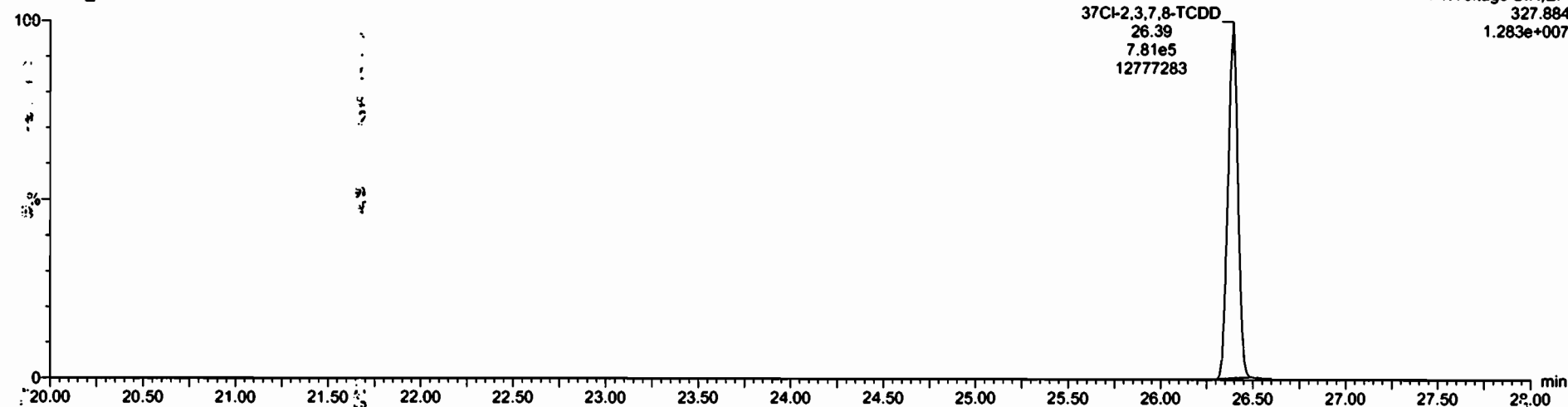
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

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

201213R2_8

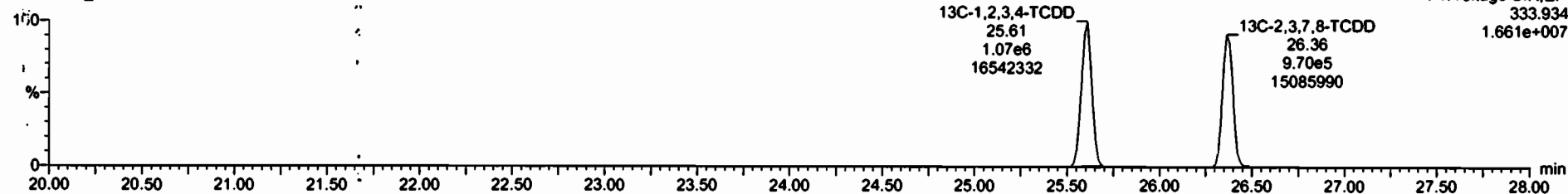


13C-1,2,3,4-TCDD

201213R2_8



201213R2_8



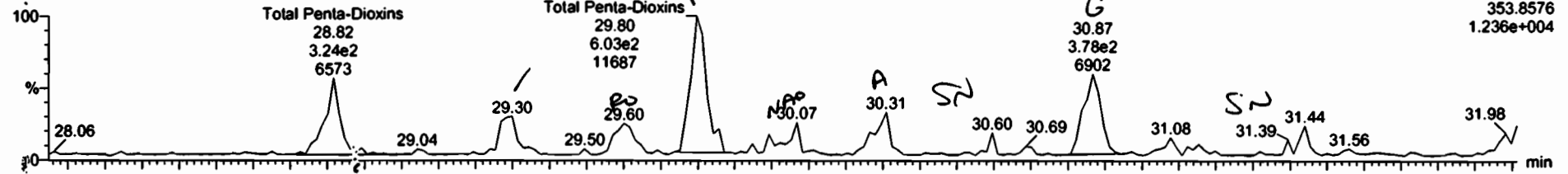
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

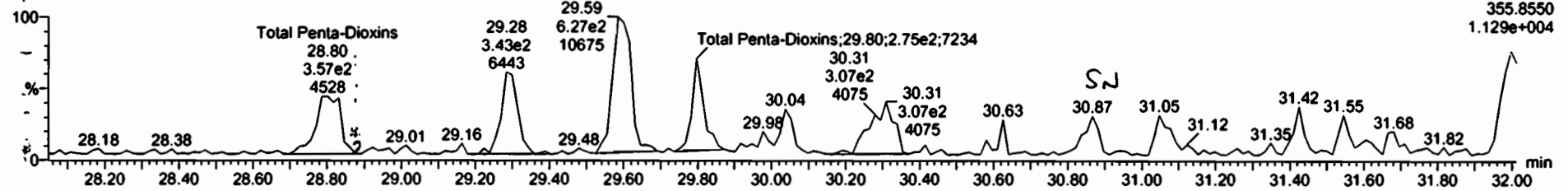
Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

1,2,3,7,8-PeCDD

201213R2_8



201213R2_8

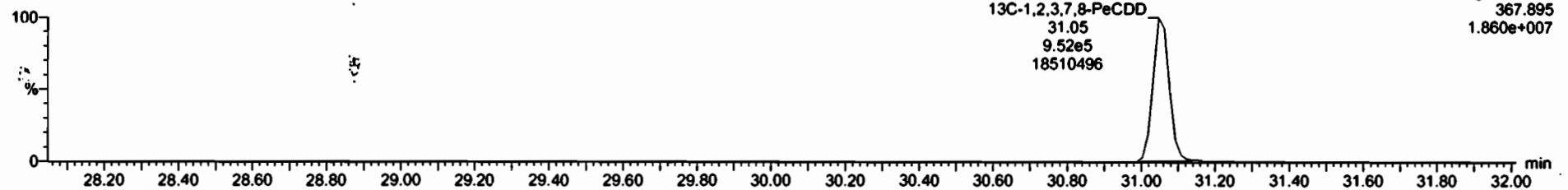


13C-1,2,3,7,8-PeCDD

201213R2_8

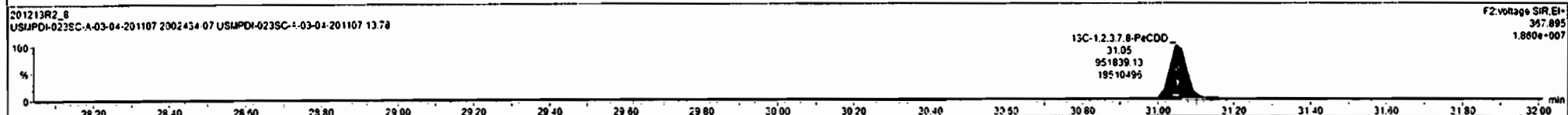
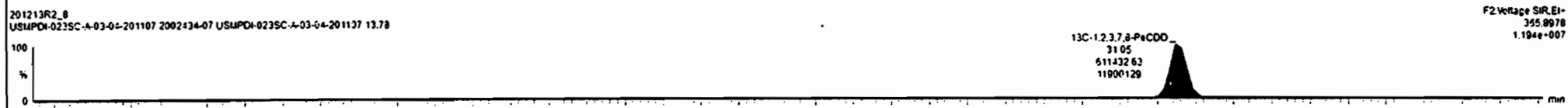
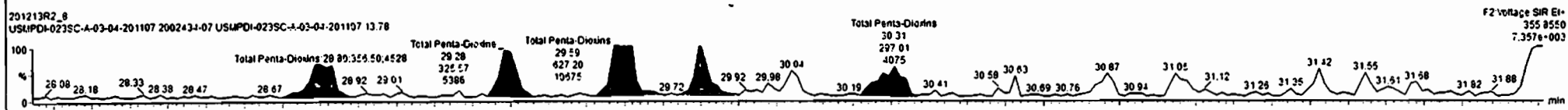
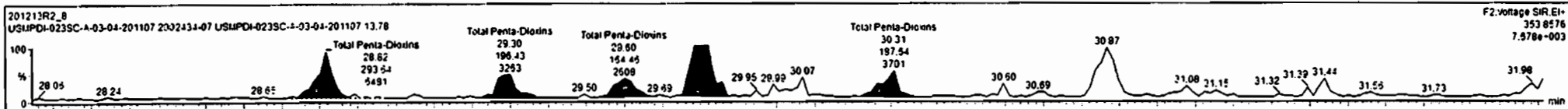


201213R2_8



Name	Resp	RA	n/y	RRF	wtVol	RT	ART	Conc.	%Rec	DL	EMPC
Total Tetra-Dioxins				0.585	10.001			0.179		0.2236	0.179

Name	RT/	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
Total Penta-Dioxins	28.82	2.93e2	3.55e2	0.82	YES	0.079762	0.00000
Total Penta-Dioxins	29.30	1.964e2	3.256e2	0.95	NO	0.071650	0.071650
Total Penta-Dioxins	29.80	1.645e2	6.272e2	0.26	YES	0.058405	0.00000
Total Penta-Dioxins	29.80	6.035e2	2.900e2	2.98	YES	0.054881	0.00000
Total Penta-Dioxins	30.31	1.876e2	2.970e2	0.83	NO	0.058524	0.066524



Dataset: Untitled

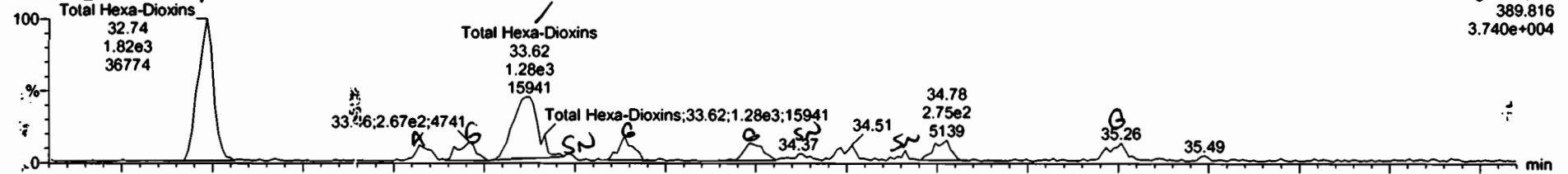
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

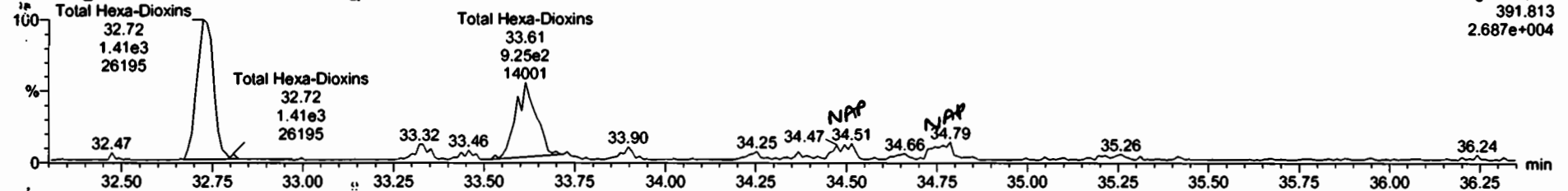
Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

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

201213R2_8

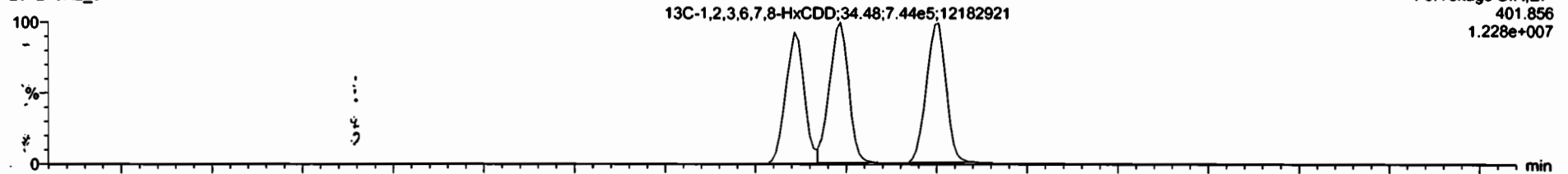


201213R2_8

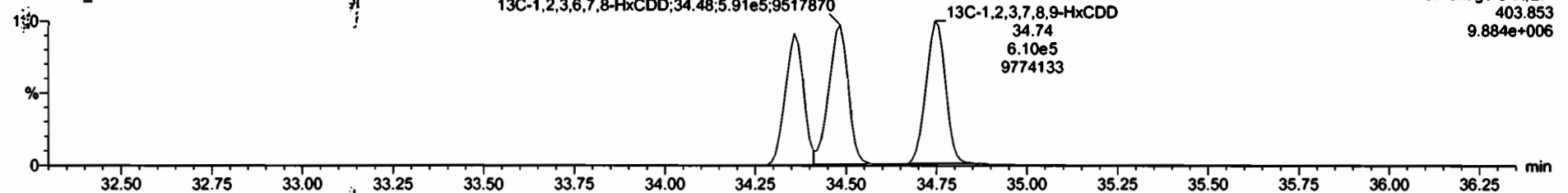


13C-1,2,3,4,7,8-HxCDD

201213R2_8

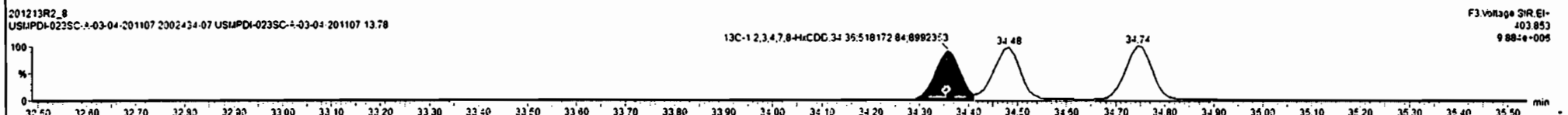
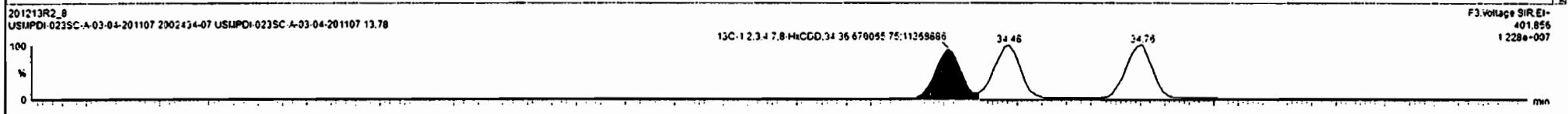
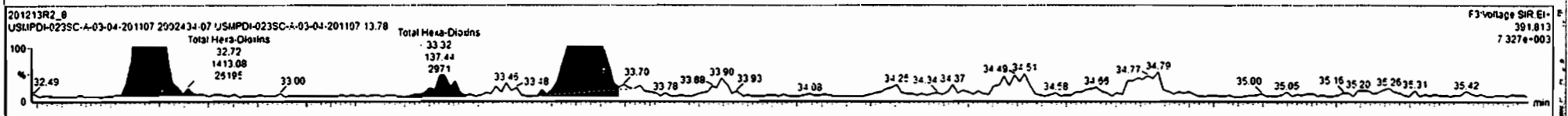
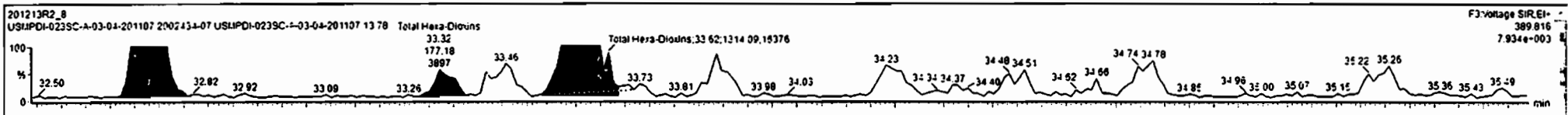


201213R2_8



#1	Name	Resp	RA	nY	RRF	wt/wt	RT	QRT	Conc.	%Rec	DL	EMPC
1	Total Hexa-Dioxins				0.8425	18.001			0.996		0.0450	0.996

#1	Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc
1	Total Hexa-Corins	32.74	1.827e2	1.413e2	1.29	180	0.55152	0.55192
2	Total Hexa-Corins	33.32	1.722e2	1.374e2	1.29	180	0.053663	0.053663
3	Total Hexa-Corins	33.82	1.314e2	8.752e2	1.36	180	0.39647	0.29647



Dataset: Untitled

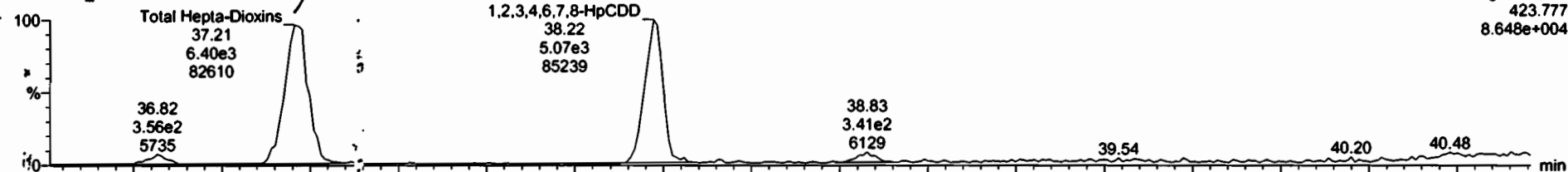
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

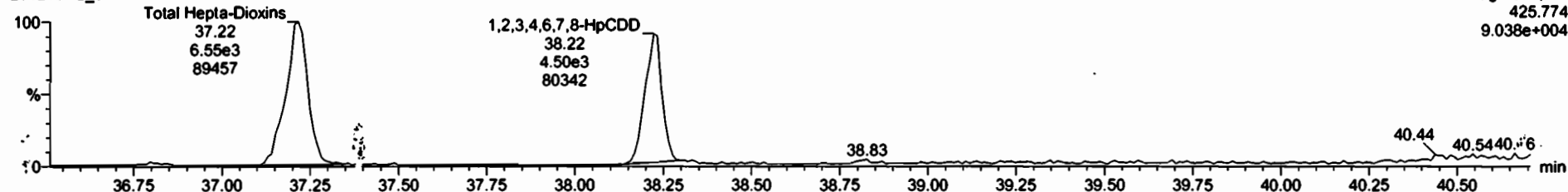
Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

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

201213R2_8



201213R2_8

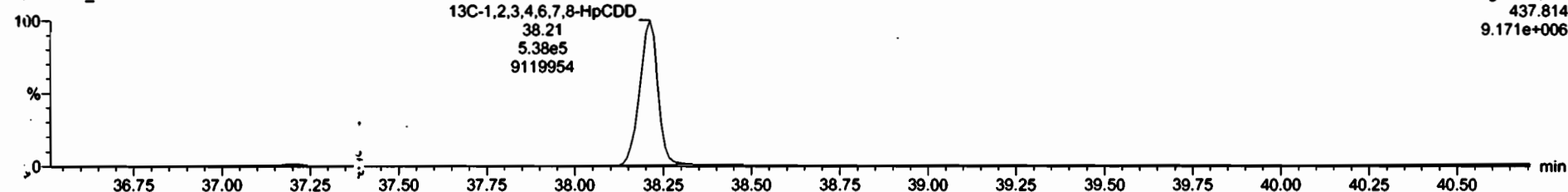


13C-1,2,3,4,6,7,8-HpCDD

201213R2_8



201213R2_8

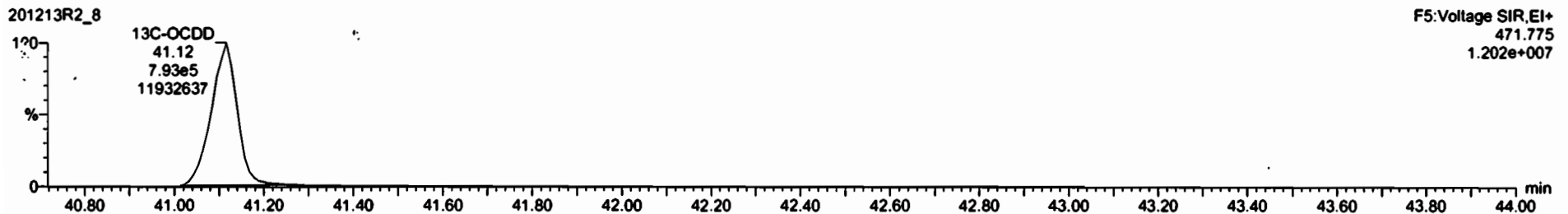
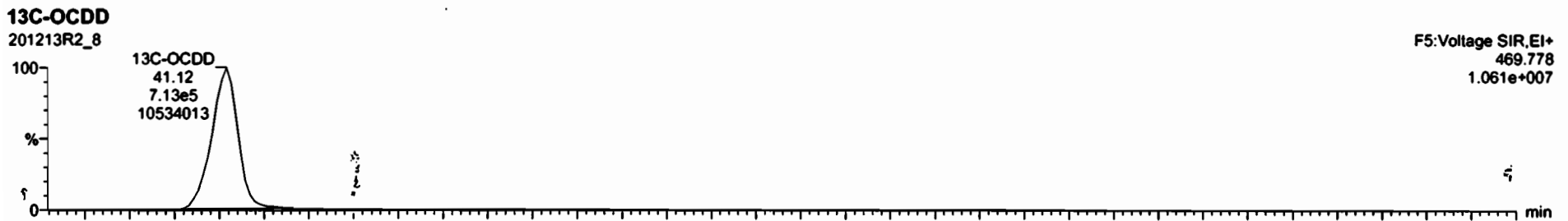
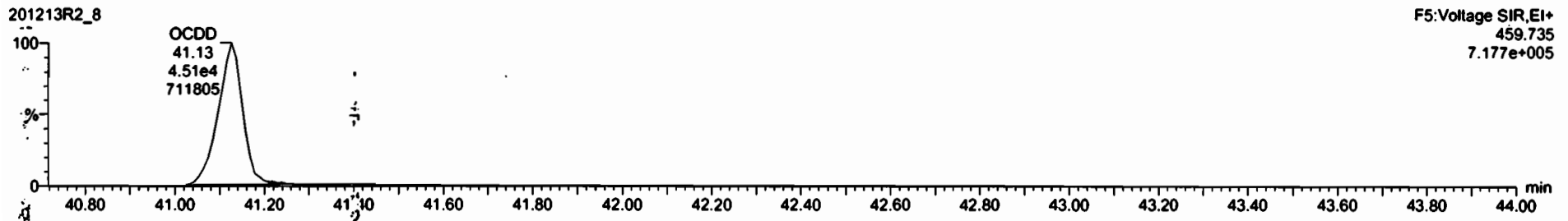
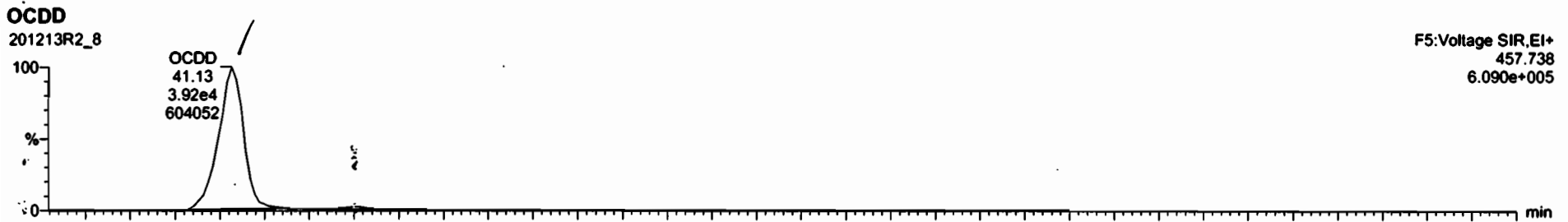


Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

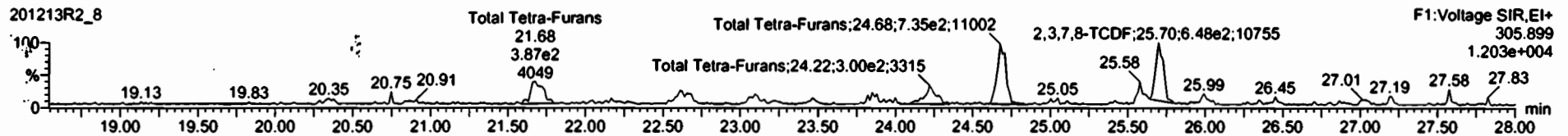
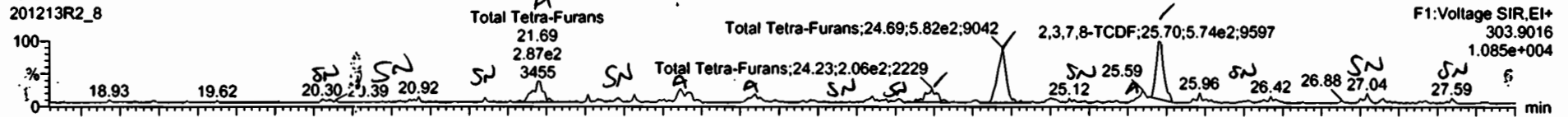


Dataset: Untitled

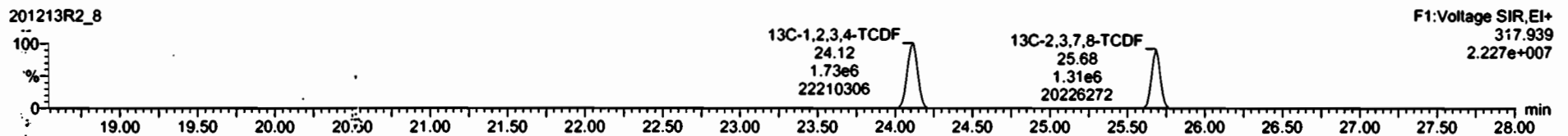
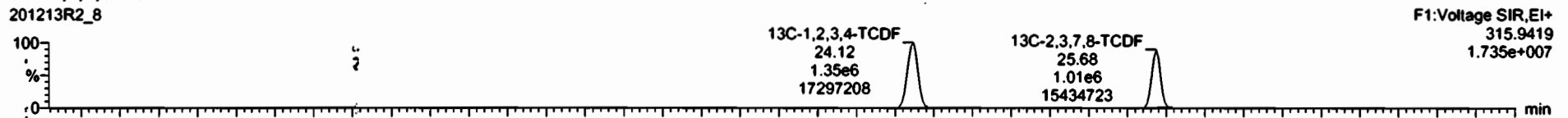
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

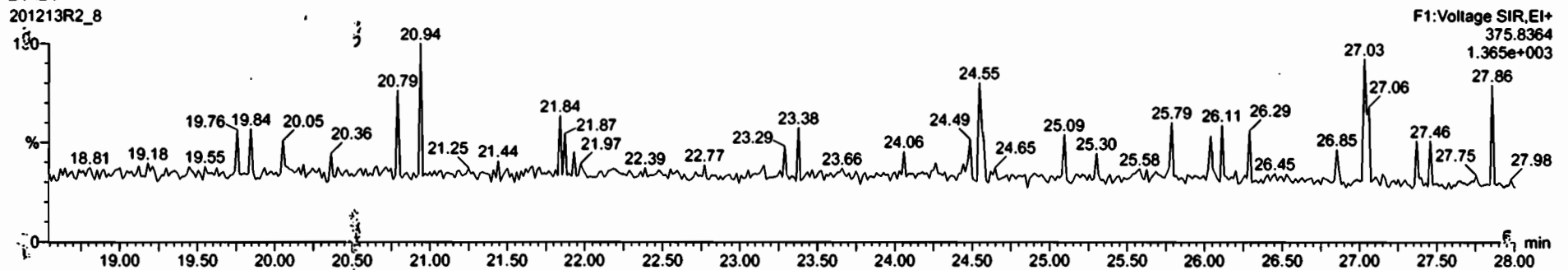
2,3,7,8-TCDF

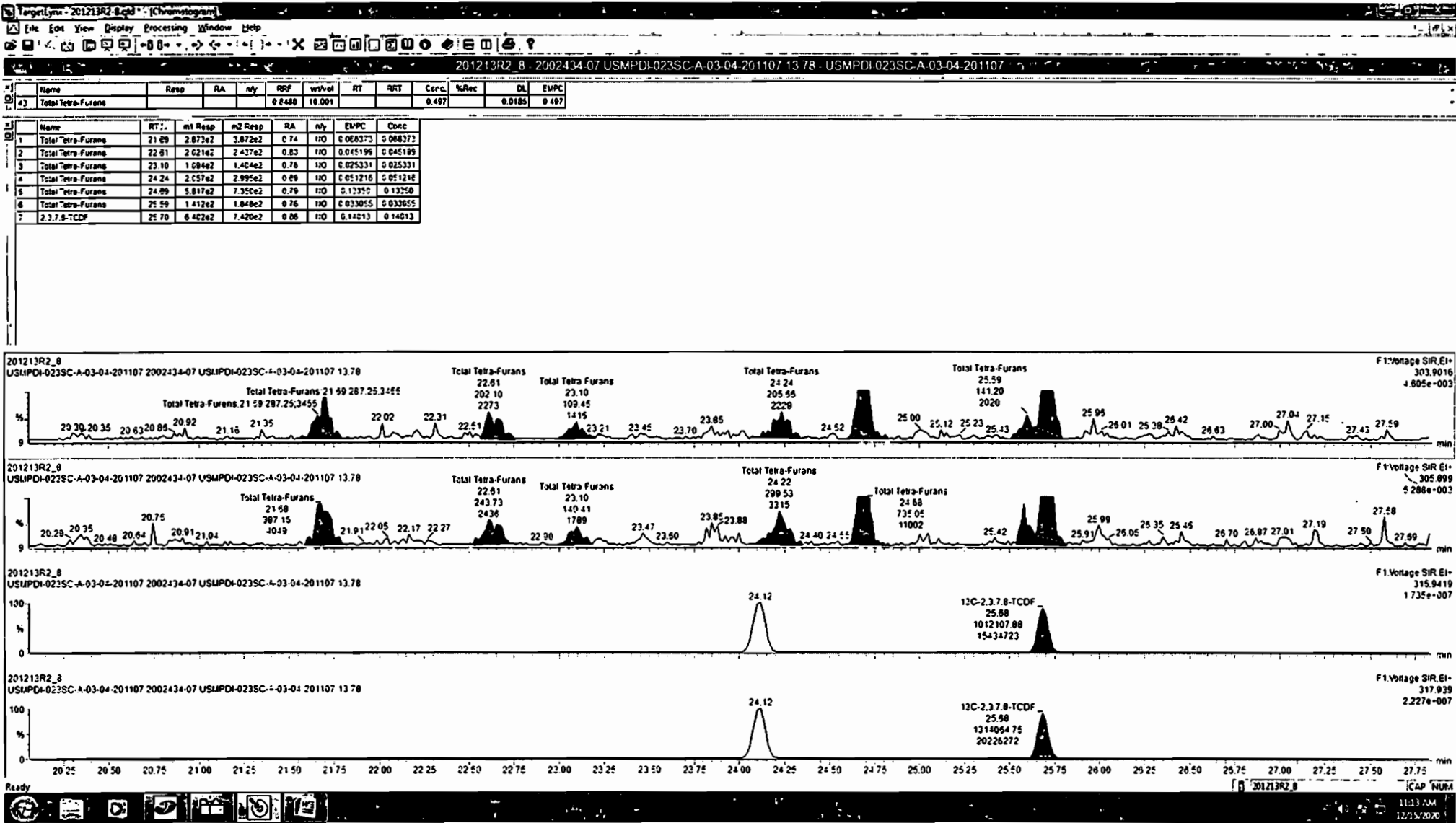


13C-2,3,7,8-TCDF



DPE1





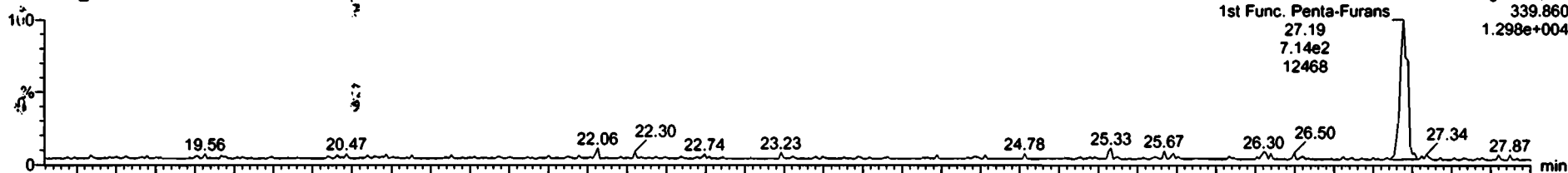
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

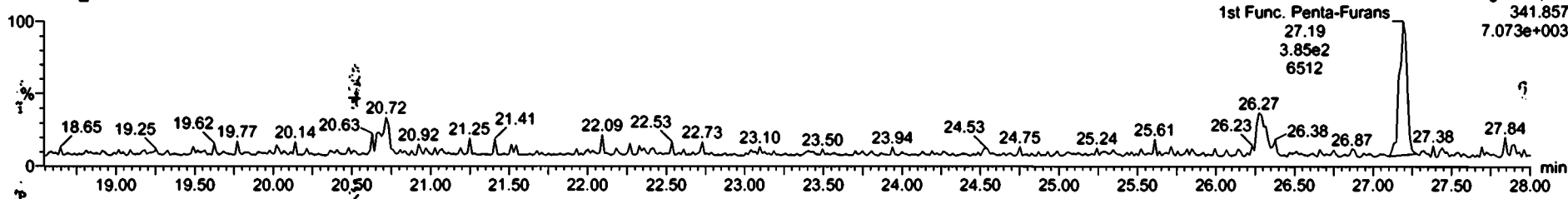
Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

1st Func. Penta-Furans

201213R2_8

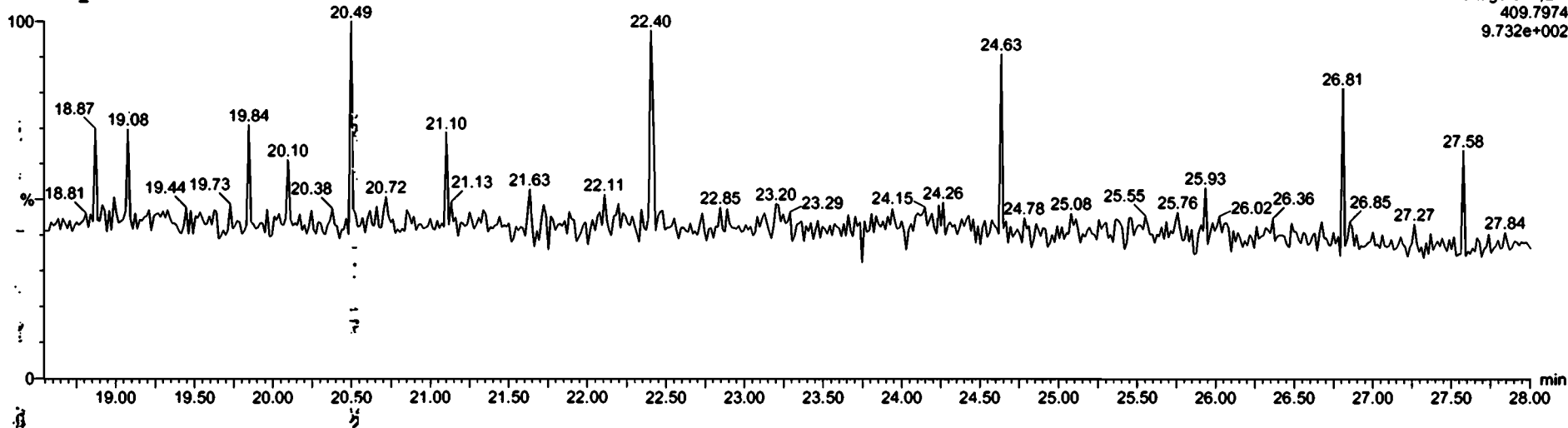


201213R2_8



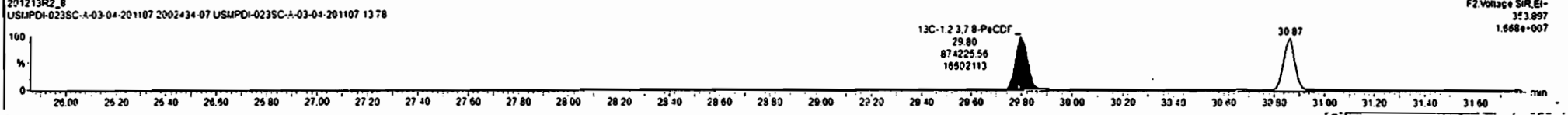
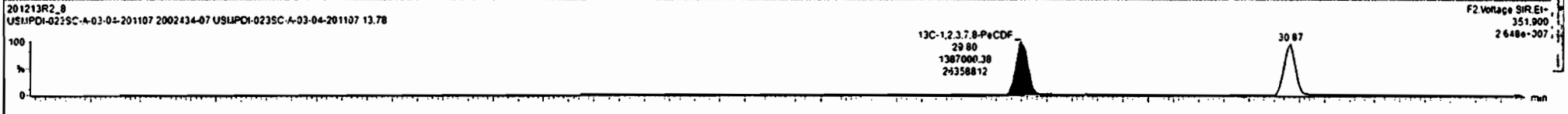
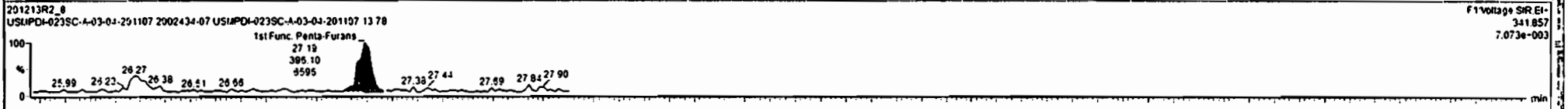
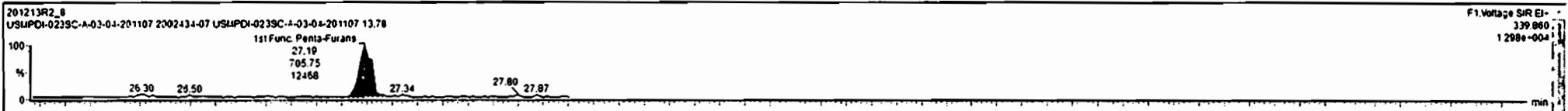
DPE6

201213R2_8



Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
Total Tetra-Furans				0.8480	10.001			0.497		0.0185	0.497

Name	RT1	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1s:Func Penta-Furans	27.19	7.657e2	3.9E1e2	1.78	110	0.10481	0.10251

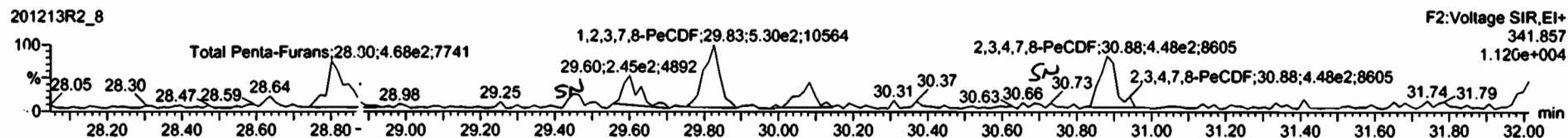
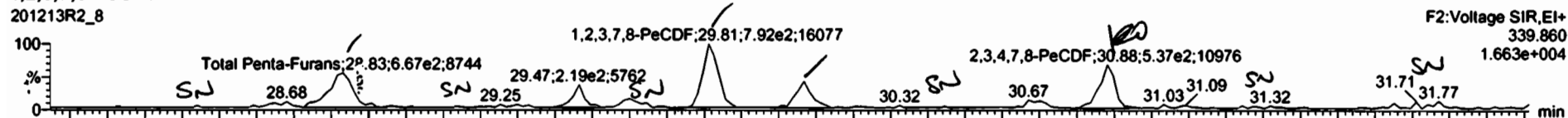


Dataset: Untitled

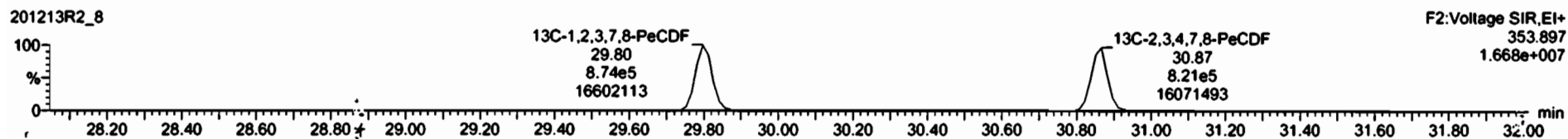
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

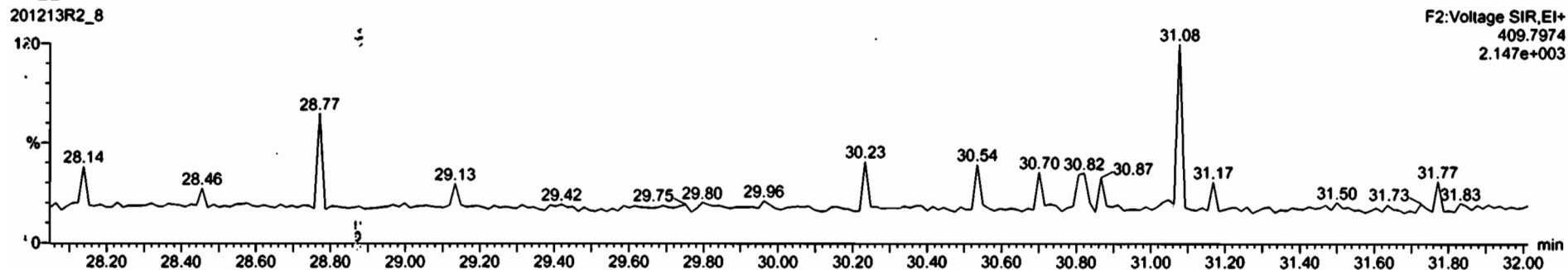
1,2,3,7,8-PeCDF



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

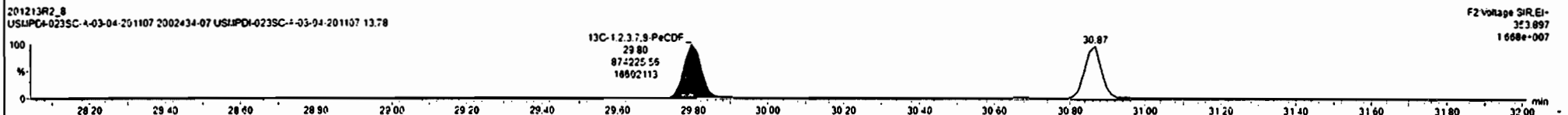
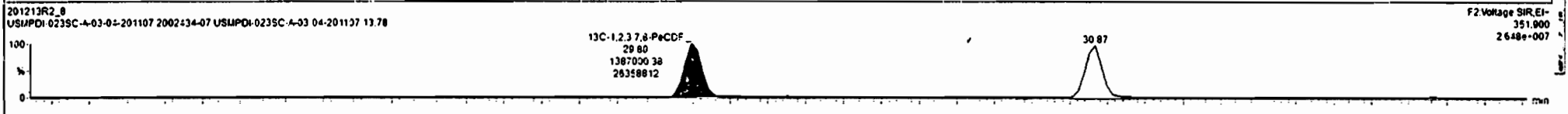
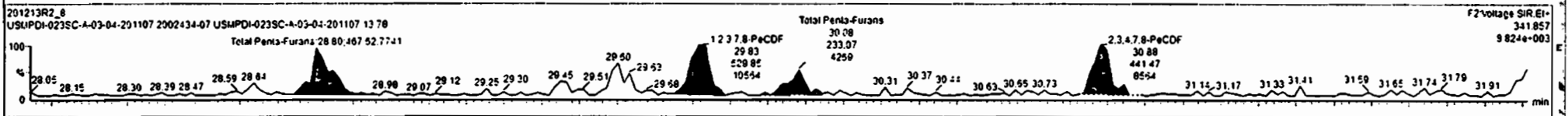
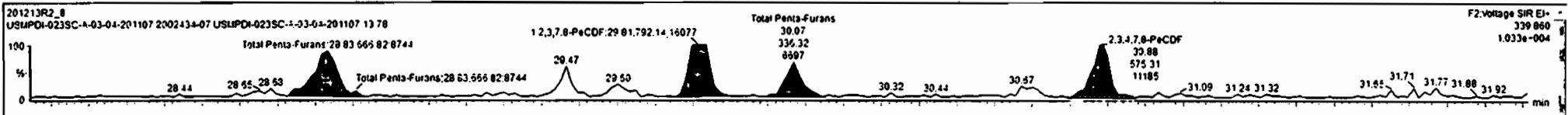


DPE2



Name	Resp	RA	n/y	RRF	wt/vol	RT	QRT	Conc.	%Rec	DL	EVPC
45	Total Penta-Furans			0.9597	16.001			0.294		0.0290	0.307

Name	RT	nt Resp	nQ Resp	RA	n/y	EVPC	Conc.
1	Total Penta-Furans	25.83	0.668e2	4.675e2	1.43	NO	0.12771
2	1,2,3,7,8-PeCDF	29.81	7.921e2	5.296e2	1.56	NO	0.12183
3	Total Penta-Furans	30.07	3.362e2	2.331e2	1.44	NO	0.024066
4	2,3,4,7,8-PeCDF	30.88	5.753e2	4.415e2	1.36	YES	0.063333



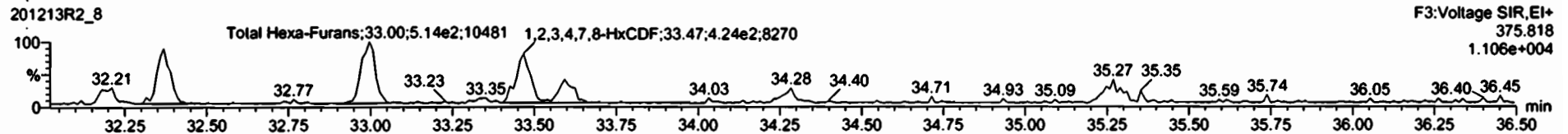
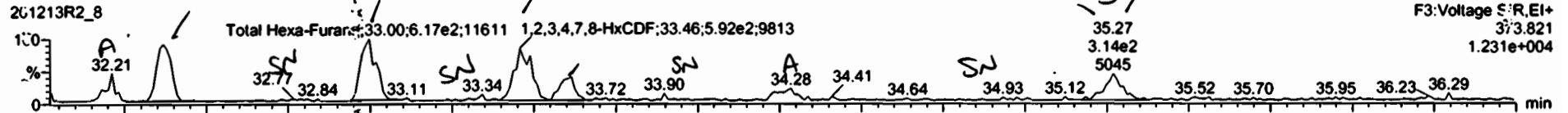
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

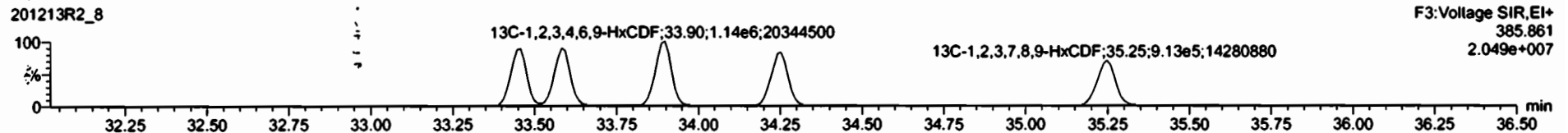
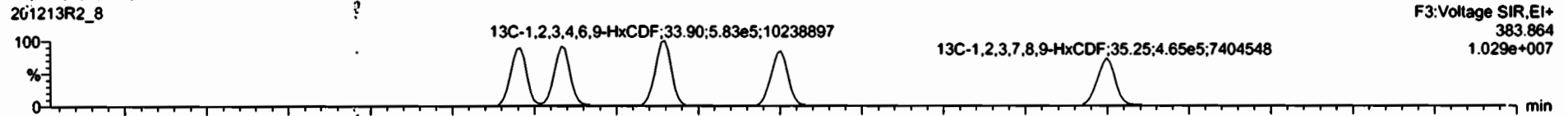
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

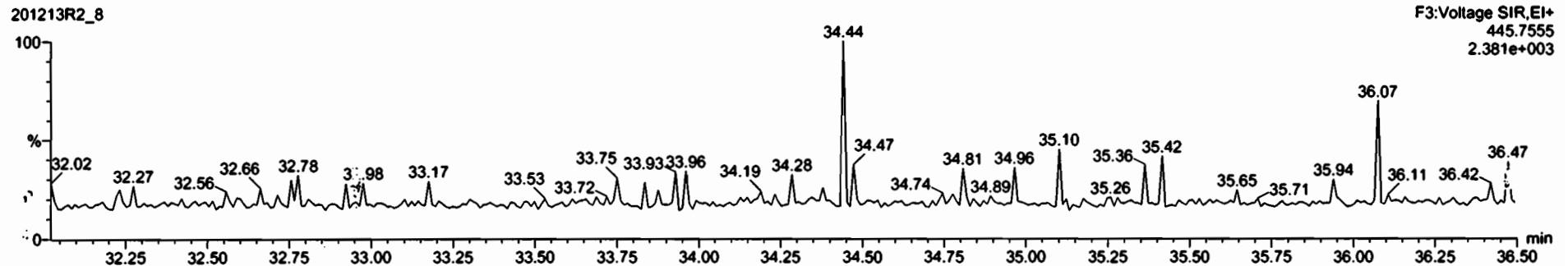
1,2,3,4,7,8-HxCDF

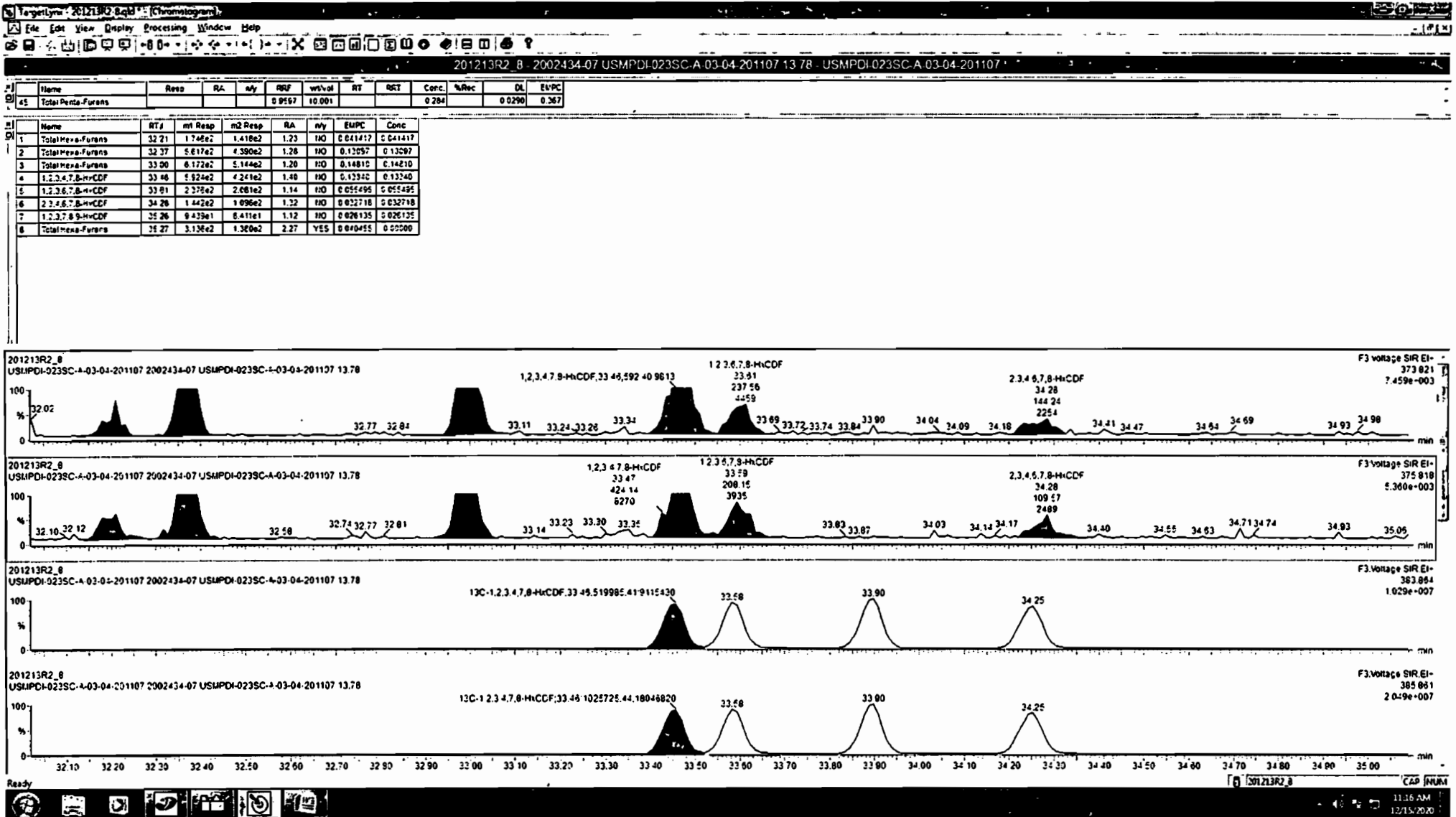


13C-1,2,3,4,7,8-HxCDF



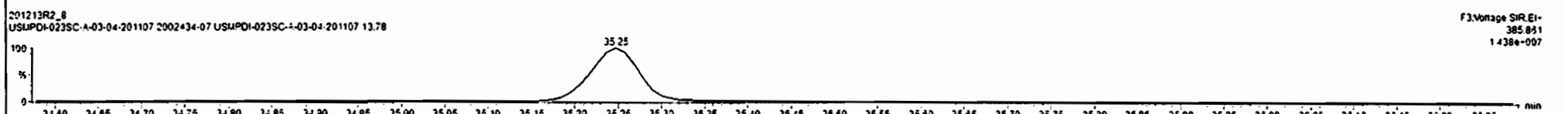
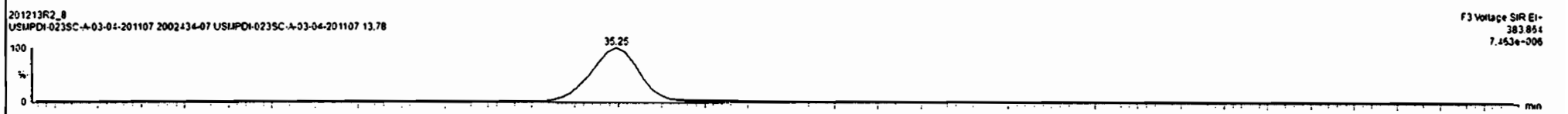
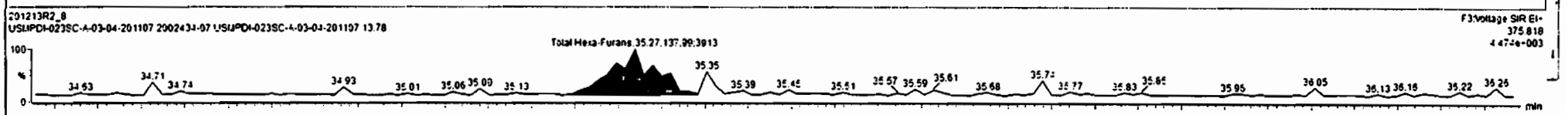
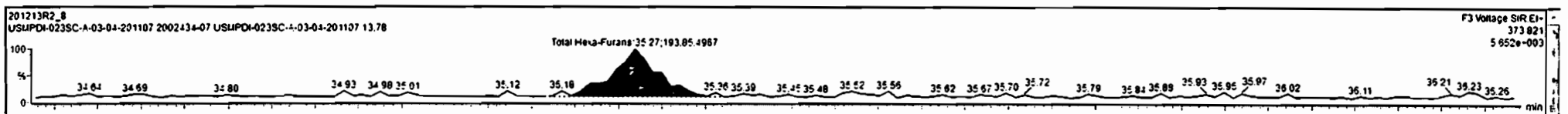
D1E3





#	Name	Resp	RA	nY	RF	wtVal	RT	QRT	Conc	%Rec	DL	EMPC
5	Total Hexa-Furans				0.9597	10.001			0.284		0.0290	0.367

#	Name	RT	m1 Resp	m2 Resp	RA	nY	EMPC	Conc
1	Total Hexa-Furans	32.21	1.745e2	1.418e2	1.23	HO	0.041417	0.041417
2	Total Hexa-Furans	32.37	5.617e2	4.390e2	1.28	HO	0.13257	0.13297
3	Total Hexa-Furans	33.00	6.172e2	5.144e2	1.20	HO	0.14810	0.14210
4	1,2,3,4,7,8-HxCDF	33.46	5.924e2	4.241e2	1.40	HO	0.13240	0.13240
5	1,2,3,6,7,8-HxCDF	33.81	2.376e2	2.001e2	1.14	HO	0.055495	0.055495
6	2,3,4,6,7,8-HxCDF	34.26	1.442e2	1.096e2	1.32	HO	0.032715	0.032715
7	1,2,3,7,8-HxCDF	35.26	9.435e1	8.411e1	1.12	HO	0.026135	0.026135
8	Total Hexa-Furans	35.27	1.955e2	1.360e2	1.40	HO	0.043432	0.043432



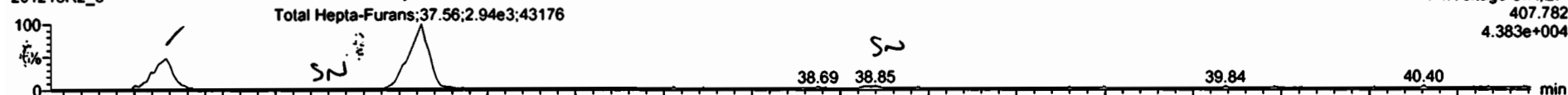
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107

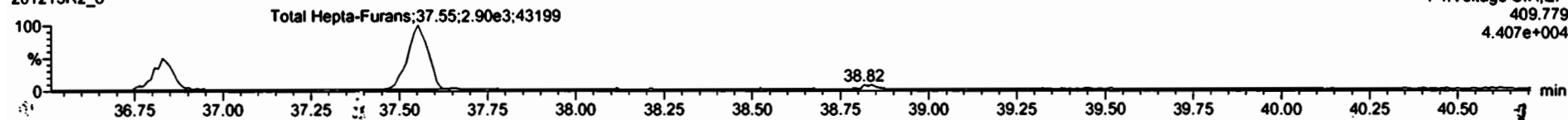
1,2,3,4,6,7,8-HpCDF

201213R2_8



F4: Voltage SIR, EI+
407.782
4.383e+004

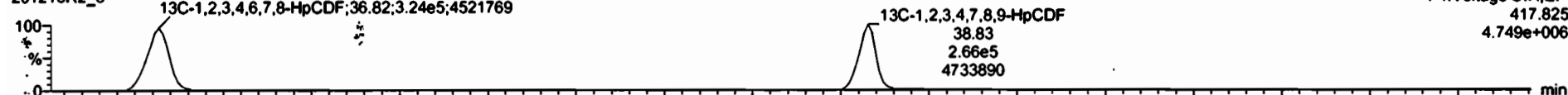
201213R2_8



F4: Voltage SIR, EI+
409.779
4.407e+004

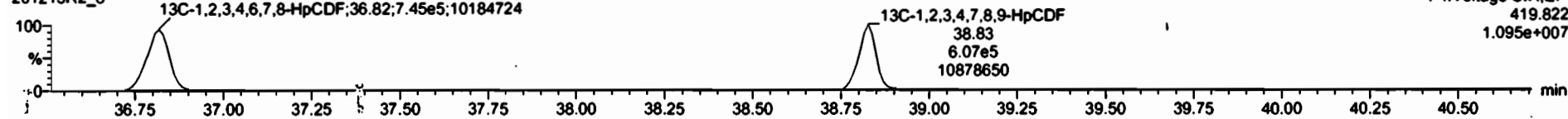
13C-1,2,3,4,6,7,8-HpCDF

201213R2_8



F4: Voltage SIR, EI+
417.825
4.749e+006

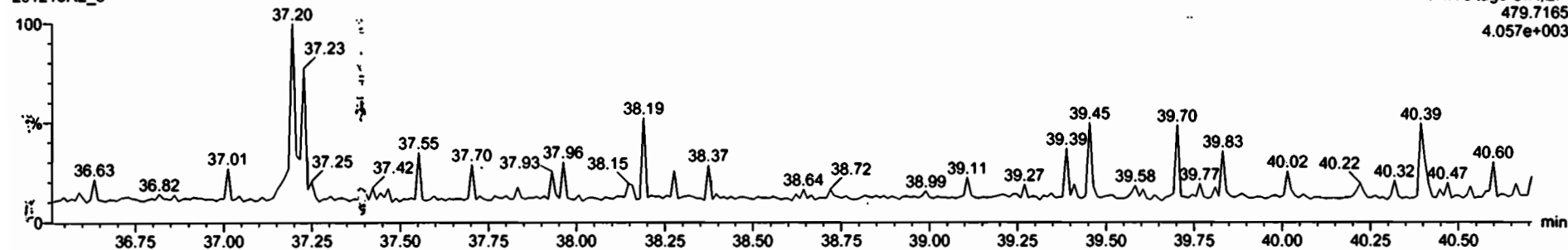
201213R2_8



F4: Voltage SIR, EI+
419.822
1.095e+007

DPE4

201213R2_8

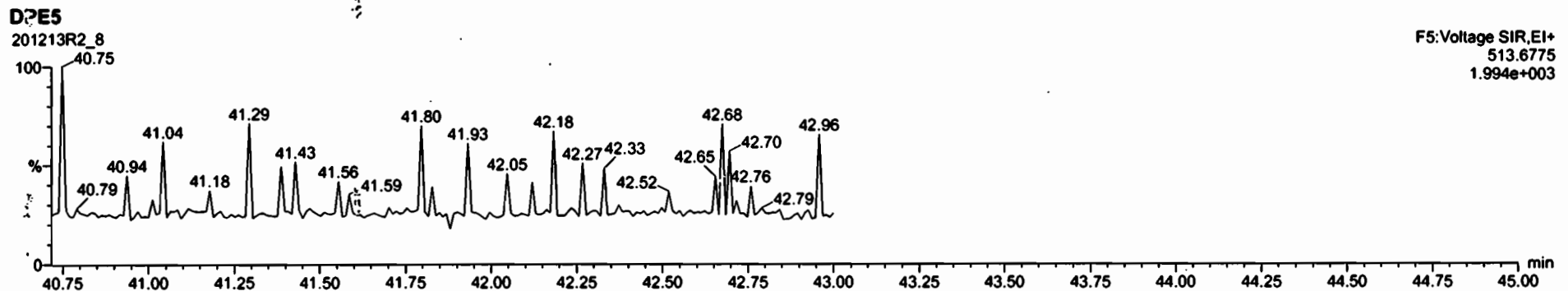
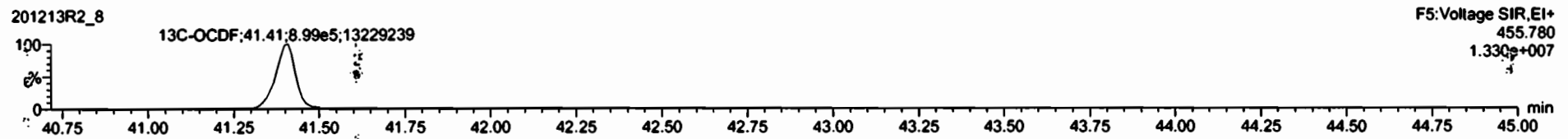
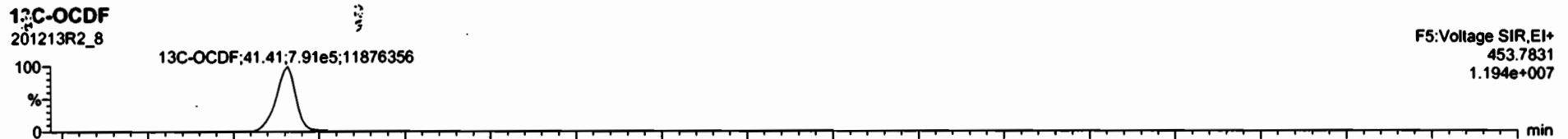
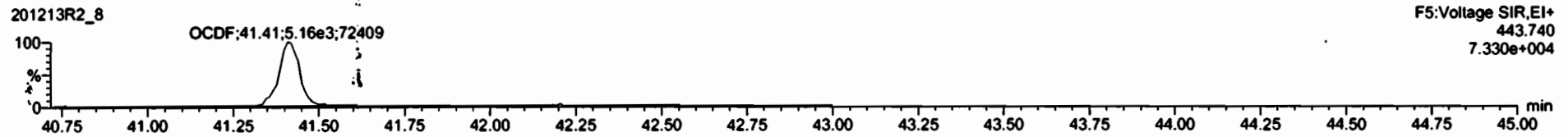
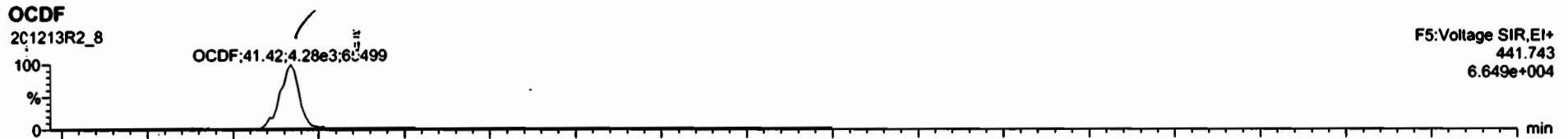


F4: Voltage SIR, EI+
479.7165
4.057e+003

Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

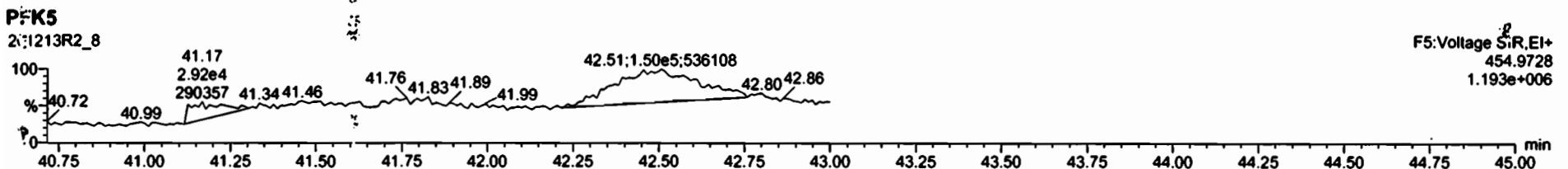
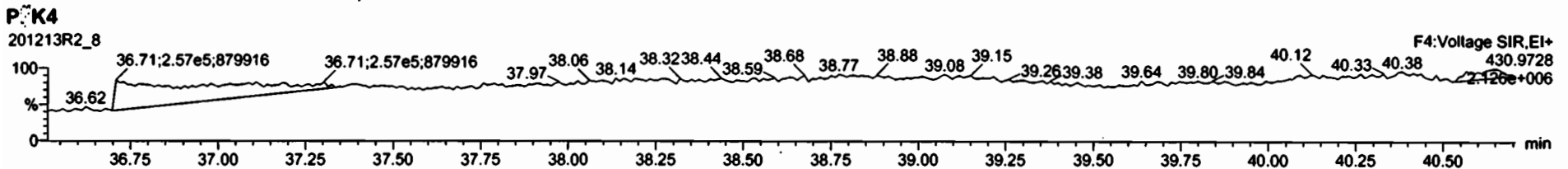
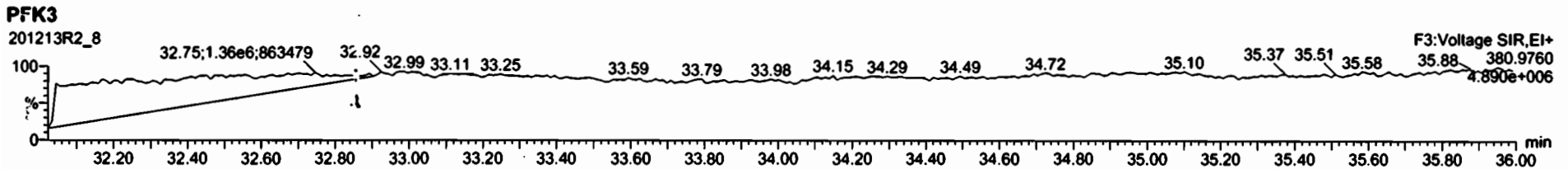
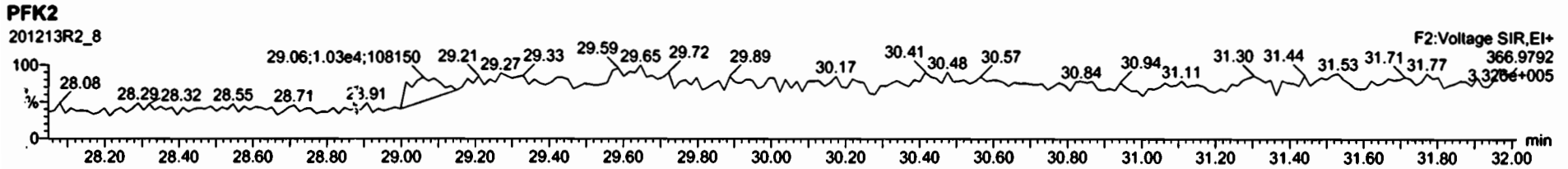
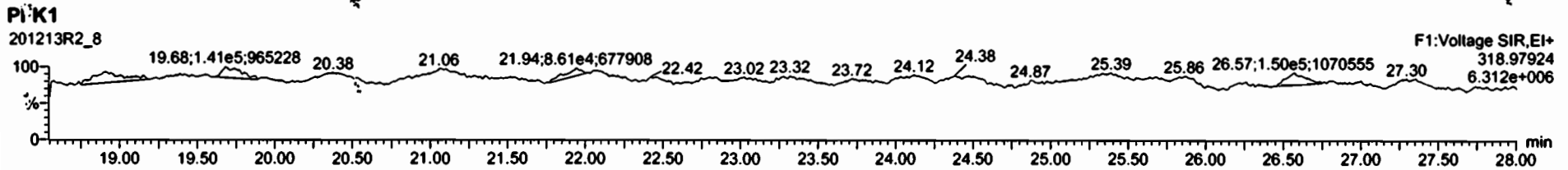
Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_8, Date: 13-Dec-2020, Time: 15:27:08, ID: 2002434-07 USMPDI-023SC-A-03-04-201107 13.78, Description: USMPDI-023SC-A-03-04-201107



Dataset: U:\VG12.PRO\Results\201213R2\201213R2-9.qld

Last Altered: Tuesday, December 15, 2020 11:34:38 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 11:35:24 AM Pacific Standard Time

GPB 12/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

ML 12/15/20

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DU	EMPC
1	2,3,7,8-TCDD			NO	0.980	10.030	26.396		1.001				0.0227	
2	1,2,3,7,8-PeCDD			NO	0.932	10.030	31.079		1.001				0.0477	
3	1,2,3,4,7,8-HxCDD			NO	1.02	10.030	34.368		1.001				0.0418	
4	1,2,3,6,7,8-HxCDD	4.68e2	1.31	NO	0.902	10.030	34.483	34.49	1.001	1.001	0.087166		0.0464	0.0872
5	1,2,3,7,8,9-HxCDD	1.21e3	1.06	NO	0.954	10.030	34.744	34.73	1.000	1.000	0.21486		0.0427	0.215
6	1,2,3,4,6,7,8-HpCDD	5.79e3	0.99	NO	0.918	10.030	38.211	38.21	1.000	1.000	1.3165		0.0678	1.32
7	OCDD	4.29e4	0.87	NO	0.866	10.030	41.102	41.10	1.000	1.000	14.496		0.127	14.5
8	2,3,7,8-TCDF	5.40e2	0.80	NO	0.848	10.030	25.672	25.70	1.000	1.001	0.050077		0.0121	0.0501
9	1,2,3,7,8-PeCDF	6.42e2	1.63	NO	0.960	10.030	29.799	29.80	1.000	1.000	0.063846		0.0208	0.0638
10	2,3,4,7,8-PeCDF	3.81e2	1.46	NO	1.07	10.030	30.874	30.87	1.001	1.000	0.037164		0.0196	0.0372
11	1,2,3,4,7,8-HxCDF	3.77e2	1.28	NO	0.986	10.030	33.446	33.45	1.000	1.000	0.055445		0.0211	0.0554
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.030	33.592		1.001				0.0210	
13	2,3,4,6,7,8-HxCDF			NO	1.02	10.030	34.253		1.001				0.0232	
14	1,2,3,7,8,9-HxCDF	3.17e2	1.04	YES	0.991	10.030	35.248	35.24	1.000	1.000	0.050802		0.0273	0.0469
15	1,2,3,4,6,7,8-HpCDF			NO	1.05	10.030	36.813		1.000				0.0279	
16	1,2,3,4,7,8,9-HpCDF			NO	1.18	10.030	38.828		1.000				0.0226	
17	OCDF	2.80e2	1.28	YES	0.896	10.030	41.396	41.39	1.000	1.000	0.082171		0.0269	0.0682
18	13C-2,3,7,8-TCDD	1.80e6	0.78	NO	1.06	10.030	26.368	26.36	1.030	1.030	193.46	97.0	0.0735	
19	13C-1,2,3,7,8-PeCDD	1.39e6	0.64	NO	0.785	10.030	31.211	31.05	1.219	1.213	201.02	101	0.118	
20	13C-1,2,3,4,7,8-HxCDD	1.07e6	1.27	NO	0.621	10.030	34.337	34.35	1.014	1.014	219.04	110	0.282	
21	13C-1,2,3,6,7,8-HxCDD	1.19e6	1.29	NO	0.734	10.030	34.459	34.46	1.017	1.017	206.21	103	0.238	
22	13C-1,2,3,7,8,9-HxCDD	1.18e6	1.25	NO	0.723	10.030	34.743	34.73	1.026	1.025	208.45	105	0.242	
23	13C-1,2,3,4,6,7,8-HpCDD	9.56e5	1.03	NO	0.568	10.030	38.243	38.20	1.129	1.128	214.65	108	0.692	
24	13C-OCDD	1.36e6	0.90	NO	0.496	10.030	41.180	41.09	1.216	1.213	350.54	87.9	0.388	
25	13C-2,3,7,8-TCDF	2.54e6	0.78	NO	0.919	10.030	25.667	25.67	1.003	1.003	195.43	98.0	0.102	
26	13C-1,2,3,7,8-PeCDF	2.09e6	1.62	NO	0.715	10.030	29.921	29.80	1.169	1.164	206.79	104	0.219	
27	13C-2,3,4,7,8-PeCDF	1.91e6	1.60	NO	0.689	10.030	31.008	30.85	1.212	1.205	196.65	98.6	0.227	
28	13C-1,2,3,4,7,8-HxCDF	1.38e6	0.51	NO	0.873	10.030	33.442	33.44	0.987	0.987	200.78	101	0.303	
29	13C-1,2,3,6,7,8-HxCDF	1.37e6	0.51	NO	0.933	10.030	33.571	33.57	0.991	0.991	186.65	93.6	0.283	
30	13C-2,3,4,6,7,8-HxCDF	1.33e6	0.51	NO	0.843	10.030	34.238	34.23	1.011	1.011	200.46	101	0.314	
31	13C-1,2,3,7,8,9-HxCDF	1.25e6	0.51	NO	0.780	10.030	35.238	35.24	1.040	1.040	204.97	103	0.339	

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-9.qld

Last Altered: Tuesday, December 15, 2020 11:34:38 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 11:35:24 AM Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

#	Name	Resp	RA	Ln/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	9.16e5	0.43	NO	0.726	10.030	36.813	36.79	1.087	1.086	160.76	80.6	0.362	
33	13C-1,2,3,4,7,8,9-HpCDF	7.74e5	0.43	NO	0.491	10.030	38.822	38.82	1.146	1.146	200.93	101	0.535	
34	13C-OCDF	1.52e6	0.87	NO	0.565	10.030	41.396	41.39	1.222	1.222	341.77	85.7	0.420	
35	37Cl-2,3,7,8-TCDD	8.60e5			1.22	10.030	26.363	26.38	1.030	1.031	80.236	101	0.0168	
36	13C-1,2,3,4-TCDD	1.76e6	0.78	NO	1.00	10.030	25.640	25.59	1.000	1.000	199.40	100	0.0776	
37	13C-1,2,3,4-TCDF	2.82e6	0.79	NO	1.00	10.030	24.130	24.10	1.000	1.000	199.40	100	0.0938	
38	13C-1,2,3,4,6,9-HxCDF	1.56e6	0.51	NO	1.00	10.030	33.920	33.88	1.000	1.000	199.40	100	0.264	
39	Total Tetra-Dioxins				0.980	10.030	24.620		0.000		0.31254		0.0227	0.480
40	Total Penta-Dioxins				0.932	10.030	29.960		0.000		0.41641		0.0477	0.490
41	Total Hexa-Dioxins				0.902	10.030	33.635		0.000		2.2474		0.0462	2.25
42	Total Hepta-Dioxins				0.918	10.030	37.640		0.000		3.8364		0.0678	3.84
43	Total Tetra-Furans				0.848	10.030	23.610		0.000		0.14717		0.0121	0.147
44	1st Func. Penta-Furans				0.960	10.030	26.930		0.000				0.00344	
45	Total Penta-Furans				0.960	10.030	29.275		0.000		0.10101		0.0213	0.139
46	Total Hexa-Furans				1.02	10.030	33.555		0.000		0.083726		0.0228	0.177
47	Total Hepta-Furans				1.05	10.030	37.835		0.000				0.0148	

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-9.qld
 Last Altered: Tuesday, December 15, 2020 11:34:38 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 11:35:24 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
 Calibration: U:\VG12.PRO\CurveDB\idbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.93	1.315e3	2.204e3	1.202e2	1.666e2	0.72	NO	2.869e2	0.032447	0.032447	0.0227
Total Tetra-Dioxins	23.47	3.340e3	3.097e3	1.733e2	1.948e2	0.89	YES	0.000e0	0.00000	0.038988	0.0227
Total Tetra-Dioxins	24.29	1.586e4	1.726e4	1.026e3	1.451e3	0.71	NO	2.476e3	0.28009	0.28009	0.0227
Total Tetra-Dioxins	25.71	8.441e3	8.568e3	5.858e2	4.573e2	1.28	YES	0.000e0	0.00000	0.091551	0.0227
Total Tetra-Dioxins	27.27	1.858e3	3.362e3	1.307e2	1.965e2	0.67	NO	0.000e0	0.00000	0.037011	0.0227

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	28.82	4.479e3	6.081e3	2.590e2	4.181e2	0.62	NO	6.771e2	0.10430	0.10430	0.0477
Total Penta-Dioxins	29.28	6.967e3	1.101e4	4.159e2	6.179e2	0.67	NO	1.034e3	0.15926	0.15926	0.0477
Total Penta-Dioxins	29.78	9.444e3	4.833e3	5.105e2	2.935e2	1.74	YES	0.000e0	0.00000	0.073700	0.0477
Total Penta-Dioxins	30.29	5.531e3	1.049e4	3.621e2	6.301e2	0.57	NO	9.922e2	0.15284	0.15284	0.0477

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	32.72	7.216e4	5.318e4	3.514e3	2.674e3	1.31	NO	6.188e3	1.1940	1.1940	0.0462
Total Hexa-Dioxins	33.31	4.603e3	3.191e3	2.365e2	1.765e2	1.34	NO	4.131e2	0.079697	0.079697	0.0462
Total Hexa-Dioxins	33.61	2.712e4	1.909e4	1.844e3	1.365e3	1.35	NO	3.209e3	0.61913	0.61913	0.0462
Total Hexa-Dioxins	33.71	2.913e3	2.283e3	1.422e2	1.304e2	1.09	NO	2.726e2	0.052604	0.052604	0.0462
1,2,3,6,7,8-HxCDD	34.49	4.795e3	3.618e3	2.654e2	2.030e2	1.31	NO	4.685e2	0.087166	0.087166	0.0464
1,2,3,7,8,9-HxCDD	34.73	9.825e3	1.052e4	6.261e2	5.889e2	1.06	NO	1.215e3	0.21486	0.21486	0.0427

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	37.21	7.976e4	7.388e4	5.671e3	5.420e3	1.05	NO	1.109e4	2.5199	2.5199	0.0678
1,2,3,4,6,7,8-HpCDD	38.21	5.680e4	5.126e4	2.880e3	2.914e3	0.99	NO	5.795e3	1.3165	1.3165	0.0678

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-9.qld

Last Altered: Tuesday, December 15, 2020 11:34:38 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 11:35:24 AM Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Tetra-Furans	21.69	3.328e3	3.506e3	2.393e2	3.137e2	0.76	NO	5.530e2	0.051234	0.051234	0.0121
2 Total Tetra-Furans	24.68	3.756e3	4.103e3	2.223e2	2.726e2	0.82	NO	4.949e2	0.045857	0.045857	0.0121
3 2,3,7,8-TCDF	25.70	3.806e3	4.538e3	2.401e2	3.004e2	0.80	NO	5.405e2	0.050077	0.050077	0.0121

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 Total Penta-Furans	28.83	3.801e3	4.913e3	2.235e2	2.250e2	0.99	YES	0.000e0	0.00000	0.038178	0.0213
2 1,2,3,7,8-PeCDF	29.80	7.717e3	5.141e3	3.982e2	2.439e2	1.63	NO	6.421e2	0.063846	0.063846	0.0208
3 2,3,4,7,8-PeCDF	30.87	6.746e3	2.717e3	2.259e2	1.546e2	1.46	NO	3.806e2	0.037164	0.037164	0.0196

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Furans	32.37	2.444e3	1.787e3	1.130e2	7.948e1	1.42	NO	1.925e2	0.028281	0.028281	0.0228
2 Total Hexa-Furans	32.99	2.106e3	3.337e3	1.087e2	1.222e2	0.89	YES	0.000e0	0.00000	0.028850	0.0228
3 1,2,3,4,7,8-HxCDF	33.45	5.700e3	3.744e3	2.118e2	1.653e2	1.28	NO	3.771e2	0.055445	0.055445	0.0211
4 1,2,3,7,8,9-HxCDF	35.24	3.124e3	4.845e3	1.617e2	1.549e2	1.04	YES	3.166e2	0.00000	0.046873	0.0273
5 Total Hexa-Furans	35.28	2.224e3	2.443e3	6.888e1	4.998e1	1.38	NO	0.000e0	0.00000	0.017461	0.0228

Hepta-Furans

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

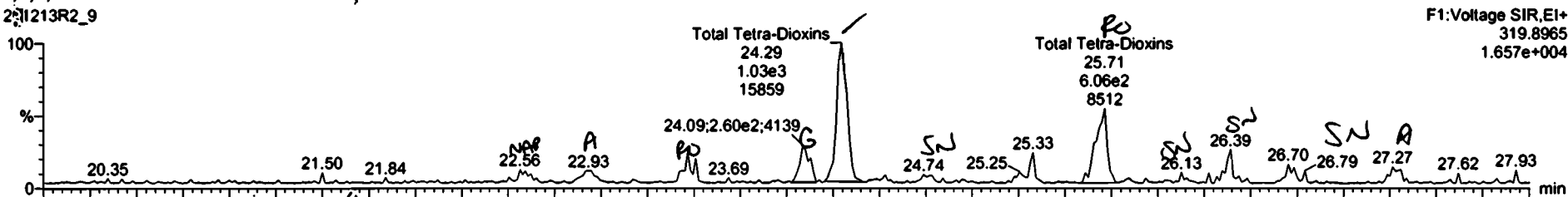
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

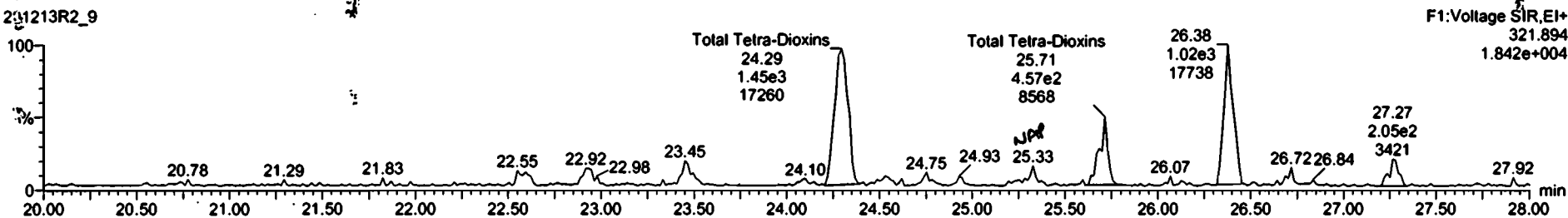
Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

2,3,7,8-TCDD

201213R2_9



201213R2_9

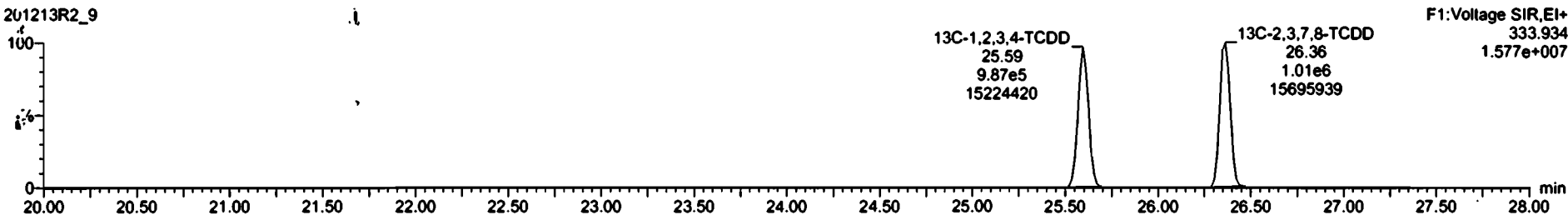


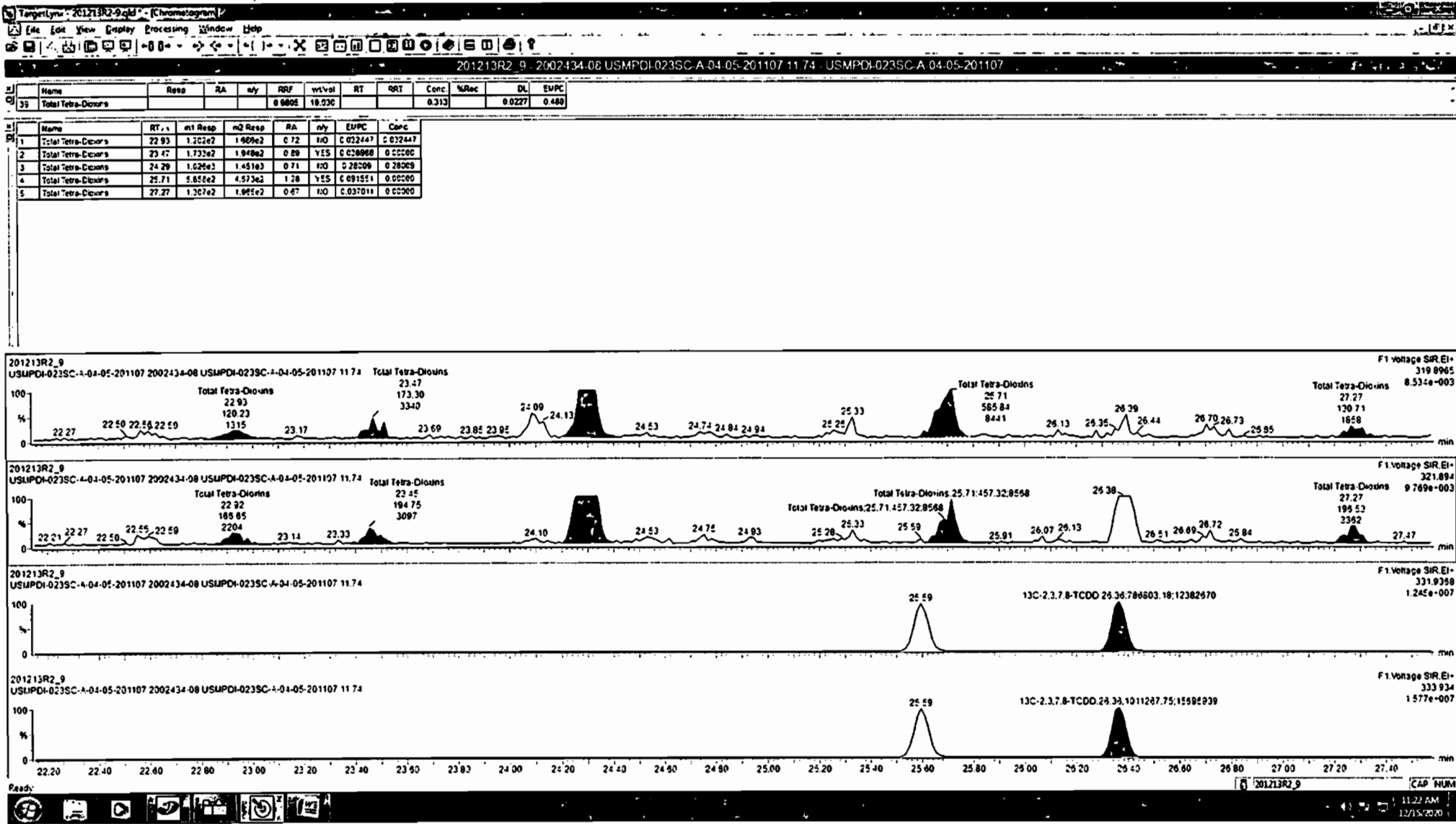
13C-2,3,7,8-TCDD

201213R2_9



201213R2_9





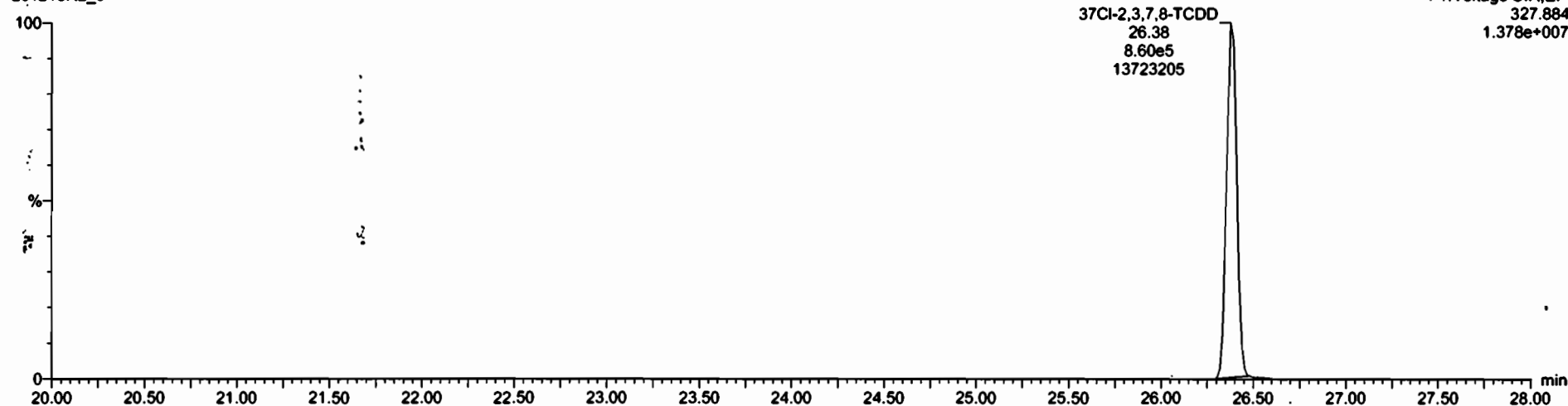
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

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

201213R2_9

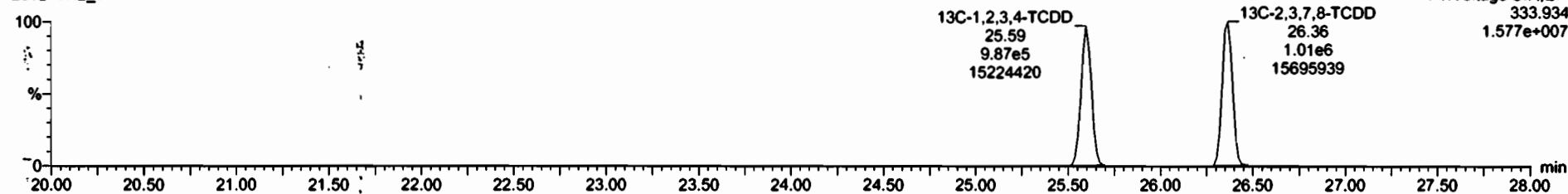


13C-1,2,3,4-TCDD

201213R2_9



201213R2_9



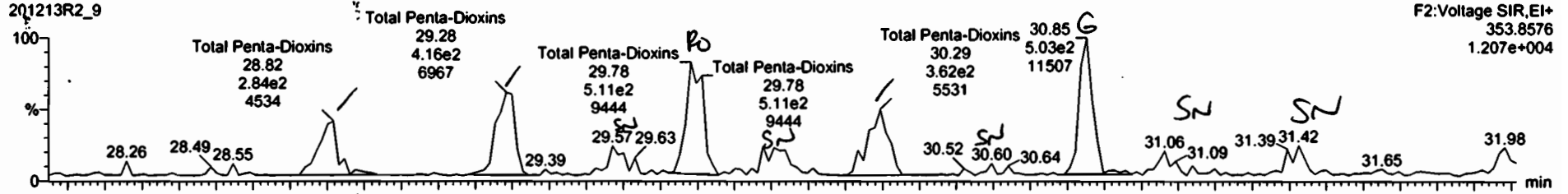
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

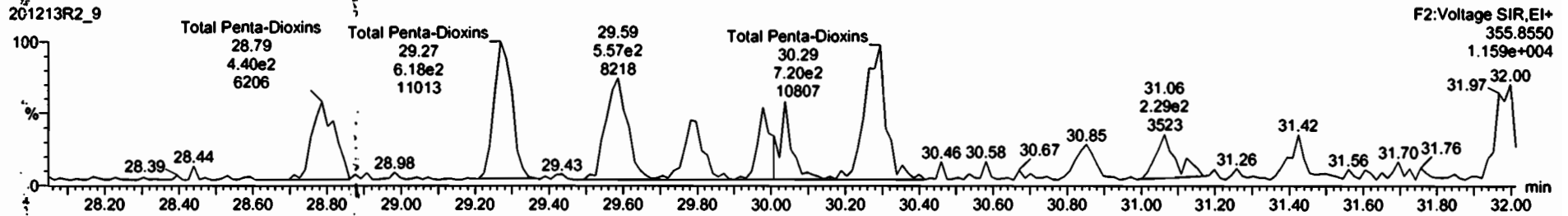
Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

1,2,3,7,8-PeCDD

201213R2_9



201213R2_9

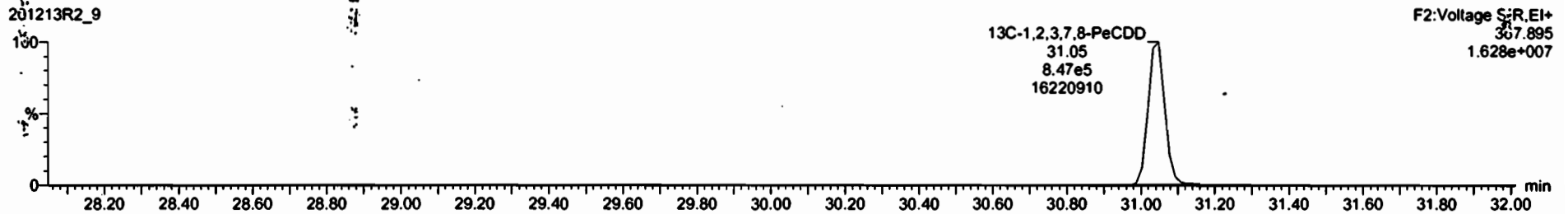


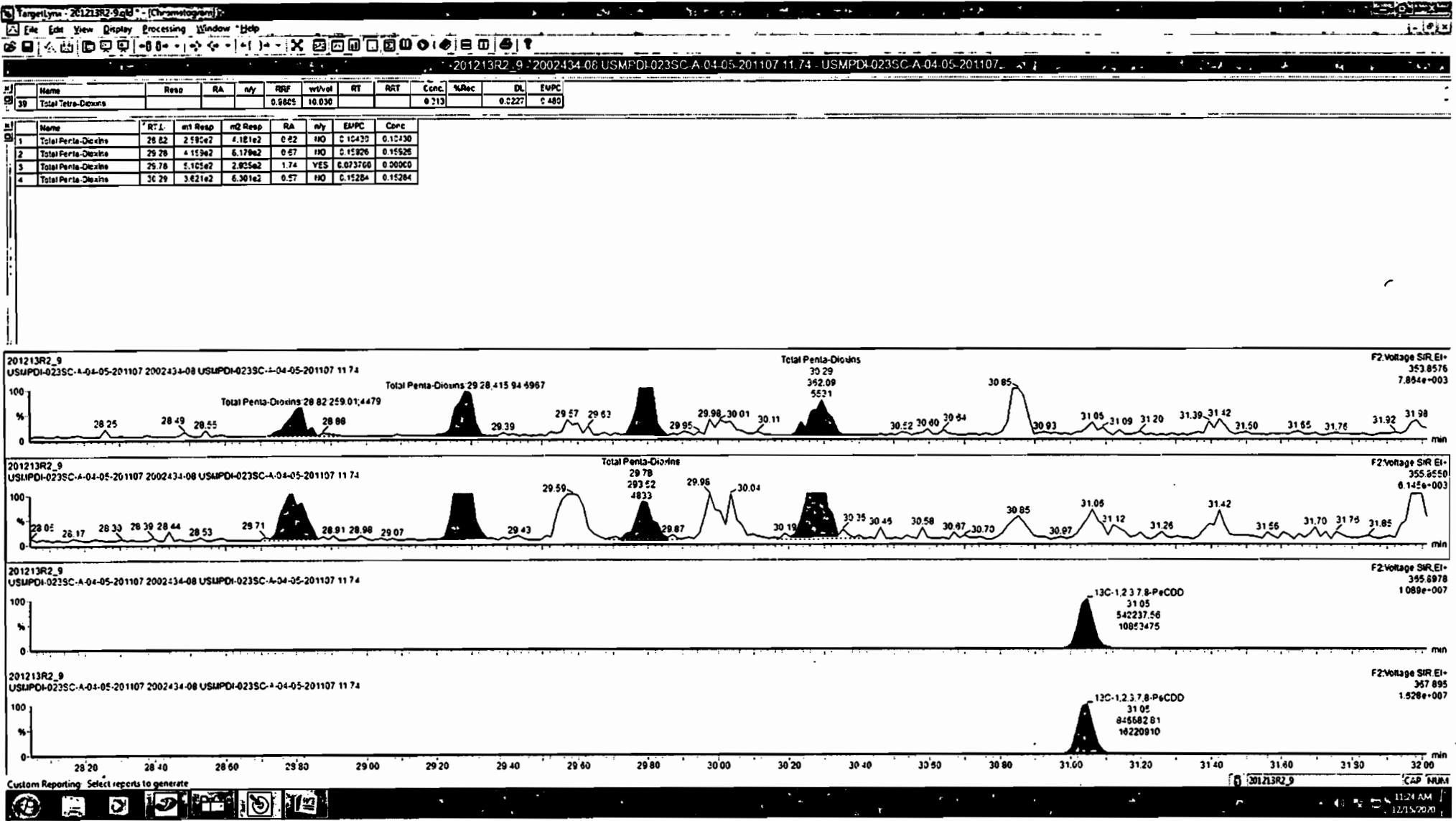
13C-1,2,3,7,8-PeCDD

201213R2_9



201213R2_9



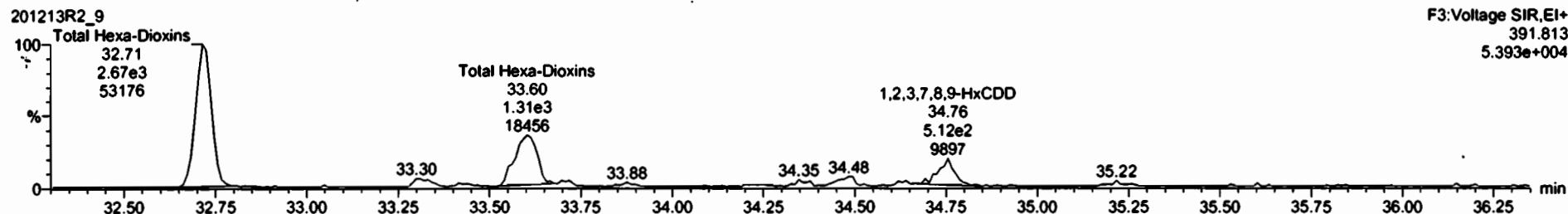
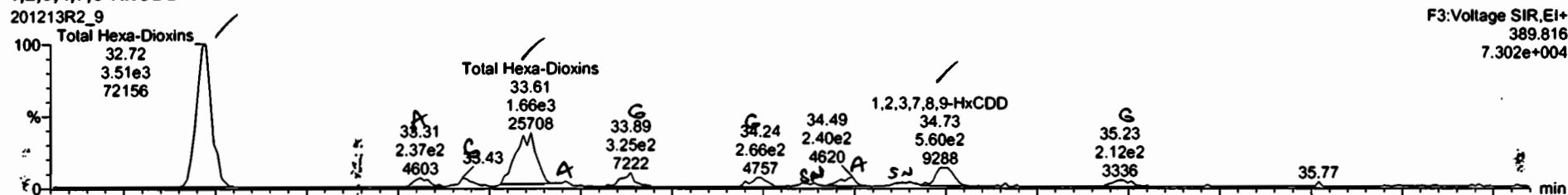


Dataset: Untitled

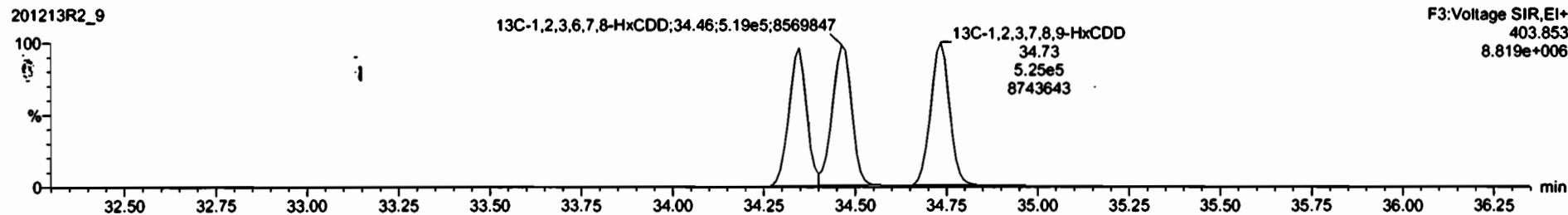
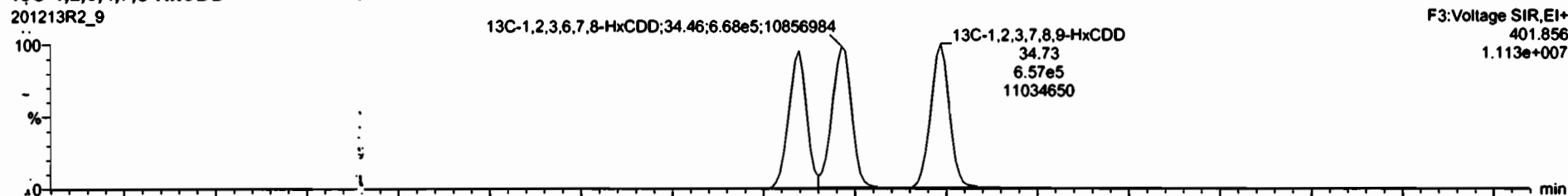
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

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

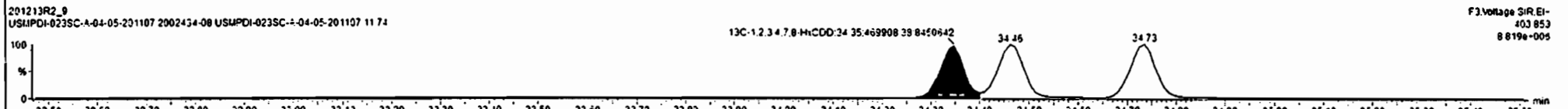
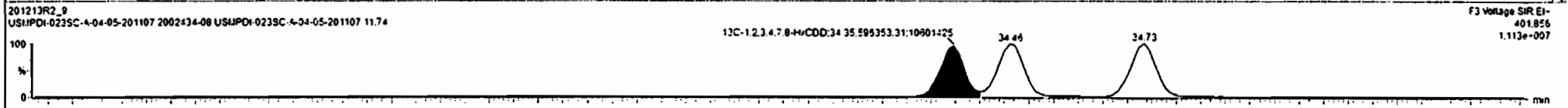
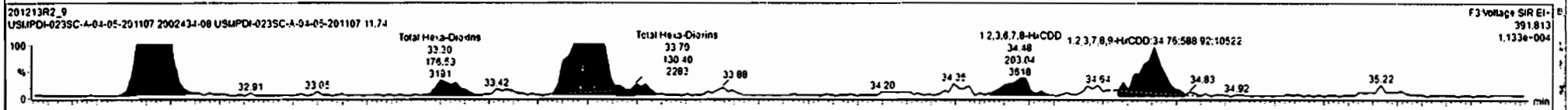
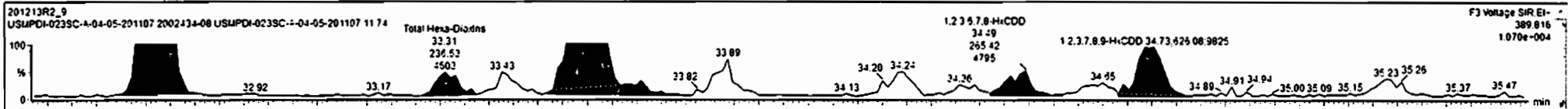


13C-1,2,3,4,7,8-HxCDD



Name	Resp	RA	n1	n2	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
#1 Total Hexa-Chlorine					0.0025	10.030		2.25		0.0482	2.25

Name	RT1	wt Resp	n2 Resp	RA	n1	EMPC	Conc
1 Total Hexa-Chlorine	32.72	3.514e3	2.874e2	1.21	HO	1.1940	1.1940
2 Total Hexa-Chlorine	33.31	2.365e2	1.775e2	1.34	HO	0.079657	0.079657
3 Total Hexa-Chlorine	33.81	1.844e2	1.365e2	1.35	HO	0.618113	0.618113
4 Total Hexa-Chlorine	33.71	1.422e2	1.304e2	1.09	HO	0.052604	0.052604
5 1,2,3,6,7,8-HxCDD	34.49	2.654e2	2.020e2	1.31	HO	0.087166	0.087166
6 1,2,3,7,8,9-HxCDD	34.73	6.261e2	5.089e2	1.06	HO	0.21486	0.21486



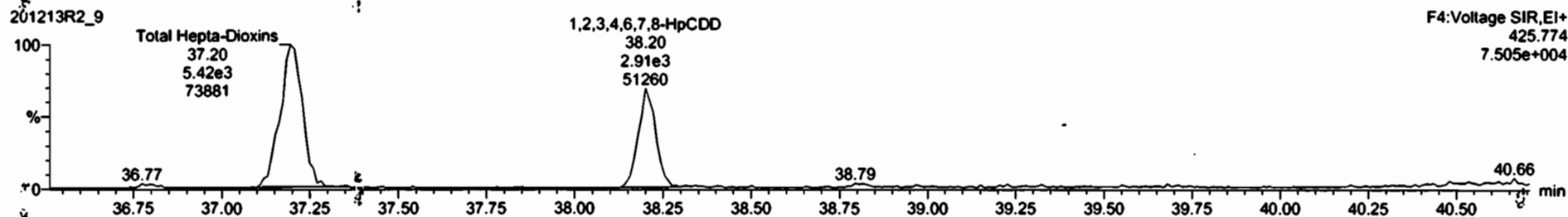
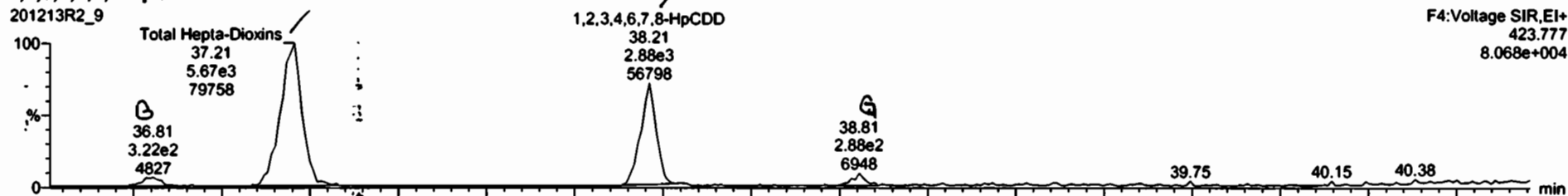
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

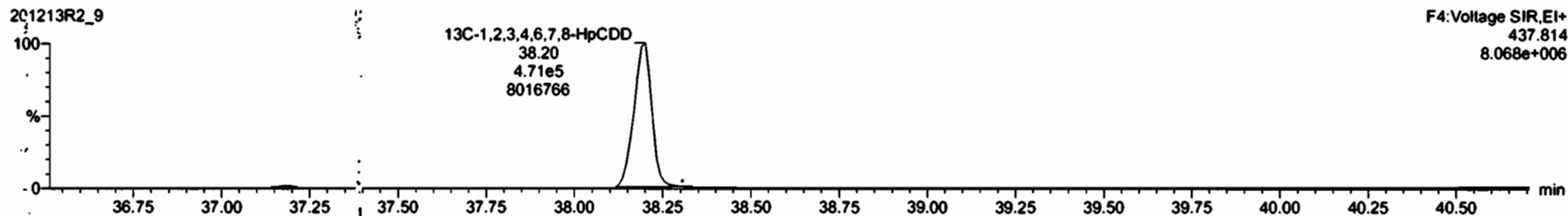
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

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



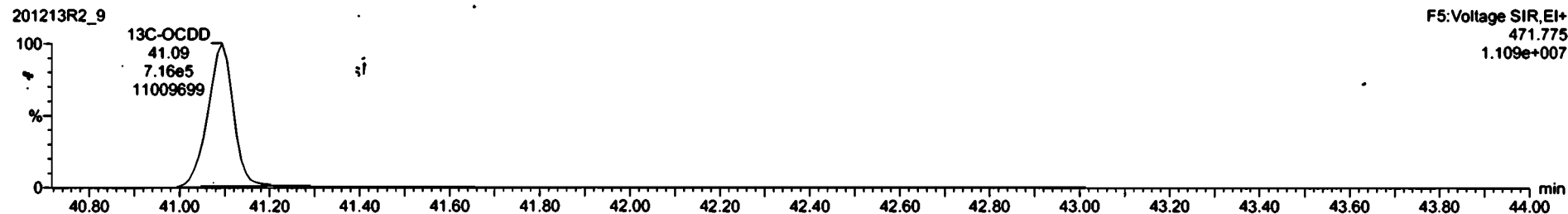
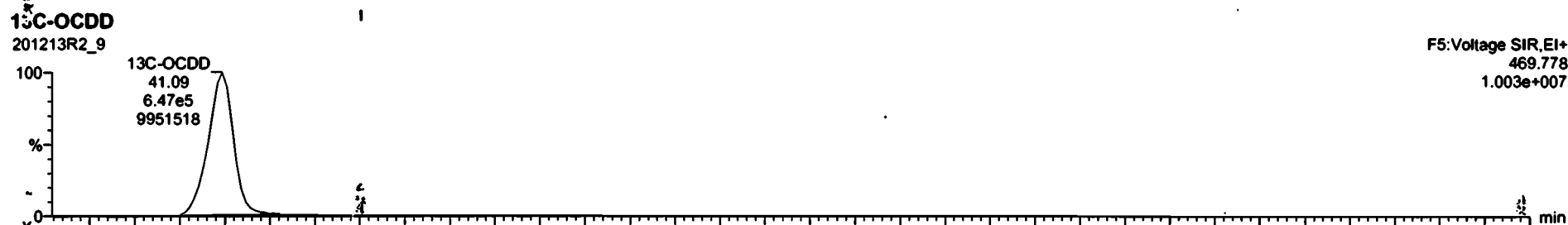
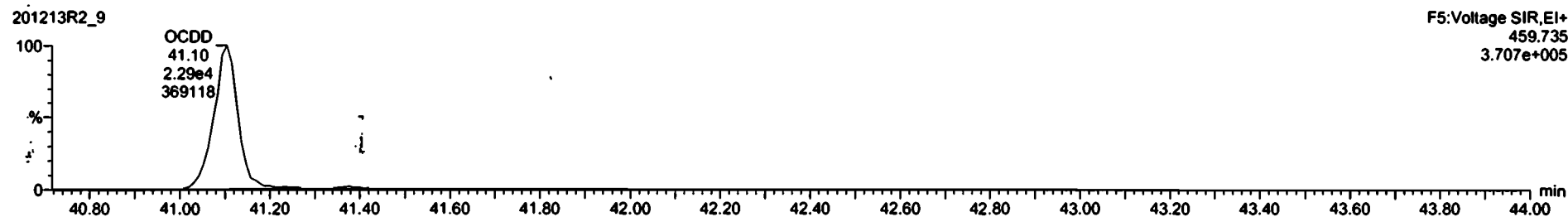
13C-1,2,3,4,6,7,8-HpCDD



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107



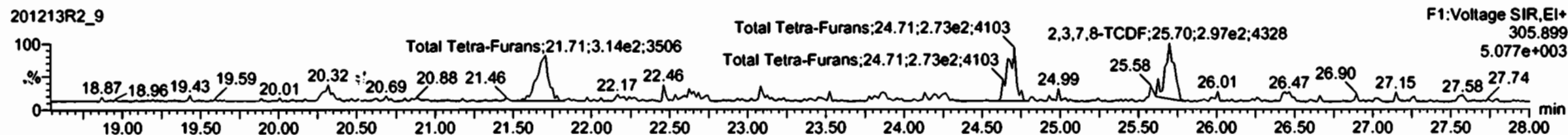
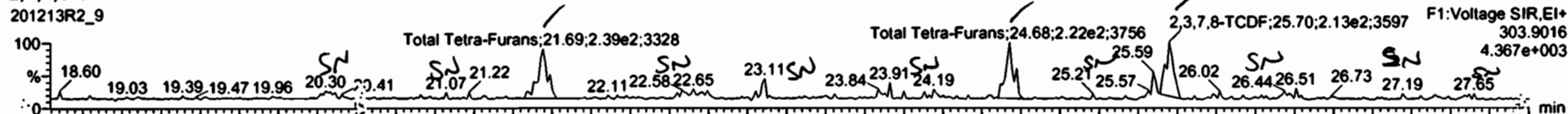
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

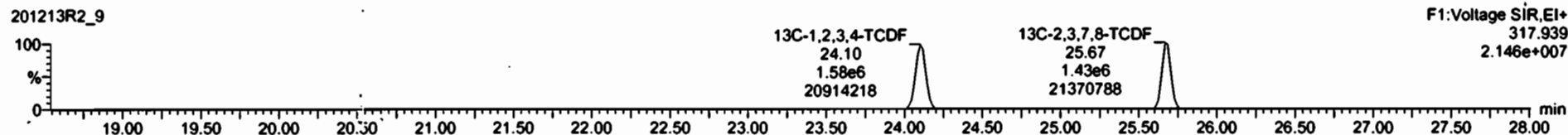
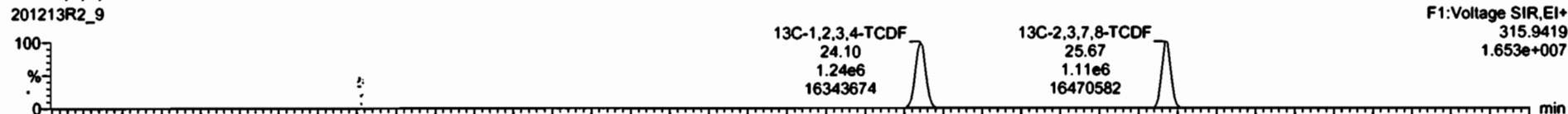
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

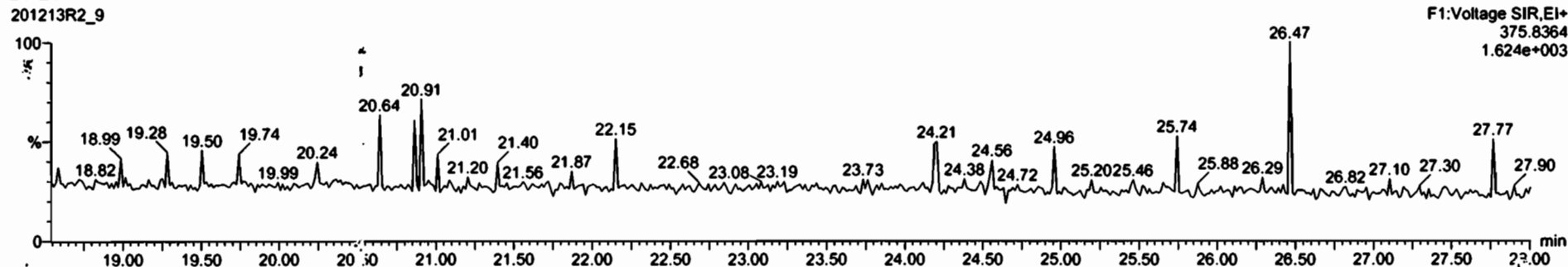
2,3,7,8-TCDF

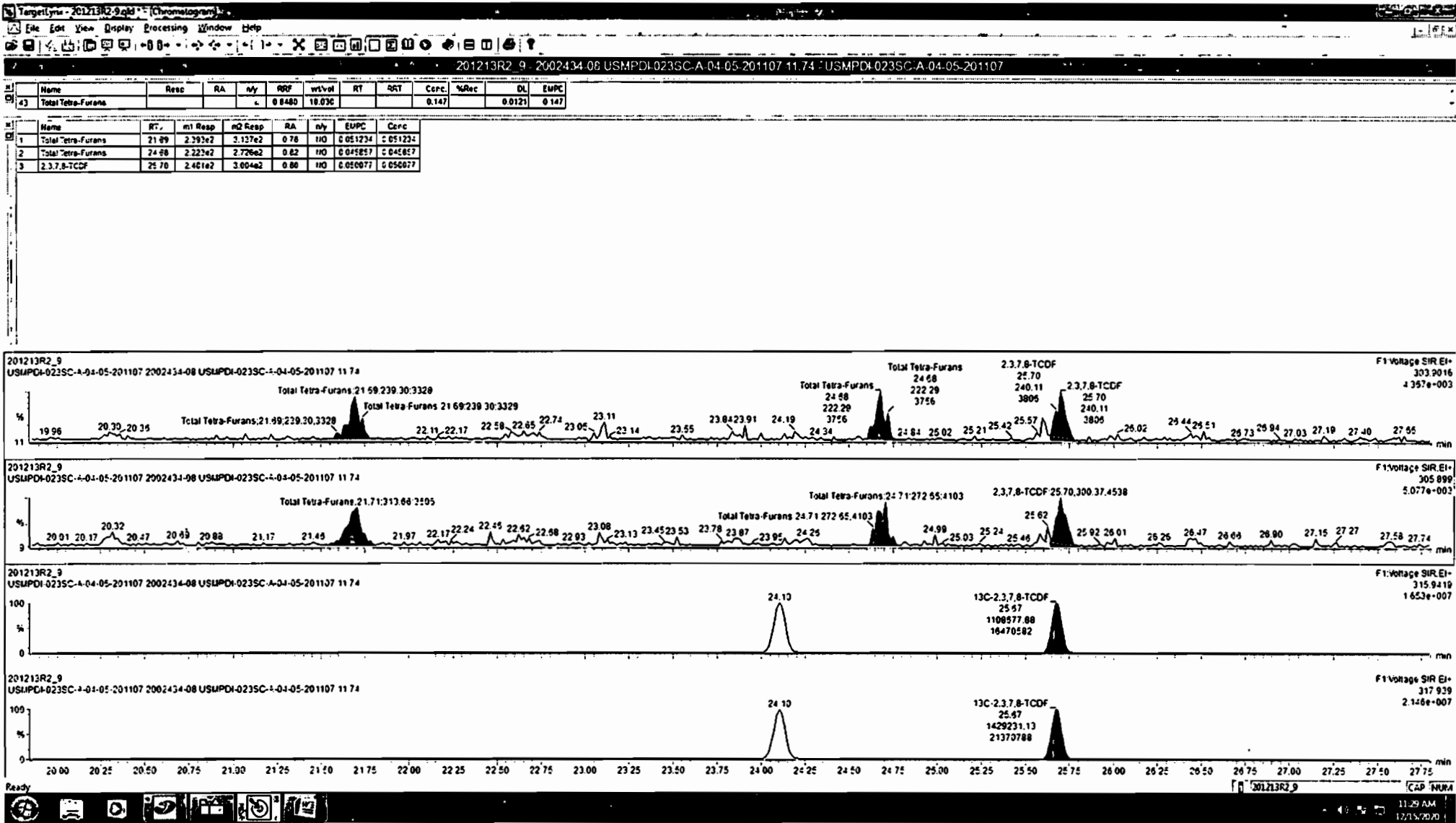


13C-2,3,7,8-TCDF



DPE1





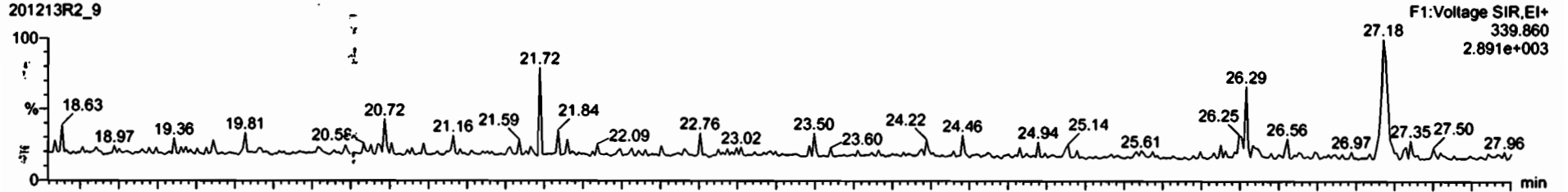
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

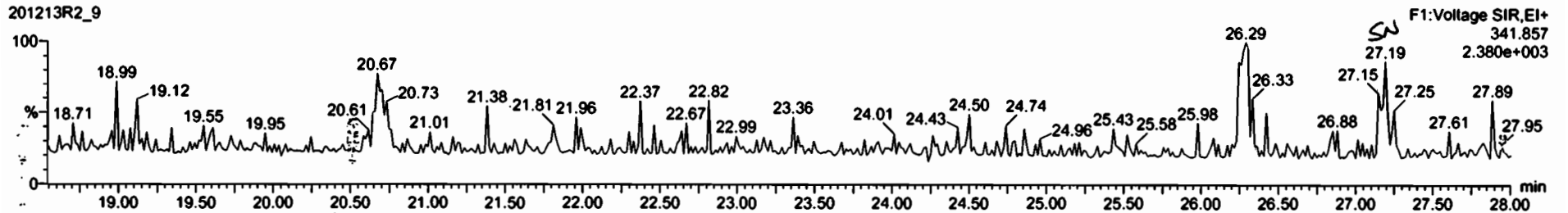
Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

1st Func. Penta-Furans

201213R2_9

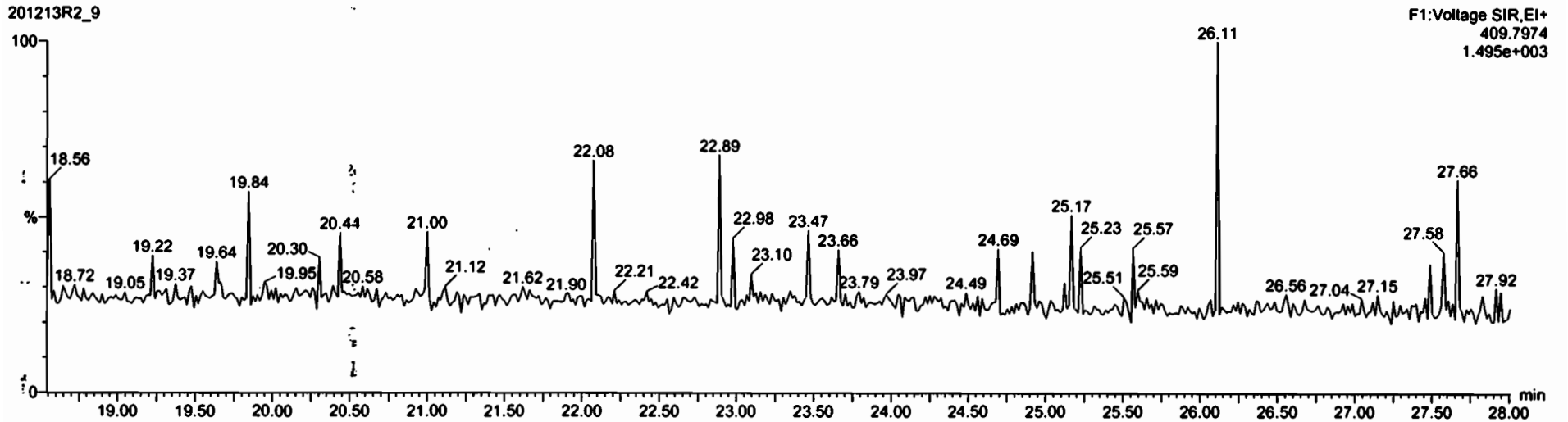


201213R2_9



DPE6

201213R2_9

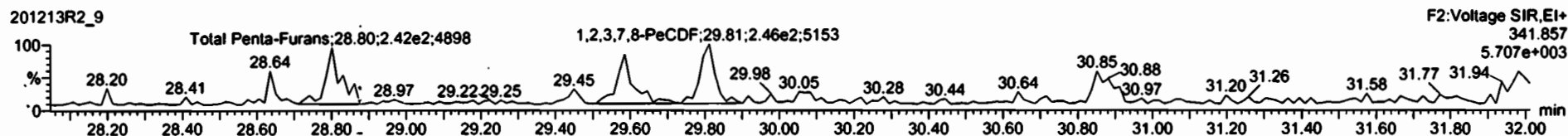
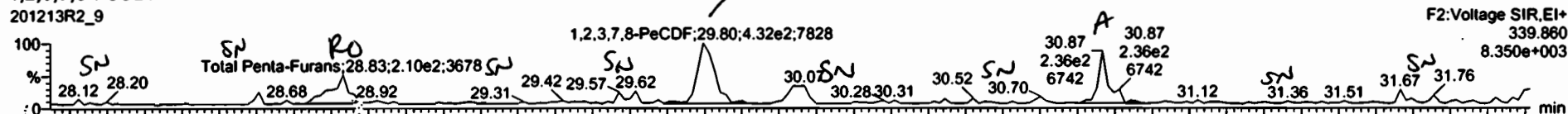


Dataset: Untitled

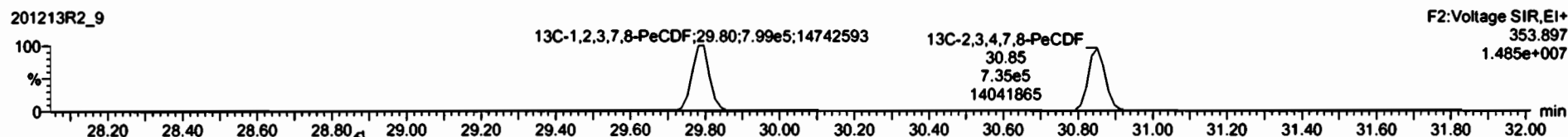
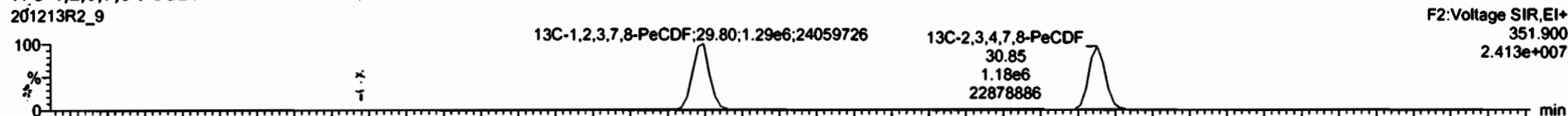
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

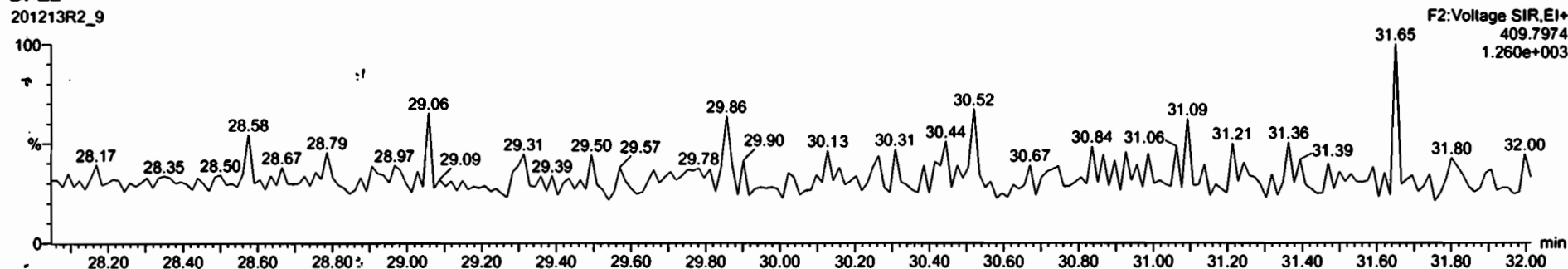
1,2,3,7,8-PeCDF

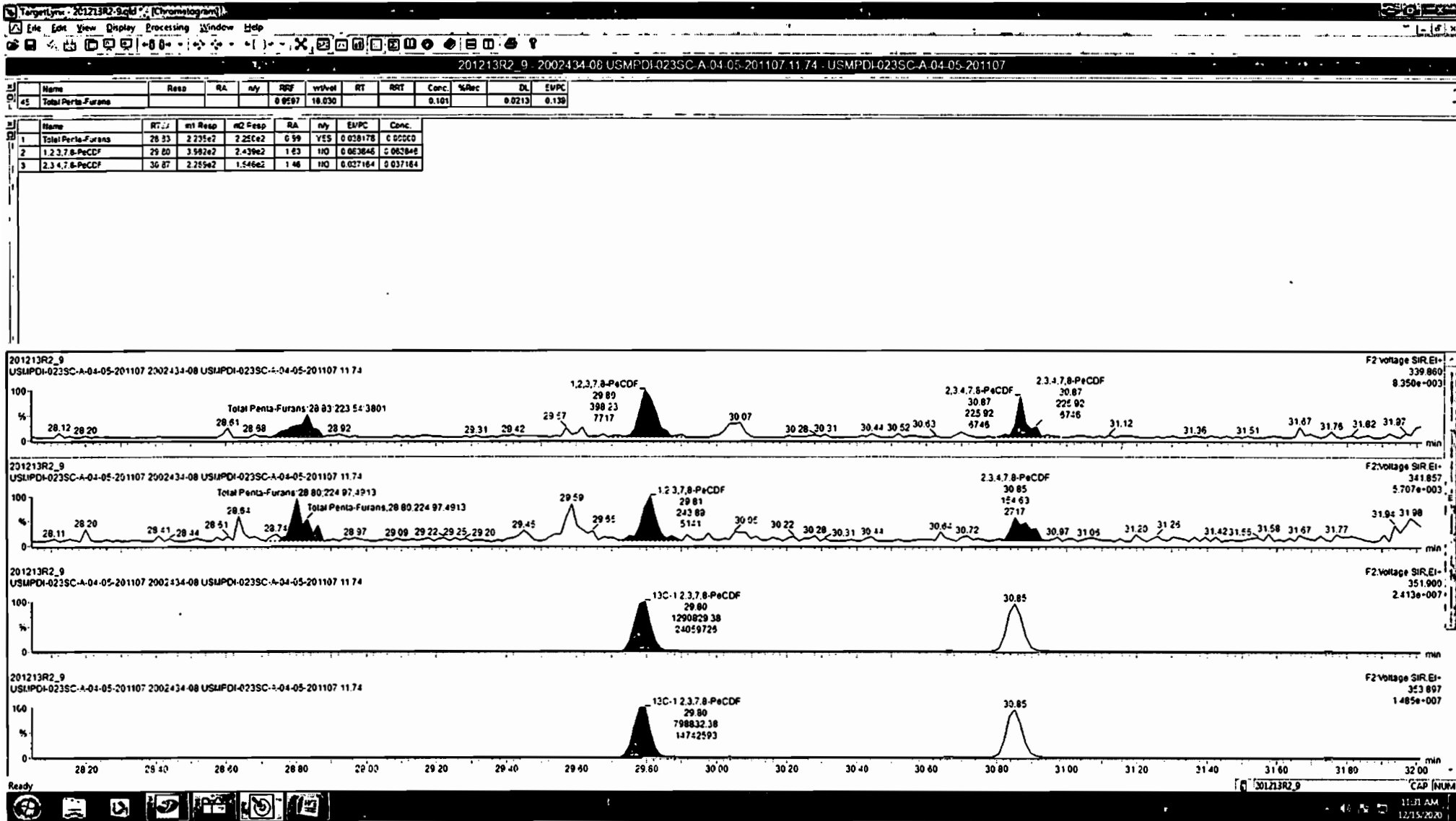


13C-1,2,3,7,8-PeCDF



DPE2



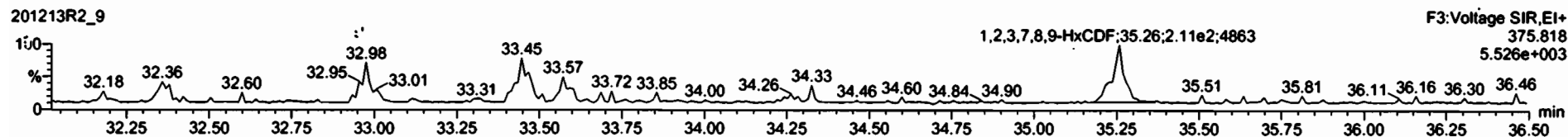
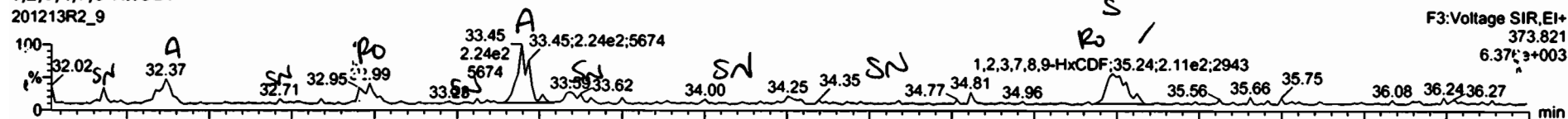


Dataset: Untitled

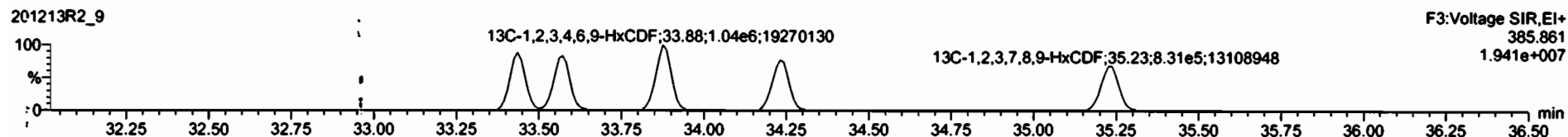
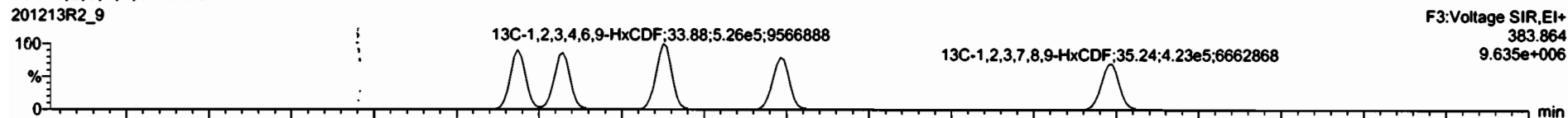
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

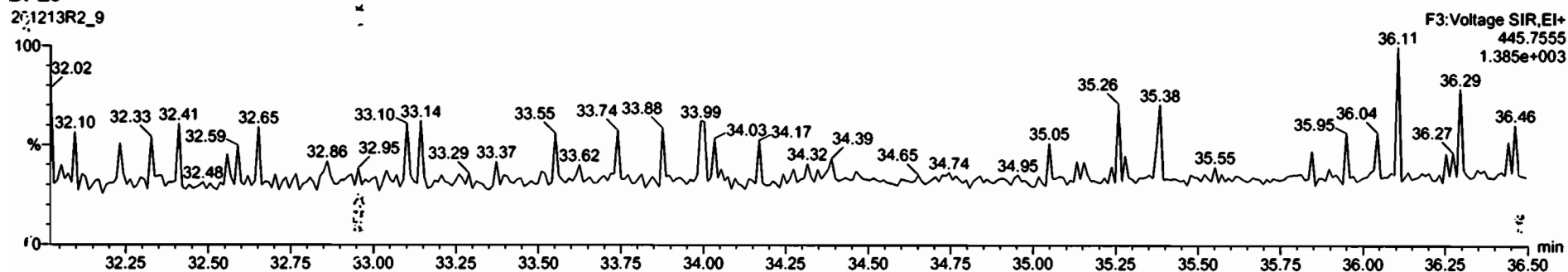
1,2,3,4,7,8-HxCDF



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

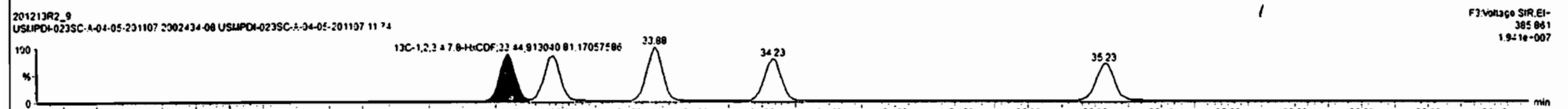
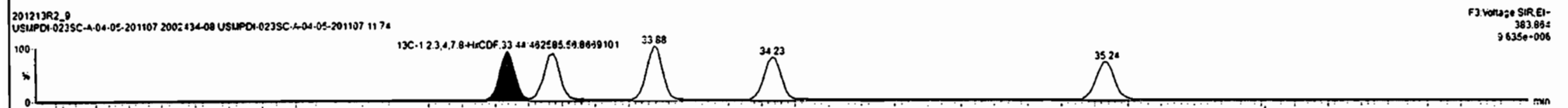
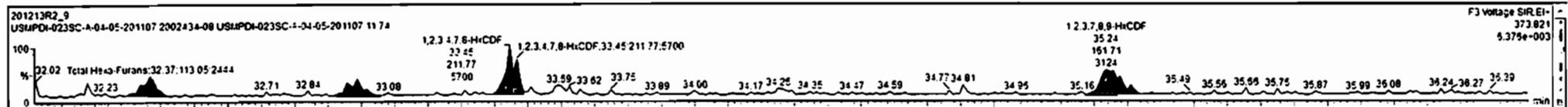


DPE3



Name	Resp	RA	n/y	RRF	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans			0.9597	16.030			0.121		0.0213	0.135

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.37	1.135e2	7.946e1	1.42	NO	0.028261
2	Total Hexa-Furans	32.99	1.687e2	1.222e2	0.29	YES	0.028650
3	1,2,3,4,7,8-HxCDF	33.45	2.118e2	1.653e2	1.28	NO	0.055445
4	1,2,3,7,8,9-HxCDF	35.24	1.617e2	1.549e2	1.54	YES	0.046673
5	Total Hexa-Furans	35.26	6.888e1	4.998e1	1.38	NO	0.017461

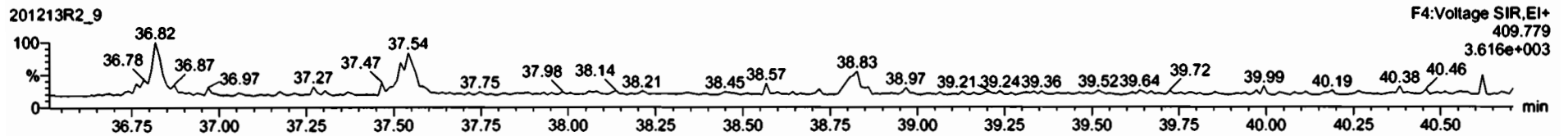
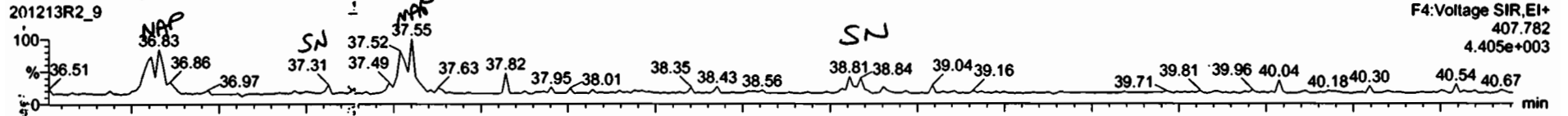


Dataset: Untitled

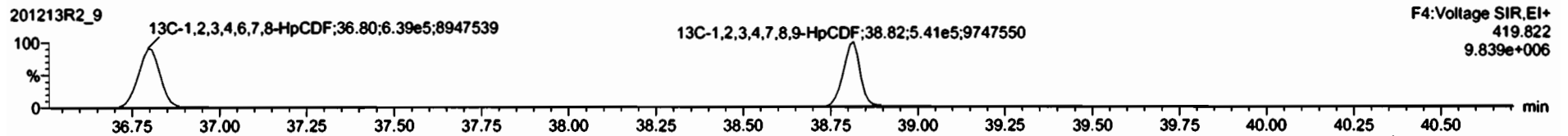
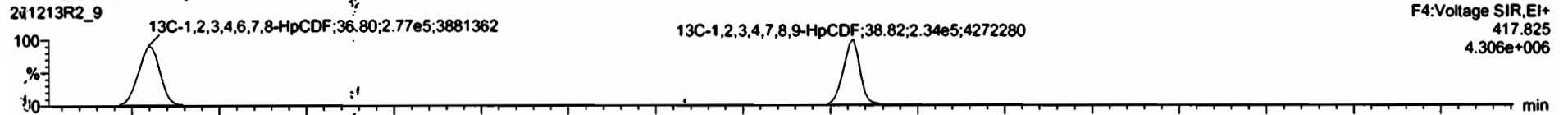
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

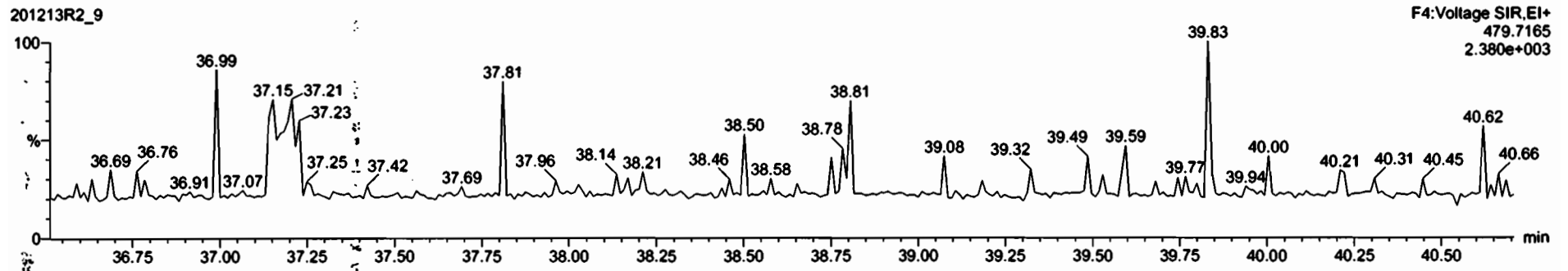
1,2,3,4,6,7,8-HpCDF



¹³C-1,2,3,4,6,7,8-HpCDF



DPE4



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

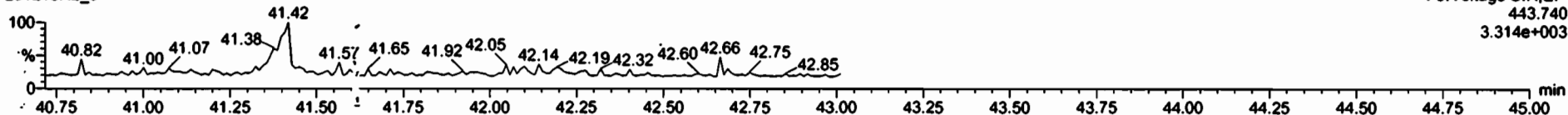
Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107

OCDF

201213R2_9

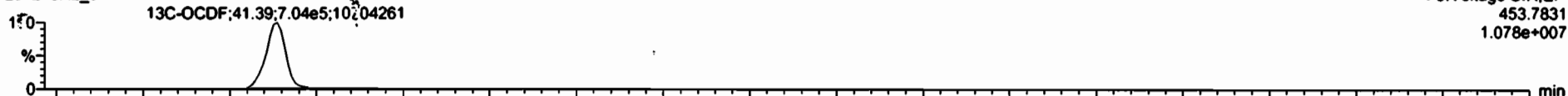


201213R2_9

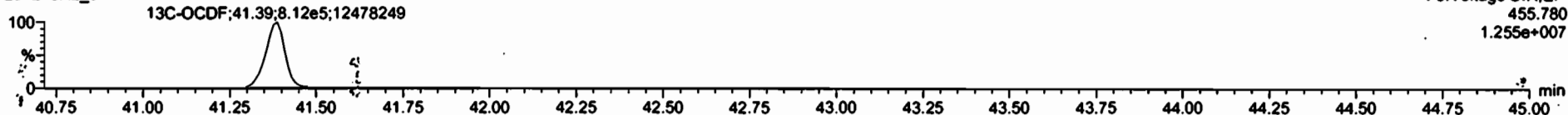


13C-OCDF

201213R2_9

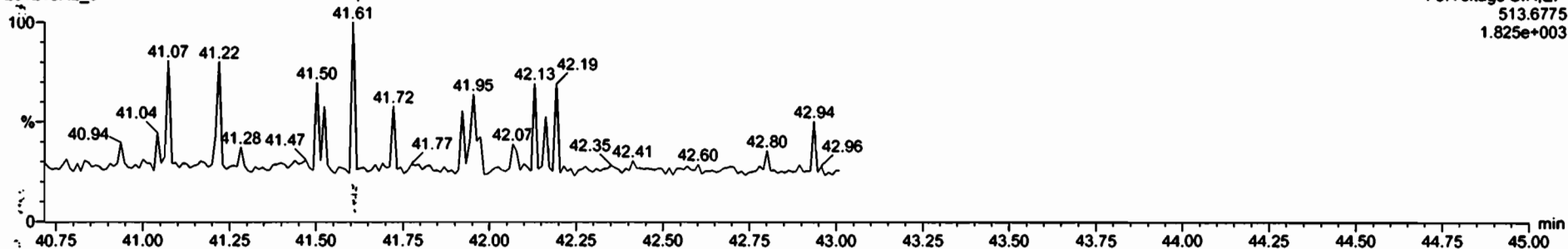


201213R2_9



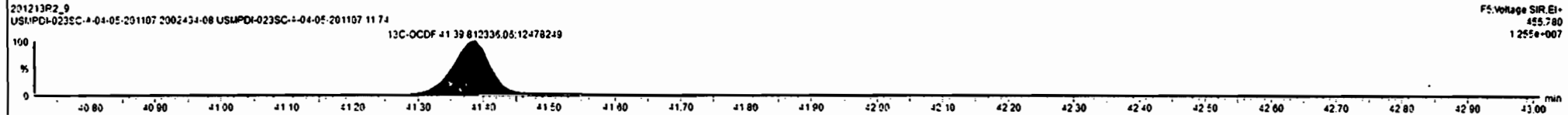
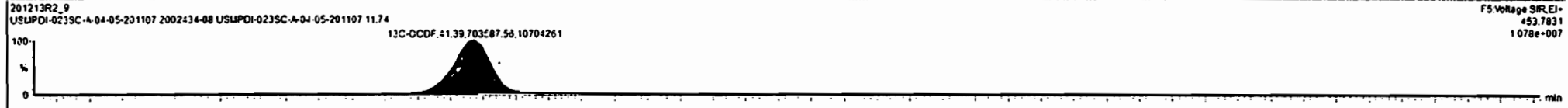
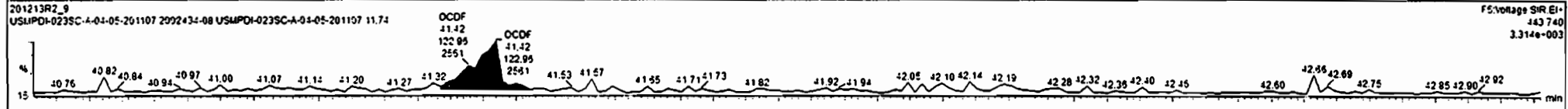
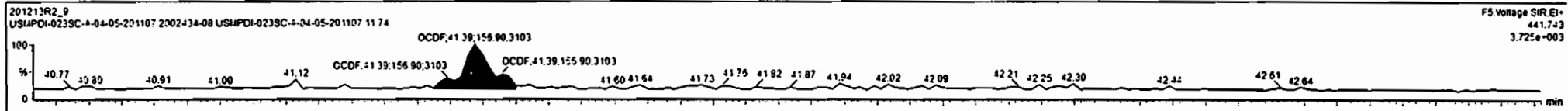
DPE5

201213R2_9



Name	Resp	RA	My	RRF	wt/vol	RT	QRT	Conc.	%Rec	DL	EWPC
17-OCDF	2.8Ca2	1.28	YES	0.8960	18.030	41.39	1.000	0.8622		0.0280	0.0662

Name	RT	m1 Resp	m2 Resp	RA	My	EWPC	Conc.

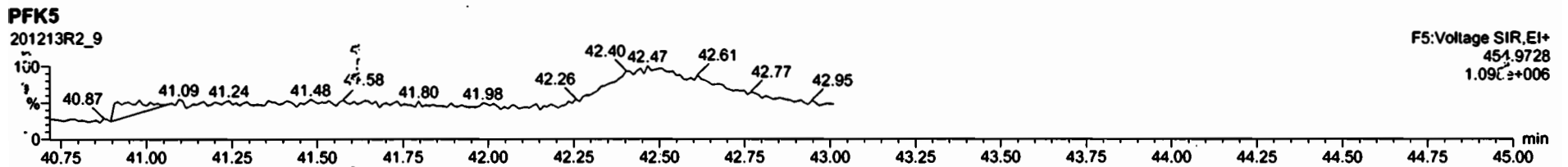
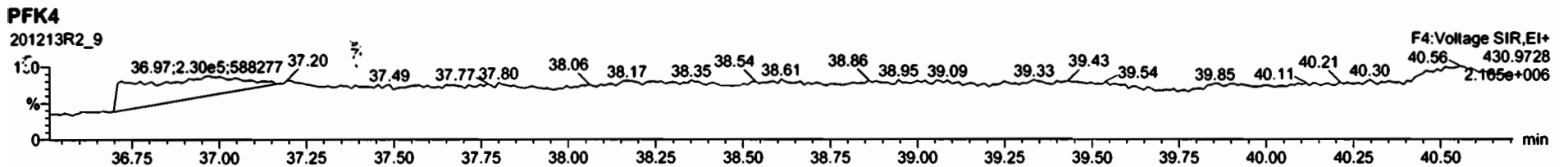
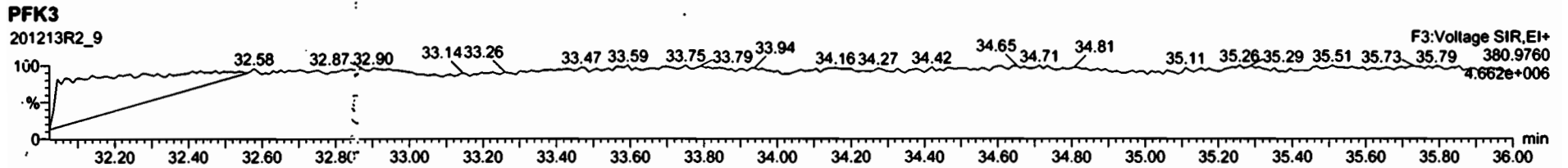
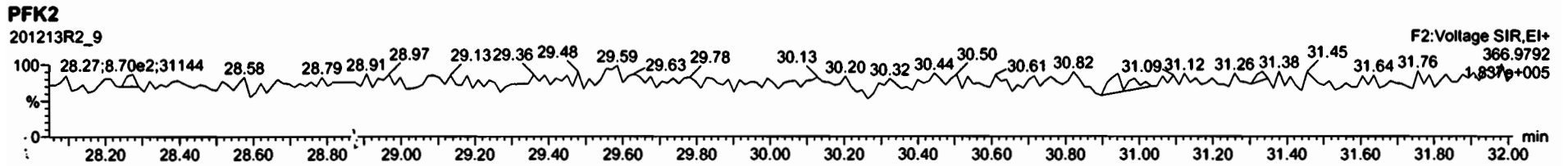
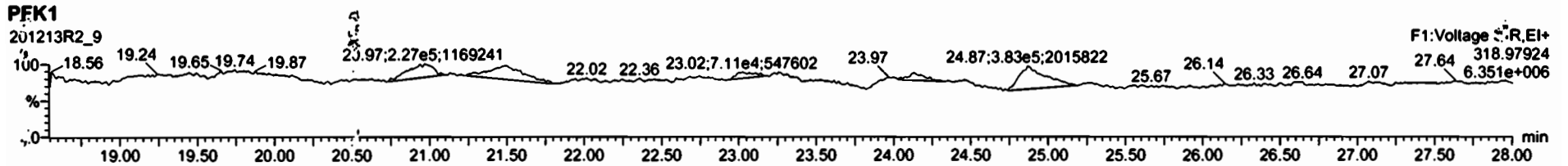


Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_9, Date: 13-Dec-2020, Time: 16:11:26, ID: 2002434-08 USMPDI-023SC-A-04-05-201107 11.74, Description: USMPDI-023SC-A-04-05-201107



Dataset: U:\VG12.PRO\Results\201213R2\201213R2-10.qld

Last Altered: Tuesday, December 15, 2020 11:46:50 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 11:47:35 AM Pacific Standard Time

GPB 12/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\vbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

*Full
table*

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

#	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	0.980	10.068	26.396		1.001				0.0183	
2	1,2,3,7,8-PeCDD			NO	0.932	10.068	31.079		1.001				0.0383	
3	1,2,3,4,7,8-HxCDD			NO	1.02	10.068	34.368		1.001				0.0351	
4	1,2,3,6,7,8-HxCDD	6.81e2	1.10	NO	0.902	10.068	34.483	34.48	1.001	1.001	0.12850		0.0366	0.128
5	1,2,3,7,8,9-HxCDD	6.58e2	1.08	NO	0.954	10.068	34.744	34.74	1.000	1.000	0.11998		0.0364	0.120
6	1,2,3,4,6,7,8-HpCDD	1.22e4	1.05	NO	0.918	10.068	38.200	38.21	1.000	1.001	2.8820		0.126	2.88
7	OCDD	9.44e4	0.88	NO	0.866	10.068	41.113	41.12	1.000	1.000	33.467		0.151	33.5
8	2,3,7,8-TCDF	2.08e3	0.79	NO	0.848	10.068	25.672	25.70	1.000	1.001	0.18964		0.0246	0.190
9	1,2,3,7,8-PeCDF	8.86e3	1.68	NO	0.960	10.068	29.784	29.80	1.000	1.001	0.89017		0.0232	0.890
10	2,3,4,7,8-PeCDF	3.69e3	1.34	NO	1.07	10.068	30.874	30.87	1.001	1.000	0.35016		0.0214	0.350
11	1,2,3,4,7,8-HxCDF	1.65e4	1.23	NO	0.986	10.068	33.446	33.45	1.000	1.000	2.4200		0.0251	2.42
12	1,2,3,6,7,8-HxCDF	6.39e3	1.13	NO	1.04	10.068	33.592	33.59	1.001	1.001	0.89768		0.0243	0.898
13	2,3,4,6,7,8-HxCDF	1.27e3	1.13	NO	1.02	10.068	34.253	34.25	1.001	1.001	0.18939		0.0268	0.189
14	1,2,3,7,8,9-HxCDF	5.78e2	1.10	NO	0.991	10.068	35.248	35.26	1.000	1.001	0.097503		0.0349	0.0975
15	1,2,3,4,6,7,8-HpCDF	7.19e3	0.99	NO	1.05	10.068	36.813	36.82	1.000	1.001	1.4852		0.0433	1.49
16	1,2,3,4,7,8,9-HpCDF	1.43e3	0.97	NO	1.18	10.068	38.817	38.82	1.000	1.000	0.32104		0.0389	0.321
17	OCDF	4.37e3	0.82	NO	0.896	10.068	41.396	41.40	1.000	1.000	1.3425		0.0559	1.34
18	13C-2,3,7,8-TCDD	1.80e6	0.79	NO	1.06	10.068	26.368	26.36	1.030	1.030	201.52	101	0.0913	
19	13C-1,2,3,7,8-PeCDD	1.40e6	0.64	NO	0.785	10.068	31.211	31.05	1.219	1.213	210.94	106	0.101	
20	13C-1,2,3,4,7,8-HxCDD	1.05e6	1.27	NO	0.621	10.068	34.337	34.35	1.014	1.014	225.42	113	0.368	
21	13C-1,2,3,6,7,8-HxCDD	1.17e6	1.29	NO	0.734	10.068	34.459	34.46	1.017	1.017	212.81	107	0.311	
22	13C-1,2,3,7,8,9-HxCDD	1.14e6	1.24	NO	0.723	10.068	34.743	34.73	1.026	1.025	211.29	106	0.316	
23	13C-1,2,3,4,6,7,8-HpCDD	9.17e5	1.06	NO	0.568	10.068	38.243	38.19	1.129	1.127	216.15	109	0.612	
24	13C-OCDD	1.29e6	0.90	NO	0.496	10.068	41.180	41.10	1.216	1.213	349.40	87.9	0.454	
25	13C-2,3,7,8-TCDF	2.57e6	0.77	NO	0.919	10.068	25.667	25.67	1.003	1.003	203.31	102	0.101	
26	13C-1,2,3,7,8-PeCDF	2.06e6	1.59	NO	0.715	10.068	29.921	29.78	1.169	1.164	209.37	105	0.241	
27	13C-2,3,4,7,8-PeCDF	1.96e6	1.60	NO	0.689	10.068	31.008	30.85	1.212	1.205	206.90	104	0.250	
28	13C-1,2,3,4,7,8-HxCDF	1.37e6	0.51	NO	0.873	10.068	33.442	33.44	0.987	0.987	210.48	106	0.342	
29	13C-1,2,3,6,7,8-HxCDF	1.36e6	0.51	NO	0.933	10.068	33.571	33.57	0.991	0.991	195.29	98.3	0.320	
30	13C-2,3,4,6,7,8-HxCDF	1.31e6	0.51	NO	0.843	10.068	34.238	34.23	1.011	1.011	207.73	105	0.354	
31	13C-1,2,3,7,8,9-HxCDF	1.19e6	0.51	NO	0.780	10.068	35.238	35.24	1.040	1.040	204.06	103	0.383	

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-10.qld

Last Altered: Tuesday, December 15, 2020 11:46:50 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 11:47:35 AM Pacific Standard Time

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DU	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	9.17e5	0.43	NO	0.726	10.068	36.813	36.79	1.087	1.086	168.85	85.0	0.451	
33	33 13C-1,2,3,4,7,8,9-HpCDF	7.50e5	0.43	NO	0.491	10.068	38.822	38.81	1.146	1.146	204.47	103	0.667	
34	34 13C-OCDF	1.44e6	0.89	NO	0.565	10.068	41.396	41.39	1.222	1.222	341.60	86.0	0.407	
35	35 37Cl-2,3,7,8-TCDD	8.34e5			1.22	10.068	26.363	26.38	1.030	1.031	80.991	102	0.0188	
36	36 13C-1,2,3,4-TCDD	1.68e6	0.80	NO	1.00	10.068	25.640	25.59	1.000	1.000	198.64	100	0.0964	
37	37 13C-1,2,3,4-TCDF	2.73e6	0.79	NO	1.00	10.068	24.130	24.10	1.000	1.000	198.64	100	0.0932	
38	38 13C-1,2,3,4,6,9-HxCDF	1.48e6	0.51	NO	1.00	10.068	33.920	33.88	1.000	1.000	198.64	100	0.299	
39	39 Total Tetra-Dioxins				0.980	10.068	24.620		0.000		0.13008		0.0183	0.130
40	40 Total Penta-Dioxins				0.932	10.068	29.960		0.000		0.14897		0.0383	0.434
41	41 Total Hexa-Dioxins				0.902	10.068	33.635		0.000		1.9458		0.0382	1.95
42	42 Total Hepta-Dioxins				0.918	10.068	37.640		0.000		6.8243		0.126	6.82
43	43 Total Tetra-Furans				0.848	10.068	23.610		0.000		0.62253		0.0246	0.623
44	44 1st Func. Penta-Furans				0.960	10.068	26.930		0.000		0.24841		0.00732	0.248
45	45 Total Penta-Furans				0.960	10.068	29.275		0.000		2.0749		0.0235	2.13
46	46 Total Hexa-Furans				1.02	10.068	33.555		0.000		4.6973		0.0272	4.70
47	47 Total Hepta-Furans				1.05	10.068	37.835		0.000		2.8280		0.0434	2.83

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-10.qld

Last Altered: Tuesday, December 15, 2020 11:46:50 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 11:47:35 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Tetra-Dioxins	24.29	8.496e3	9.194e3	5.393e2	6.158e2	0.88	NO	1.155e3	0.13008	0.13008	0.0183

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Penta-Dioxins	28.82	5.267e3	5.121e3	3.237e2	4.480e2	0.72	NO	0.000e0	0.00000	0.11748	0.0383
2 Total Penta-Dioxins	29.27	3.907e3	4.797e3	1.808e2	2.779e2	0.65	NO	4.587e2	0.069838	0.069838	0.0383
3 Total Penta-Dioxins	29.78	1.173e4	7.456e3	5.149e2	3.350e2	1.54	YES	0.000e0	0.00000	0.083141	0.0383
4 Total Penta-Dioxins	30.04	3.800e3	3.550e3	2.033e2	3.165e2	0.64	NO	5.197e2	0.079127	0.079127	0.0383
5 Total Penta-Dioxins	30.28	5.225e3	8.571e3	2.140e2	4.206e2	0.51	YES	0.000e0	0.00000	0.084281	0.0383

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Dioxins	32.71	5.366e4	4.140e4	2.635e3	1.995e3	1.32	NO	4.630e3	0.91159	0.91159	0.0382
2 Total Hexa-Dioxins	33.31	6.829e3	5.096e3	3.394e2	3.168e2	1.07	NO	6.562e2	0.12921	0.12921	0.0382
3 Total Hexa-Dioxins	33.60	2.773e4	2.021e4	1.906e3	1.429e3	1.33	NO	3.334e3	0.65657	0.65657	0.0382
4 1,2,3,6,7,8-HxCDD	34.48	7.251e3	6.249e3	3.577e2	3.237e2	1.10	NO	6.814e2	0.12850	0.12850	0.0366
5 1,2,3,7,8,9-HxCDD	34.74	5.821e3	6.739e3	3.414e2	3.161e2	1.08	NO	6.576e2	0.11998	0.11998	0.0364

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.21	1.031e5	1.063e5	8.524e3	8.182e3	1.04	NO	1.671e4	3.9423	3.9423	0.126
2 1,2,3,4,6,7,8-HpCDD	38.21	1.028e5	9.683e4	6.260e3	5.954e3	1.05	NO	1.221e4	2.8820	2.8820	0.126

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-10.qld

Last Altered: Tuesday, December 15, 2020 11:46:50 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 11:47:35 AM Pacific Standard Time

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09-USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	21.68	4.527e3	5.721e3	3.935e2	5.425e2	0.73	NO	9.360e2	0.085268	0.085268	0.0246
2	Total Tetra-Furans	22.58	3.215e3	6.060e3	3.689e2	4.970e2	0.74	NO	8.658e2	0.078875	0.078875	0.0246
3	Total Tetra-Furans	23.10	2.914e3	4.784e3	2.557e2	3.670e2	0.70	NO	6.227e2	0.056726	0.056726	0.0246
4	Total Tetra-Furans	24.68	1.187e4	1.383e4	8.467e2	1.092e3	0.78	NO	1.939e3	0.17665	0.17665	0.0246
5	Total Tetra-Furans	25.55	2.920e3	3.547e3	1.678e2	2.205e2	0.76	NO	3.883e2	0.035372	0.035372	0.0246
6	2,3,7,8-TCDF	25.70	1.640e4	1.677e4	9.159e2	1.166e3	0.79	NO	2.082e3	0.18964	0.18964	0.0246

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	27.18	2.248e4	1.799e4	1.454e3	9.594e2	1.52	NO	2.413e3	0.24841	0.24841	0.00732

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	28.82	5.767e4	2.916e4	2.840e3	1.799e3	1.58	NO	4.640e3	0.47765	0.47765	0.0235
2	Total Penta-Furans	29.45	7.483e3	7.591e3	5.243e2	3.685e2	1.42	NO	8.929e2	0.091924	0.091924	0.0235
3	Total Penta-Furans	29.60	5.010e3	6.135e3	3.423e2	3.224e2	1.06	YES	0.000e0	0.00000	0.057977	0.0235
4	1,2,3,7,8-PeCDF	29.80	1.093e5	6.271e4	5.551e3	3.311e3	1.68	NO	8.861e3	0.89017	0.89017	0.0232
5	Total Penta-Furans	30.07	2.866e4	1.982e4	1.624e3	9.500e2	1.71	NO	2.574e3	0.26496	0.26496	0.0235
6	2,3,4,7,8-PeCDF	30.87	4.397e4	2.724e4	2.111e3	1.577e3	1.34	NO	3.688e3	0.35016	0.35016	0.0214

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-10.qld

Last Altered: Tuesday, December 15, 2020 11:46:50 AM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 11:47:35 AM Pacific Standard Time

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Furans	32.18	9.071e3	5.070e3	3.713e2	2.716e2	1.37	NO	6.428e2	0.095662	0.095662	0.0272
2 Total Hexa-Furans	32.36	4.257e4	3.048e4	1.969e3	1.613e3	1.22	NO	3.583e3	0.53317	0.53317	0.0272
3 Total Hexa-Furans	32.99	1.911e4	1.963e4	1.094e3	9.806e2	1.12	NO	2.075e3	0.30880	0.30880	0.0272
4 Total Hexa-Furans	33.33	2.769e3	2.335e3	1.158e2	1.046e2	1.11	NO	2.204e2	0.032802	0.032802	0.0272
5 1,2,3,4,7,8-HxCDF	33.45	1.660e5	1.359e5	9.087e3	7.413e3	1.23	NO	1.650e4	2.4200	2.4200	0.0251
6 1,2,3,6,7,8-HxCDF	33.59	5.513e4	5.276e4	3.397e3	2.997e3	1.13	NO	6.395e3	0.89768	0.89768	0.0243
7 2,3,4,6,7,8-HxCDF	34.25	9.130e3	1.122e4	6.746e2	5.982e2	1.13	NO	1.273e3	0.18939	0.18939	0.0268
8 1,2,3,7,8,9-HxCDF	35.26	1.080e4	8.898e3	3.027e2	2.757e2	1.10	NO	5.784e2	0.097503	0.097503	0.0349
9 Total Hexa-Furans	35.27	1.076e4	7.899e3	4.534e2	3.678e2	1.23	NO	8.213e2	0.12222	0.12222	0.0272

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 1,2,3,4,6,7,8-HpCDF	36.82	4.993e4	4.580e4	3.571e3	3.619e3	0.99	NO	7.190e3	1.4852	1.4852	0.0433
2 Total Hepta-Furans	37.54	2.857e4	3.046e4	2.289e3	2.209e3	1.04	NO	4.498e3	1.0217	1.0217	0.0434
3 1,2,3,4,7,8,9-HpCDF	38.82	1.133e4	1.140e4	7.023e2	7.237e2	0.97	NO	1.426e3	0.32104	0.32104	0.0389

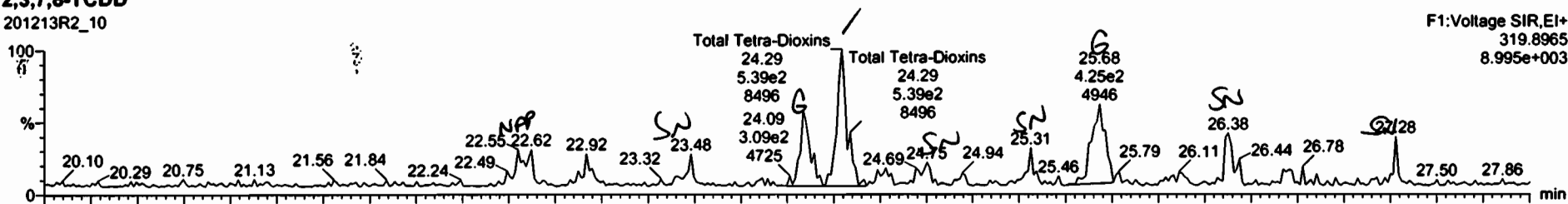
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

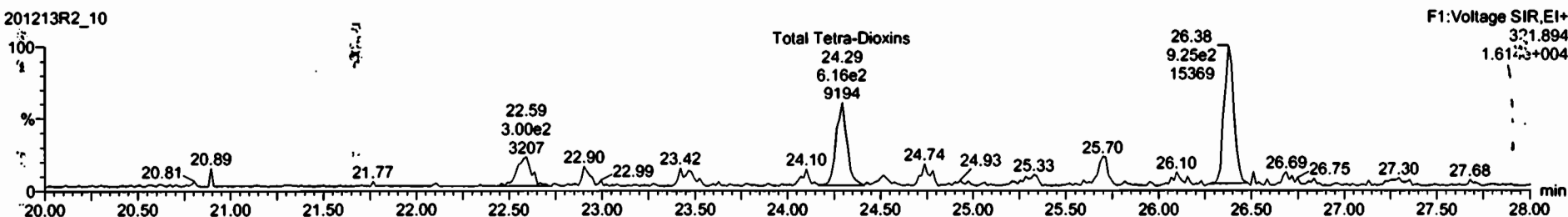
Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

2,3,7,8-TCDD

201213R2_10



201213R2_10

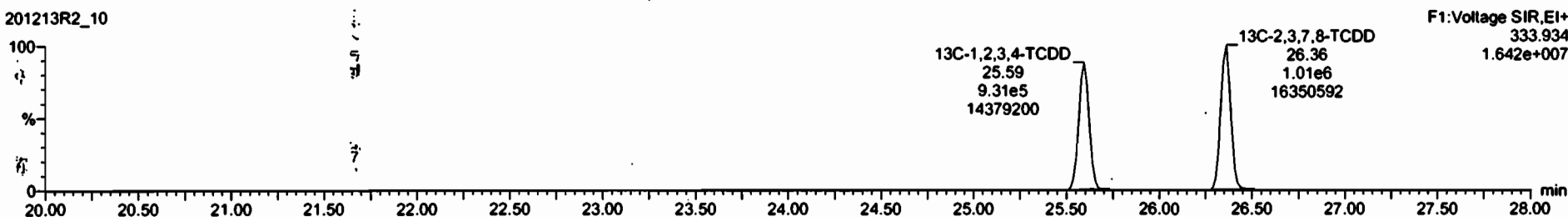


13C-2,3,7,8-TCDD

201213R2_10



201213R2_10



Dataset: Untitled

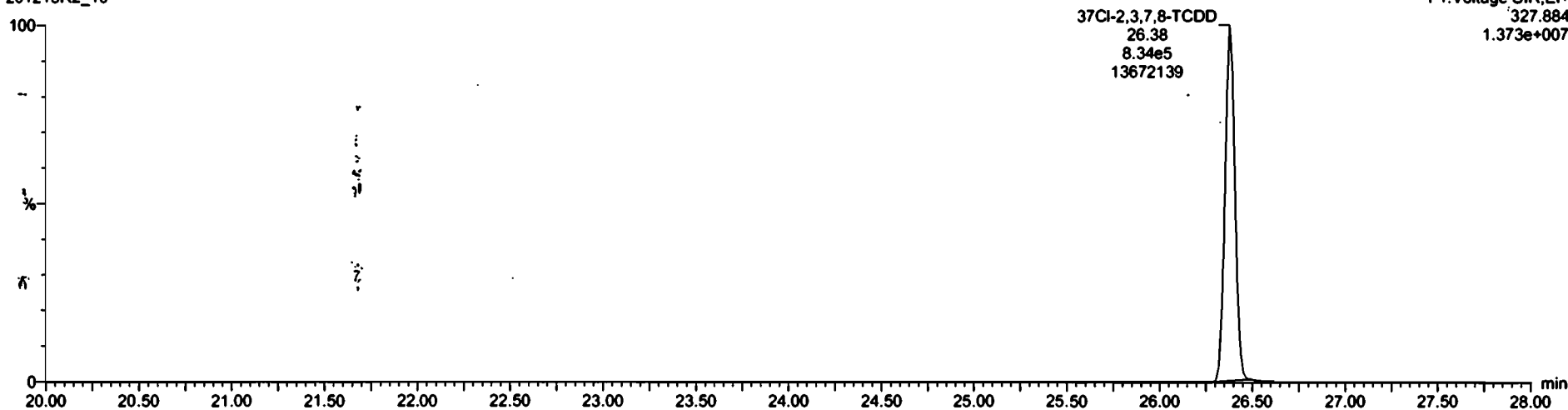
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

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

201213R2_10

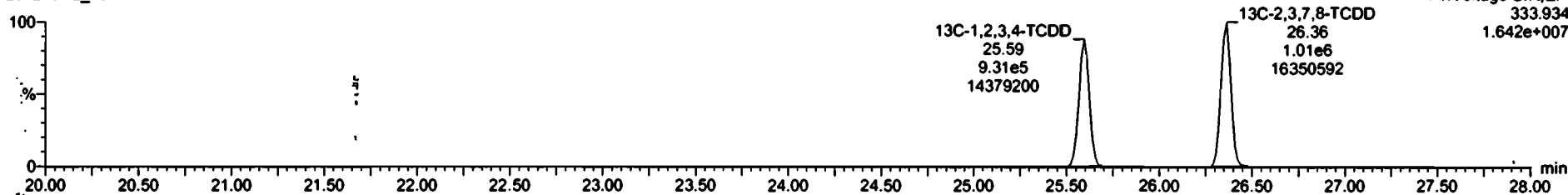


13C-1,2,3,4-TCDD

201213R2_10



201213R2_10



Dataset: Untitled

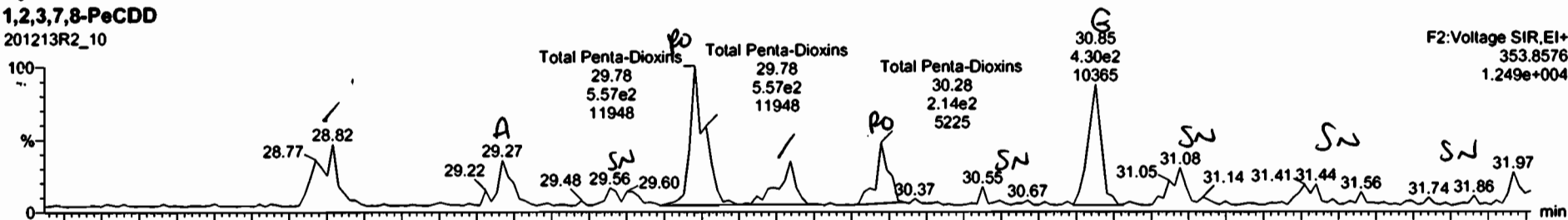
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_10, Date: 13-Dec-20, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

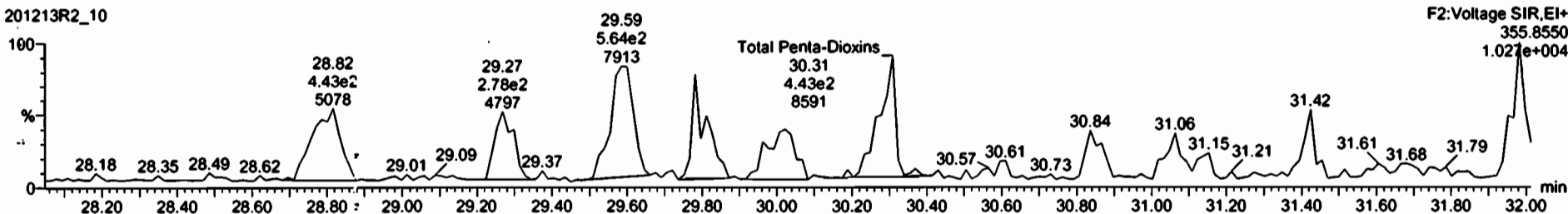
1,2,3,7,8-PeCDD

201213R2_10



F2:Voltage SIR,EI+
353.8576
1.249e+004

201213R2_10



F2:Voltage SIR,EI+
355.8550
1.027e+004

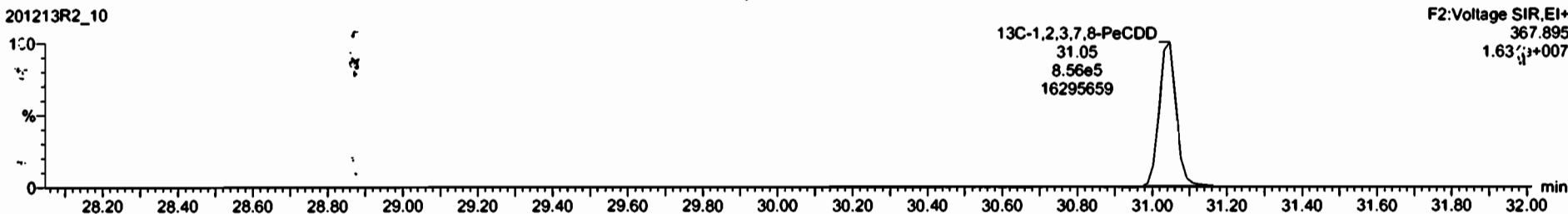
13C-1,2,3,7,8-PeCDD

201213R2_10



F2:Voltage SIR,EI+
365.8978
1.068e+007

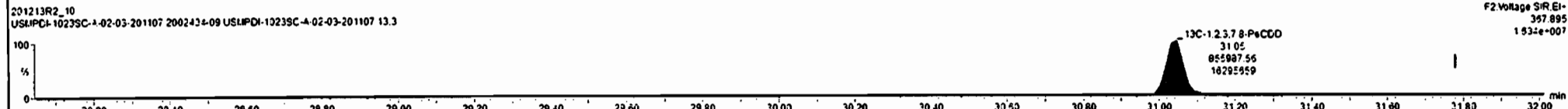
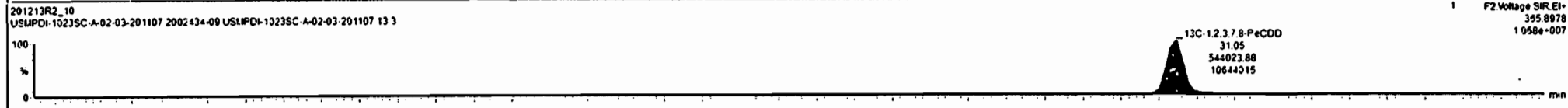
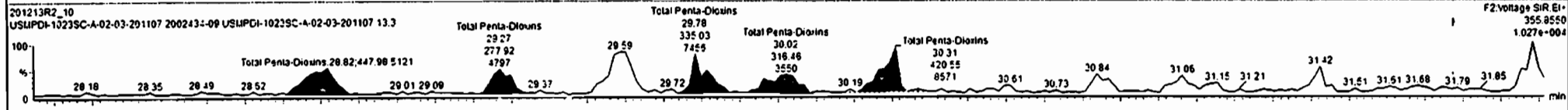
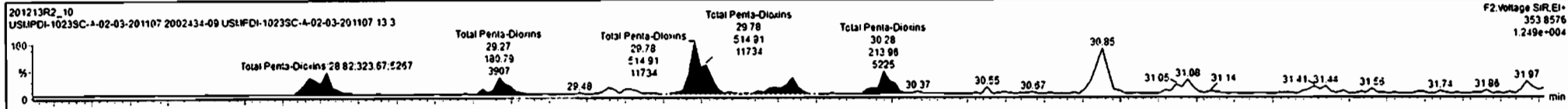
201213R2_10



F2:Voltage SIR,EI+
367.895
1.63e+007

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
39 Total Tetra-Dioxins				0.5805	10.068			0.130		0.0183	0.135

Name	RT /	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc
1 Total Penta-Dioxins	29.82	3.237e2	4.490e2	0.72	NO	0.11748	0.00000
2 Total Penta-Dioxins	29.27	1.808e2	2.279e2	0.65	NO	0.069838	0.069838
3 Total Penta-Dioxins	29.78	5.145e2	3.350e2	1.54	YES	0.023141	0.00000
4 Total Penta-Dioxins	30.04	2.637e2	3.165e2	0.64	NO	0.079127	0.079127
5 Total Penta-Dioxins	30.28	2.140e2	4.208e2	0.51	YES	0.064261	0.00000



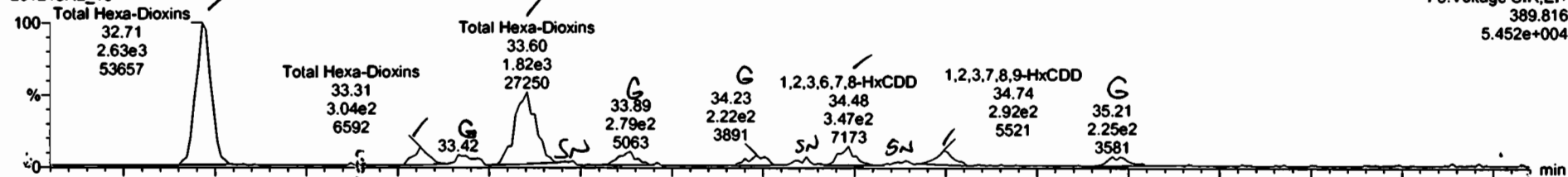
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

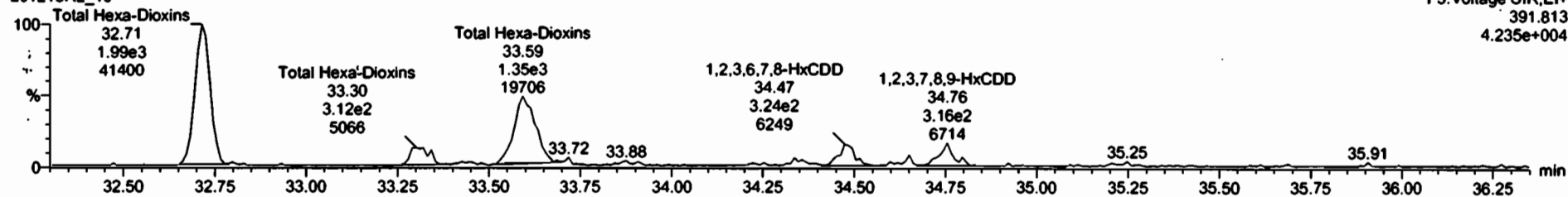
Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

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

201213R2_10

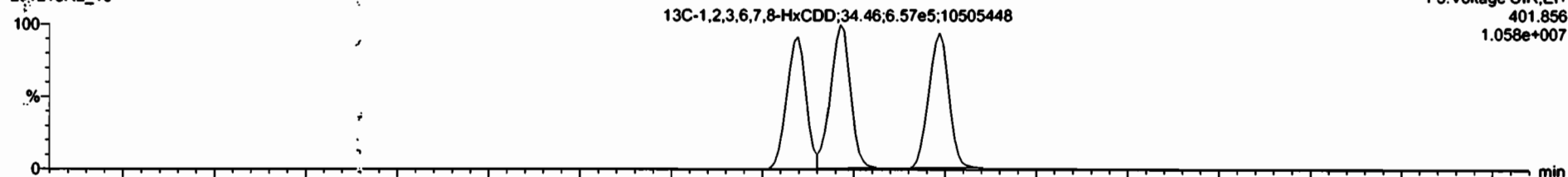


201213R2_10

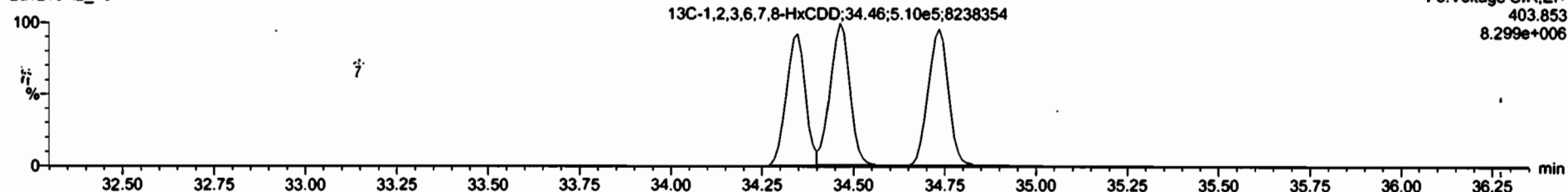


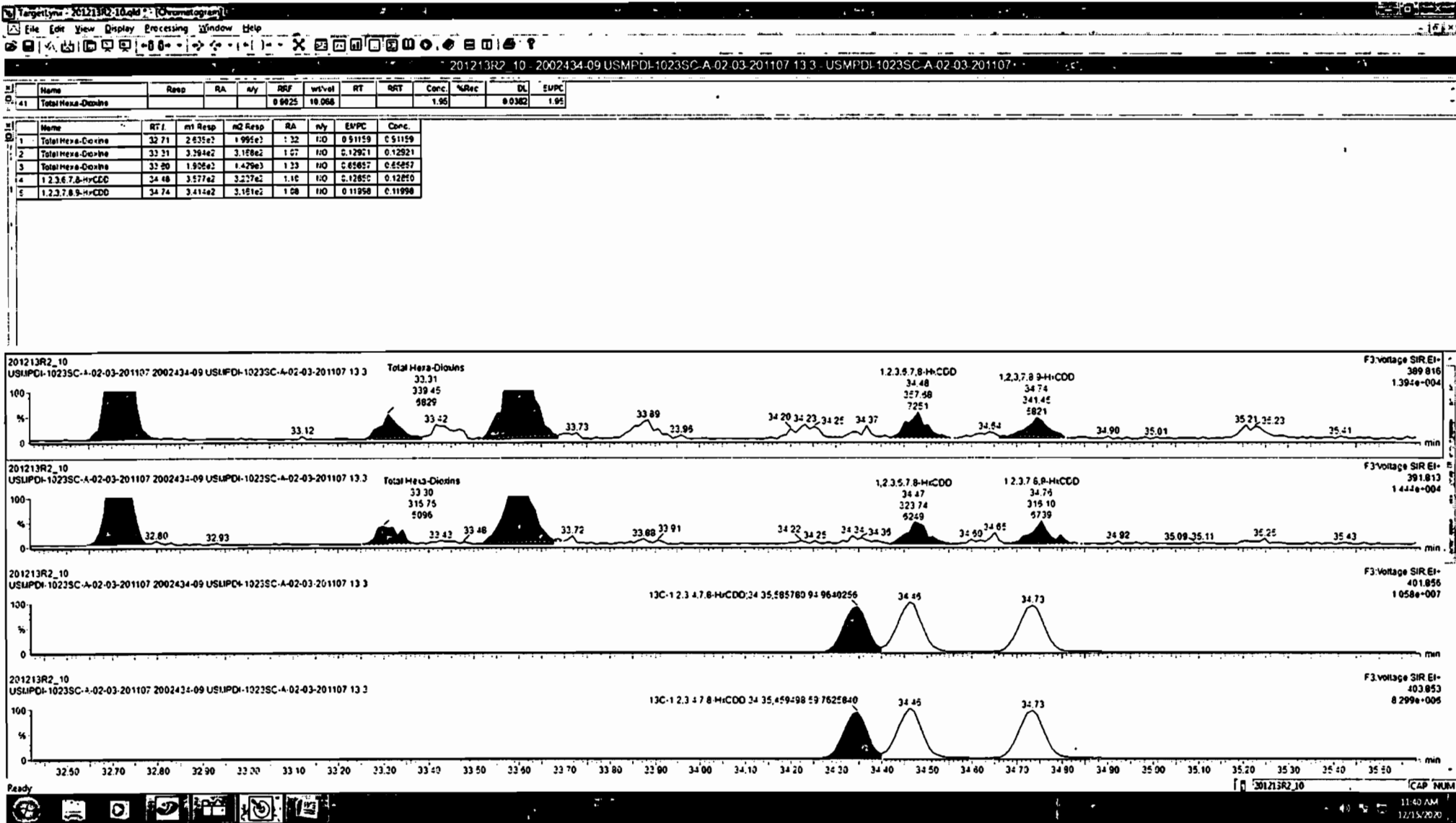
13C-1,2,3,4,7,8-HxCDD

201213R2_10



201213R2_10





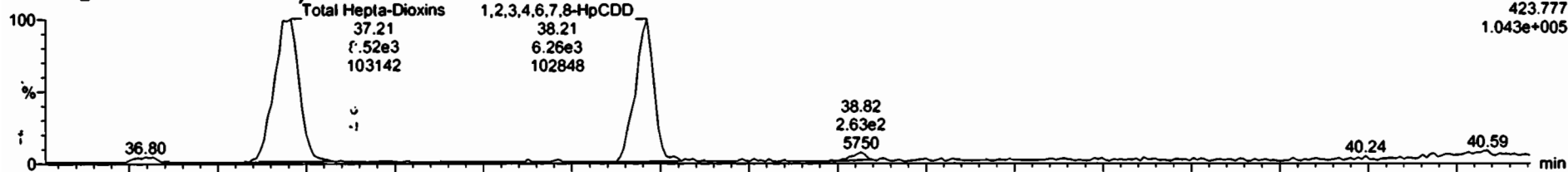
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

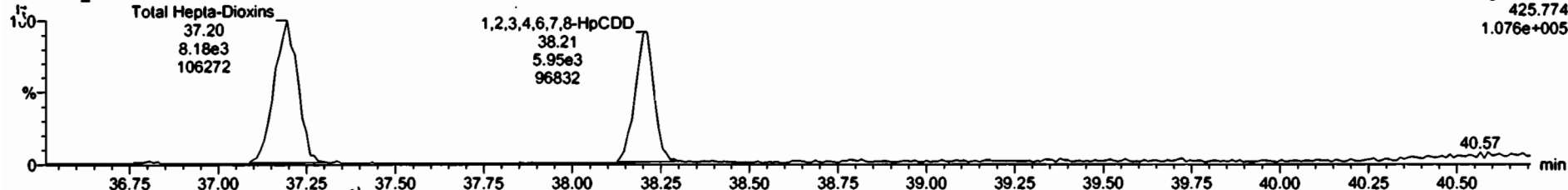
Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

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

201213R2_10



201213R2_10

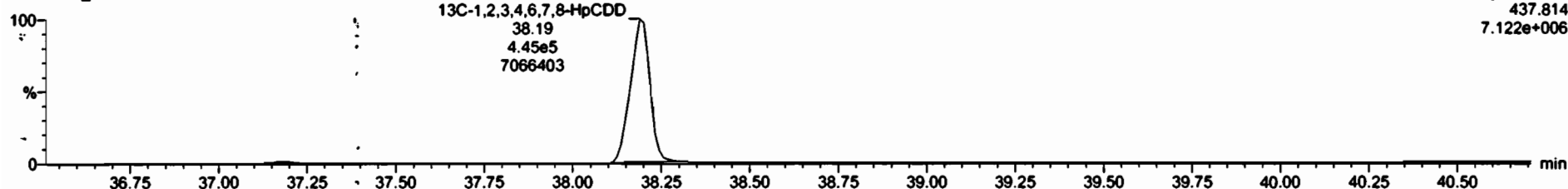


13C-1,2,3,4,6,7,8-HpCDD

201213R2_10



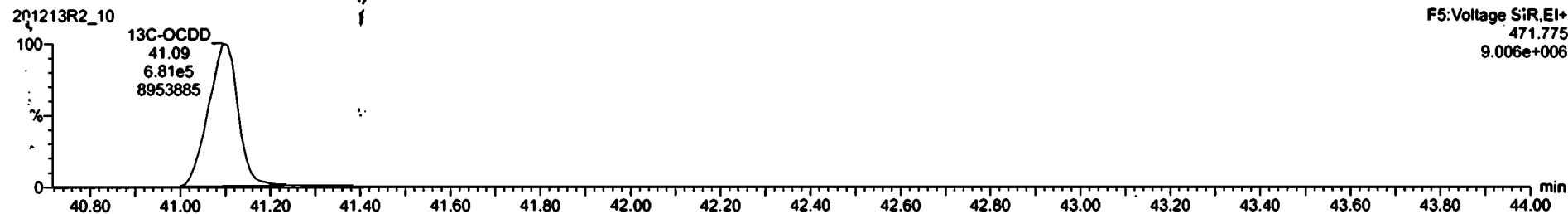
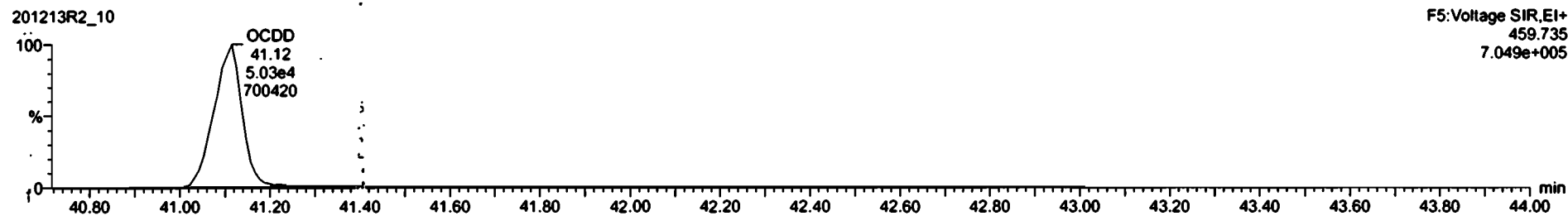
201213R2_10



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107



Dataset: Untitled

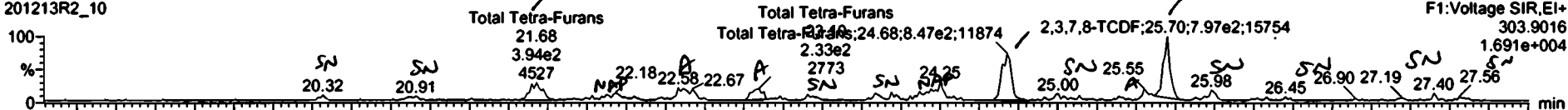
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

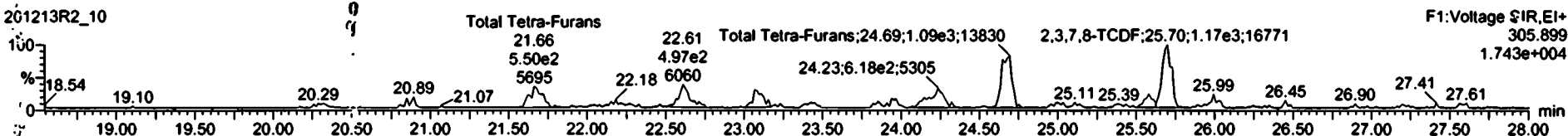
Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

2,3,7,8-TCDF

201213R2_10

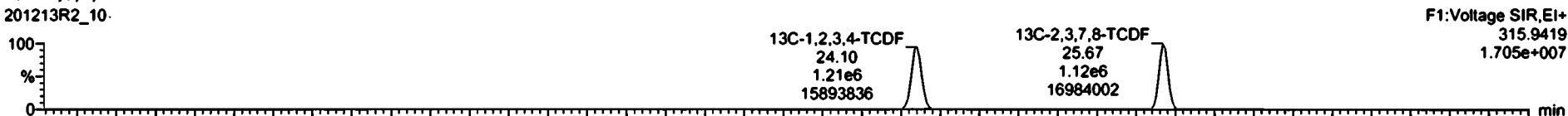


201213R2_10

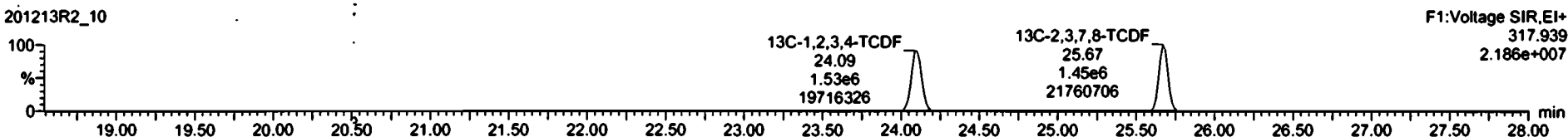


13C-2,3,7,8-TCDF

201213R2_10

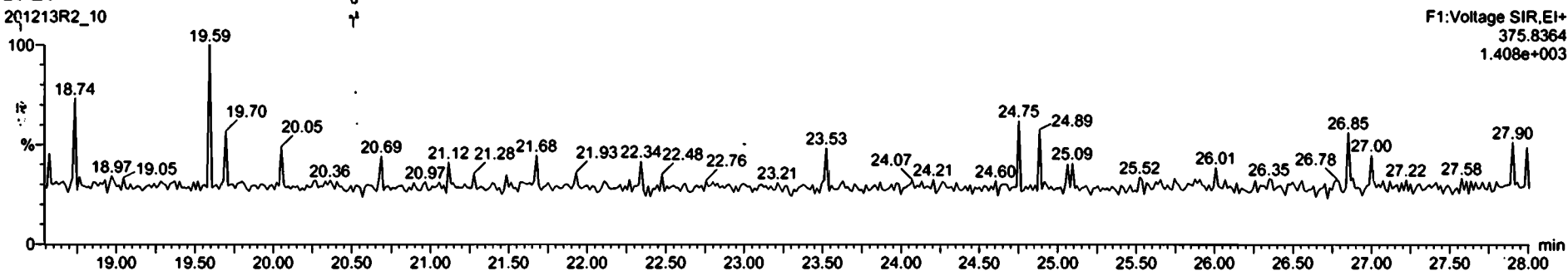


201213R2_10



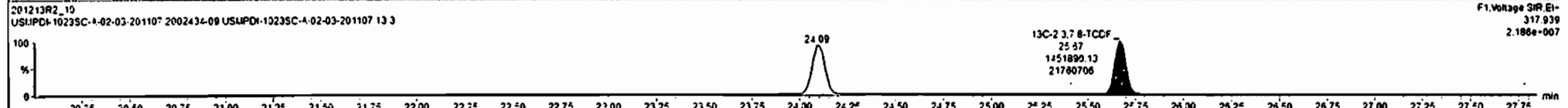
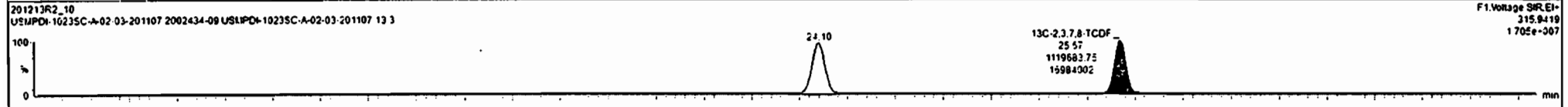
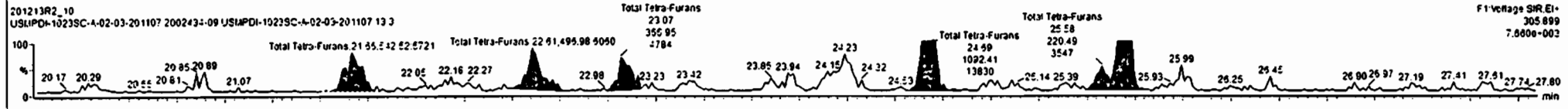
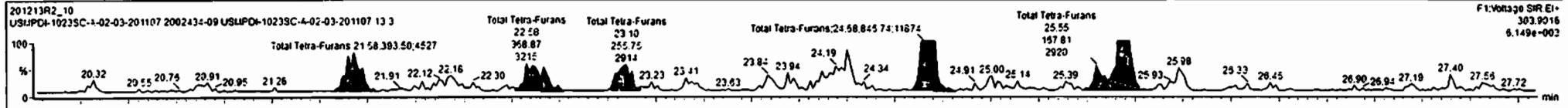
DPE1

201213R2_10



Name	Res	RA	n/y	RPF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
23	Total Tetra-Furans			0.6480	18.068			0.622		0.0246	0.622

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc	
1	Total Tetra-Furans	21.98	3.935e2	5.425e2	0.73	HO	0.085298	0.065268
2	Total Tetra-Furans	22.58	3.685e2	4.970e2	0.74	HO	0.076875	0.078675
3	Total Tetra-Furans	23.10	2.557e2	3.670e2	0.76	HO	0.056726	0.056726
4	Total Tetra-Furans	24.09	8.467e2	1.092e3	0.78	HO	0.17651	0.17365
5	Total Tetra-Furans	25.55	1.678e2	2.205e2	0.76	HO	0.025372	0.035372
6	2,3,7,8-TCDF	25.70	8.159e2	1.166e3	0.78	HO	0.18954	0.18964



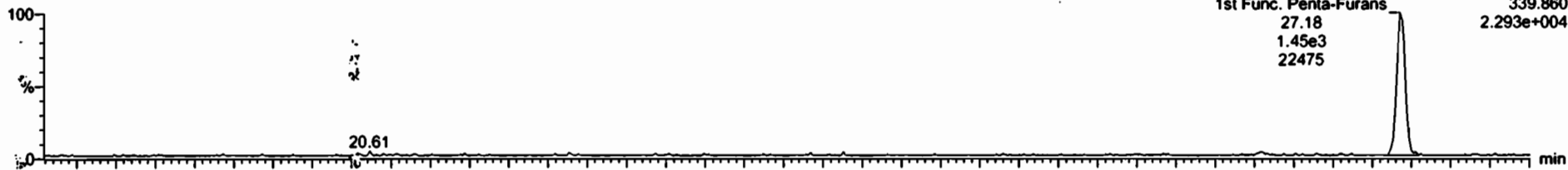
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

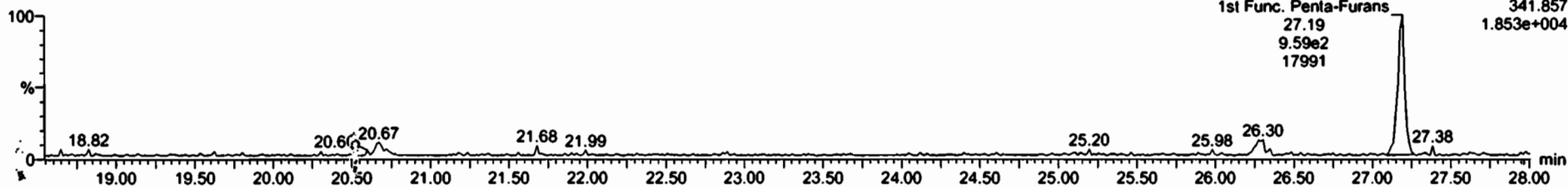
Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

1st Func. Penta-Furans

201213R2_10

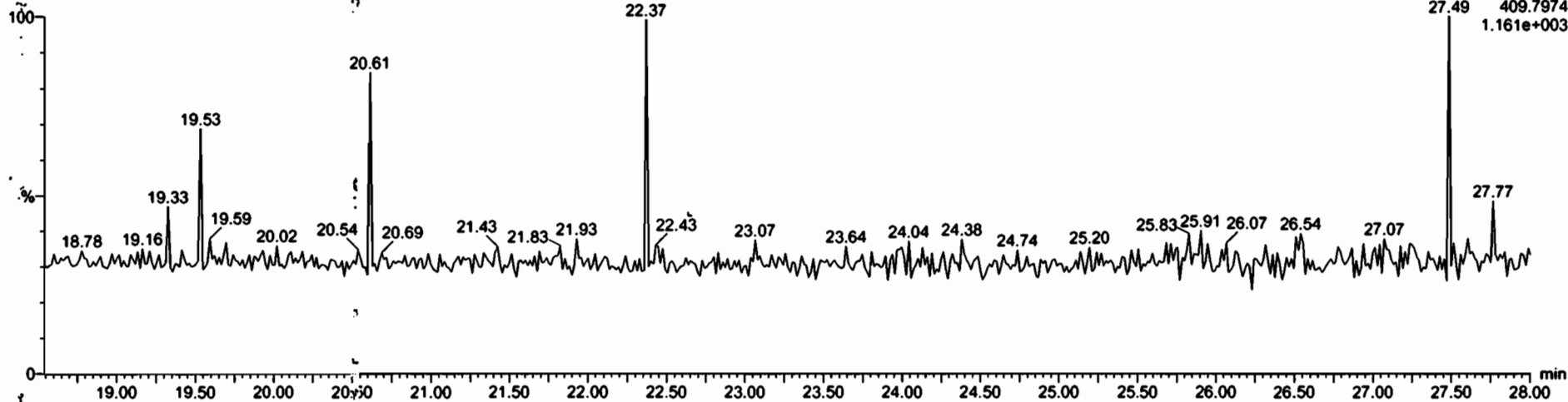


201213R2_10



DPE6

201213R2_10

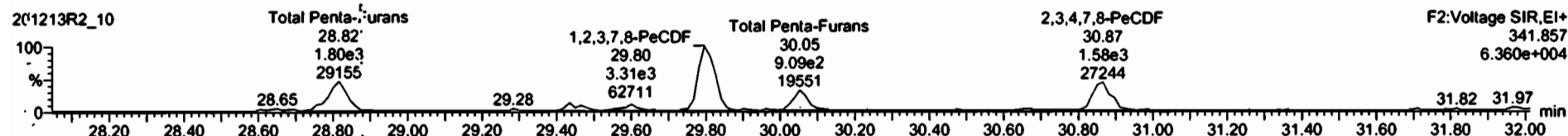
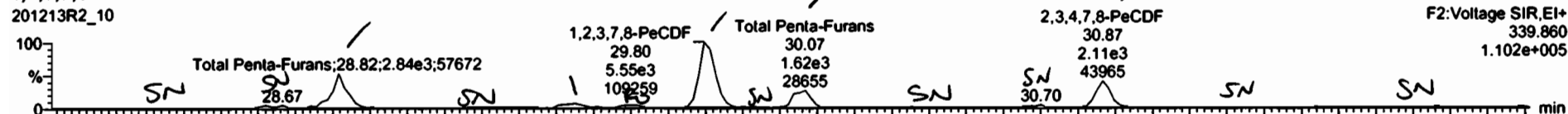


Dataset: Untitled

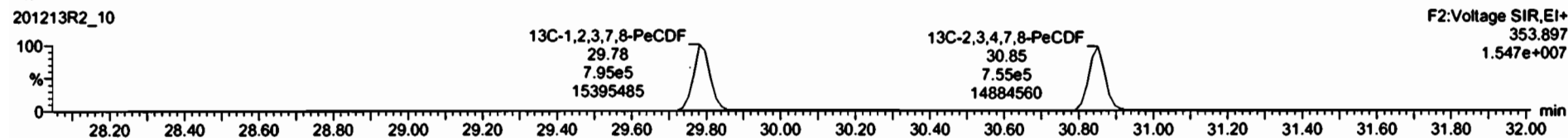
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

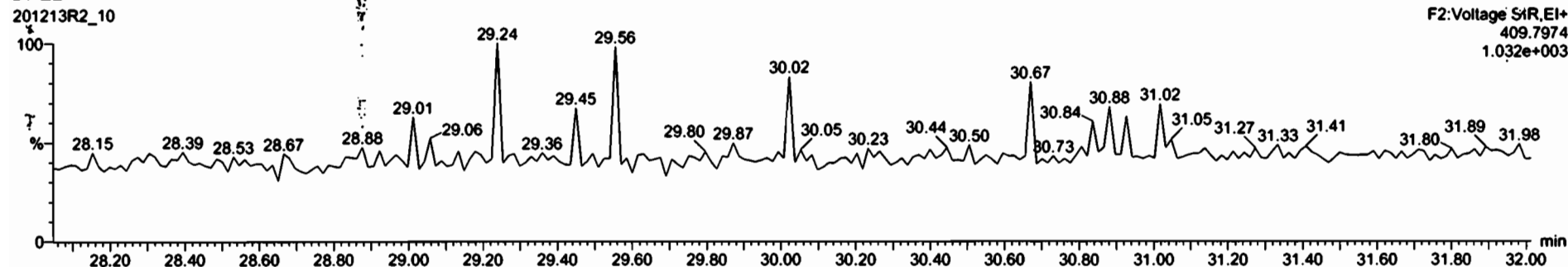
1,2,3,7,8-PeCDF

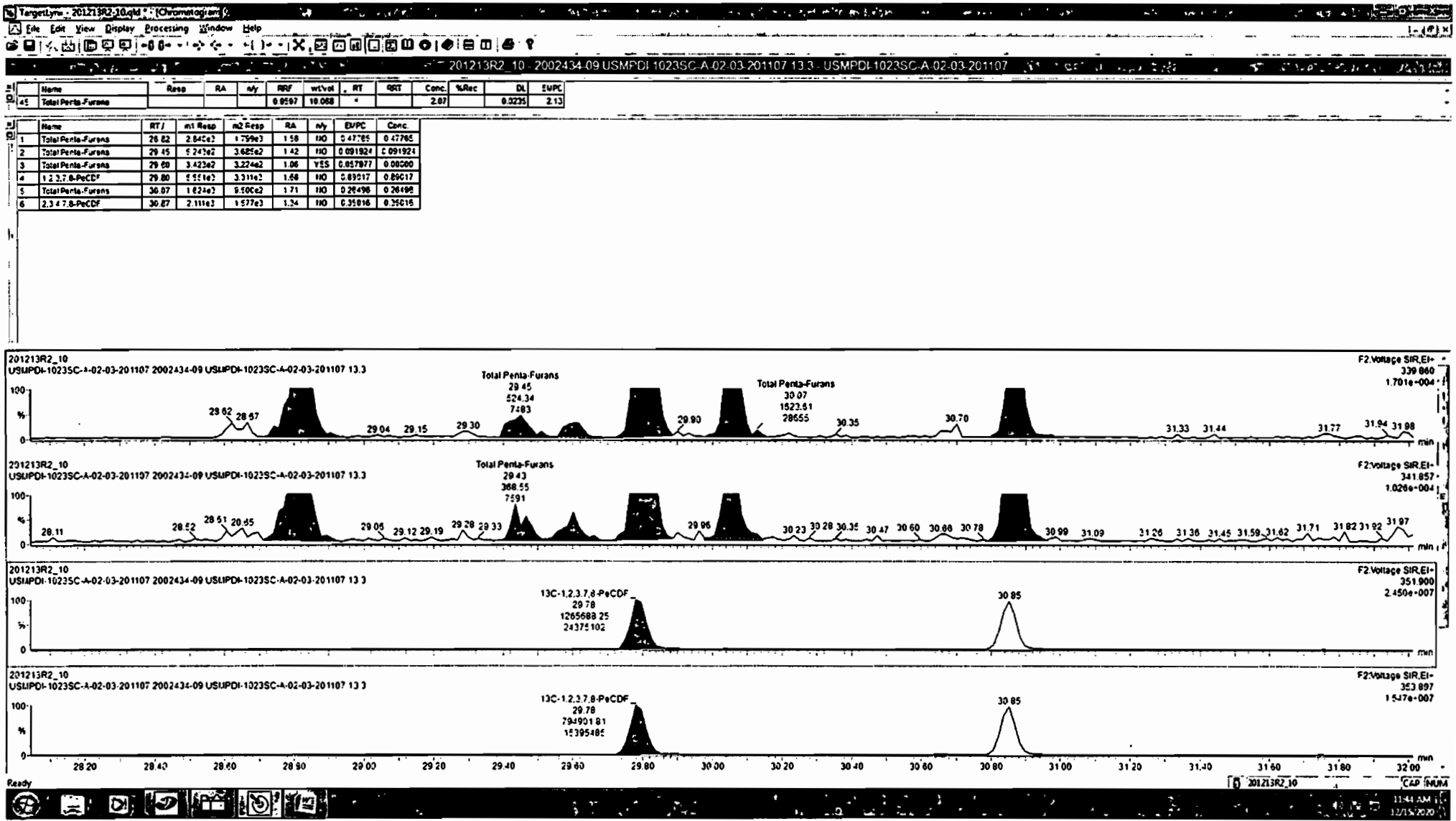


13C-1,2,3,7,8-PeCDF



DPE2



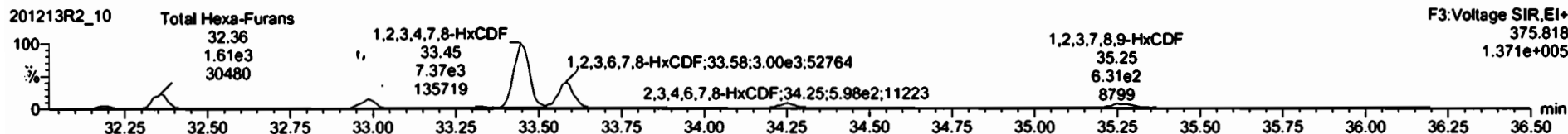
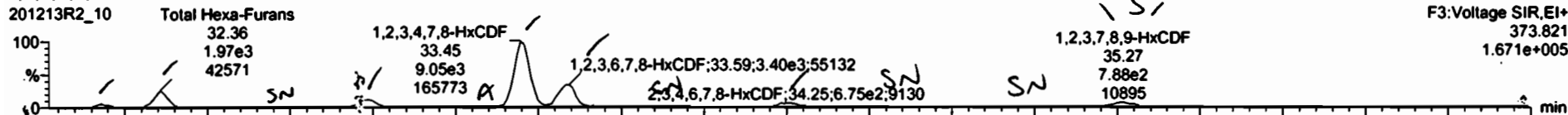


Dataset: Untitled

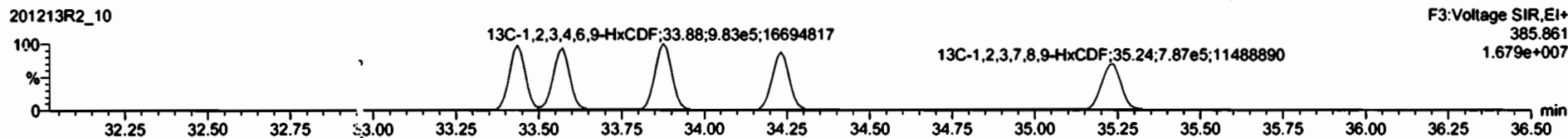
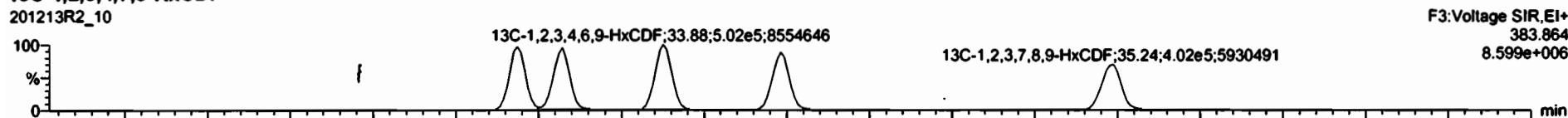
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

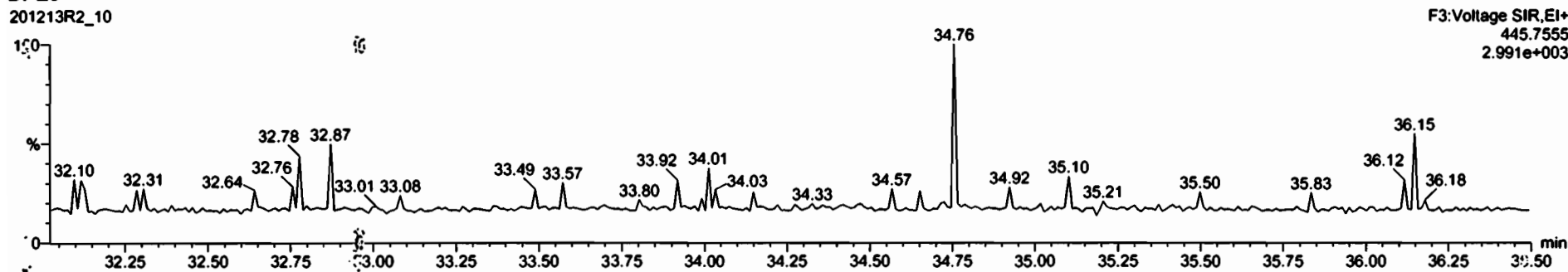
1,2,3,4,7,8-HxCDF



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

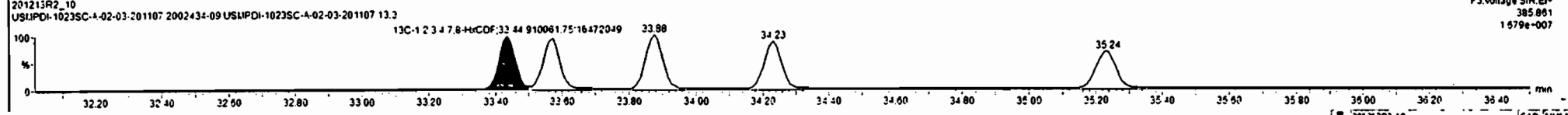
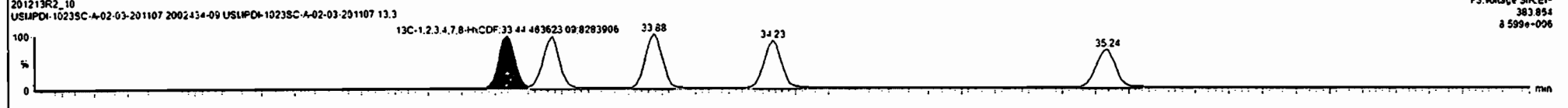
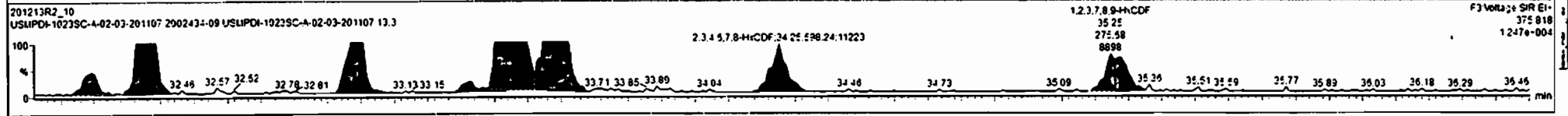
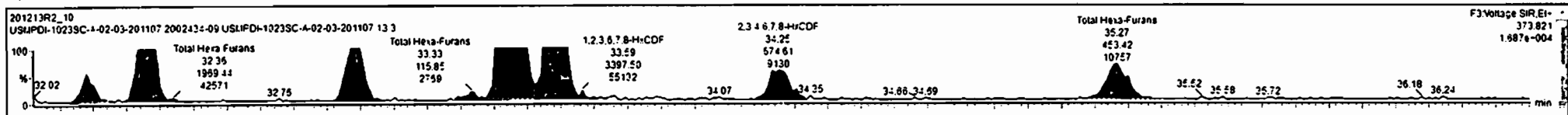


DPE3



Name	Resp	RA	ny	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
Total Hexa-Furans				0.9597	10.068			2.07		0.0235	2.13

Name	RT ₁	m1 Resp	m2 Resp	RA	ny	EMPC	Conc
1 Total Hexa-Furans	32.18	3.713e2	2.718e2	1.37	NO	0.055092	0.095462
2 Total Hexa-Furans	32.36	1.959e2	1.613e3	1.22	NO	0.53317	0.53317
3 Total Hexa-Furans	32.59	1.094e2	8.806e2	1.12	NO	0.30282	0.30282
4 Total Hexa-Furans	32.23	1.156e2	1.046e2	1.11	NO	0.022802	0.023853
5 1,2,3,4,7,8-HxCDF	33.45	9.087e3	7.413e3	1.23	NO	2.4200	2.4200
6 1,2,3,6,7,8-HxCDF	33.59	3.297e3	2.897e3	1.13	NO	0.89768	0.89768
7 2,3,4,6,7,8-HxCDF	34.25	6.746e2	5.802e2	1.13	NO	0.18929	0.18939
8 1,2,3,7,8,9-HxCDF	35.26	3.627e2	2.757e2	1.10	NO	0.897503	0.897503
9 Total Hexa-Furans	35.27	4.534e2	3.678e2	1.23	NO	0.12222	0.12222

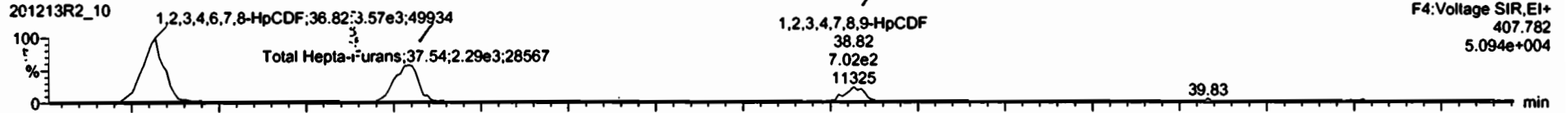


Dataset: Untitled

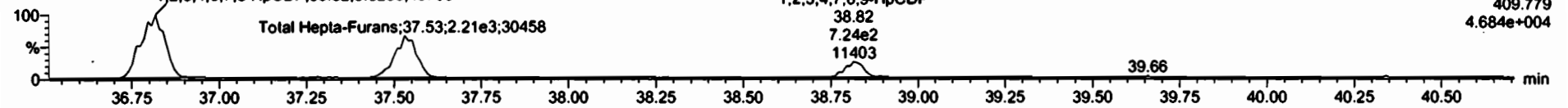
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

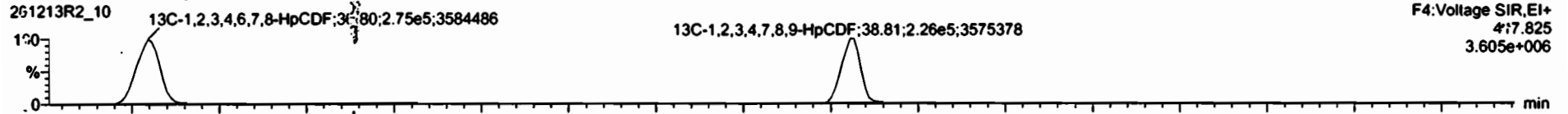
1,2,3,4,6,7,8-HpCDF



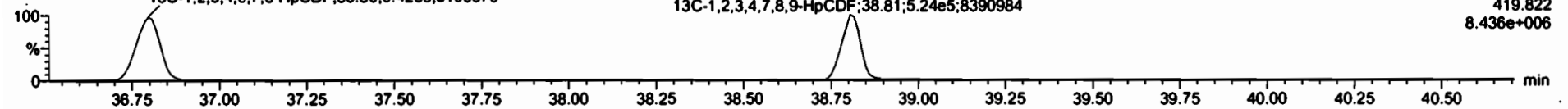
1,2,3,4,6,7,8-HpCDF



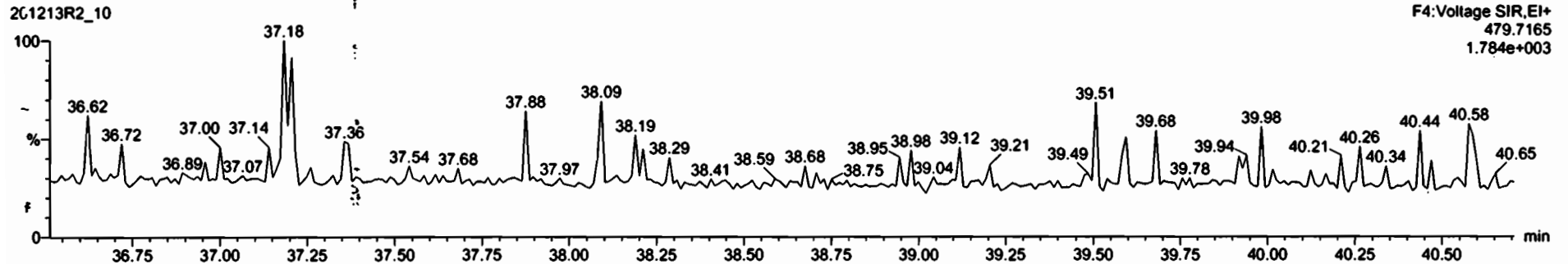
13C-1,2,3,4,6,7,8-HpCDF



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



DPE4



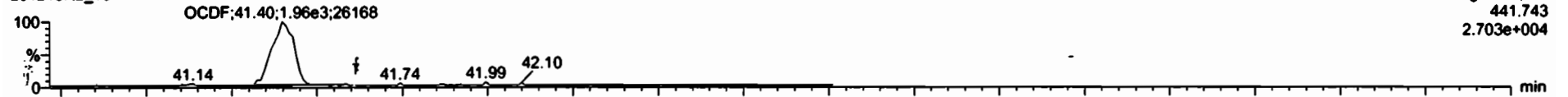
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

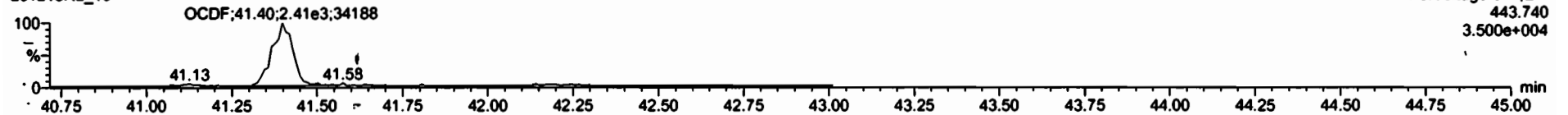
Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107

OCDF

201213R2_10

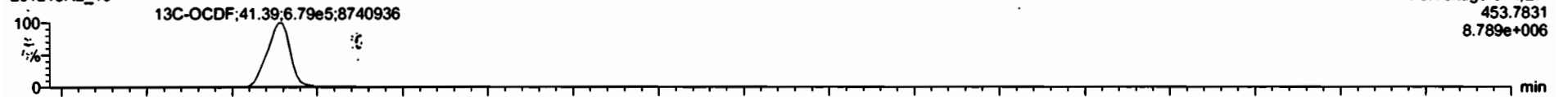


201213R2_10

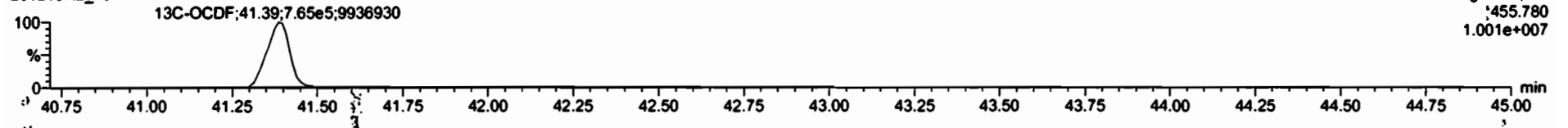


¹³C-OCDF

201213R2_10

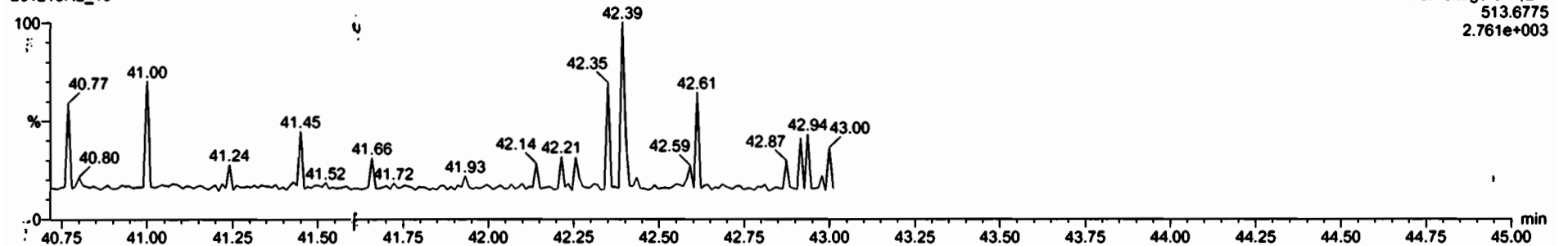


201213R2_10



DPE5

201213R2_10

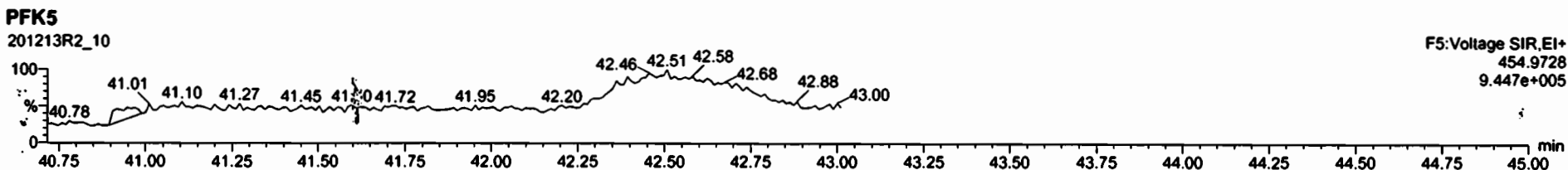
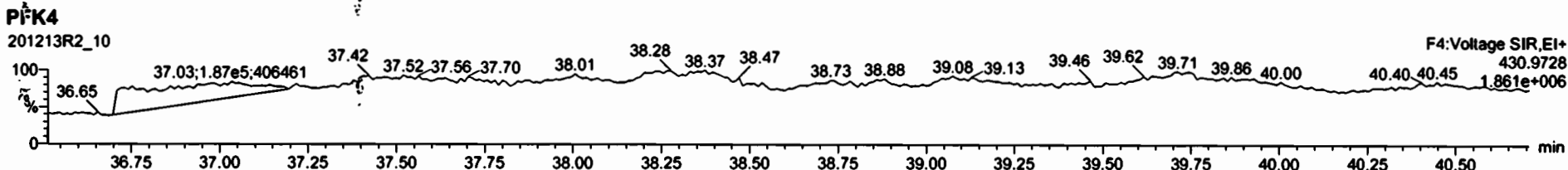
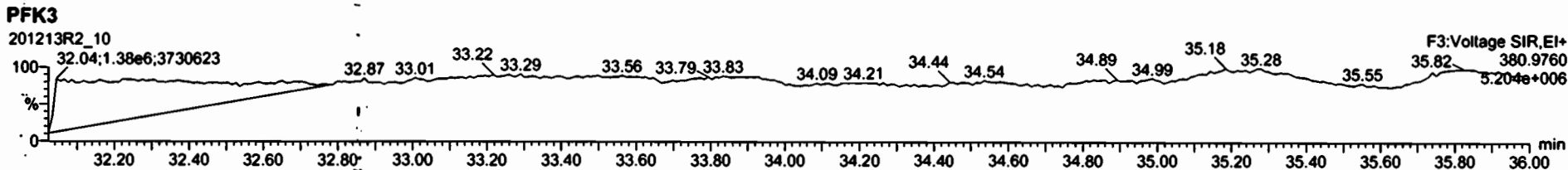
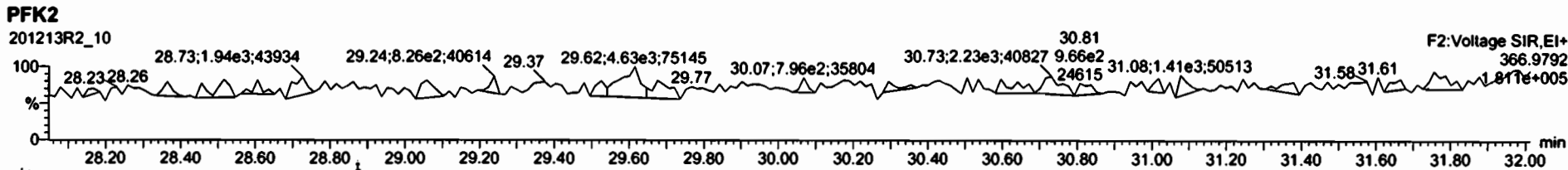
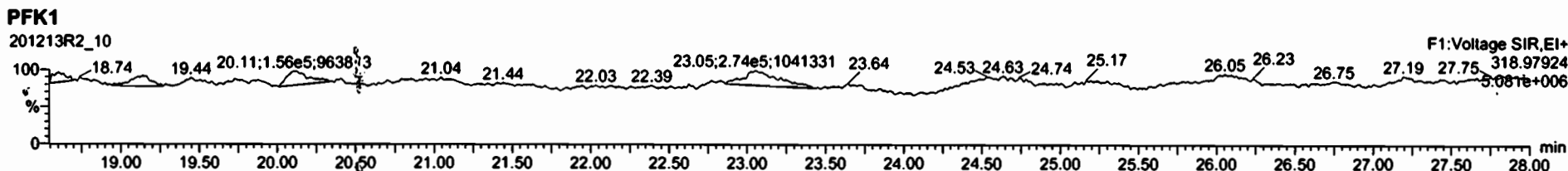


Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_10, Date: 13-Dec-2020, Time: 16:55:42, ID: 2002434-09 USMPDI-1023SC-A-02-03-201107 13.3, Description: USMPDI-1023SC-A-02-03-201107



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 12:36:56 Pacific Standard Time
Printed: Thursday, December 31, 2020 12:38:58 Pacific Standard Time

DB 12/31/20 @ 12/31/2020

Method: Untitled 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

	# 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	1.96e2	0.51	YES	1.00	11.040	26.020	26.02	1.001	1.001	0.49428		0.209	0.385
2	2 1,2,3,7,8-PeCDD	2.15e2	0.80	YES	0.935	11.040	30.488	30.47	1.001	1.000	0.74604		0.272	0.676
3	3 1,2,3,4,7,8-HxCDD	2.56e2	1.47	YES	1.15	11.040	33.711	33.71	1.000	1.000	0.91316		0.526	0.830
4	4 1,2,3,6,7,8-HxCDD	1.06e3	1.09	NO	1.02	11.040	33.822	33.82	1.000	1.000	3.8787		0.535	3.88
5	5 1,2,3,7,8,9-HxCDD	5.07e2	1.26	NO	1.06	11.040	34.130	34.12	1.001	1.001	1.8048		0.588	1.80
6	6 1,2,3,4,6,7,8-HpCDD	1.56e4	1.01	NO	1.00	11.040	37.531	37.54	1.000	1.001	71.272		1.43	71.3
7	7 OCDD	1.12e5	0.89	NO	0.952	11.040	40.691	40.70	1.000	1.000	705.55		1.08	706
8	8 2,3,7,8-TCDF	4.94e3	0.77	NO	1.01	11.040	25.357	25.35	1.001	1.001	8.4185		0.319	8.42
9	9 1,2,3,7,8-PeCDF	7.33e3	1.60	NO	0.998	11.040	29.280	29.28	1.001	1.001	15.448		0.221	15.4
10	10 2,3,4,7,8-PeCDF	3.77e3	1.58	NO	1.07	11.040	30.316	30.31	1.001	1.001	7.2189		0.183	7.22
11	11 1,2,3,4,7,8-HxCDF	8.47e3	1.18	NO	1.05	11.040	32.801	32.81	1.000	1.000	21.708		0.307	21.7
12	12 1,2,3,6,7,8-HxCDF	2.20e3	1.14	NO	1.10	11.040	32.943	32.95	1.000	1.001	5.2965		0.283	5.30
13	13 2,3,4,6,7,8-HxCDF	8.79e2	1.26	NO	1.09	11.040	33.625	33.62	1.001	1.001	2.2890		0.330	2.29
14	14 1,2,3,7,8,9-HxCDF	6.42e2	1.29	NO	1.08	11.040	34.601	34.63	1.000	1.001	1.8915		0.431	1.89
15	15 1,2,3,4,6,7,8-HpCDF	4.24e3	1.05	NO	1.13	11.040	36.217	36.19	1.001	1.000	14.025		0.475	14.0
16	16 1,2,3,4,7,8,9-HpCDF	9.51e2	1.15	NO	1.29	11.040	38.178	38.19	1.000	1.000	3.5156		0.449	3.52
17	17 OCDF	7.17e3	0.86	NO	0.953	11.040	41.009	41.03	1.000	1.001	36.180		0.355	36.2
18	18 13C-2,3,7,8-TCDD	7.16e4	0.78	NO	1.17	11.040	25.928	25.99	1.026	1.028	163.49	90.2	0.601	
19	19 13C-1,2,3,7,8-PeCDD	5.59e4	0.63	NO	0.914	11.040	30.474	30.47	1.206	1.206	163.90	90.5	0.545	
20	20 13C-1,2,3,4,7,8-HxCDD	4.41e4	1.35	NO	0.634	11.040	33.705	33.70	1.014	1.014	173.74	95.9	0.818	
21	21 13C-1,2,3,6,7,8-HxCDD	4.83e4	1.26	NO	0.724	11.040	33.815	33.82	1.017	1.018	166.39	91.8	0.716	
22	22 13C-1,2,3,7,8,9-HxCDD	4.80e4	1.29	NO	0.716	11.040	34.084	34.10	1.025	1.026	167.50	92.5	0.724	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.95e4	1.08	NO	0.660	11.040	37.528	37.52	1.129	1.129	149.32	82.4	1.17	
24	24 13C-OCDD	6.03e4	0.89	NO	0.587	11.040	40.533	40.69	1.219	1.224	256.59	70.8	0.728	
25	25 13C-2,3,7,8-TCDF	1.05e5	0.77	NO	1.02	11.040	25.329	25.33	1.002	1.002	168.77	93.2	0.674	
26	26 13C-1,2,3,7,8-PeCDF	8.61e4	1.62	NO	0.842	11.040	29.206	29.26	1.156	1.158	168.10	92.8	0.715	
27	27 13C-2,3,4,7,8-PeCDF	8.81e4	1.70	NO	0.802	11.040	30.098	30.29	1.191	1.198	180.66	99.7	0.751	
28	28 13C-1,2,3,4,7,8-HxCDF	6.72e4	0.50	NO	1.00	11.040	32.841	32.80	0.988	0.987	167.44	92.4	0.772	
29	29 13C-1,2,3,6,7,8-HxCDF	6.84e4	0.50	NO	1.02	11.040	32.974	32.93	0.992	0.991	167.75	92.6	0.760	
30	30 13C-2,3,4,6,7,8-HxCDF	6.40e4	0.51	NO	0.955	11.040	33.542	33.59	1.009	1.011	167.24	92.3	0.810	
31	31 13C-1,2,3,7,8,9-HxCDF	5.68e4	0.52	NO	0.851	11.040	34.616	34.60	1.041	1.041	166.71	92.0	0.909	

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 12:36:56 Pacific Standard Time
Printed: Thursday, December 31, 2020 12:38:58 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

#	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	4.84e4	0.43	NO	0.848	11.040	36.132	36.18	1.087	1.088	142.54	78.7	0.979	
33	13C-1,2,3,4,7,8,9-HpCDF	3.81e4	0.45	NO	0.624	11.040	38.126	38.18	1.147	1.149	152.50	84.2	1.33	
34	13C-OCDF	7.53e4	0.89	NO	0.730	11.040	40.686	41.01	1.224	1.234	257.78	71.1	0.657	
35	37Cl-2,3,7,8-TCDD	3.12e4			1.21	11.040	25.926	26.00	1.026	1.029	69.283	95.6	0.320	
36	13C-1,2,3,4-TCDD	6.76e4	0.80	NO	1.00	11.040	25.300	25.27	1.000	1.000	181.16	100	0.705	
37	13C-1,2,3,4-TCDF	1.10e5	0.80	NO	1.00	11.040	23.880	23.85	1.000	1.000	181.16	100	0.689	
38	13C-1,2,3,4,6,9-HxCDF	7.25e4	0.50	NO	1.00	11.040	33.310	33.24	1.000	1.000	181.16	100	0.774	
39	Total Tetra-Dioxins				1.00	11.040	24.620		0.000		4.1789		0.209	6.13
40	Total Penta-Dioxins				0.935	11.040	29.960		0.000		2.6130		0.272	6.33
41	Total Hexa-Dioxins				1.02	11.040	33.635		0.000		32.903		0.578	33.7
42	Total Hepta-Dioxins				1.00	11.040	37.640		0.000		162.30		1.43	162
43	Total Tetra-Furans				1.01	11.040	23.610		0.000		30.395		0.319	34.2
44	1st Func. Penta-Furans				0.998	11.040	26.750		0.000		6.2866		0.0809	6.29
45	Total Penta-Furans				0.998	11.040	29.275		0.000		38.739		0.209	41.1
46	Total Hexa-Furans				1.09	11.040	33.555		0.000		60.026		0.331	60.0
47	Total Hepta-Furans				1.13	11.040	37.835		0.000		50.217		0.490	50.2

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 12:36:56 Pacific Standard Time

Printed: Thursday, December 31, 2020 12:38:58 Pacific Standard Time

Method: Untitled 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

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	2.279e3	2.705e3	2.085e2	2.297e2	0.91	YES	0.000e0	0.00000	1.0265	0.209
2	Total Tetra-Dioxins	22.73	1.435e3	1.685e3	1.022e2	1.526e2	0.67	NO	2.548e2	0.64327	0.64327	0.209
3	Total Tetra-Dioxins	23.24	7.100e2	1.754e3	5.551e1	6.908e1	0.80	NO	1.246e2	0.31459	0.31459	0.209
4	Total Tetra-Dioxins	24.02	1.007e3	1.102e3	4.910e1	4.661e1	1.05	YES	0.000e0	0.00000	0.20831	0.209
5	Total Tetra-Dioxins	24.26	8.030e2	8.400e2	7.804e1	7.466e1	1.05	YES	0.000e0	0.00000	0.33368	0.209
6	Total Tetra-Dioxins	24.46	1.098e3	1.190e3	6.462e1	7.704e1	0.84	NO	1.417e2	0.35770	0.35770	0.209
7	Total Tetra-Dioxins	25.74	8.134e3	9.662e3	5.099e2	6.241e2	0.82	NO	1.134e3	2.8633	2.8633	0.209
8	2,3,7,8-TCDD	26.02	1.258e3	2.169e3	6.633e1	1.295e2	0.51	YES	1.958e2	0.00000	0.38499	0.209

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.33	3.994e3	5.546e3	3.156e2	4.388e2	0.72	NO	7.544e2	2.6130	2.6130	0.272
2	Total Penta-Dioxins	28.76	1.748e3	2.446e3	1.094e2	1.013e2	1.08	YES	0.000e0	0.00000	0.57214	0.272
3	Total Penta-Dioxins	29.50	2.235e3	2.627e3	1.995e2	2.460e2	0.81	YES	0.000e0	0.00000	1.3889	0.272
4	Total Penta-Dioxins	29.72	1.902e3	2.679e3	9.754e1	2.049e2	0.48	YES	0.000e0	0.00000	0.87410	0.272
5	1,2,3,7,8-PeCDD	30.47	2.106e3	3.070e3	9.569e1	1.197e2	0.80	YES	2.154e2	0.00000	0.67583	0.272
6	Total Penta-Dioxins	30.55	9.340e2	1.166e3	3.082e1	3.683e1	0.84	YES	0.000e0	0.00000	0.20793	0.272

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.09	3.654e4	3.233e4	1.829e3	1.561e3	1.17	NO	3.390e3	12.823	12.823	0.578
2	Total Hexa-Dioxins	32.67	4.551e3	3.999e3	2.479e2	1.847e2	1.34	NO	4.326e2	1.6365	1.6365	0.578
3	Total Hexa-Dioxins	32.97	2.649e4	2.352e4	1.727e3	1.399e3	1.23	NO	3.127e3	11.827	11.827	0.578
4	Total Hexa-Dioxins	33.05	3.107e3	2.405e3	1.275e2	1.192e2	1.07	NO	2.467e2	0.93328	0.93328	0.578
5	1,2,3,4,7,8-HxCDD	33.71	2.418e3	2.038e3	1.521e2	1.038e2	1.47	YES	2.560e2	0.00000	0.82963	0.526
6	1,2,3,6,7,8-HxCDD	33.82	8.775e3	9.055e3	5.520e2	5.057e2	1.09	NO	1.058e3	3.8787	3.8787	0.535
7	1,2,3,7,8,9-HxCDD	34.12	4.306e3	3.877e3	2.827e2	2.247e2	1.26	NO	5.074e2	1.8048	1.8048	0.588

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 12:36:56 Pacific Standard Time

Printed: Thursday, December 31, 2020 12:38:58 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.58	1.370e5	1.369e5	9.948e3	9.923e3	1.00	NO	1.987e4	91.032	91.032	1.43
2	1,2,3,4,6,7,8-HpCDD	37.54	1.389e5	1.387e5	7.827e3	7.730e3	1.01	NO	1.556e4	71.272	71.272	1.43

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.18	1.744e3	2.846e3	1.226e2	1.843e2	0.67	NO	3.069e2	0.52299	0.52299	0.319
2	Total Tetra-Furans	20.75	1.851e3	2.822e3	1.491e2	1.916e2	0.78	NO	3.407e2	0.58048	0.58048	0.319
3	Total Tetra-Furans	21.56	8.262e3	9.561e3	7.619e2	9.900e2	0.77	NO	1.752e3	2.9852	2.9852	0.319
4	Total Tetra-Furans	22.04	2.562e3	3.525e3	3.951e2	4.537e2	0.87	NO	8.488e2	1.4464	1.4464	0.319
5	Total Tetra-Furans	22.44	8.628e3	1.026e4	8.177e2	9.295e2	0.88	NO	1.747e3	2.9772	2.9772	0.319
6	Total Tetra-Furans	22.87	4.841e3	5.892e3	5.311e2	6.632e2	0.80	NO	1.194e3	2.0352	2.0352	0.319
7	Total Tetra-Furans	23.22	2.303e3	3.676e3	1.990e2	2.891e2	0.69	NO	4.881e2	0.83175	0.83175	0.319
8	Total Tetra-Furans	23.73	1.279e3	3.639e3	9.384e1	1.422e2	0.66	NO	0.000e0	0.00000	0.40227	0.319
9	Total Tetra-Furans	23.96	5.161e3	6.522e3	7.023e2	8.210e2	0.86	NO	1.523e3	2.5958	2.5958	0.319
10	Total Tetra-Furans	24.40	2.780e4	2.799e4	1.881e3	2.150e3	0.88	NO	4.031e3	6.8686	6.8686	0.319
11	Total Tetra-Furans	24.69	2.352e3	3.302e3	1.234e2	2.074e2	0.59	YES	0.000e0	0.00000	0.48318	0.319
12	Total Tetra-Furans	25.09	1.824e3	1.711e3	7.749e1	1.016e2	0.76	NO	1.791e2	0.30517	0.30517	0.319
13	Total Tetra-Furans	25.22	5.127e3	7.479e3	4.120e2	4.425e2	0.93	YES	0.000e0	0.00000	1.3347	0.319
14	2,3,7,8-TCDF	25.35	3.289e4	4.407e4	2.143e3	2.798e3	0.77	NO	4.940e3	8.4185	8.4185	0.319
15	Total Tetra-Furans	25.64	3.358e3	2.450e3	2.055e2	2.803e2	0.73	NO	4.859e2	0.82791	0.82791	0.319
16	Total Tetra-Furans	25.90	1.305e3	1.288e3	7.933e1	6.664e1	1.19	YES	0.000e0	0.00000	0.20099	0.319
17	Total Tetra-Furans	26.80	2.481e3	2.147e3	1.011e2	9.227e1	1.10	YES	0.000e0	0.00000	0.27829	0.319
18	Total Tetra-Furans	27.00	4.327e3	2.958e3	2.348e2	1.959e2	1.20	YES	0.000e0	0.00000	0.59071	0.319
19	Total Tetra-Furans	27.15	3.097e3	4.211e3	1.409e2	2.472e2	0.57	YES	0.000e0	0.00000	0.55172	0.319

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.77	2.896e4	1.830e4	1.836e3	1.180e3	1.56	NO	3.016e3	6.2866	6.2866	0.0809

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 12:36:56 Pacific Standard Time

Printed: Thursday, December 31, 2020 12:38:58 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.17	2.903e3	2.583e3	2.070e2	1.964e2	1.05	YES	0.000e0	0.00000	0.70996	0.209
2	Total Penta-Furans	28.33	4.597e4	2.654e4	2.812e3	1.690e3	1.66	NO	4.503e3	9.3853	9.3853	0.209
3	Total Penta-Furans	28.94	9.293e3	5.456e3	4.756e2	3.673e2	1.29	YES	0.000e0	0.00000	1.6310	0.209
4	Total Penta-Furans	29.10	7.374e3	4.150e3	3.541e2	2.420e2	1.46	NO	5.961e2	1.2425	1.2425	0.209
5	1,2,3,7,8-PeCDF	29.28	9.232e4	5.297e4	4.506e3	2.820e3	1.60	NO	7.326e3	15.448	15.448	0.221
6	Total Penta-Furans	29.52	2.404e4	1.635e4	1.273e3	8.105e2	1.57	NO	2.083e3	4.3426	4.3426	0.209
7	2,3,4,7,8-PeCDF	30.31	4.414e4	2.824e4	2.310e3	1.462e3	1.58	NO	3.772e3	7.2189	7.2189	0.183
8	Total Penta-Furans	31.11	3.676e3	2.307e3	3.149e2	2.140e2	1.47	NO	5.289e2	1.1023	1.1023	0.209

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.56	1.377e4	1.225e4	6.297e2	5.543e2	1.14	NO	1.184e3	3.0762	3.0762	0.331
2	Total Hexa-Furans	31.73	4.790e4	3.355e4	2.003e3	1.605e3	1.25	NO	3.608e3	9.3742	9.3742	0.331
3	Total Hexa-Furans	32.35	6.467e4	5.160e4	3.158e3	2.636e3	1.20	NO	5.794e3	15.054	15.054	0.331
4	1,2,3,4,7,8-HxCDF	32.81	8.428e4	7.306e4	4.594e3	3.878e3	1.18	NO	8.472e3	21.708	21.708	0.307
5	1,2,3,6,7,8-HxCDF	32.95	2.176e4	1.768e4	1.171e3	1.029e3	1.14	NO	2.200e3	5.2965	5.2965	0.283
6	2,3,4,6,7,8-HxCDF	33.62	9.770e3	6.441e3	4.905e2	3.884e2	1.26	NO	8.789e2	2.2890	2.2890	0.330
7	1,2,3,7,8,9-HxCDF	34.63	9.607e3	8.595e3	3.615e2	2.804e2	1.29	NO	6.419e2	1.8915	1.8915	0.431
8	Total Hexa-Furans	34.66	9.063e3	8.595e3	2.844e2	2.300e2	1.24	NO	5.144e2	1.3365	1.3365	0.331

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.19	3.028e4	3.081e4	2.166e3	2.073e3	1.05	NO	4.239e3	14.025	14.025	0.475
2	Total Hepta-Furans	36.89	6.512e4	6.227e4	4.440e3	4.385e3	1.01	NO	8.826e3	32.676	32.676	0.490
3	1,2,3,4,7,8,9-HpCDF	38.19	8.171e3	7.550e3	5.081e2	4.433e2	1.15	NO	9.514e2	3.5156	3.5156	0.449

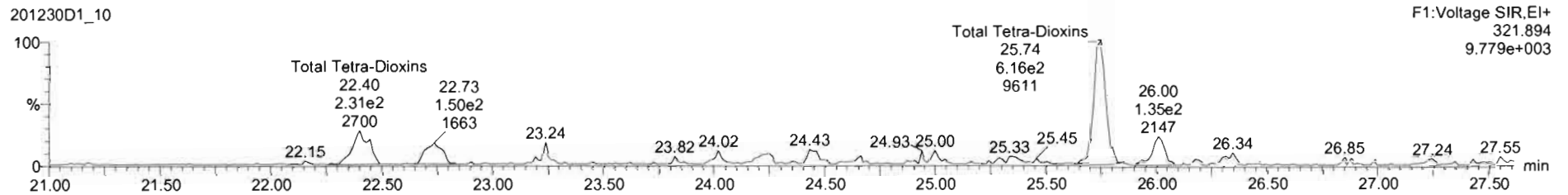
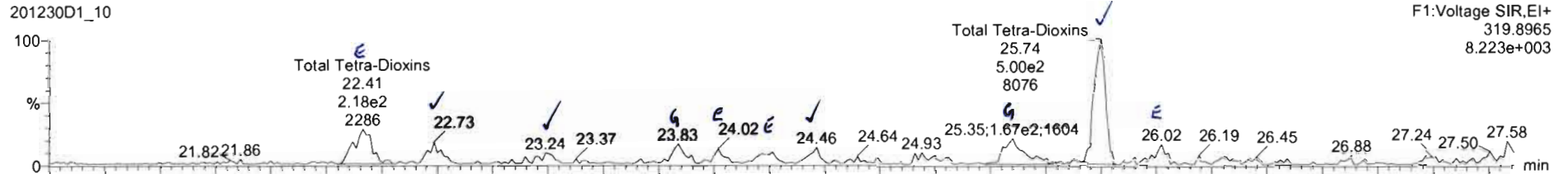
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

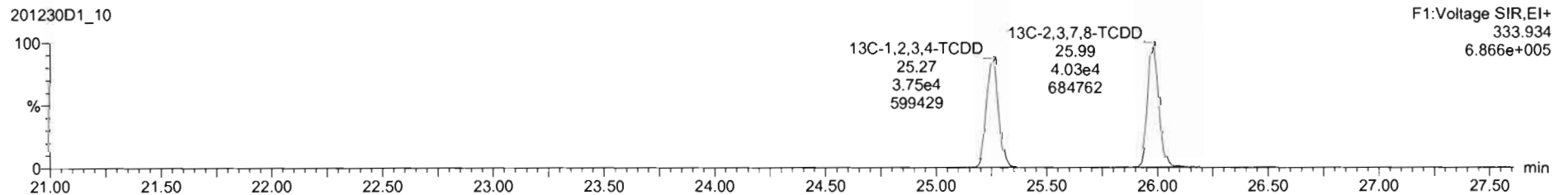
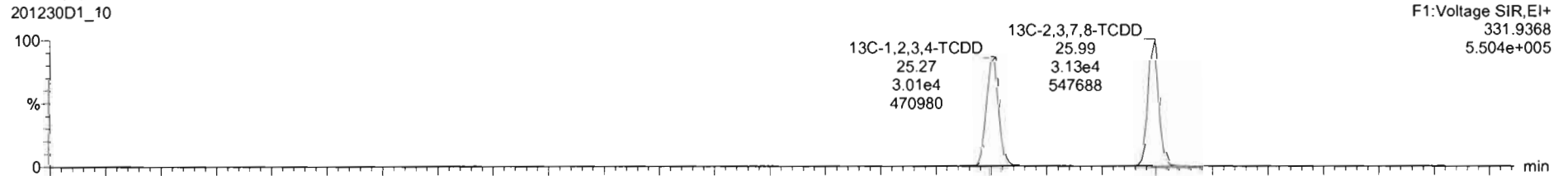
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 10 Dec 2020 12:07:43
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

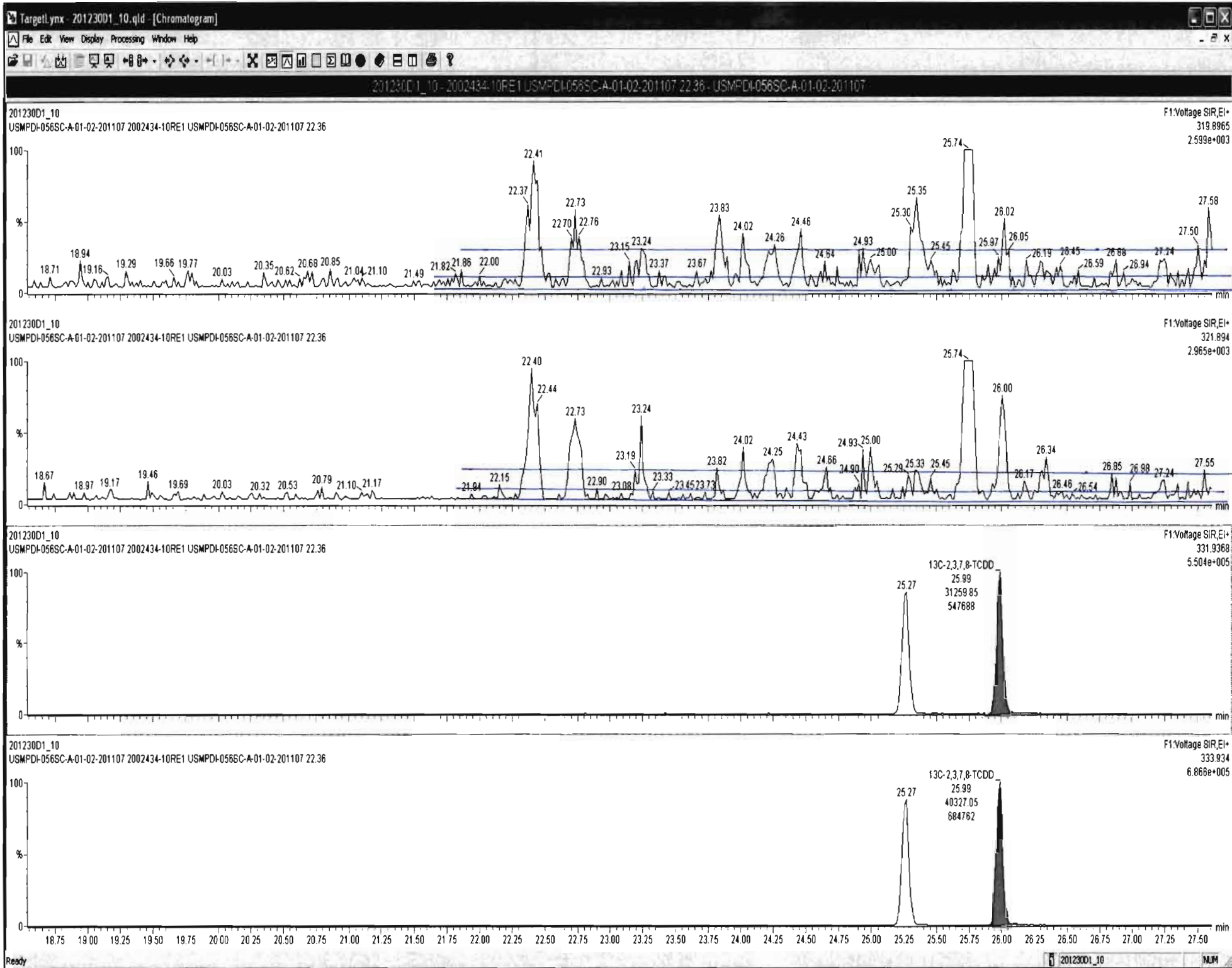
Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

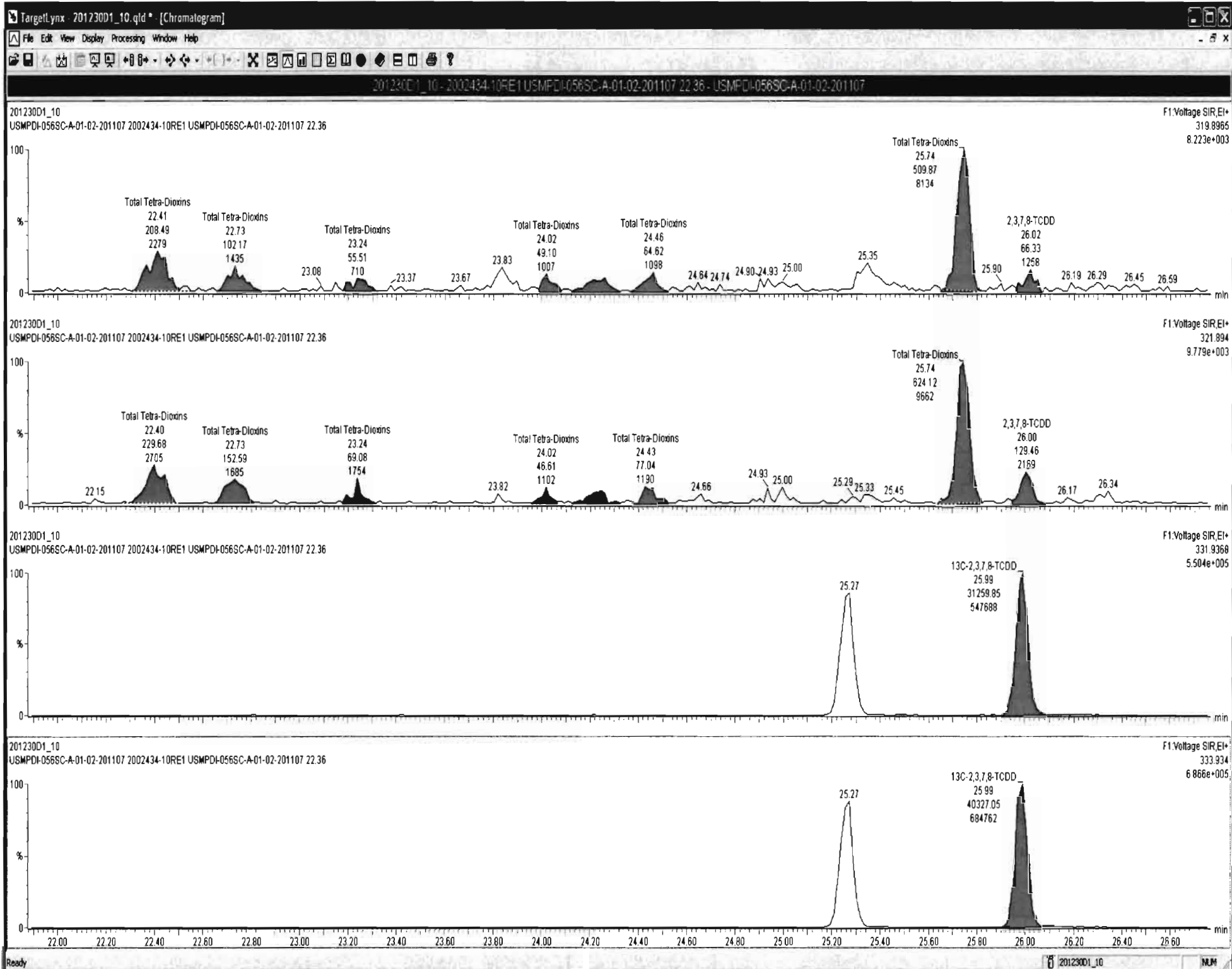
2,3,7,8-TCDD

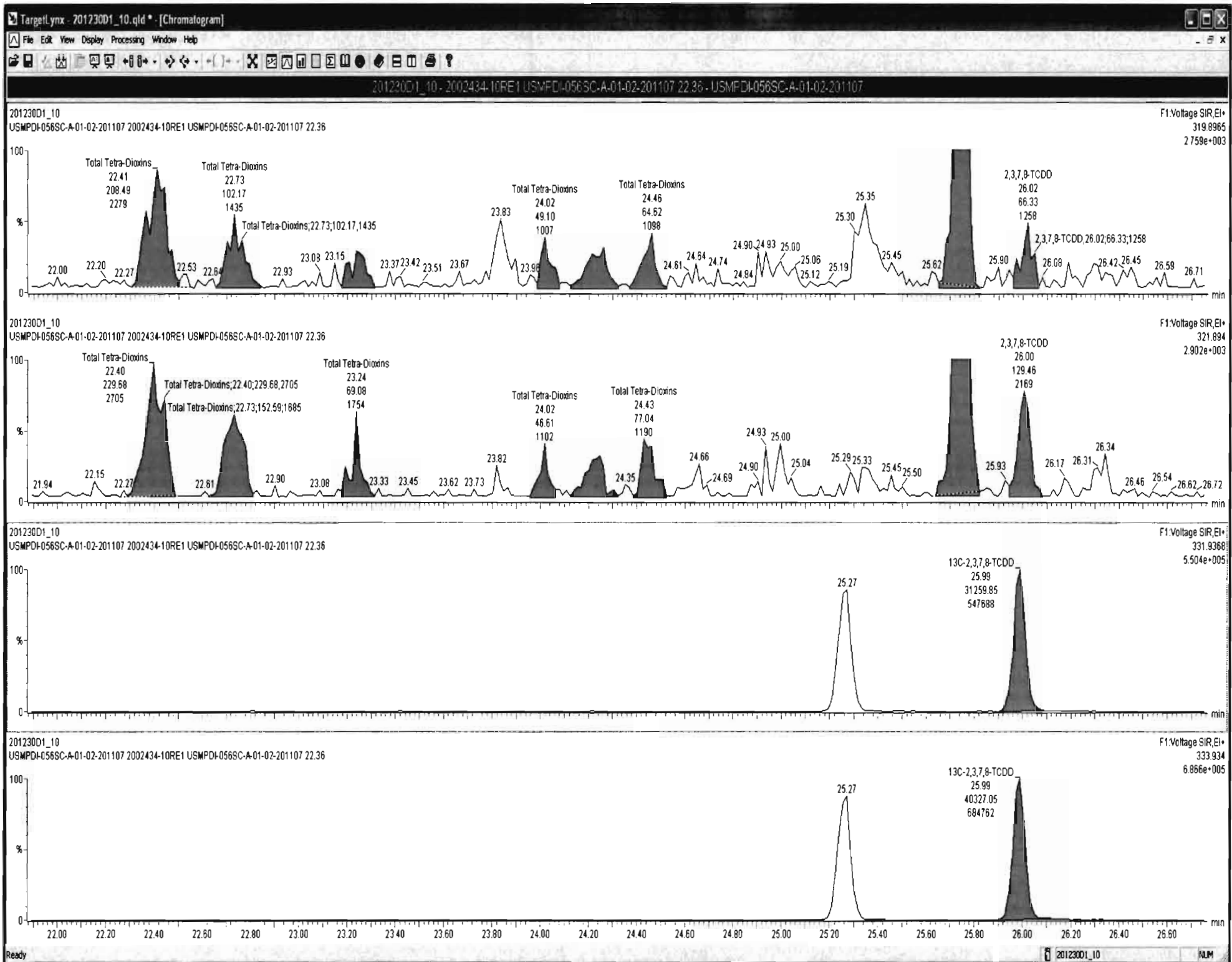


13C-2,3,7,8-TCDD









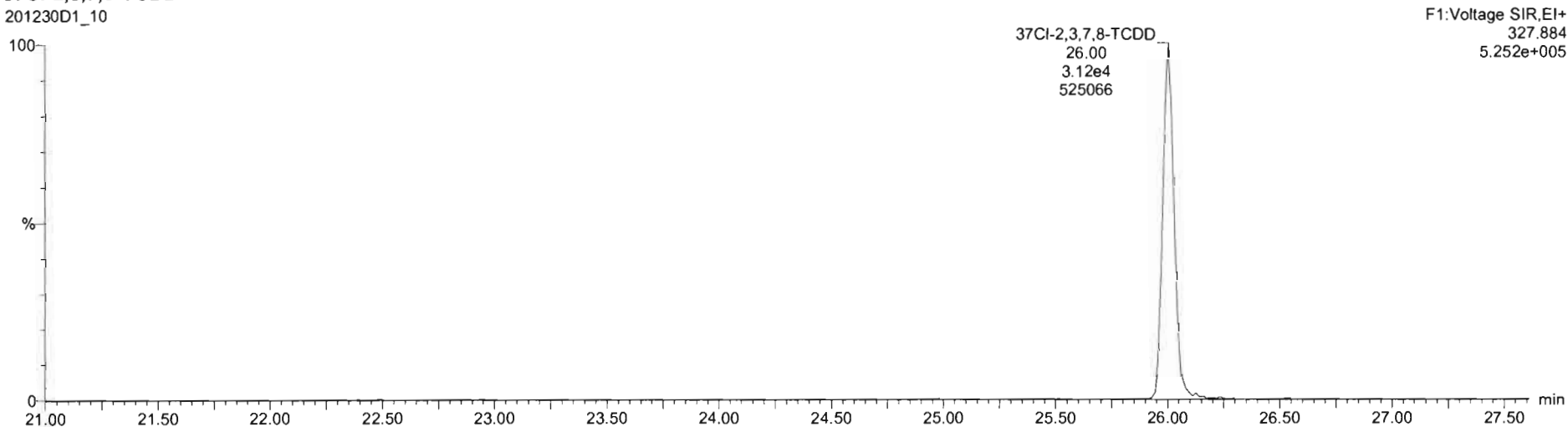
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

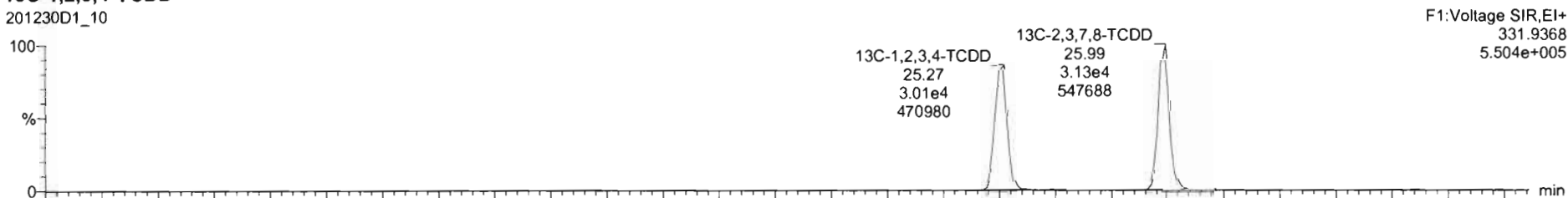
37Cl-2,3,7,8-TCDD

201230D1_10

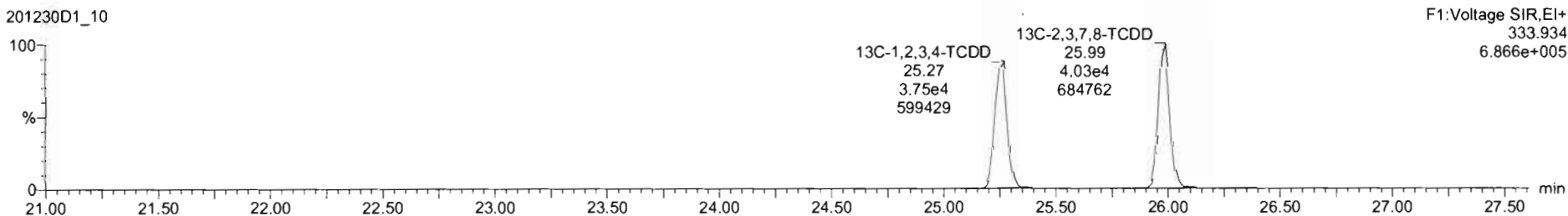


13C-1,2,3,4-TCDD

201230D1_10



201230D1_10

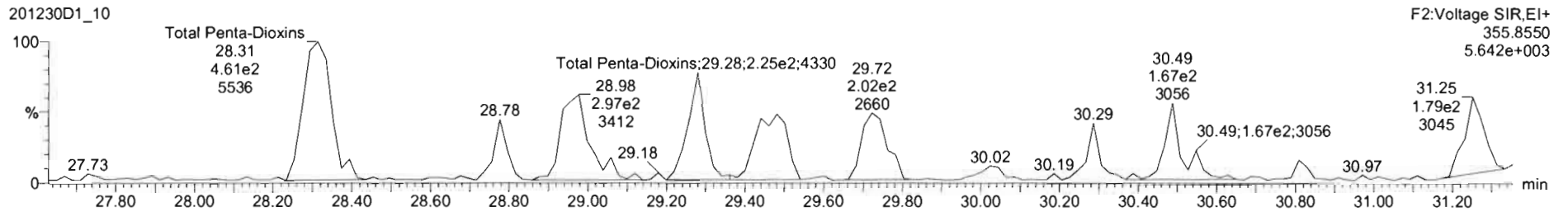
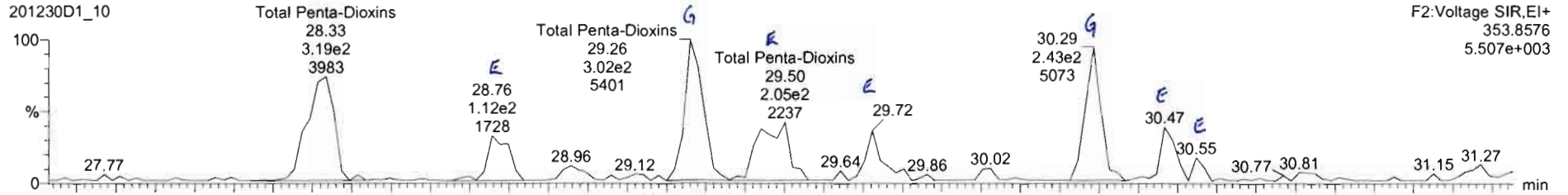


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

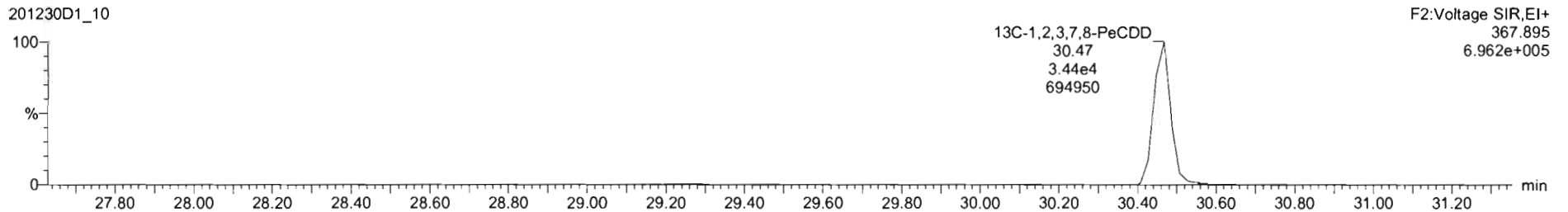
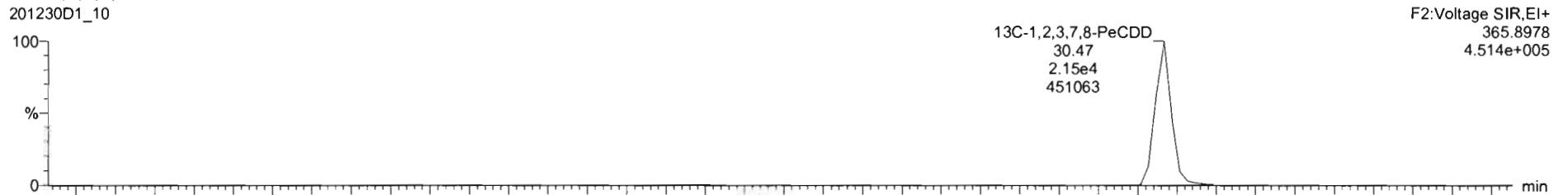
Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

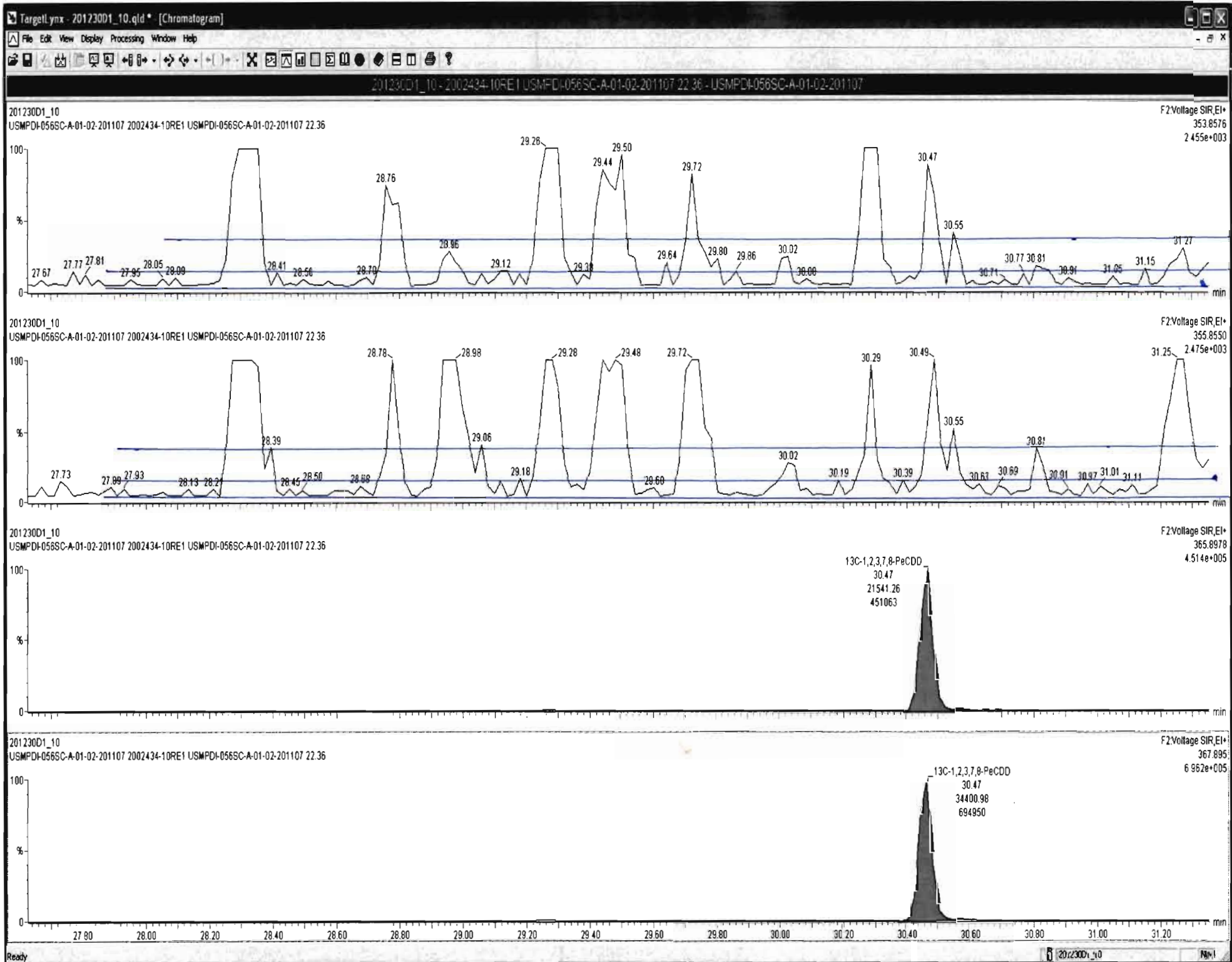
Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

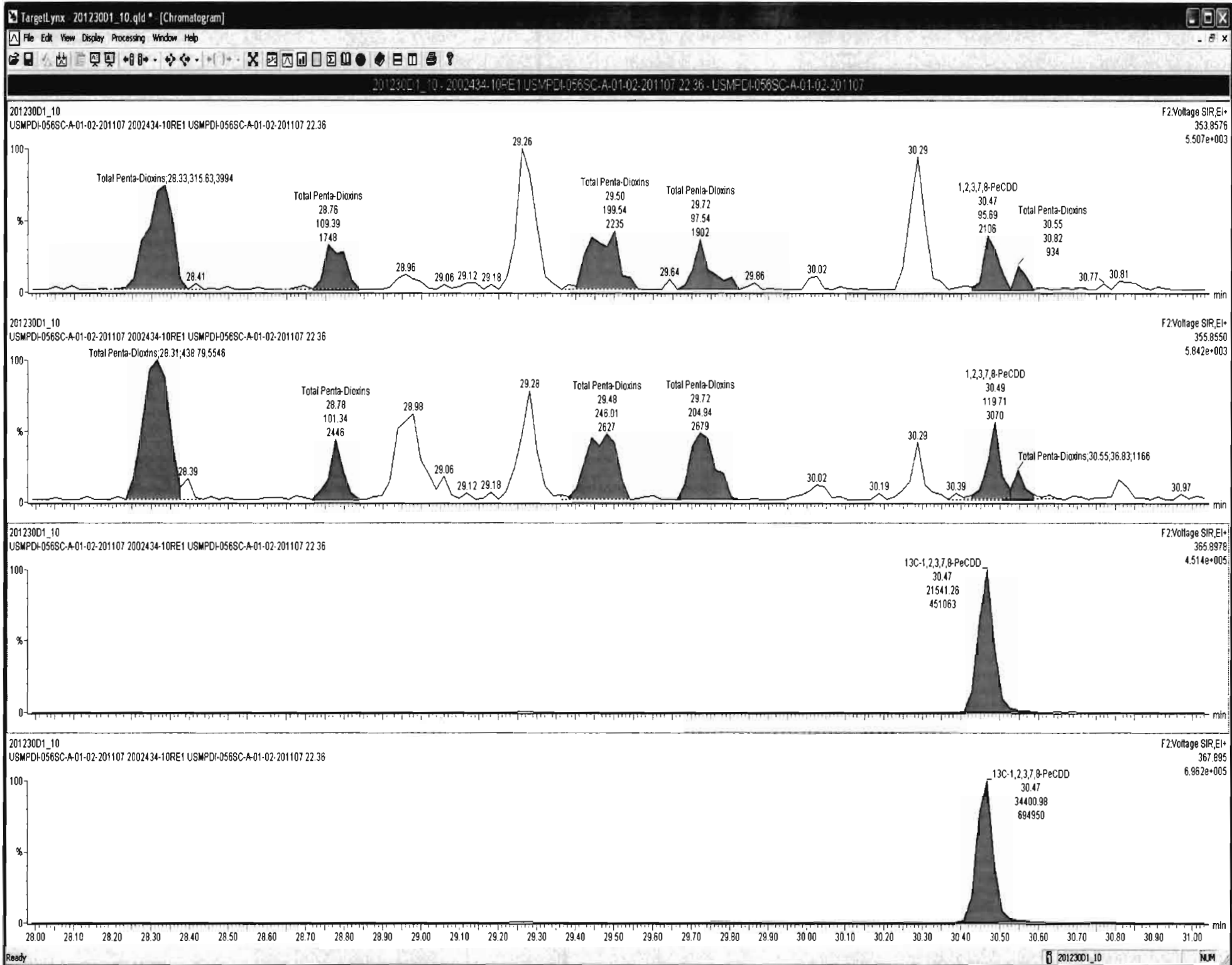
1,2,3,7,8-PeCDD



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





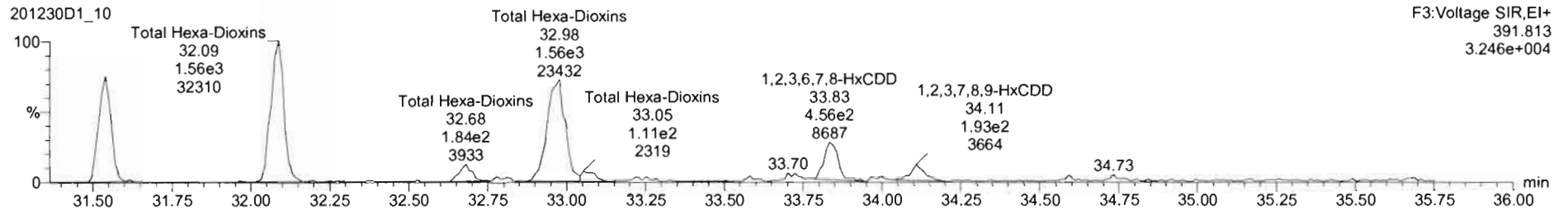
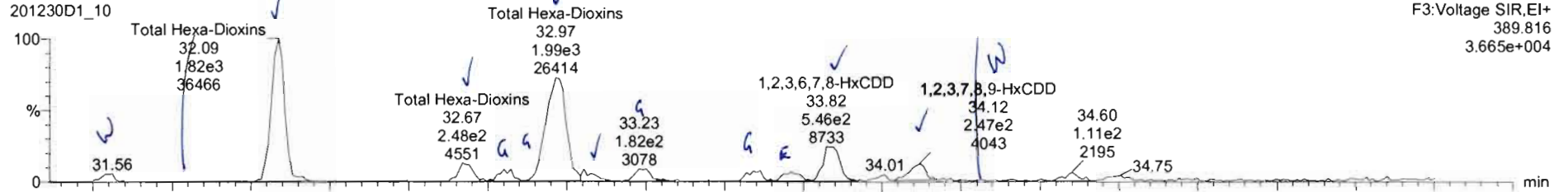


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

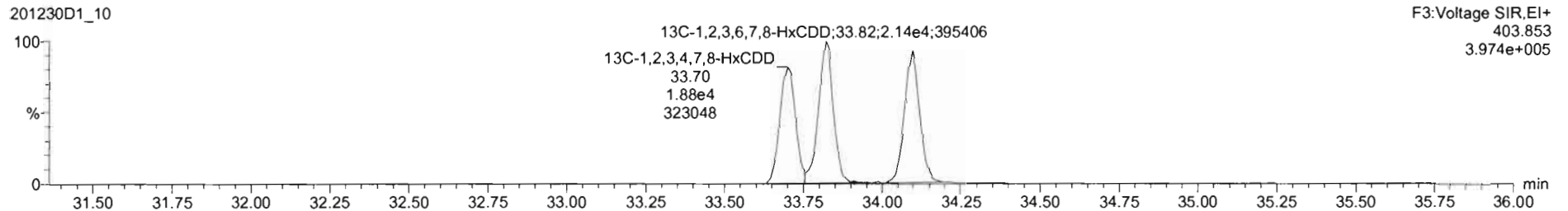
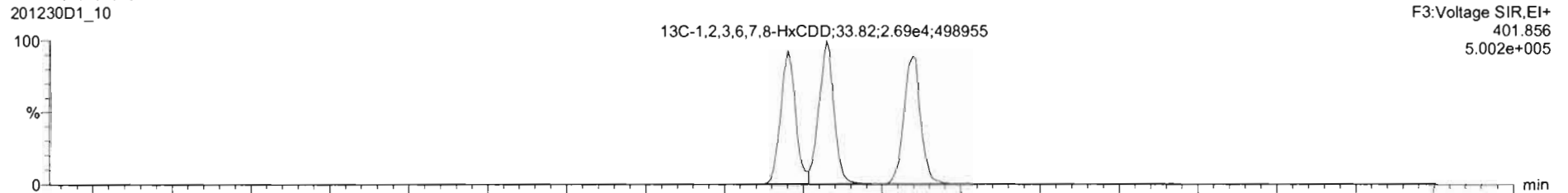
Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

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

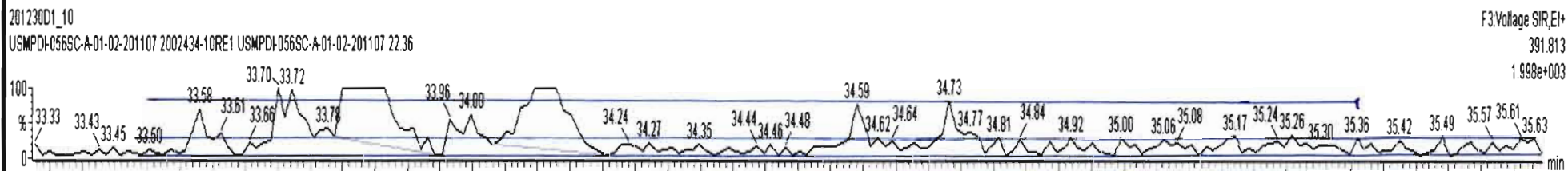
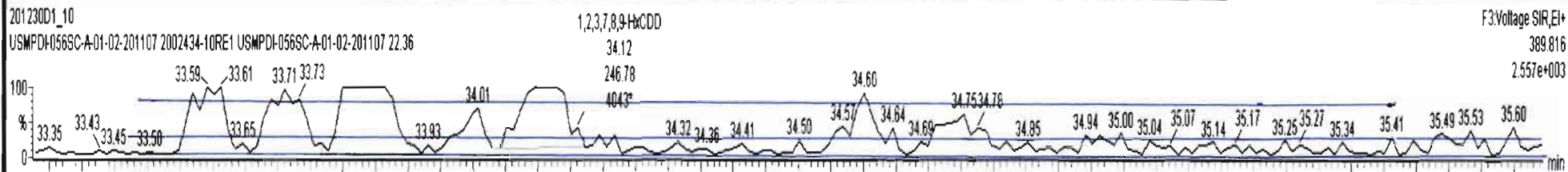


13C-1,2,3,4,7,8-HxCDD



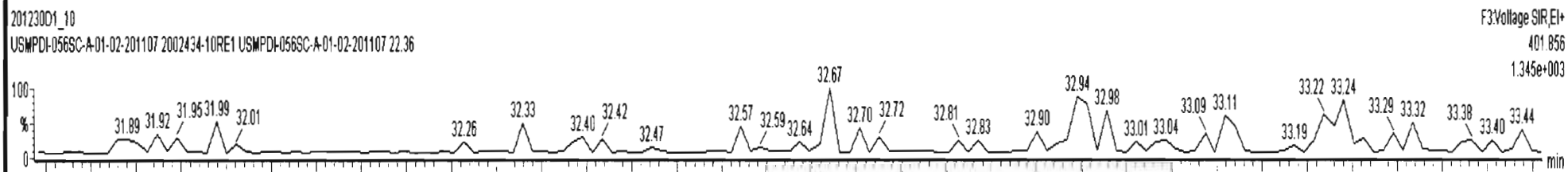
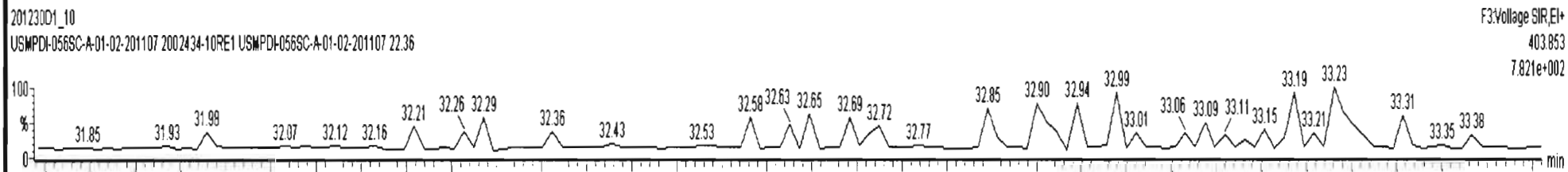
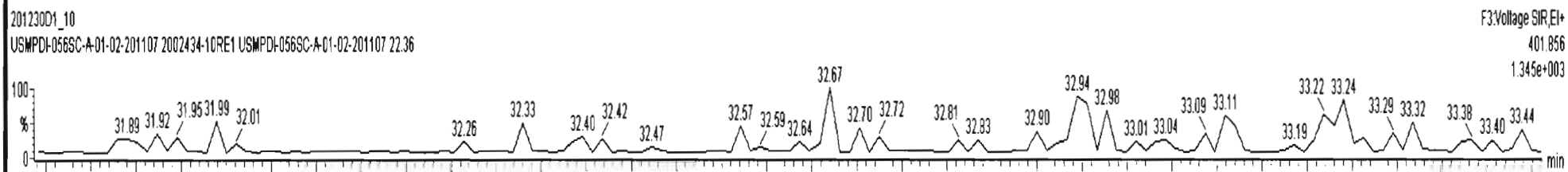
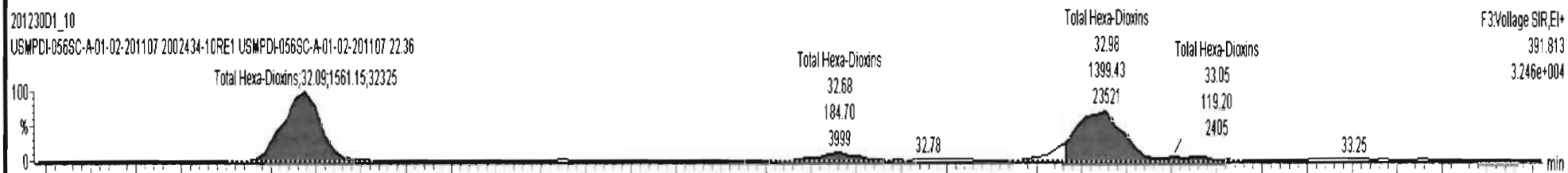
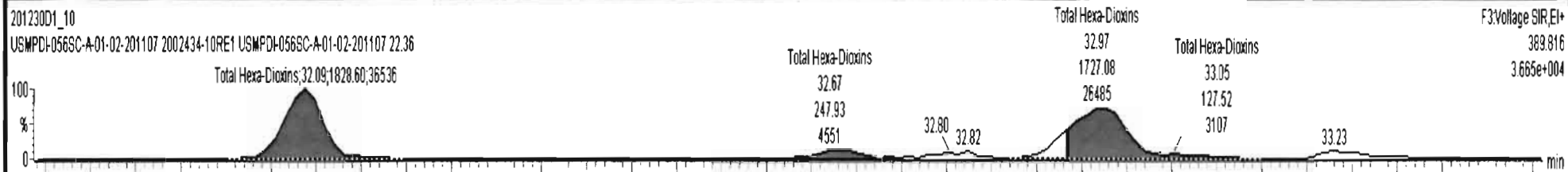


201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107

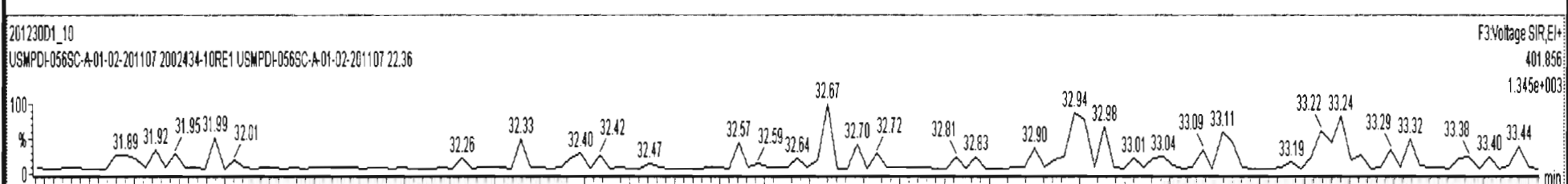
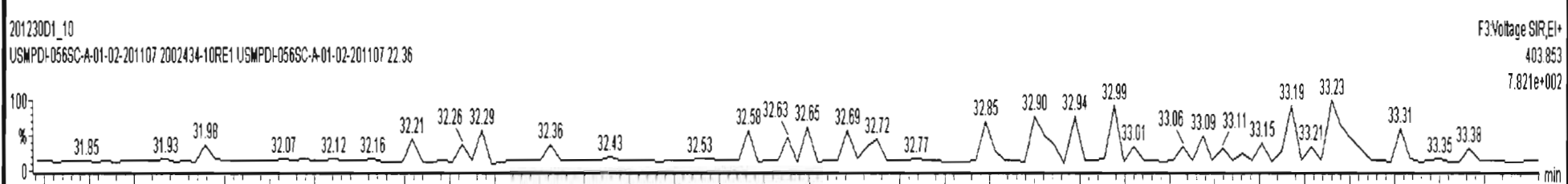
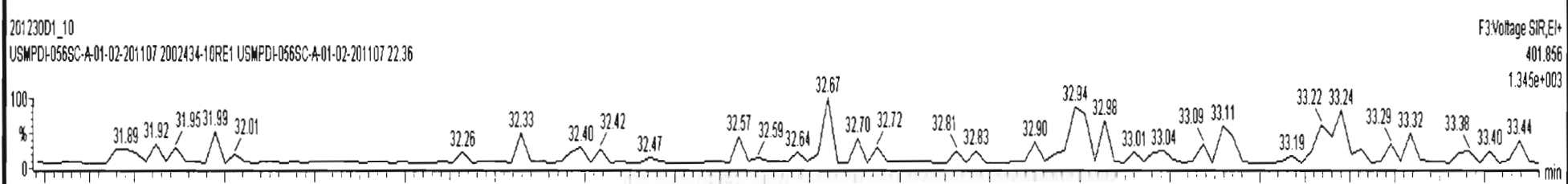
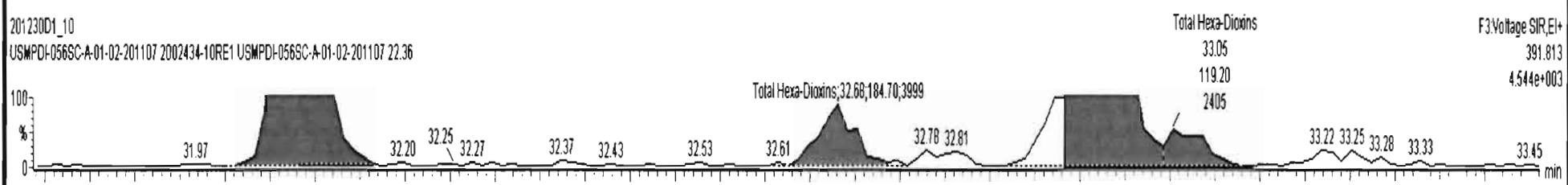
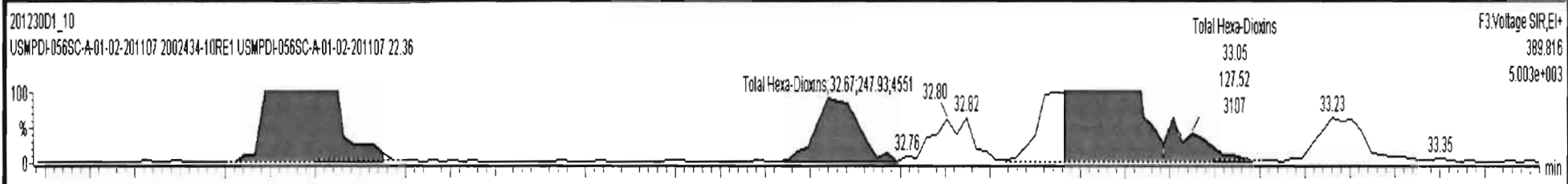


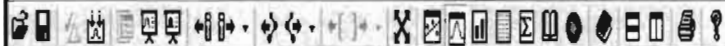


201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22:36 - USMPDI-056SC-A-01-02-201107

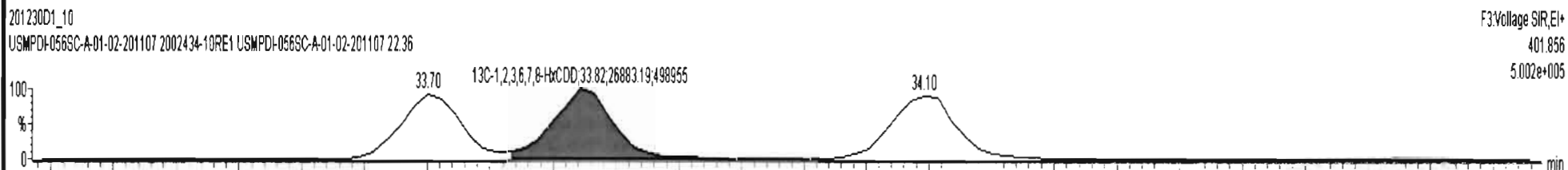
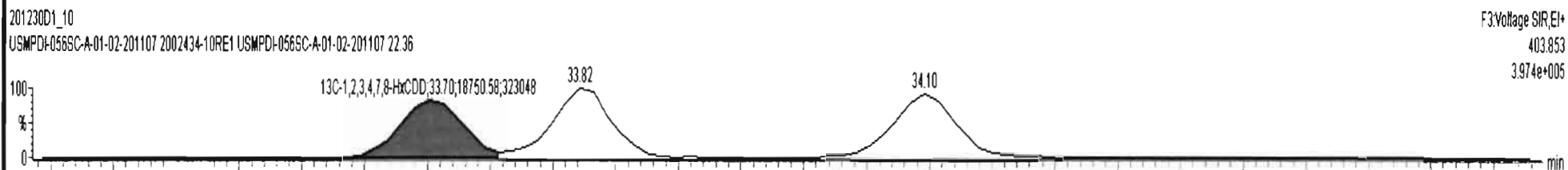
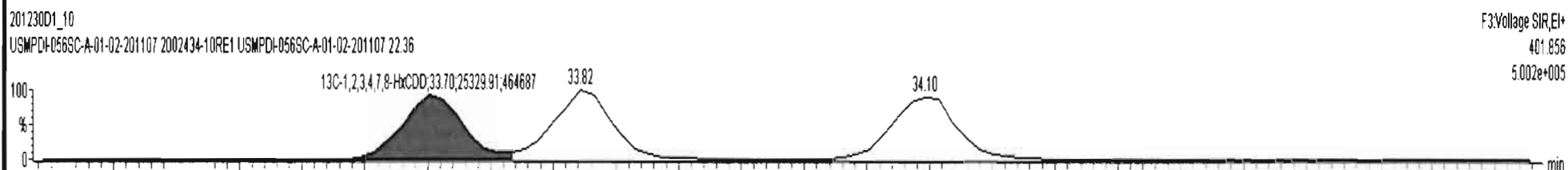
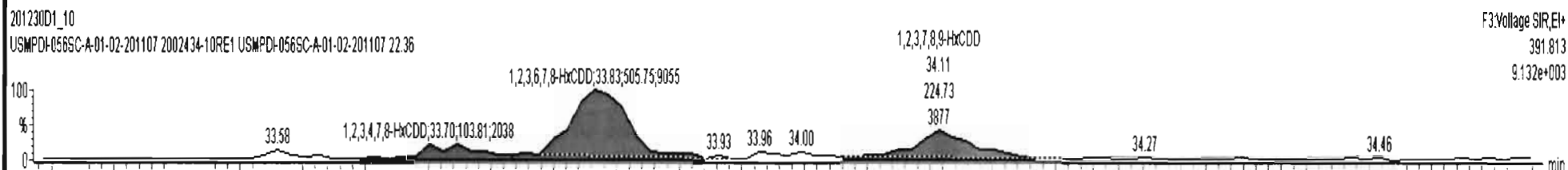
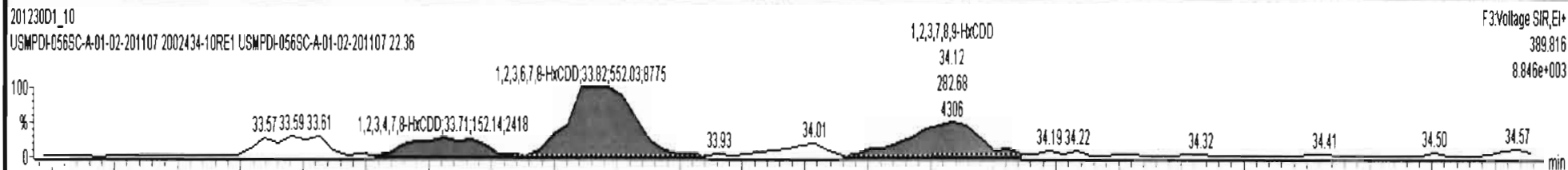


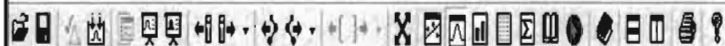
201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107



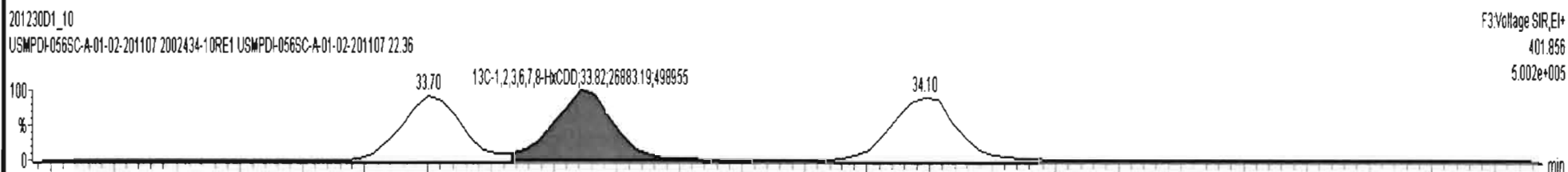
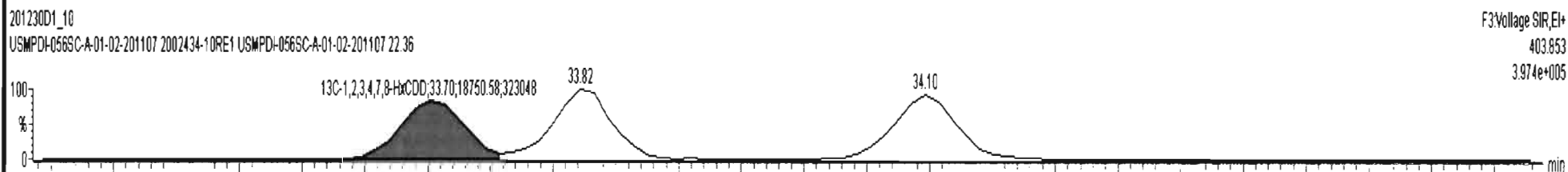
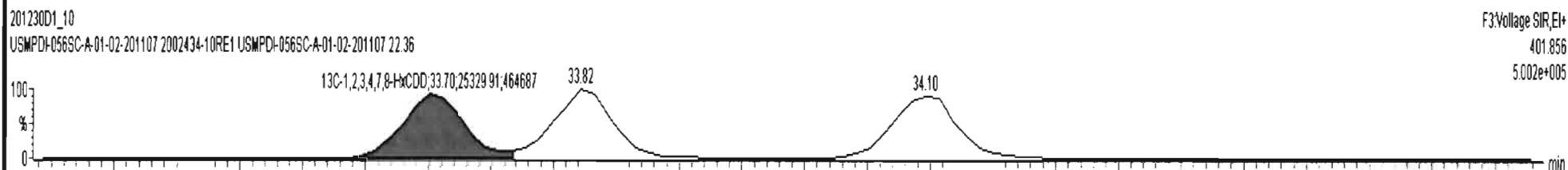
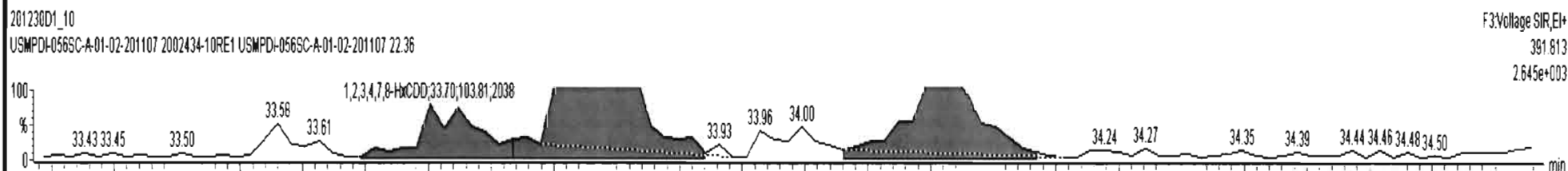
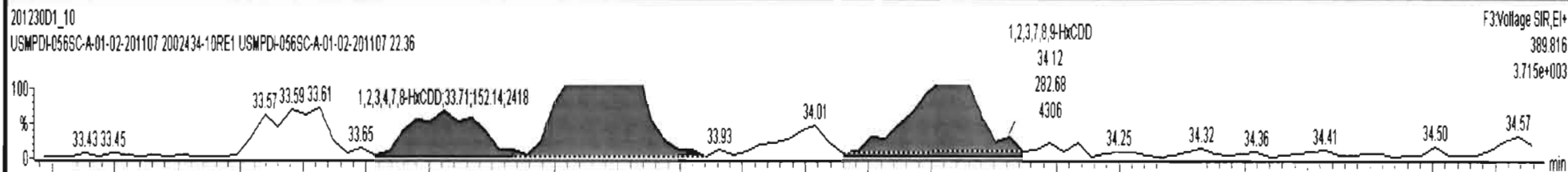


201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107





20123001_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107



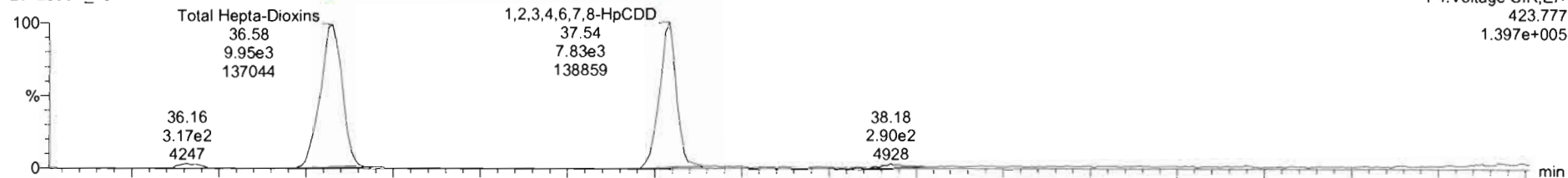
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

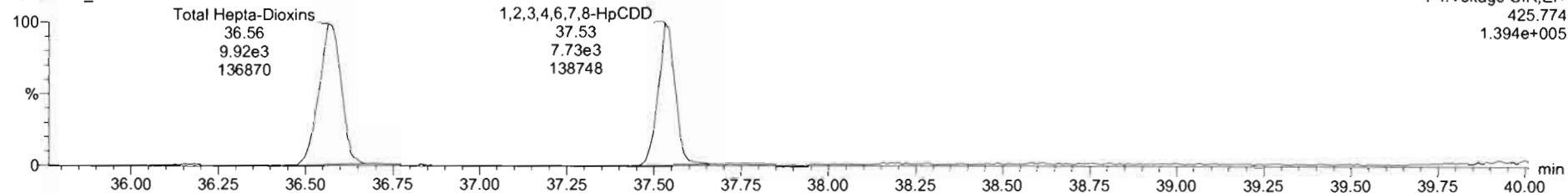
Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

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

201230D1_10

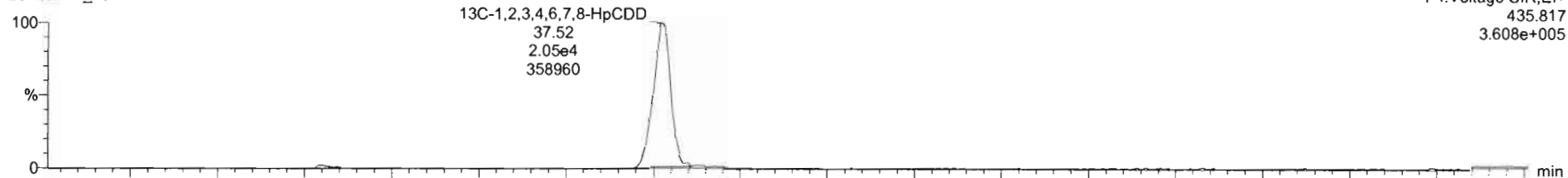


201230D1_10

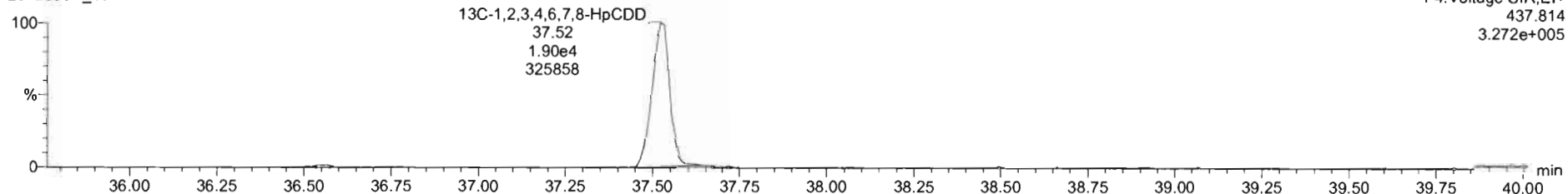


13C-1,2,3,4,6,7,8-HpCDD

201230D1_10



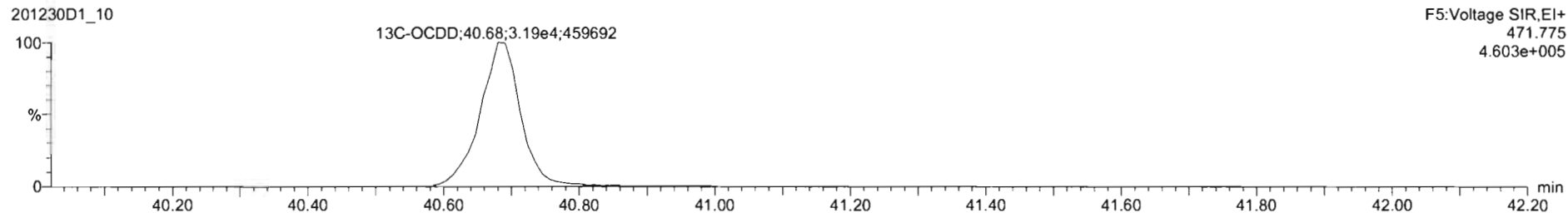
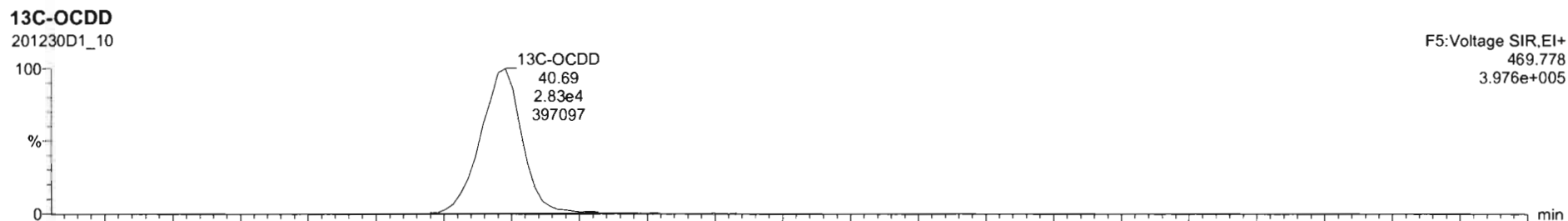
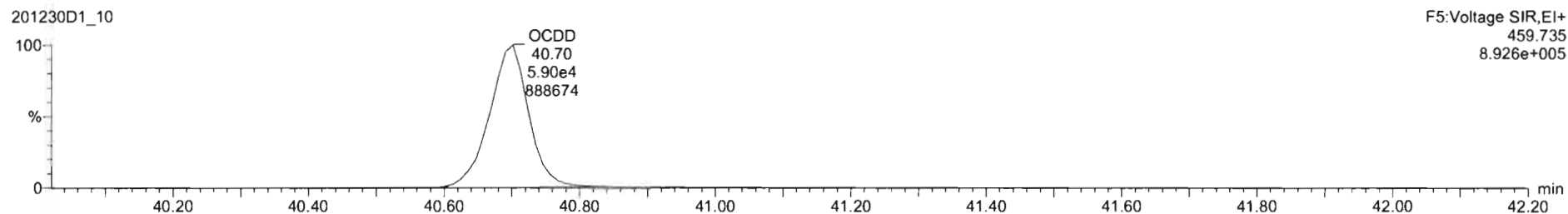
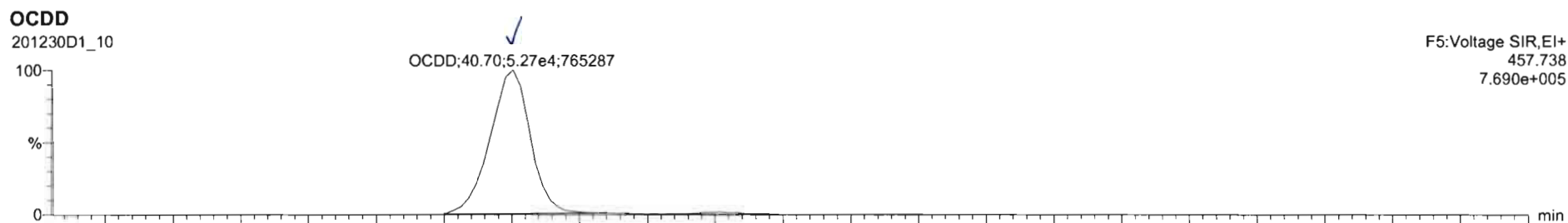
201230D1_10



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

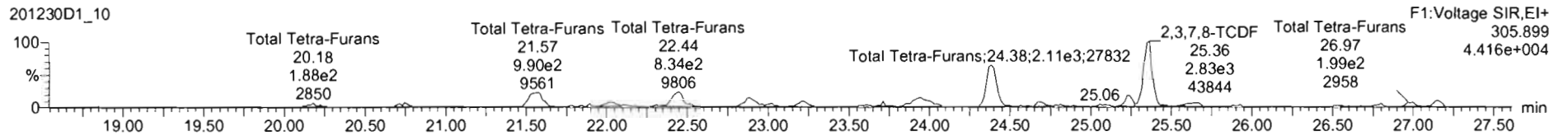
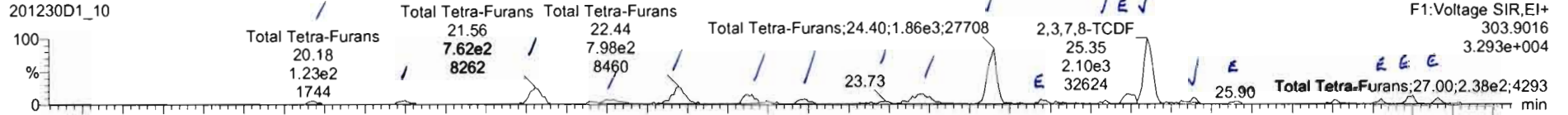


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

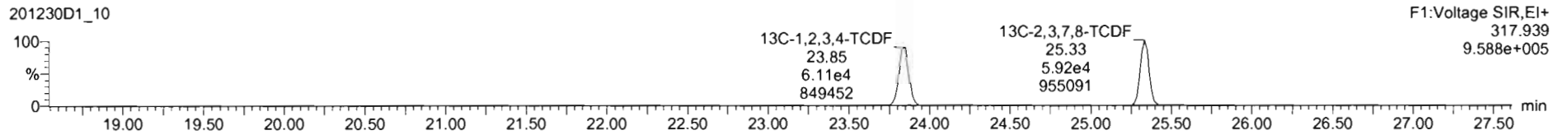
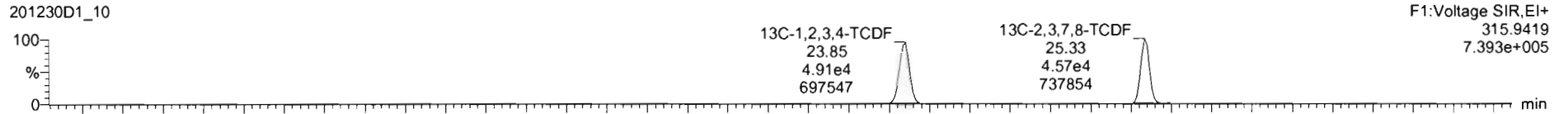
Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

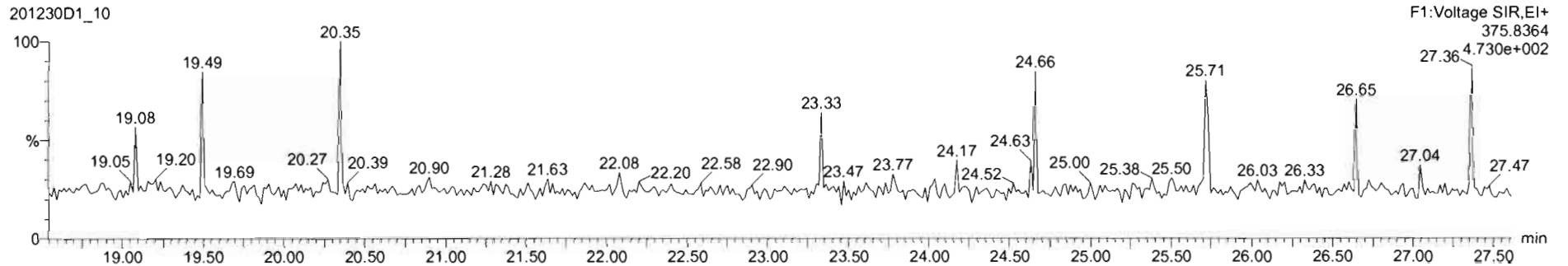
2,3,7,8-TCDF

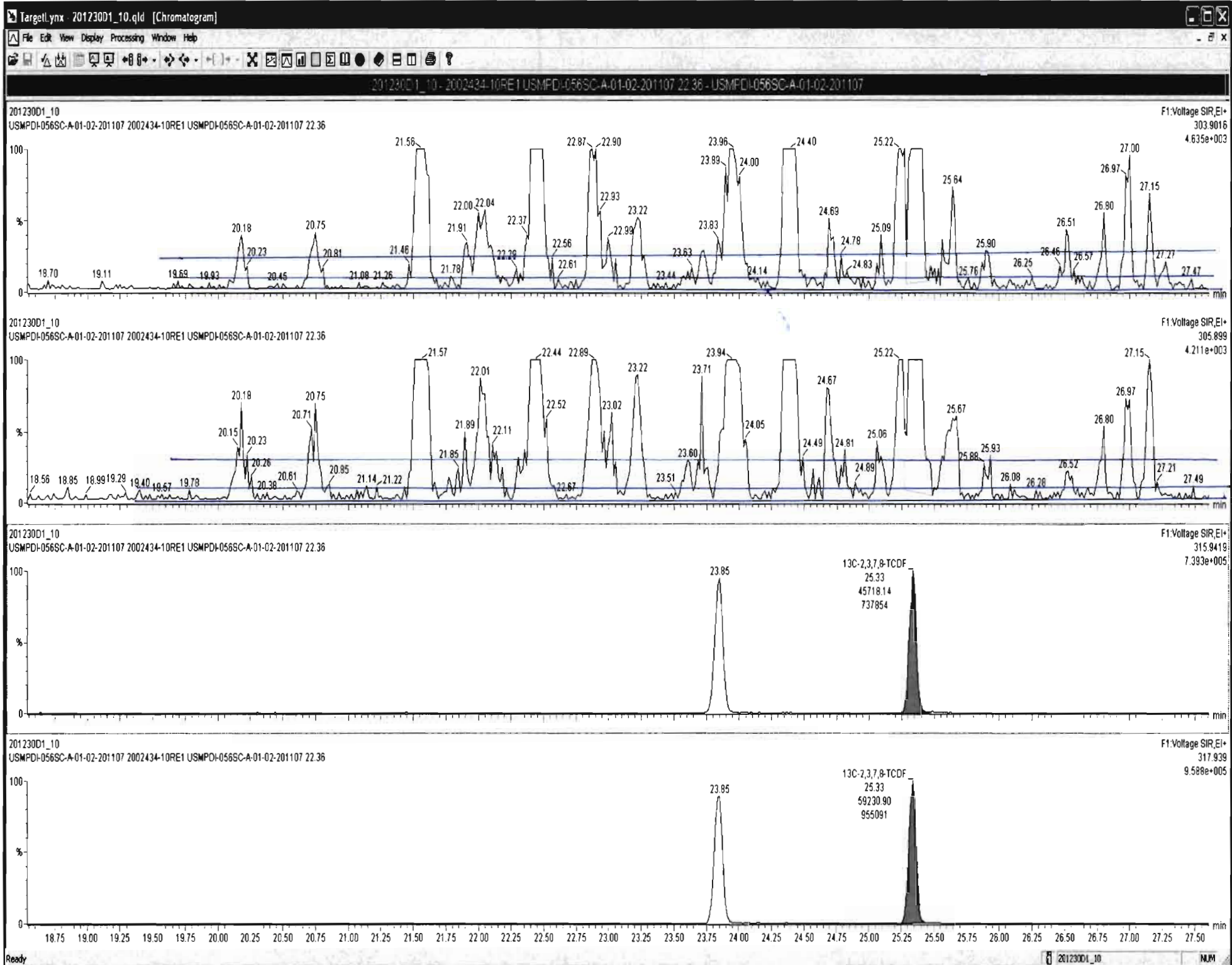


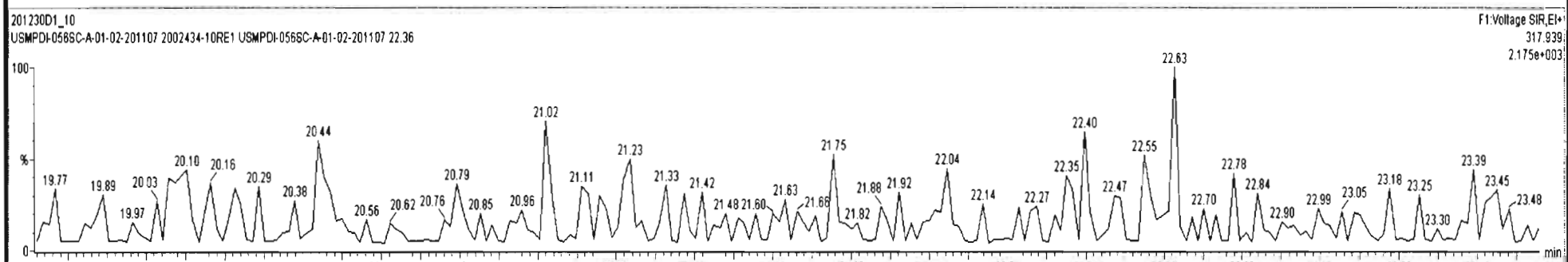
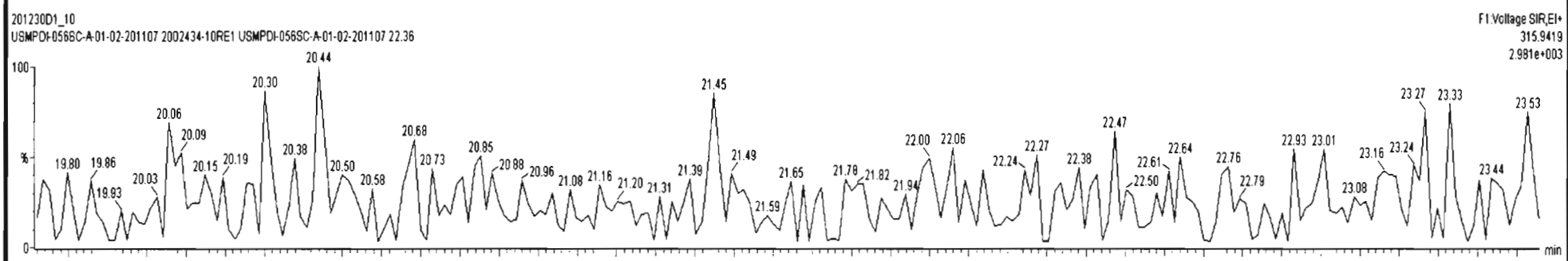
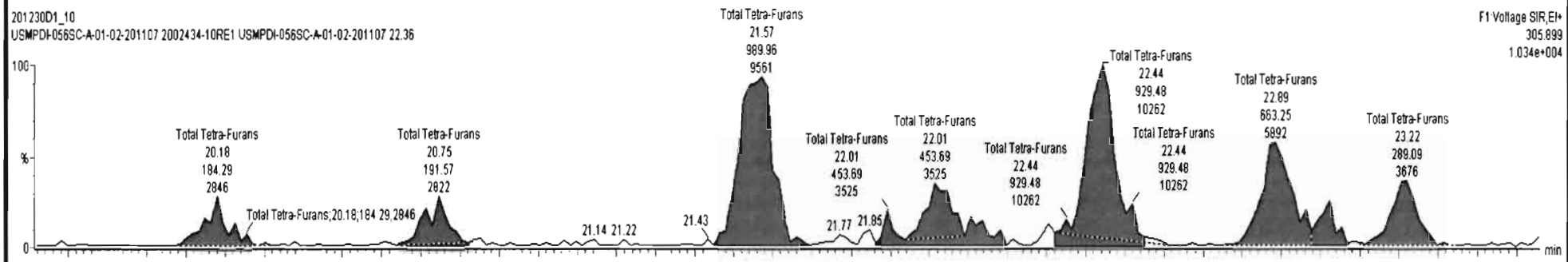
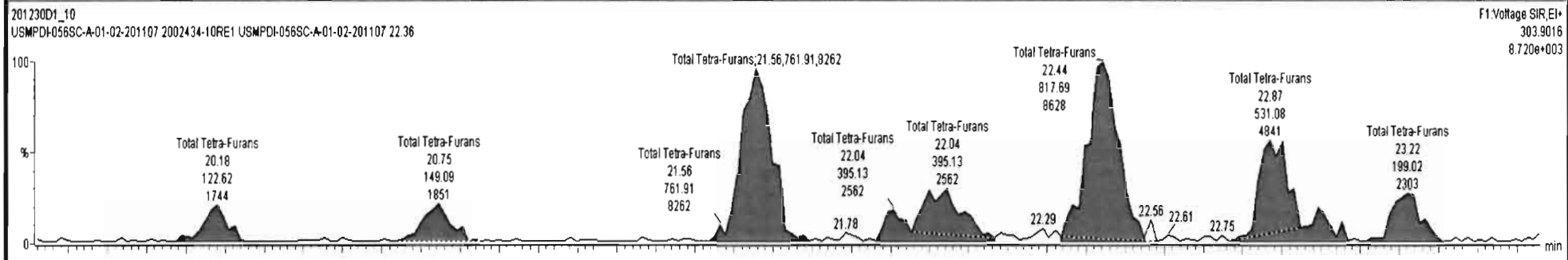
13C-2,3,7,8-TCDF

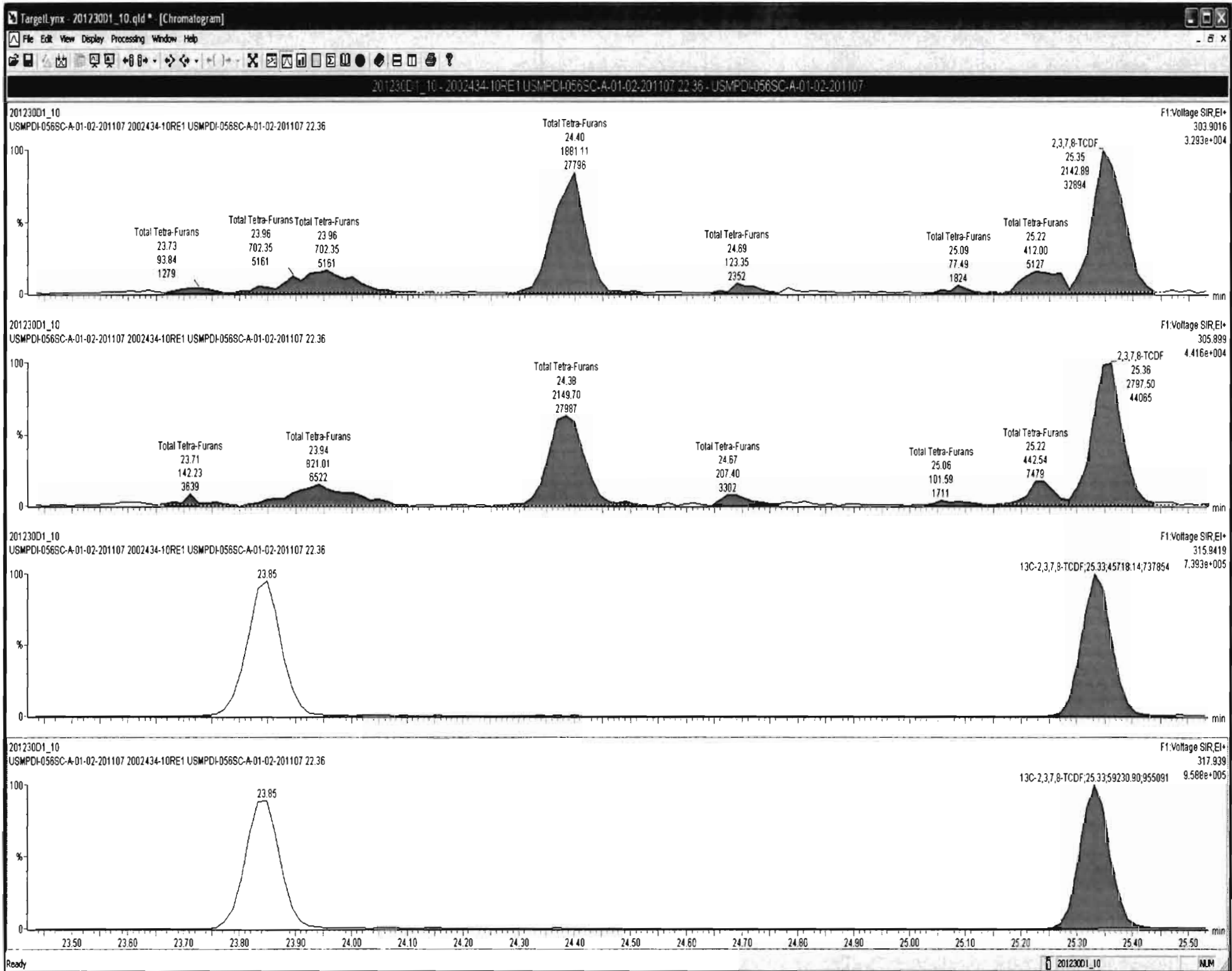


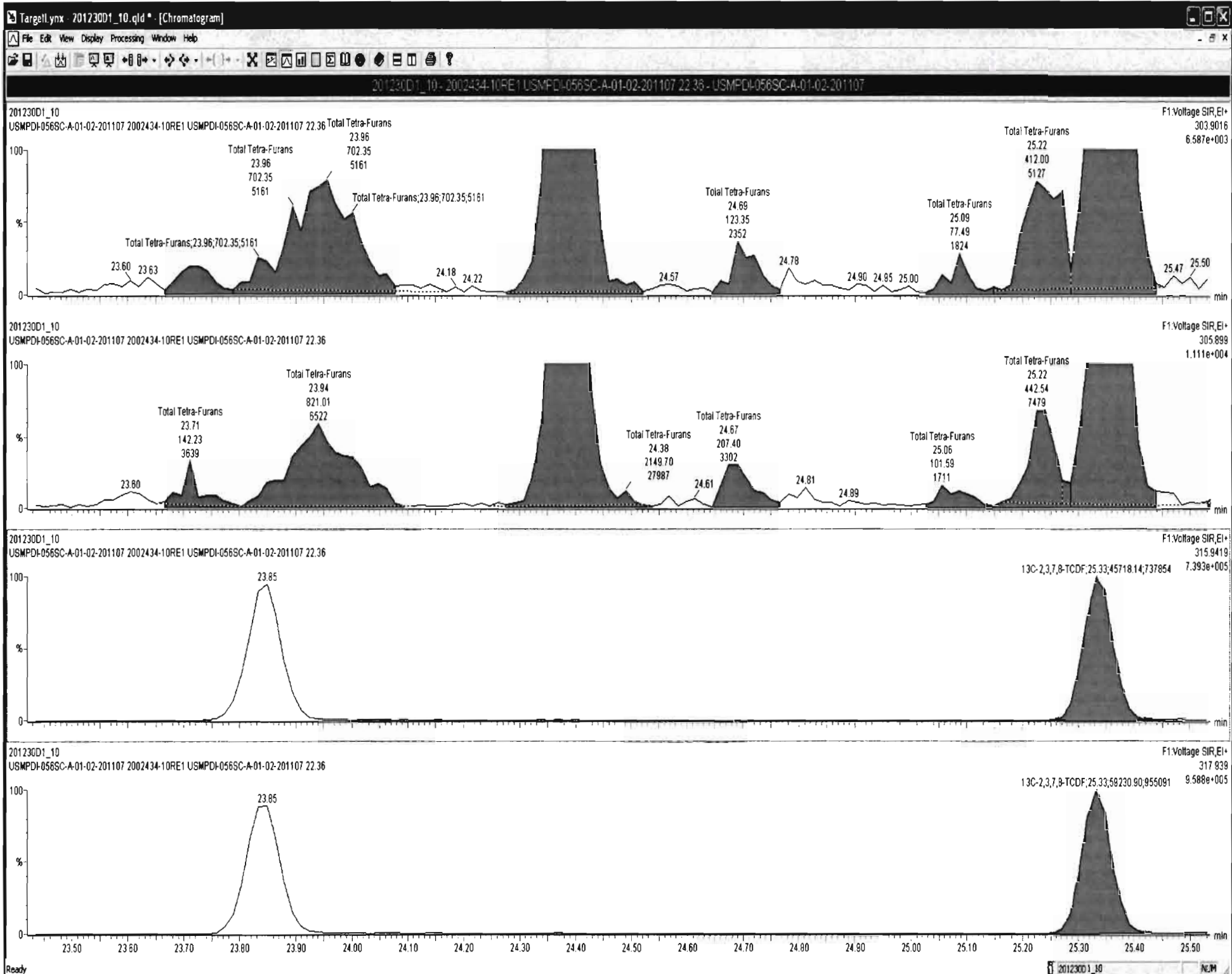
DPE1

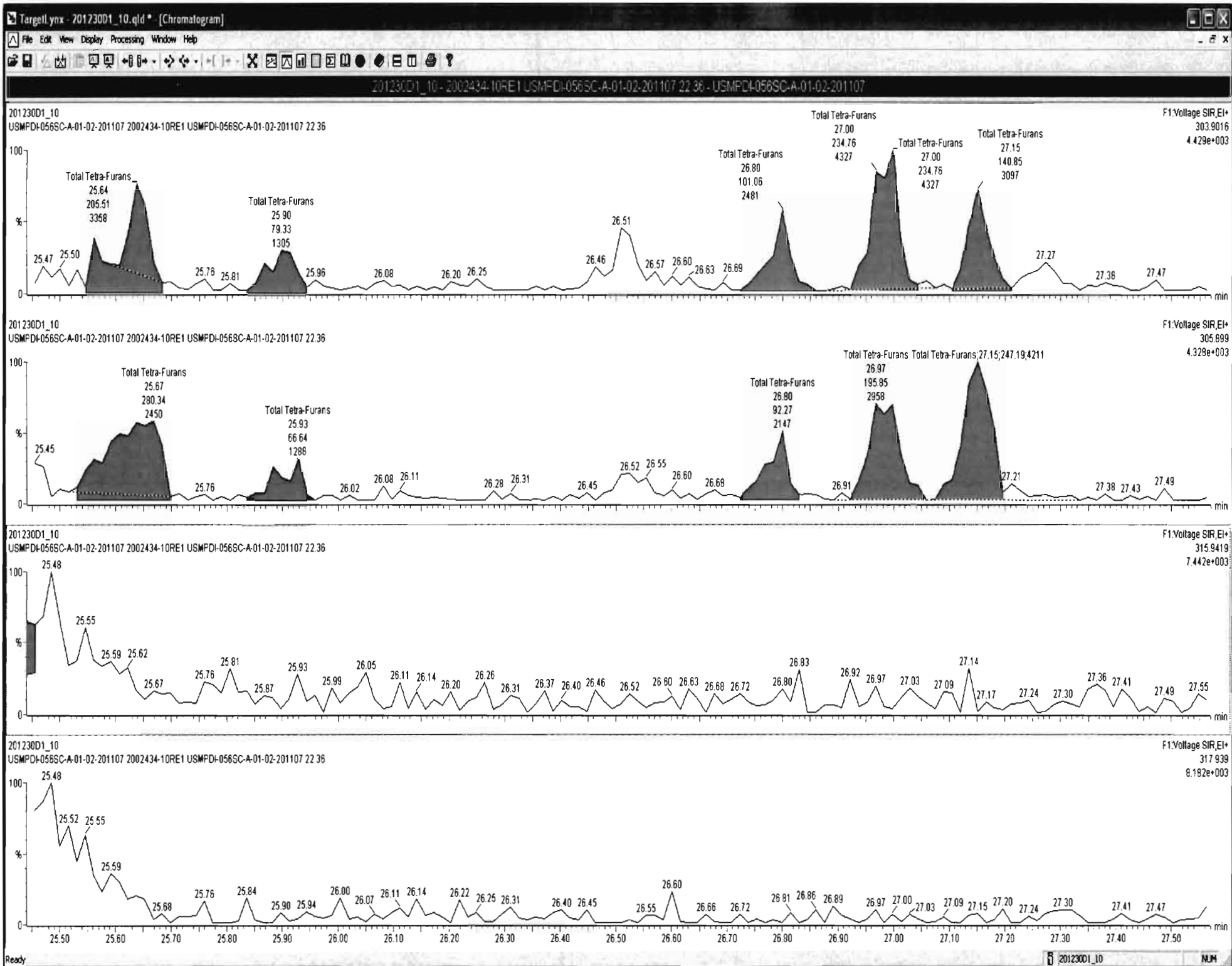












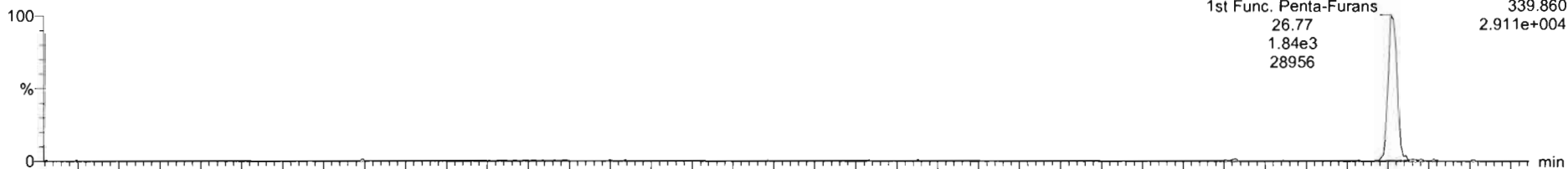
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

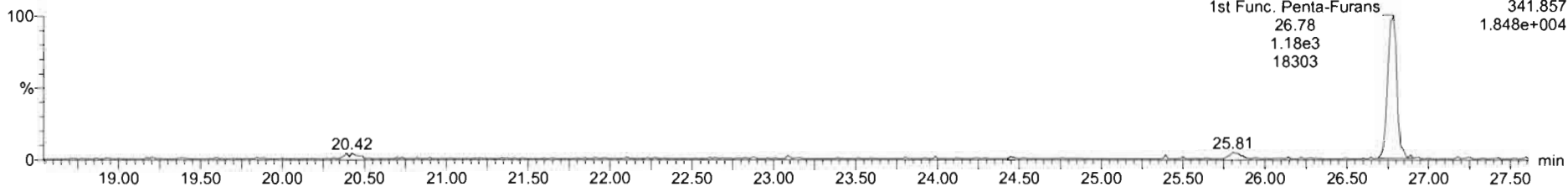
Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

1st Func. Penta-Furans

201230D1_10

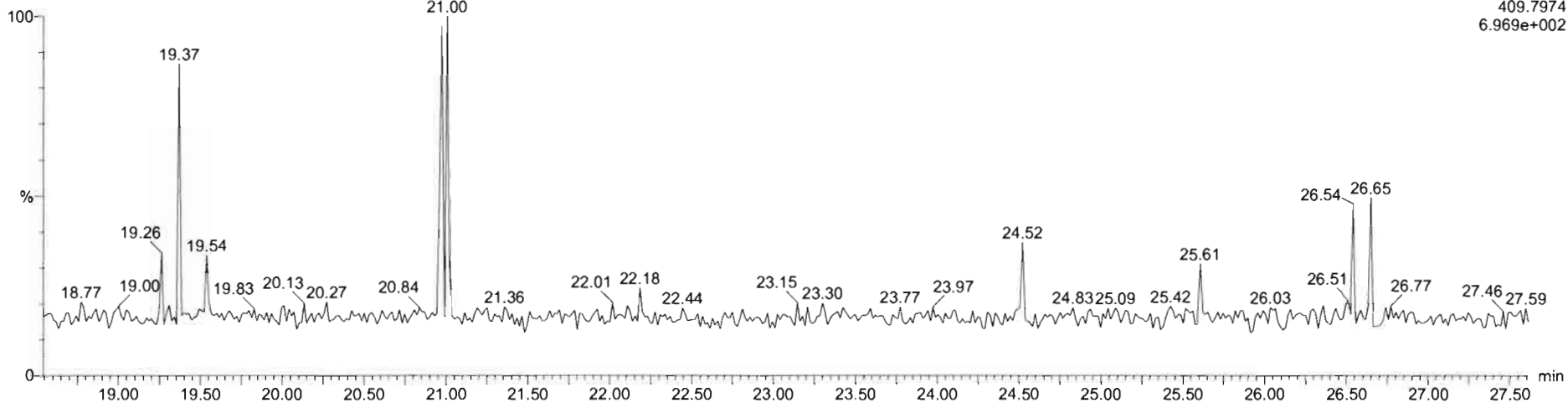


201230D1_10



DPE6

201230D1_10

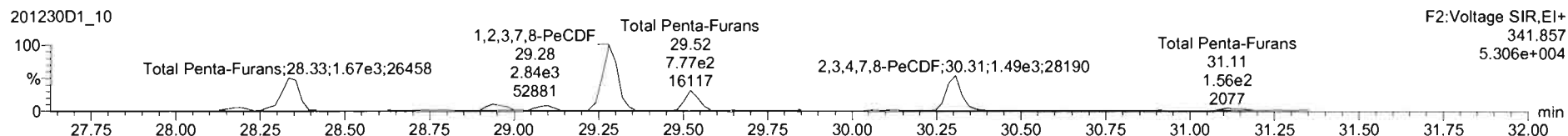
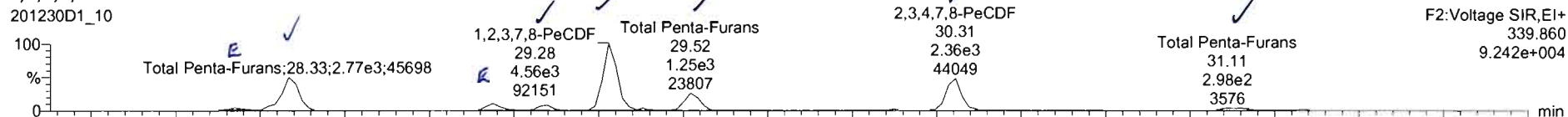


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

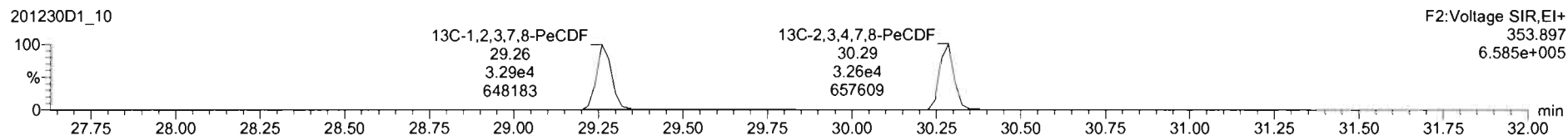
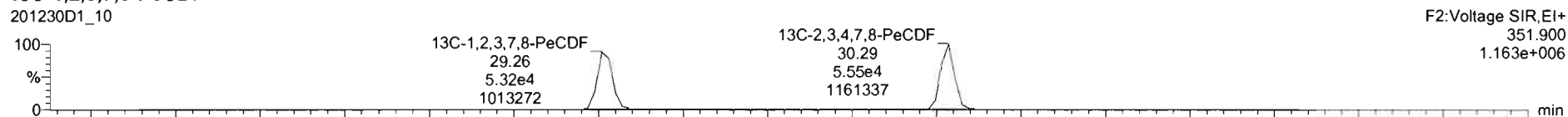
Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

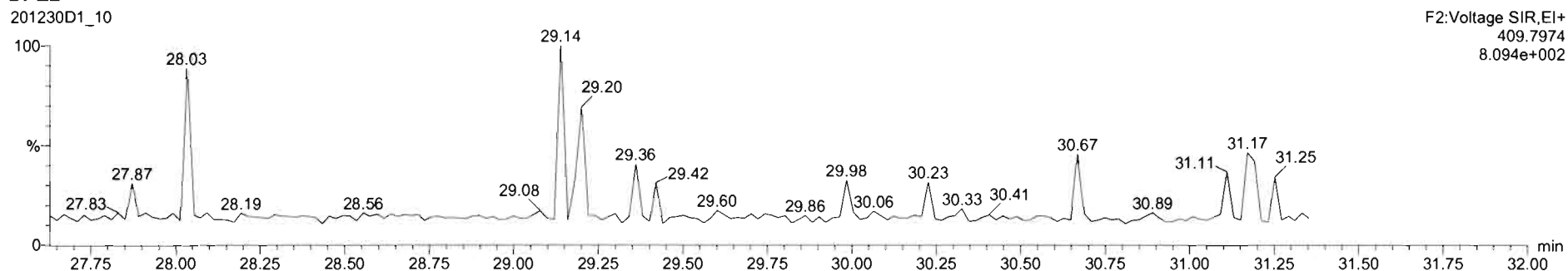
1,2,3,7,8-PeCDF

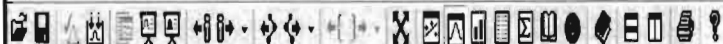


13C-1,2,3,7,8-PeCDF

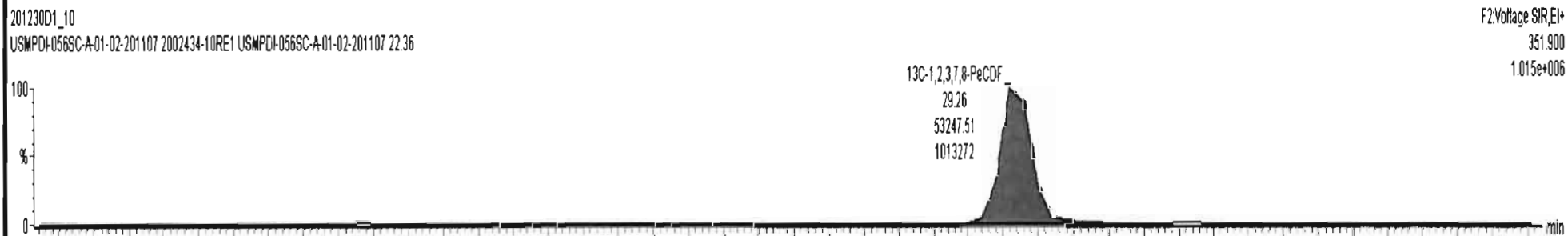
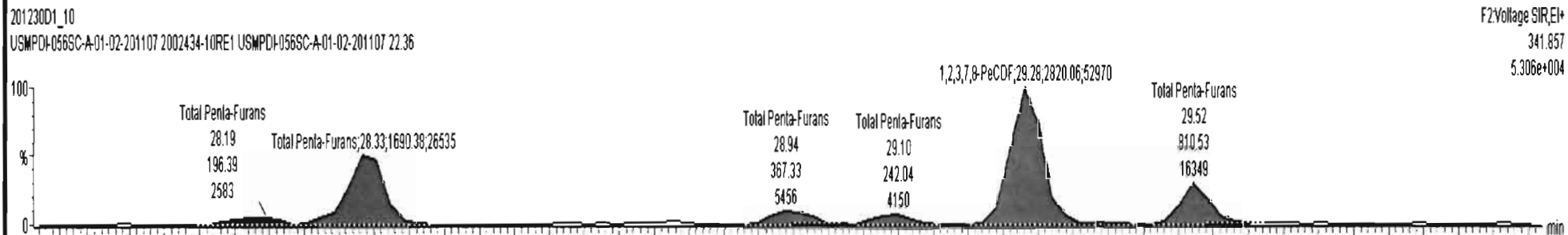
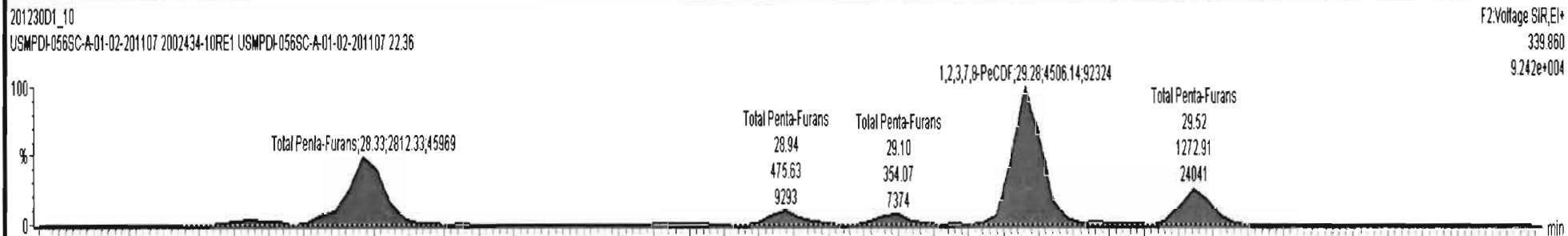


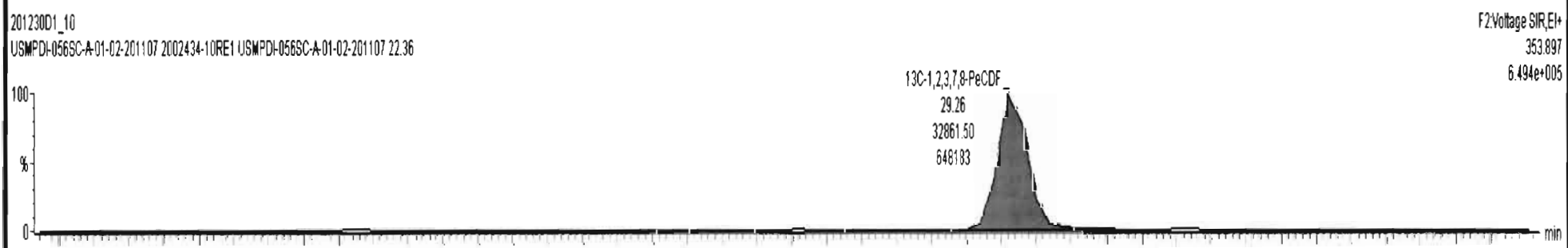
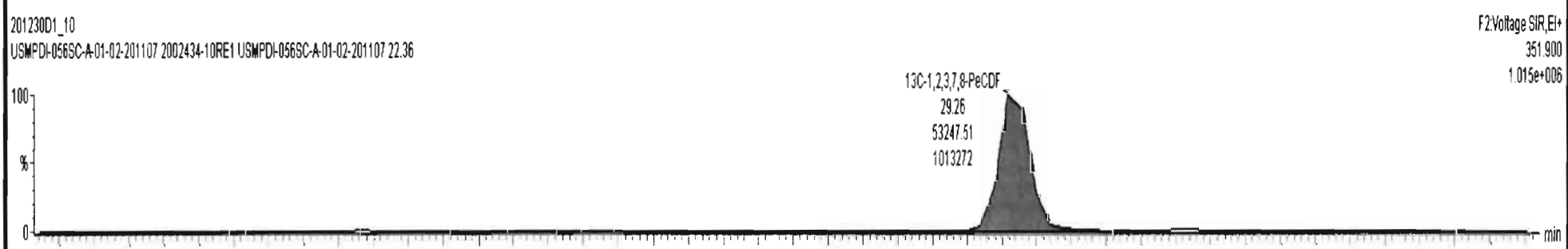
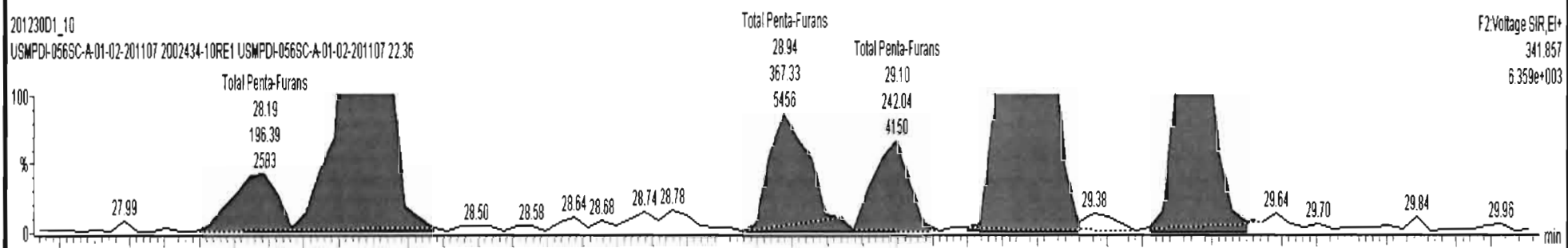
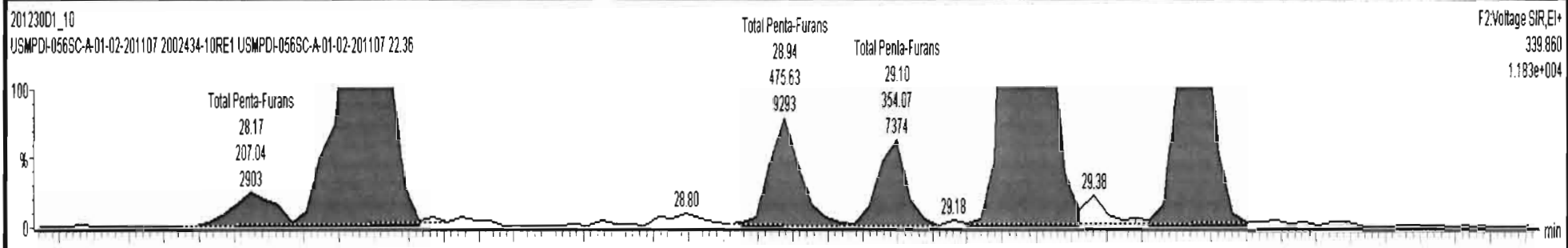
DPE2



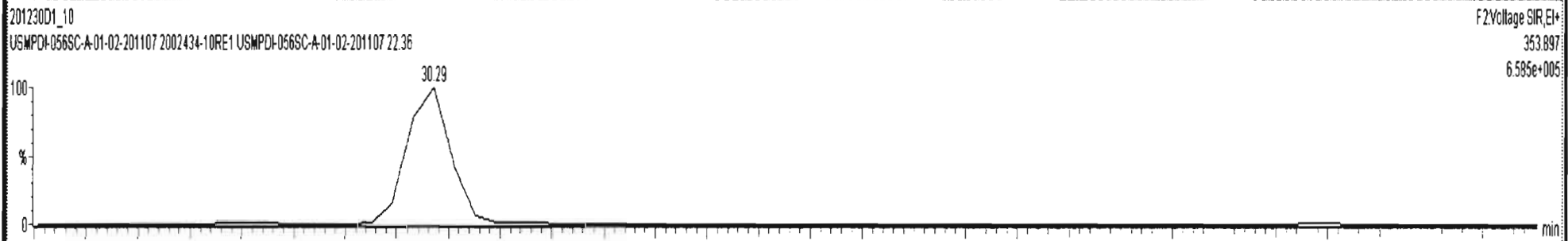
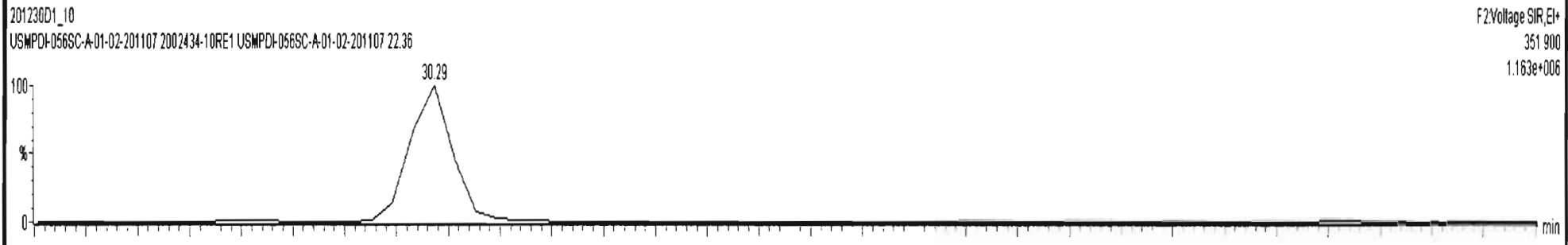
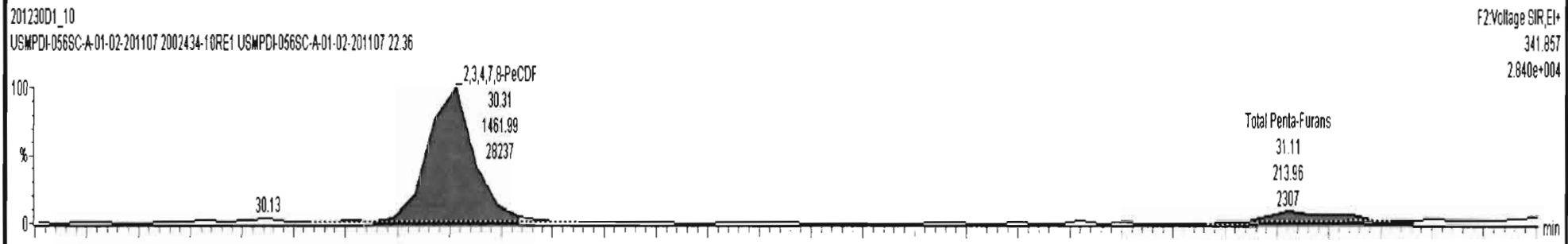
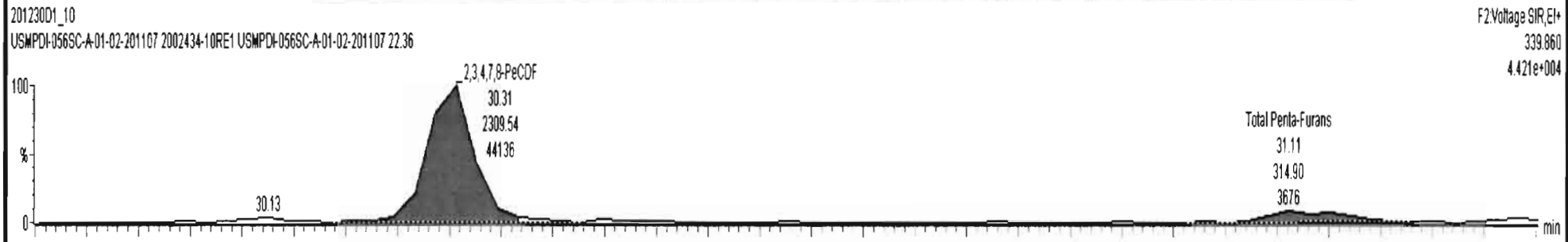


201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107



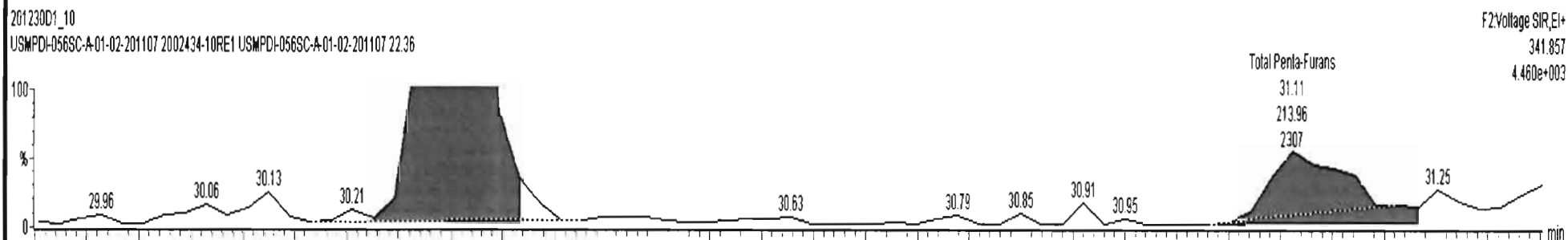
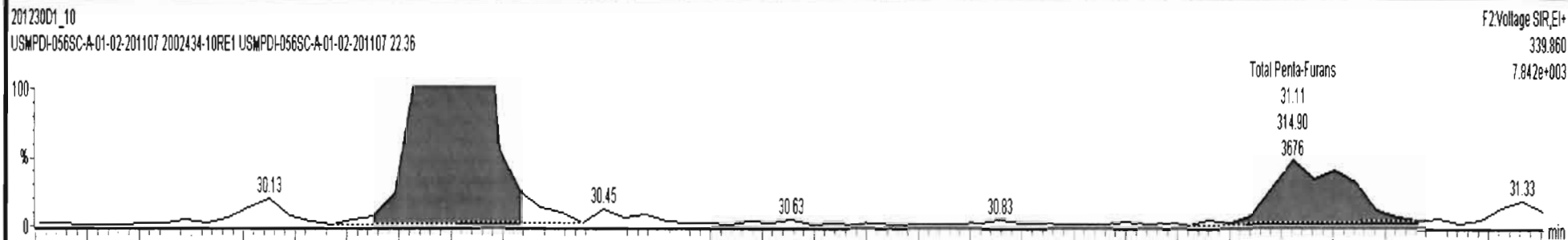


201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107





20123001_10 - 2002434-10RE1 USMPDI-0566SC-A-01-02-201107 22.36 - USMPDI-0566SC-A-01-02-201107



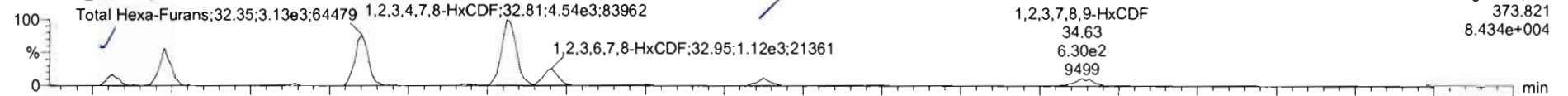
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

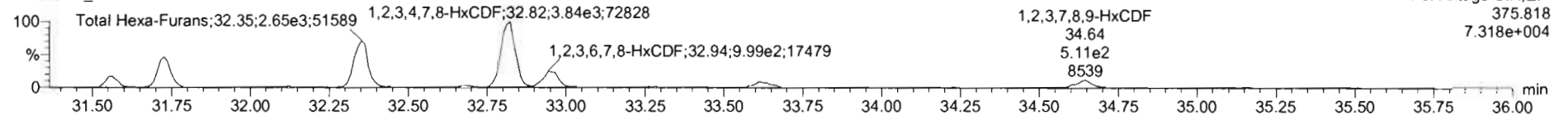
Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

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

201230D1_10

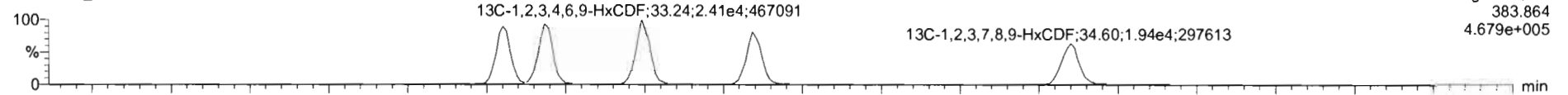


201230D1_10

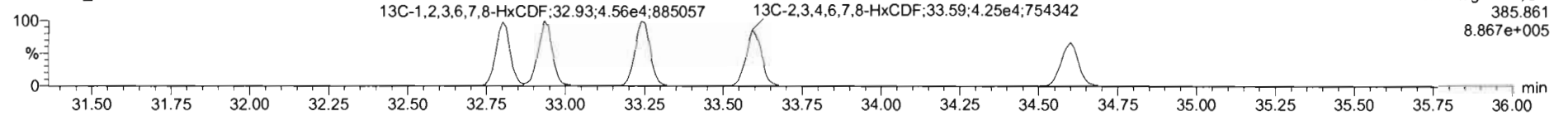


13C-1,2,3,4,7,8-HxCDF

201230D1_10

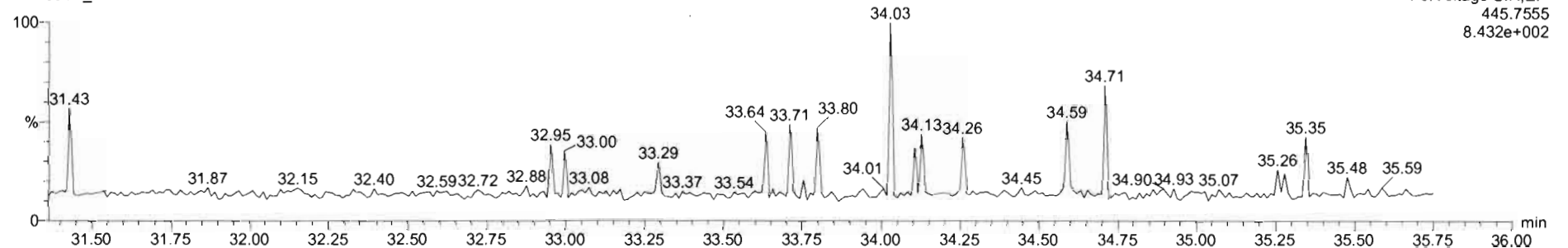


201230D1_10



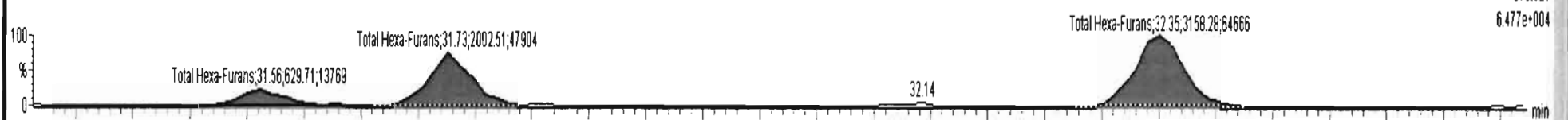
DPE3

201230D1_10

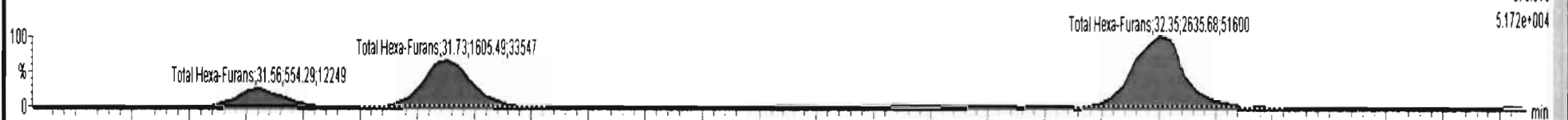


201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22:36 - USMPDI-056SC-A-01-02-201107

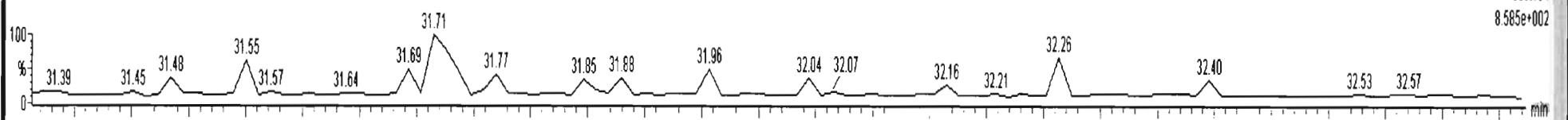
201230D1_10 F3:Voltage SIR,EI+
USMPDI-056SC-A-01-02-201107 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22:36 373.821



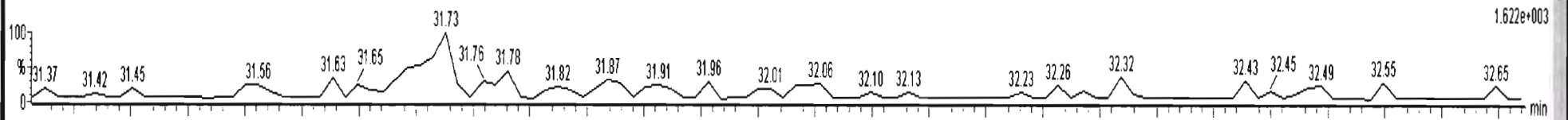
201230D1_10 F3:Voltage SIR,EI+
USMPDI-056SC-A-01-02-201107 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22:36 375.818



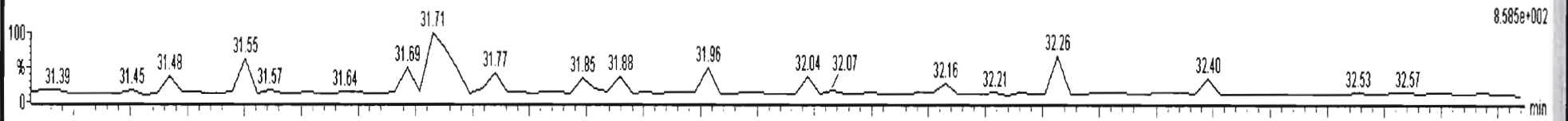
201230D1_10 F3:Voltage SIR,EI+
USMPDI-056SC-A-01-02-201107 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22:36 383.864



201230D1_10 F3:Voltage SIR,EI+
USMPDI-056SC-A-01-02-201107 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22:36 385.861

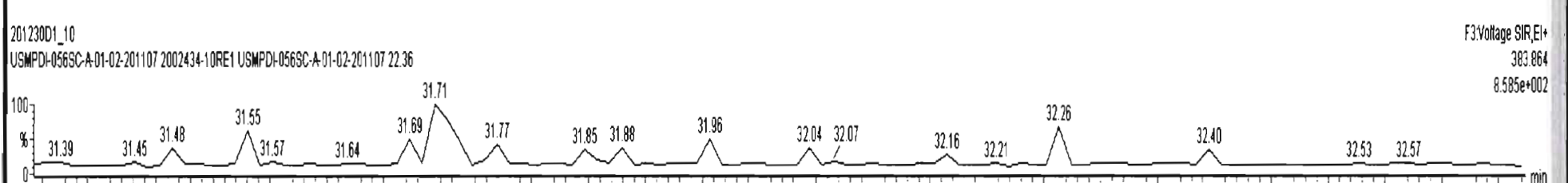
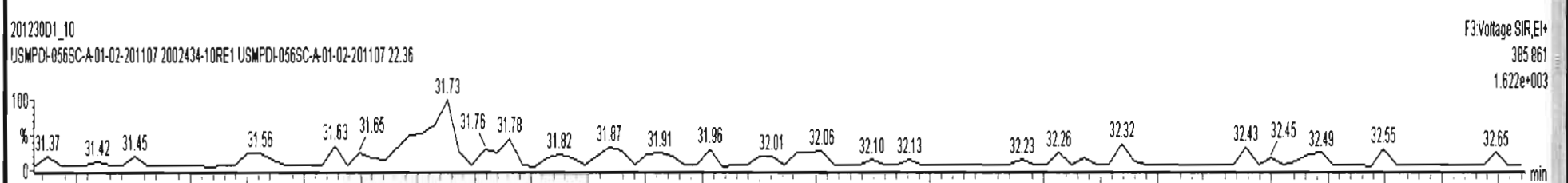
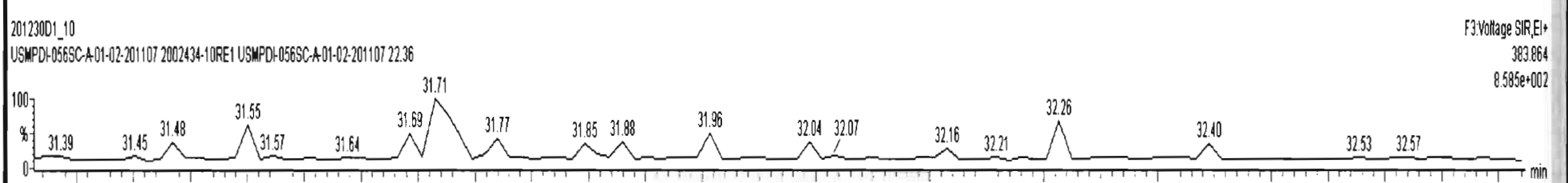
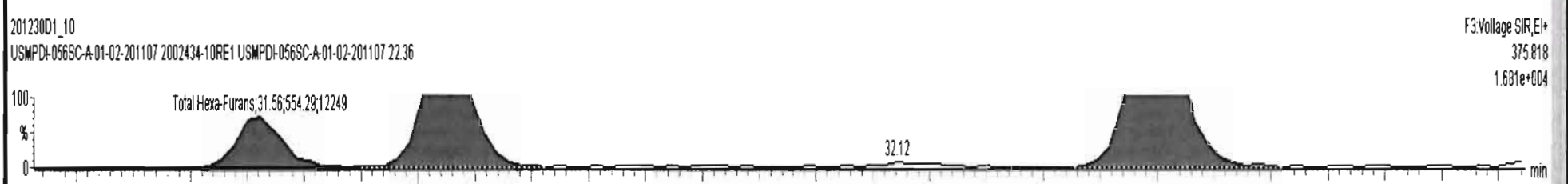
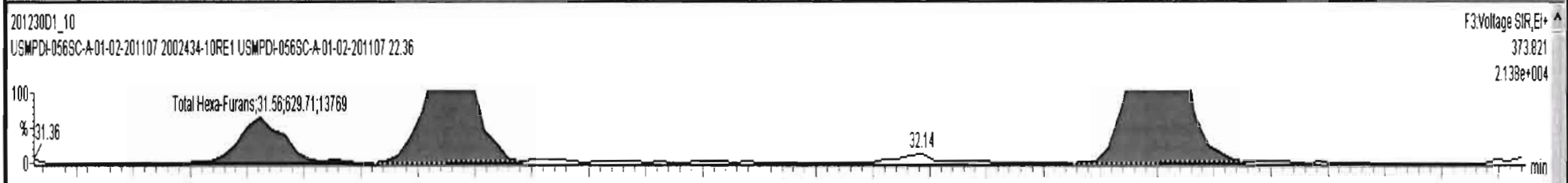


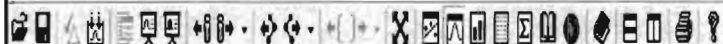
201230D1_10 F3:Voltage SIR,EI+
USMPDI-056SC-A-01-02-201107 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22:36 383.864



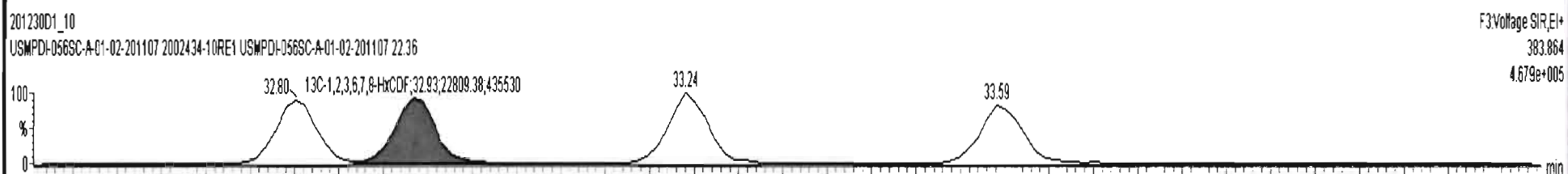
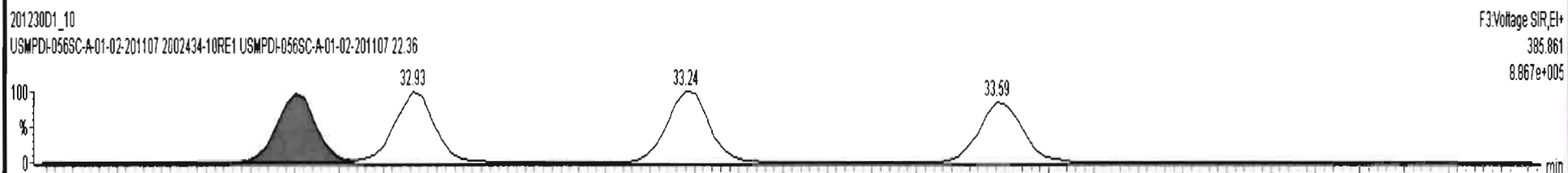
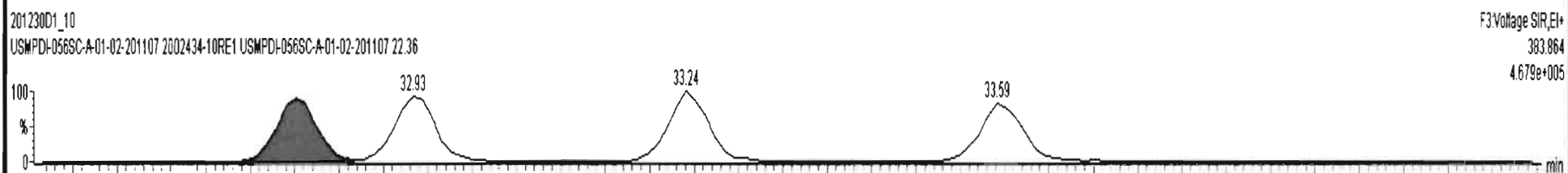
201230D1_10 F3:Voltage SIR,EI+
USMPDI-056SC-A-01-02-201107 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22:36 385.861

201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107

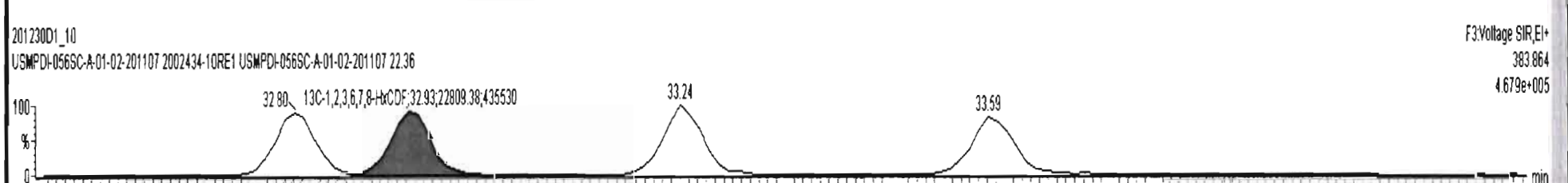
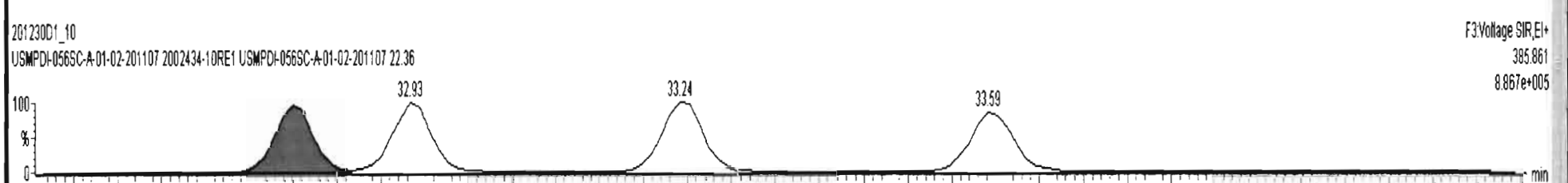
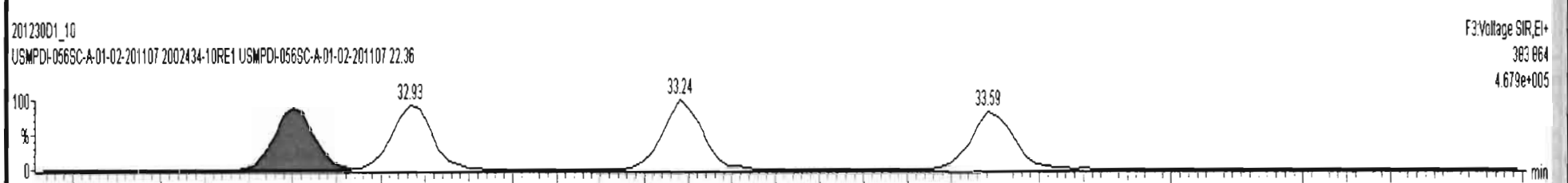
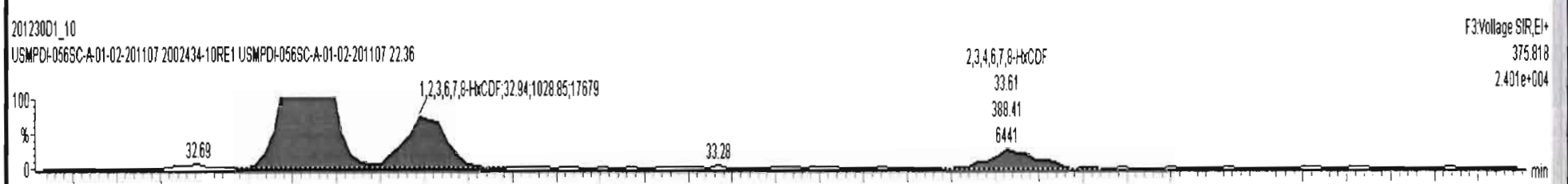
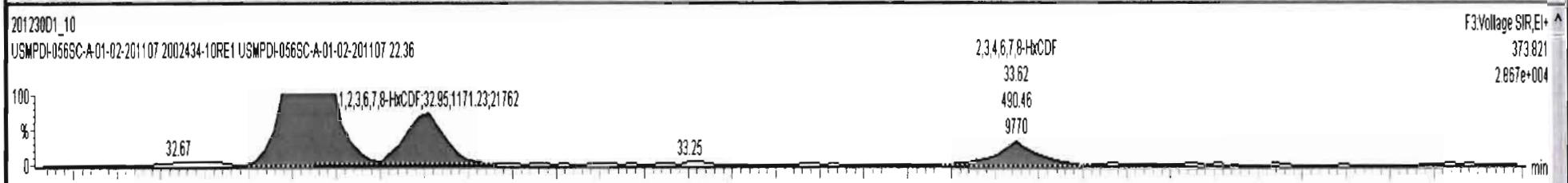


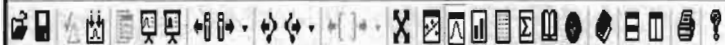


201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107

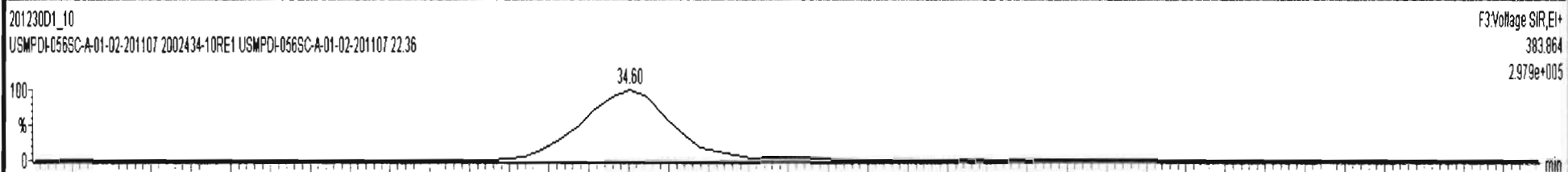
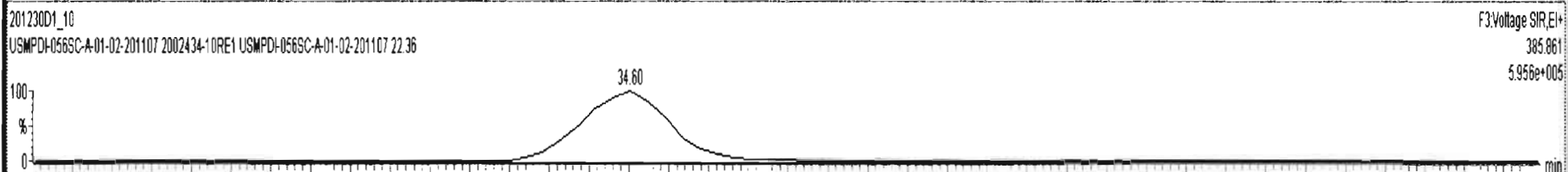
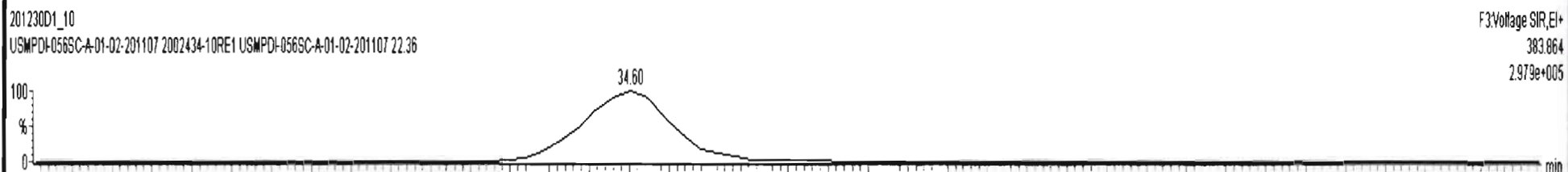
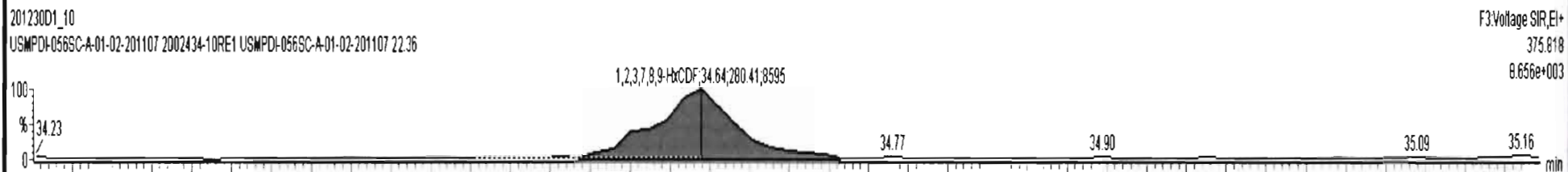
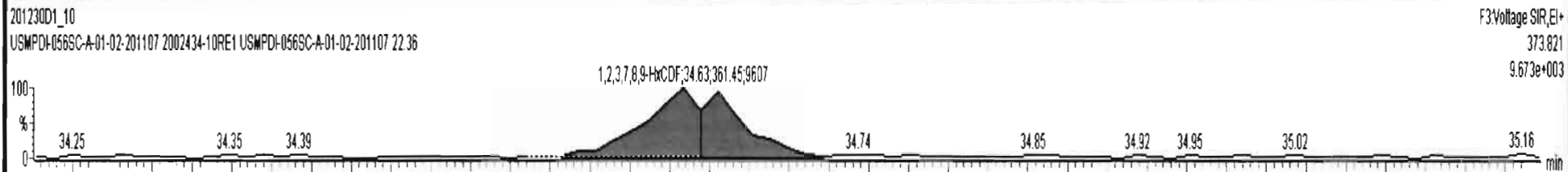


201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107





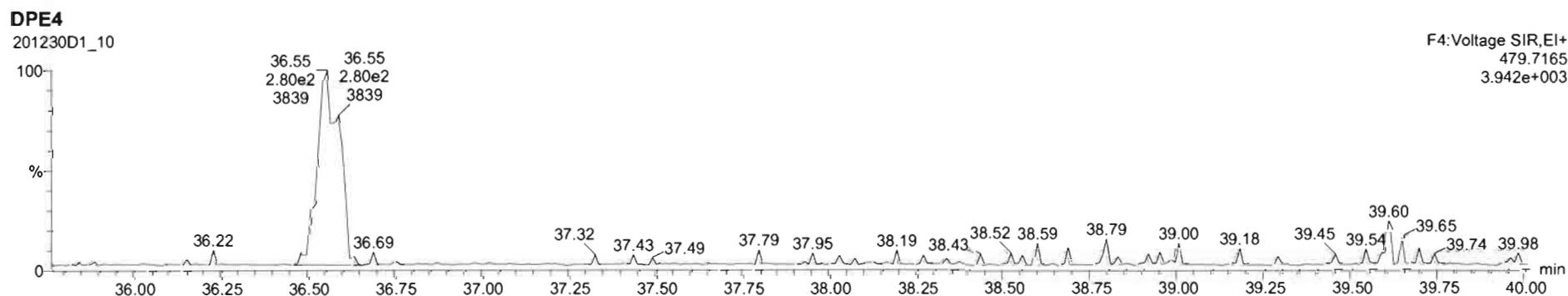
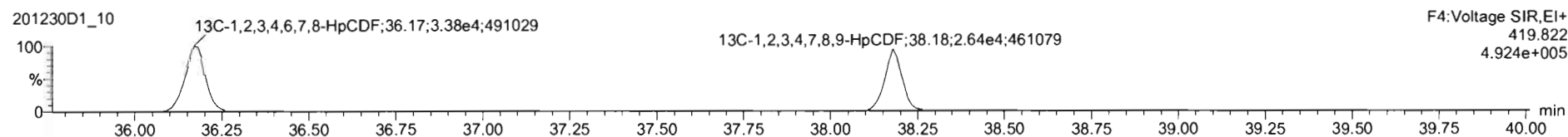
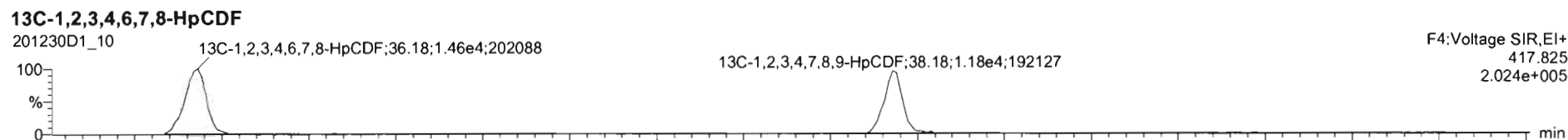
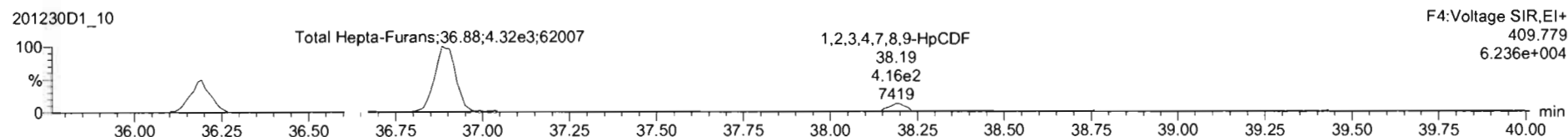
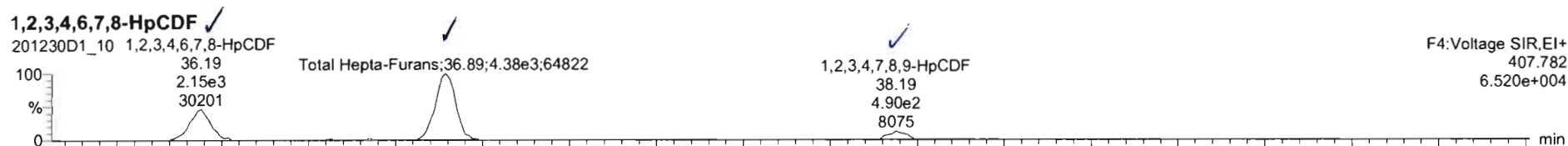
201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107

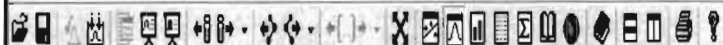


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

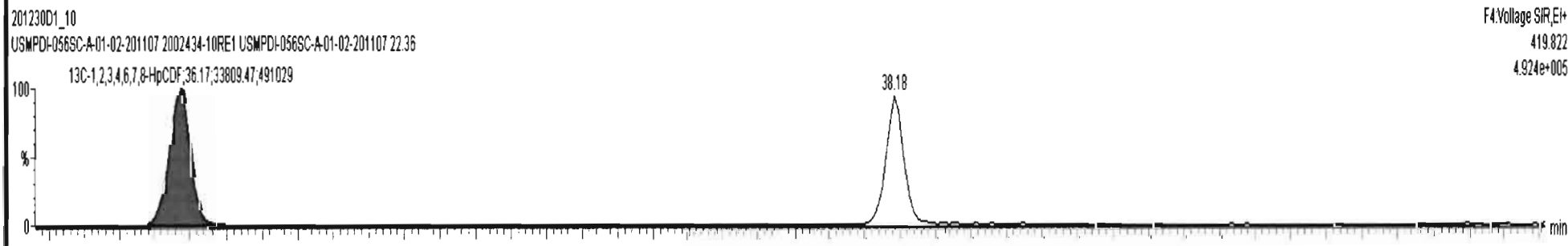
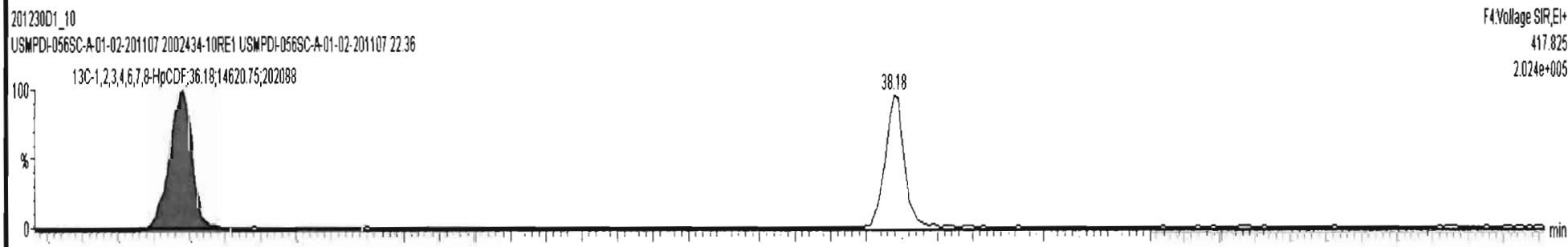
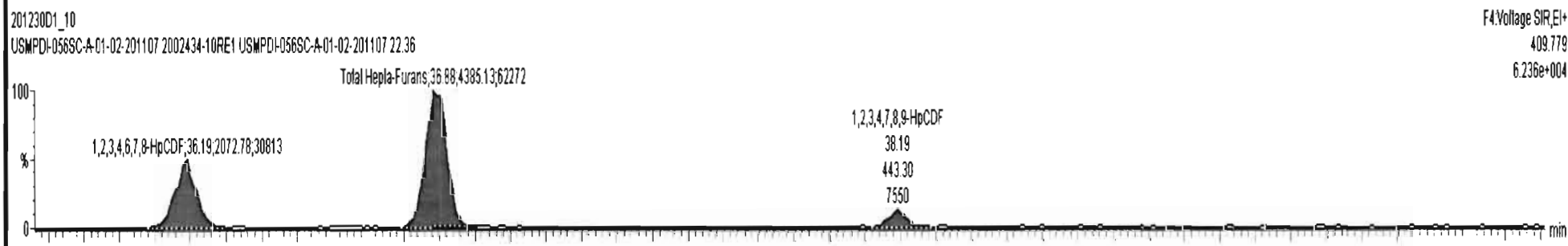
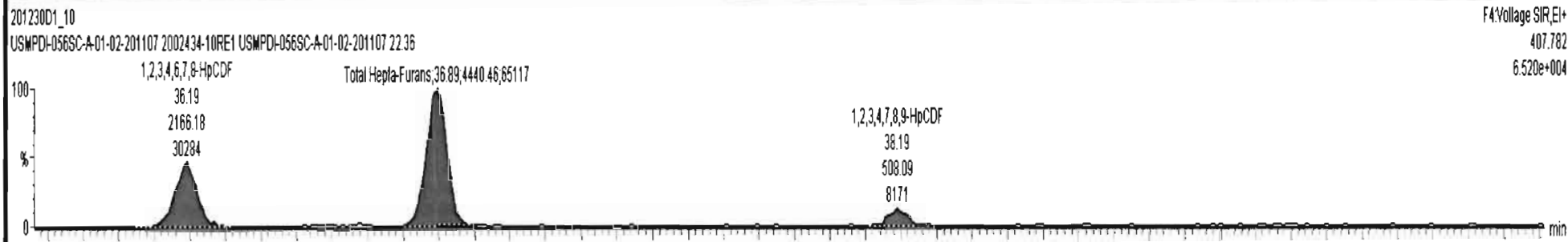
Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

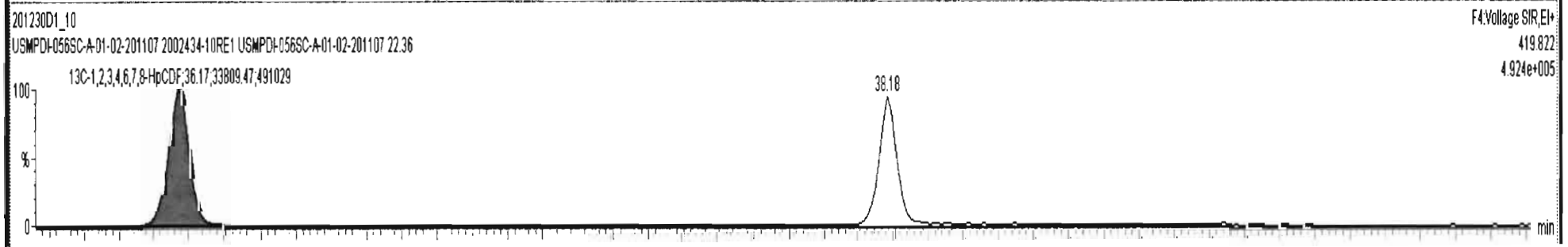
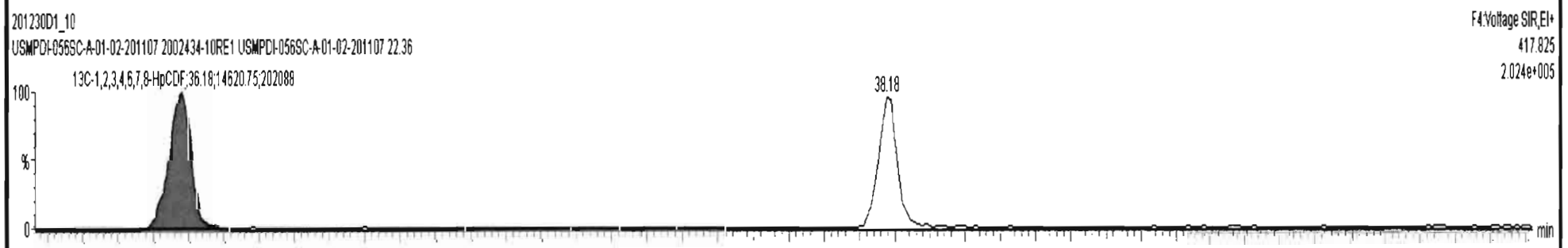
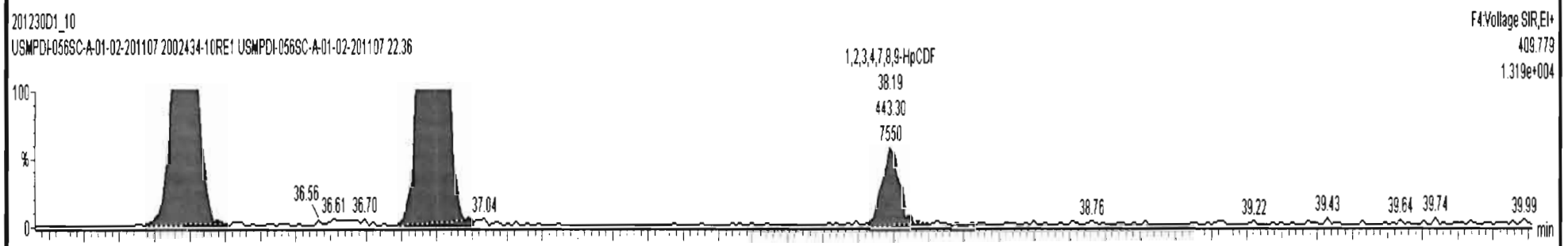
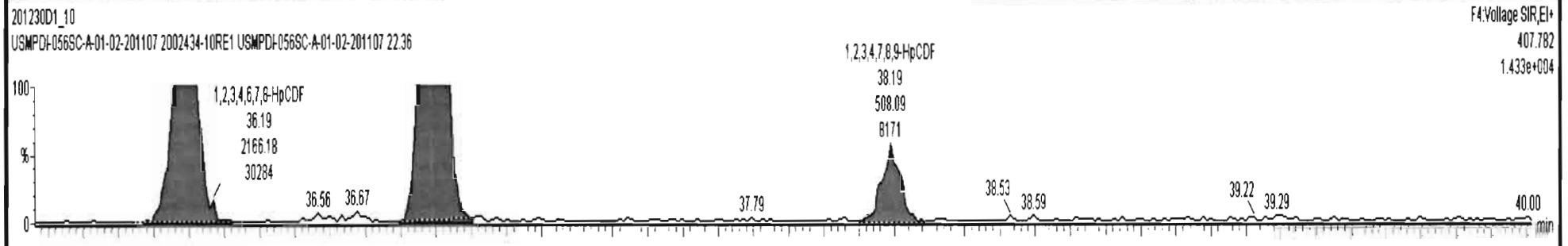




201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107



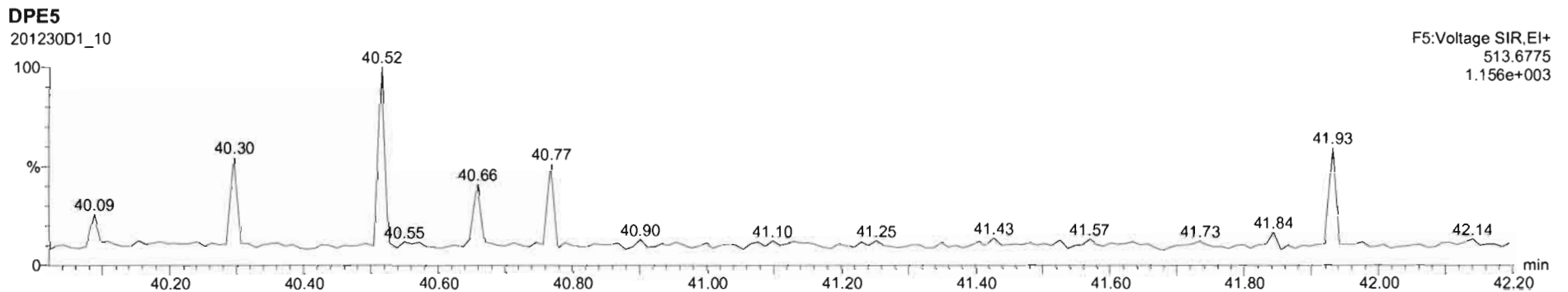
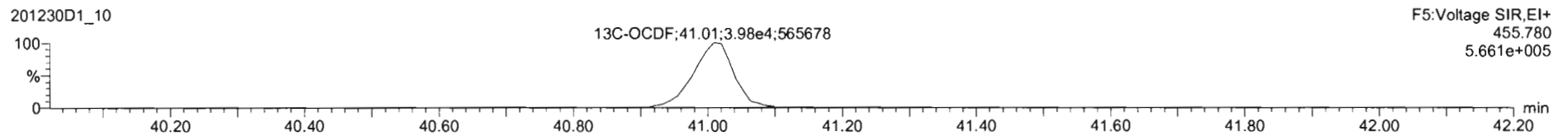
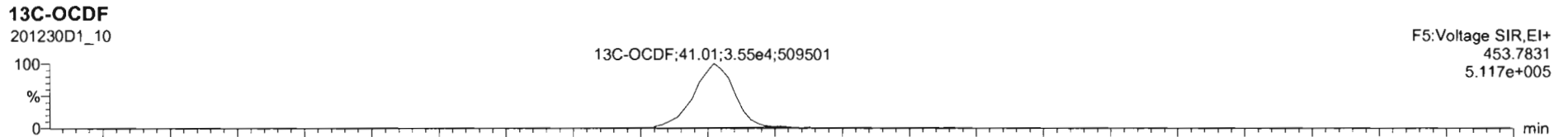
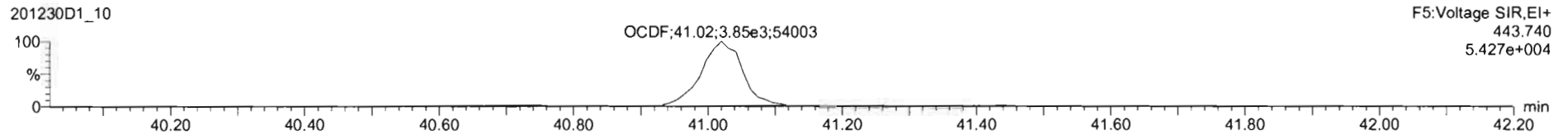
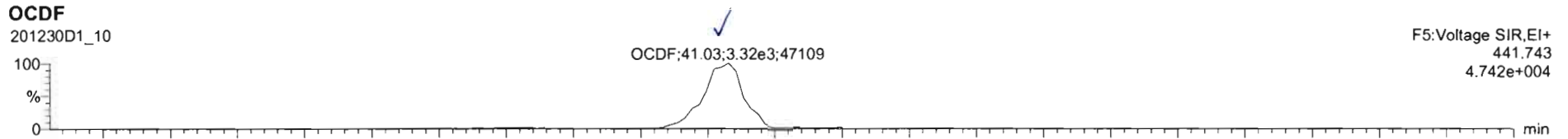
201230D1_10 - 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36 - USMPDI-056SC-A-01-02-201107



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time
Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107

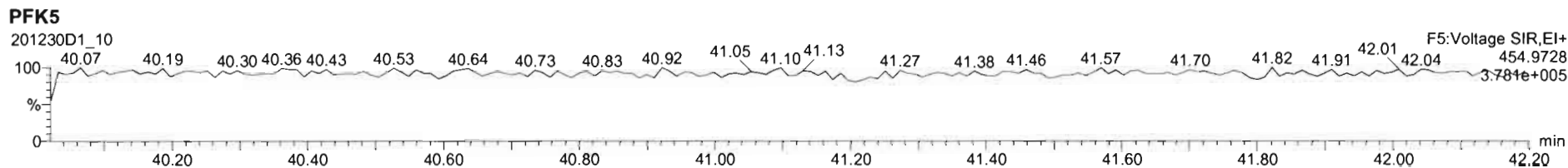
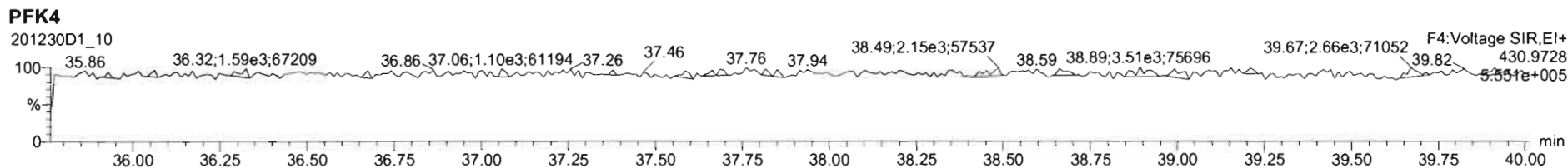
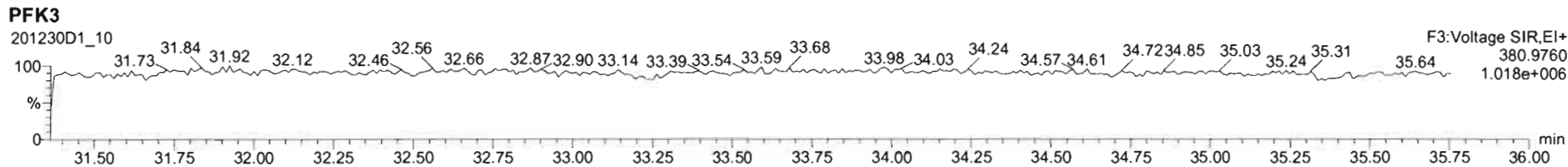
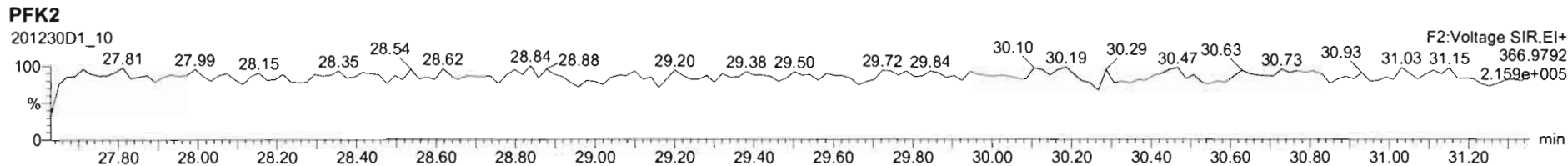
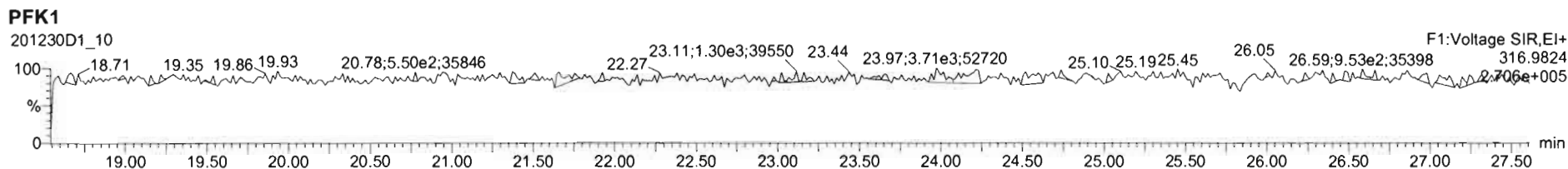


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_10.qld

Last Altered: Thursday, December 31, 2020 09:48:20 Pacific Standard Time

Printed: Thursday, December 31, 2020 09:48:45 Pacific Standard Time

Name: 201230D1_10, Date: 30-Dec-2020, Time: 18:06:53, ID: 2002434-10RE1 USMPDI-056SC-A-01-02-201107 22.36, Description: USMPDI-056SC-A-01-02-201107



Dataset: U:\VG12.PRO\Results\201213R2\201213R2-12.qld

Last Altered: Tuesday, December 15, 2020 12:06:30 PM Pacific Standard Time
Printed: Tuesday, December 15, 2020 12:06:51 PM Pacific Standard Time

GPB 12/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

*711
12/15/2020*

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

#	Name	Resp.	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec.	DU	EMPC
1	2,3,7,8-TCDD	2.54e3	0.64	YES	0.980	10.027	26.396	26.38	1.001	1.001	0.60494		0.0384	0.541
2	1,2,3,7,8-PeCDD	3.21e3	0.66	NO	0.932	10.027	31.079	31.06	1.001	1.000	0.70819		0.0590	0.708
3	1,2,3,4,7,8-HxCDD	3.74e3	1.34	NO	1.02	10.027	34.368	34.36	1.001	1.000	0.83750		0.157	0.837
4	1,2,3,6,7,8-HxCDD	2.92e4	1.24	NO	0.902	10.027	34.483	34.48	1.001	1.001	6.3652		0.159	6.37
5	1,2,3,7,8,9-HxCDD	1.48e4	1.24	NO	0.954	10.027	34.745	34.74	1.000	1.000	2.7309		0.132	2.73
6	1,2,3,4,6,7,8-HpCDD	4.00e5	1.02	NO	0.918	10.027	38.200	38.21	1.000	1.001	93.591		0.492	93.6
7	OCDD	2.73e6	0.88	NO	0.866	10.027	41.113	41.12	1.000	1.000	987.73		0.518	988
8	2,3,7,8-TCDF	2.31e4	0.72	NO	0.848	10.027	25.672	25.70	1.000	1.001	5.0830		0.0729	5.08
9	1,2,3,7,8-PeCDF	4.83e4	1.55	NO	0.960	10.027	29.785	29.80	1.000	1.000	7.3426		0.0616	7.34
10	2,3,4,7,8-PeCDF	1.92e4	1.61	NO	1.07	10.027	30.874	30.87	1.001	1.000	3.2871		0.0700	3.29
11	1,2,3,4,7,8-HxCDF	7.90e4	1.23	NO	0.986	10.027	33.447	33.46	1.000	1.001	14.377		0.0731	14.4
12	1,2,3,6,7,8-HxCDF	2.37e4	1.21	NO	1.04	10.027	33.592	33.58	1.001	1.000	3.9254		0.0667	3.93
13	2,3,4,6,7,8-HxCDF	8.26e3	1.15	NO	1.02	10.027	34.253	34.26	1.001	1.001	1.3370		0.0714	1.34
14	1,2,3,7,8,9-HxCDF	2.44e3	1.08	NO	0.991	10.027	35.248	35.26	1.000	1.001	0.45605		0.0878	0.456
15	1,2,3,4,6,7,8-HpCDF	8.13e4	1.02	NO	1.05	10.027	36.824	36.82	1.000	1.000	17.366		0.144	17.4
16	1,2,3,4,7,8,9-HpCDF	1.18e4	1.10	NO	1.18	10.027	38.828	38.83	1.000	1.000	2.8599		0.119	2.86
17	OCDF	1.54e5	0.86	NO	0.896	10.027	41.406	41.41	1.000	1.000	47.905		0.122	47.9
18	13C-2,3,7,8-TCDD	8.54e5	0.79	NO	1.06	10.027	26.368	26.36	1.030	1.030	96.997	48.6	0.0824	
19	13C-1,2,3,7,8-PeCDD	9.70e5	0.65	NO	0.785	10.027	31.211	31.05	1.219	1.213	148.24	74.3	0.135	
20	13C-1,2,3,4,7,8-HxCDD	8.73e5	1.29	NO	0.621	10.027	34.337	34.35	1.014	1.014	186.76	93.6	0.300	
21	13C-1,2,3,6,7,8-HxCDD	1.01e6	1.27	NO	0.734	10.027	34.459	34.46	1.017	1.017	183.27	91.9	0.253	
22	13C-1,2,3,7,8,9-HxCDD	1.13e6	1.25	NO	0.723	10.027	34.743	34.74	1.026	1.025	208.21	104	0.257	
23	13C-1,2,3,4,6,7,8-HpCDD	9.28e5	1.06	NO	0.568	10.027	38.243	38.19	1.129	1.127	217.06	109	0.582	
24	13C-OCDD	1.28e6	0.90	NO	0.496	10.027	41.180	41.10	1.216	1.213	341.42	85.6	0.360	
25	13C-2,3,7,8-TCDF	1.07e6	0.78	NO	0.919	10.027	25.667	25.67	1.003	1.003	87.275	43.8	0.0827	
26	13C-1,2,3,7,8-PeCDF	1.37e6	1.59	NO	0.715	10.027	29.921	29.78	1.169	1.164	143.35	71.9	0.224	
27	13C-2,3,4,7,8-PeCDF	1.09e6	1.52	NO	0.689	10.027	31.008	30.85	1.212	1.205	118.77	59.5	0.232	
28	13C-1,2,3,4,7,8-HxCDF	1.11e6	0.51	NO	0.873	10.027	33.442	33.44	0.987	0.987	168.89	84.7	0.288	
29	13C-1,2,3,6,7,8-HxCDF	1.16e6	0.51	NO	0.933	10.027	33.571	33.57	0.991	0.991	165.09	82.8	0.270	
30	13C-2,3,4,6,7,8-HxCDF	1.21e6	0.51	NO	0.843	10.027	34.238	34.23	1.011	1.011	190.16	95.3	0.299	
31	13C-1,2,3,7,8,9-HxCDF	1.08e6	0.50	NO	0.780	10.027	35.238	35.24	1.040	1.040	183.37	91.9	0.323	

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-12.qld

Last Altered: Tuesday, December 15, 2020 12:06:30 PM Pacific Standard Time

Printed: Tuesday, December 15, 2020 12:06:51 PM Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

#	Name	Resp	RA	ny	RRF	w/Vol	Pred.RT	RT	Pred.RRT	RRT	Conc	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	8.90e5	0.44	NO	0.726	10.027	36.813	36.81	1.087	1.086	162.54	81.5	0.356	
33	13C-1,2,3,4,7,8,9-HpCDF	7.00e5	0.43	NO	0.491	10.027	38.822	38.82	1.146	1.146	189.22	94.9	0.526	
34	13C-OCDF	1.44e6	0.89	NO	0.565	10.027	41.396	41.40	1.222	1.222	337.05	84.5	0.330	
35	37Cl-2,3,7,8-TCDD	4.05e5			1.22	10.027	26.363	26.38	1.030	1.031	39.889	50.0	0.0304	
36	13C-1,2,3,4-TCDD	1.66e6	0.80	NO	1.00	10.027	25.640	25.59	1.000	1.000	199.47	100	0.0870	
37	13C-1,2,3,4-TCDF	2.66e6	0.78	NO	1.00	10.027	24.130	24.10	1.000	1.000	199.47	100	0.0760	
38	13C-1,2,3,4,6,9-HxCDF	1.50e6	0.51	NO	1.00	10.027	33.920	33.88	1.000	1.000	199.47	100	0.252	
39	Total Tetra-Dioxins				0.980	10.027	24.620		0.000		2.3095		0.0334	2.99
40	Total Penta-Dioxins				0.932	10.027	29.960		0.000		4.5316		0.0590	5.61
41	Total Hexa-Dioxins				0.902	10.027	33.635		0.000		48.123		0.157	48.1
42	Total Hepta-Dioxins				0.918	10.027	37.640		0.000		194.06		0.492	194
43	Total Tetra-Furans				0.848	10.027	23.610		0.000		18.164		0.0729	20.7
44	1st Func. Penta-Furans				0.960	10.027	26.930		0.000		4.9171		0.0151	4.92
45	Total Penta-Furans				0.960	10.027	29.275		0.000		21.289		0.0688	21.3
46	Total Hexa-Furans				1.02	10.027	33.555		0.000		41.469		0.0736	41.5
47	Total Hepta-Furans				1.05	10.027	37.835		0.000		49.246		0.140	49.2

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-12.qld

Last Altered: Tuesday, December 15, 2020 12:06:30 PM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 12:06:51 PM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
 Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Dioxins	22.59	1.067e4	2.021e4	9.652e2	1.424e3	0.68	NO	2.389e3	0.56949	0.56949	0.0334
Total Tetra-Dioxins	22.92	7.752e3	8.547e3	6.150e2	6.959e2	0.88	NO	1.311e3	0.31244	0.31244	0.0334
Total Tetra-Dioxins	23.47	3.107e3	4.422e3	2.563e2	3.230e2	0.79	NO	5.793e2	0.13806	0.13806	0.0334
Total Tetra-Dioxins	24.32	3.713e3	3.585e3	2.343e2	2.991e2	0.78	NO	5.334e2	0.12714	0.12714	0.0334
Total Tetra-Dioxins	24.50	3.835e3	3.640e3	2.659e2	3.067e2	0.87	NO	5.726e2	0.13647	0.13647	0.0334
Total Tetra-Dioxins	24.74	6.648e3	7.307e3	4.130e2	4.787e2	0.86	NO	8.917e2	0.21253	0.21253	0.0334
Total Tetra-Dioxins	25.24	2.896e3	3.677e3	1.929e2	2.457e2	0.79	NO	4.386e2	0.10454	0.10454	0.0334
Total Tetra-Dioxins	25.31	2.383e3	2.546e3	1.460e2	1.356e2	1.08	YES	0.000e0	0.00000	0.057218	0.0334
Total Tetra-Dioxins	26.10	1.838e4	2.549e4	1.274e3	1.700e3	0.75	NO	2.974e3	0.70883	0.70883	0.0334
2,3,7,8-TCDD	26.38	1.457e4	2.619e4	9.881e2	1.550e3	0.64	YES	2.538e3	0.00000	0.54133	0.0334
Total Tetra-Dioxins	26.69	3.335e3	2.954e3	2.080e2	1.863e2	1.12	YES	0.000e0	0.00000	0.078590	0.0334

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Dioxins	28.80	3.917e4	6.625e4	3.014e3	4.620e3	0.65	NO	7.635e3	1.6849	1.6849	0.0590
Total Penta-Dioxins	29.28	9.243e3	1.650e4	4.503e2	7.648e2	0.59	NO	1.215e3	0.26818	0.26818	0.0590
Total Penta-Dioxins	29.80	2.510e4	4.108e4	1.601e3	2.241e3	0.71	NO	3.841e3	0.84780	0.84780	0.0590
Total Penta-Dioxins	29.98	2.208e4	3.206e4	8.030e2	1.252e3	0.64	NO	0.000e0	0.00000	0.45354	0.0590
Total Penta-Dioxins	30.01	1.944e4	2.768e4	1.111e2	1.721e3	0.65	NO	0.000e0	0.00000	0.62510	0.0590
Total Penta-Dioxins	30.25	1.447e4	2.087e4	1.092e3	1.663e3	0.66	NO	2.756e3	0.60820	0.60820	0.0590
Total Penta-Dioxins	30.58	2.636e3	4.044e3	1.458e2	2.405e2	0.61	NO	3.863e2	0.085265	0.085265	0.0590
1,2,3,7,8-PeCDD	31.06	2.537e4	3.712e4	1.281e3	1.927e3	0.66	NO	3.209e3	0.70819	0.70819	0.0590
Total Penta-Dioxins	31.11	6.592e3	7.356e3	2.566e2	3.625e2	0.71	NO	6.192e2	0.13665	0.13665	0.0590
Total Penta-Dioxins	31.42	6.363e3	1.380e4	3.080e2	5.637e2	0.55	NO	8.717e2	0.19238	0.19238	0.0590

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-12.qld

Last Altered: Tuesday, December 15, 2020 12:06:30 PM Pacific Standard Time

Printed: Tuesday, December 15, 2020 12:06:51 PM Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	in/y	Resp	Conc	EMPC	DL
1	Total Hexa-Dioxins	32.71	5.759e5	4.764e5	2.824e4	2.307e4	1.22	NO	5.131e4	11.264	11.264	0.157
2	Total Hexa-Dioxins	33.32	6.318e4	5.198e4	3.350e3	2.608e3	1.28	NO	5.958e3	1.3080	1.3080	0.157
3	Total Hexa-Dioxins	33.61	9.328e5	7.447e5	6.243e4	4.925e4	1.27	NO	1.117e5	24.520	24.520	0.157
4	Total Hexa-Dioxins	33.68	3.327e4	2.538e4	1.711e3	1.295e3	1.32	NO	3.007e3	0.66012	0.66012	0.157
5	1,2,3,4,7,8-HxCDD	34.36	3.988e4	3.269e4	2.145e3	1.595e3	1.34	NO	3.740e3	0.83750	0.83750	0.157
6	1,2,3,6,7,8-HxCDD	34.48	2.887e5	2.292e5	1.617e4	1.301e4	1.24	NO	2.919e4	6.3652	6.3652	0.159
7	Total Hexa-Dioxins	34.63	2.046e4	1.553e4	1.159e3	8.297e2	1.40	NO	1.989e3	0.43664	0.43664	0.157
8	1,2,3,7,8,9-HxCDD	34.74	1.424e5	1.283e5	8.187e3	6.620e3	1.24	NO	1.481e4	2.7309	2.7309	0.132

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	in/y	Resp	Conc	EMPC	DL
1	Total Hepta-Dioxins	37.19	3.214e6	3.106e6	2.173e5	2.120e5	1.02	NO	4.293e5	100.47	100.47	0.492
2	1,2,3,4,6,7,8-HpCDD	38.21	3.897e6	3.757e6	2.024e5	1.975e5	1.02	NO	3.999e5	93.591	93.591	0.492

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-12.qld

Last Altered: Tuesday, December 15, 2020 12:06:30 PM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 12:06:51 PM Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Furans	20.32	5.993e3	6.808e3	4.829e2	6.716e2	0.72	NO	1.155e3	0.25410	0.25410	0.0729
2	Total Tetra-Furans	20.86	6.929e3	9.223e3	5.428e2	6.771e2	0.80	NO	1.220e3	0.26849	0.26849	0.0729
3	Total Tetra-Furans	21.68	3.575e4	5.227e4	3.273e3	4.752e3	0.69	NO	8.025e3	1.7663	1.7663	0.0729
4	Total Tetra-Furans	22.05	3.365e3	4.328e3	2.435e2	3.157e2	0.77	NO	5.592e2	0.12309	0.12309	0.0729
5	Total Tetra-Furans	22.14	8.448e3	1.181e4	9.141e2	1.278e3	0.72	NO	2.192e3	0.48250	0.48250	0.0729
6	Total Tetra-Furans	22.27	3.996e3	4.386e3	2.466e2	3.061e2	0.81	NO	5.528e2	0.12166	0.12166	0.0729
7	Total Tetra-Furans	22.62	2.908e4	3.892e4	2.933e3	3.806e3	0.77	NO	6.740e3	1.4834	1.4834	0.0729
8	Total Tetra-Furans	23.07	1.503e4	2.580e4	1.335e3	1.974e3	0.68	NO	3.309e3	0.72830	0.72830	0.0729
9	Total Tetra-Furans	23.21	7.109e3	7.409e3	5.246e2	6.533e2	0.80	NO	1.178e3	0.25926	0.25926	0.0729
10	Total Tetra-Furans	23.44	1.095e4	1.416e4	7.932e2	1.187e3	0.67	NO	1.980e3	0.43583	0.43583	0.0729
11	Total Tetra-Furans	23.87	4.136e3	4.423e3	2.093e2	2.805e2	0.75	NO	4.898e2	0.10780	0.10780	0.0729
12	Total Tetra-Furans	23.95	4.931e3	7.891e3	3.535e2	5.311e2	0.67	NO	8.846e2	0.19470	0.19470	0.0729
13	Total Tetra-Furans	24.16	2.585e4	3.569e4	9.132e2	1.392e3	0.66	NO	0.000e0	0.00000	0.50741	0.0729
14	Total Tetra-Furans	24.19	3.619e4	4.623e4	3.379e3	4.555e3	0.74	NO	0.000e0	0.00000	1.7463	0.0729
15	Total Tetra-Furans	24.68	1.151e5	1.552e5	7.921e3	1.048e4	0.76	NO	1.840e4	4.0507	4.0507	0.0729
16	Total Tetra-Furans	24.99	7.497e3	8.237e3	4.211e2	5.626e2	0.75	NO	9.837e2	0.21651	0.21651	0.0729
17	Total Tetra-Furans	25.09	5.108e3	5.876e3	3.207e2	3.692e2	0.87	NO	6.900e2	0.15186	0.15186	0.0729
18	Total Tetra-Furans	25.40	4.572e3	5.617e3	2.959e2	3.543e2	0.84	NO	6.503e2	0.14312	0.14312	0.0729
19	Total Tetra-Furans	25.57	4.130e4	4.597e4	2.585e3	3.417e3	0.76	NO	6.003e3	1.3212	1.3212	0.0729
20	2,3,7,8-TCDF	25.70	1.490e5	2.175e5	9.690e3	1.340e4	0.72	NO	2.309e4	5.0830	5.0830	0.0729
21	Total Tetra-Furans	25.91	5.107e3	6.129e3	3.143e2	4.391e2	0.72	NO	7.533e2	0.16580	0.16580	0.0729
22	Total Tetra-Furans	25.99	8.676e3	1.115e4	4.511e2	6.675e2	0.68	NO	0.000e0	0.00000	0.24619	0.0729
23	Total Tetra-Furans	26.25	3.929e3	5.104e3	2.378e2	2.718e2	0.87	NO	5.097e2	0.11217	0.11217	0.0729
24	Total Tetra-Furans	27.19	8.785e3	1.136e4	5.229e2	6.983e2	0.75	NO	1.221e3	0.26878	0.26878	0.0729
25	Total Tetra-Furans	27.58	1.426e4	1.962e4	8.346e2	1.098e3	0.76	NO	1.933e3	0.42542	0.42542	0.0729

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	27.18	3.086e5	1.899e5	1.797e4	1.108e4	1.62	NO	2.905e4	4.9171	4.9171	0.0151

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-12.qld

Last Altered: Tuesday, December 15, 2020 12:06:30 PM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 12:06:51 PM Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Furans	28.67	2.413e4	1.972e4	1.724e3	1.209e3	1.43	NO	2.933e3	0.49654	0.49654	0.0688
2	Total Penta-Furans	28.82	2.772e5	1.697e5	1.898e4	1.213e4	1.56	NO	3.111e4	5.2665	5.2665	0.0688
3	Total Penta-Furans	29.45	9.542e4	5.720e4	5.269e3	3.352e3	1.57	NO	8.621e3	1.4593	1.4593	0.0688
4	Total Penta-Furans	29.60	3.697e4	2.989e4	2.153e3	1.598e3	1.35	NO	3.752e3	0.63511	0.63511	0.0688
5	1,2,3,7,8-PeCDF	29.80	5.601e5	3.884e5	2.931e4	1.894e4	1.55	NO	4.825e4	7.3426	7.3426	0.0616
6	Total Penta-Furans	29.89	8.915e3	4.621e3	4.124e2	3.008e2	1.37	NO	7.132e2	0.12073	0.12073	0.0688
7	Total Penta-Furans	30.05	1.560e5	9.173e4	7.971e3	5.391e3	1.48	NO	1.336e4	2.2620	2.2620	0.0688
8	Total Penta-Furans	30.67	1.681e4	1.103e4	7.521e2	4.295e2	1.75	NO	1.182e3	0.20002	0.20002	0.0688
9	2,3,4,7,8-PeCDF	30.87	2.448e5	1.471e5	1.183e4	7.335e3	1.61	NO	1.916e4	3.2871	3.2871	0.0700
10	Total Penta-Furans	31.77	1.241e4	8.016e3	7.521e2	5.419e2	1.39	NO	1.294e3	0.21906	0.21906	0.0688

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Hexa-Furans	32.19	1.789e5	1.450e5	7.876e3	6.706e3	1.17	NO	1.458e4	2.5023	2.5023	0.0736
2	Total Hexa-Furans	32.36	5.874e5	5.021e5	2.750e4	2.282e4	1.20	NO	5.032e4	8.6354	8.6354	0.0736
3	Total Hexa-Furans	32.78	9.427e3	6.638e3	5.595e2	4.224e2	1.32	NO	9.819e2	0.16850	0.16850	0.0736
4	Total Hexa-Furans	32.99	5.743e5	4.549e5	2.778e4	2.257e4	1.23	NO	5.035e4	8.6400	8.6400	0.0736
5	Total Hexa-Furans	33.32	1.417e4	1.245e4	7.349e2	6.574e2	1.12	NO	1.392e3	0.23894	0.23894	0.0736
6	1,2,3,4,7,8-HxCDF	33.46	8.739e5	7.045e5	4.349e4	3.548e4	1.23	NO	7.897e4	14.377	14.377	0.0731
7	1,2,3,6,7,8-HxCDF	33.58	2.515e5	2.059e5	1.300e4	1.073e4	1.21	NO	2.373e4	3.9254	3.9254	0.0667
8	Total Hexa-Furans	33.91	6.607e3	5.978e3	3.405e2	3.005e2	1.13	NO	6.410e2	0.11000	0.11000	0.0736
9	2,3,4,6,7,8-HxCDF	34.26	7.714e4	6.247e4	4.419e3	3.840e3	1.15	NO	8.259e3	1.3370	1.3370	0.0714
10	1,2,3,7,8,9-HxCDF	35.26	5.011e4	4.096e4	1.269e3	1.173e3	1.08	NO	2.441e3	0.45605	0.45605	0.0878
11	Total Hexa-Furans	35.28	6.790e4	6.122e4	3.382e3	2.903e3	1.16	NO	6.285e3	1.0785	1.0785	0.0736

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-12.qld

Last Altered: Tuesday, December 15, 2020 12:06:30 PM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 12:06:51 PM Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-À-02-03-201107

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDF	36.82	6.251e5	6.367e5	4.095e4	4.031e4	1.02	NO	8.126e4	17.366	17.366	0.144
Total Hepta-Furans	37.28	8.611e3	1.253e4	7.587e2	8.411e2	0.90	NO	1.600e3	0.38265	0.38265	0.140
Total Hepta-Furans	37.54	9.728e5	9.589e5	6.002e4	5.970e4	1.01	NO	1.197e5	28.638	28.638	0.140
1,2,3,4,7,8,9-HpCDF	38.83	1.195e5	1.145e5	6.187e3	5.616e3	1.10	NO	1.180e4	2.8599	2.8599	0.119

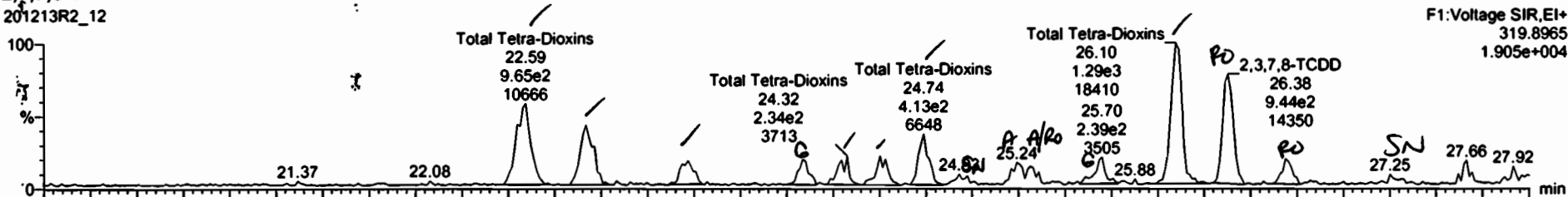
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

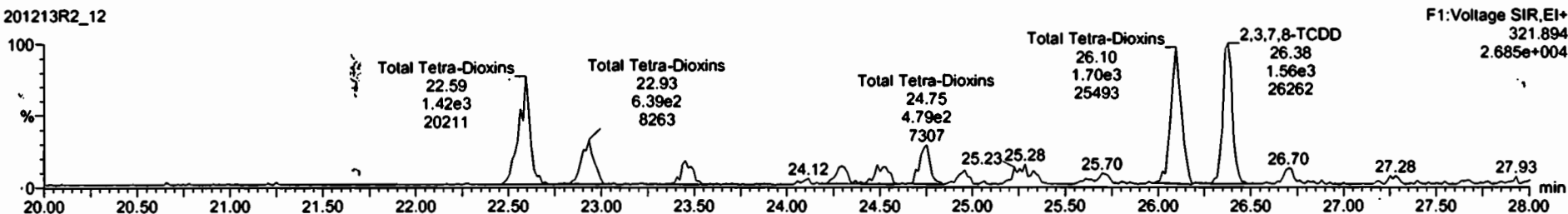
Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

2,3,7,8-TCDD

201213R2_12



201213R2_12

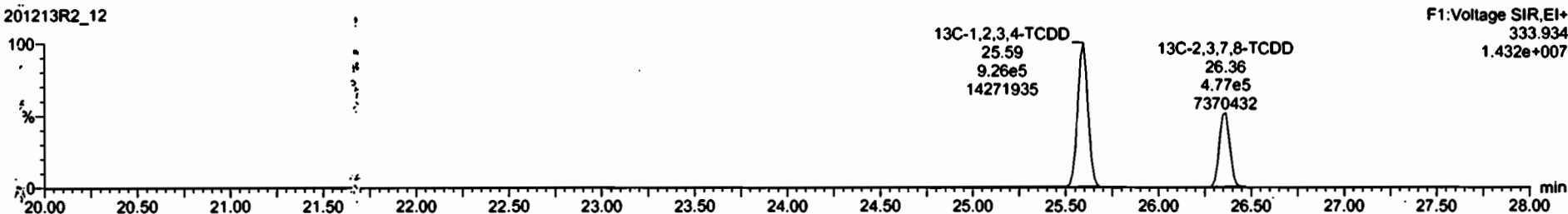


13C-2,3,7,8-TCDD

201213R2_12

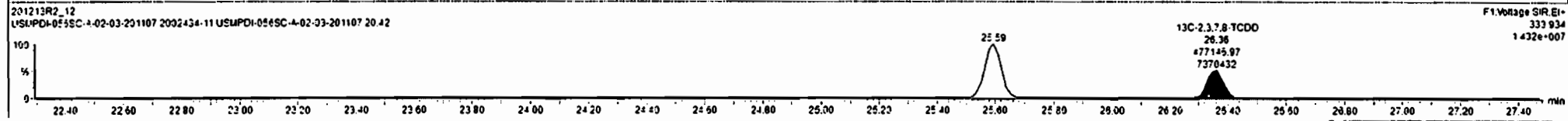
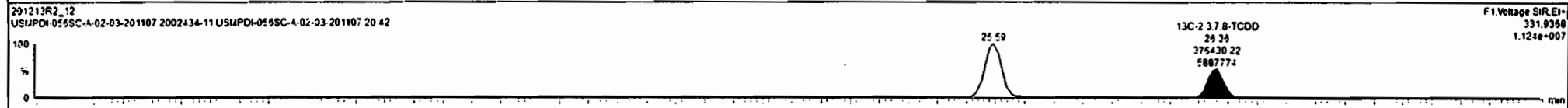
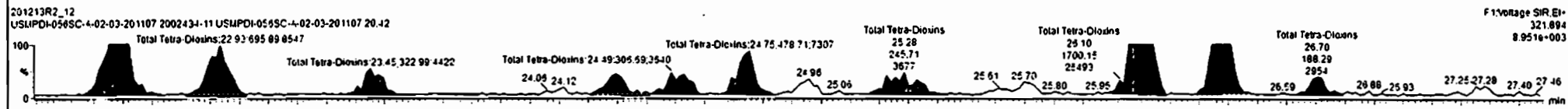
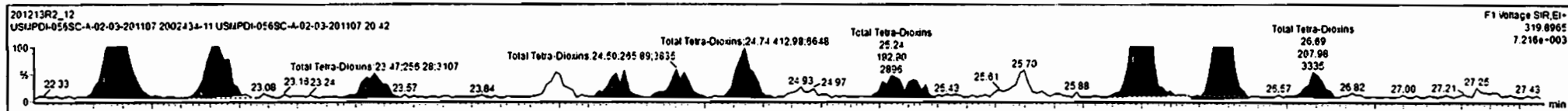


201213R2_12



RT	Name	Reso	RA	nlv	RRF	wt/wt	RT	RRT	Conc.	%Rec	DL	EUPC
39	Total Tetra-Dioxins				0.8865	10.027			2.31		0.0334	2.99

RT	Name	m1 Resp	m2 Resp	RA	nlv	EUPC	Conc
22.59	Total Tetra-Dioxins	9.652e2	1.474e2	0.68	NO	54949	0.56549
22.92	Total Tetra-Dioxins	6.155e2	6.959e2	0.88	NO	331244	0.31244
23.47	Total Tetra-Dioxins	2.563e2	3.230e2	0.79	NO	13806	0.13806
24.32	Total Tetra-Dioxins	2.347e2	2.991e2	0.78	NO	12714	0.12714
24.50	Total Tetra-Dioxins	2.859e2	3.697e2	0.87	NO	13847	0.13847
24.74	Total Tetra-Dioxins	4.135e2	4.787e2	0.86	NO	21253	0.21253
25.24	Total Tetra-Dioxins	1.929e2	2.457e2	0.79	NO	15454	0.15454
25.31	Total Tetra-Dioxins	1.465e2	1.356e2	1.08	YES	957216	0.03000
26.10	Total Tetra-Dioxins	1.274e2	1.700e2	0.72	NO	75883	0.75883
26.36	2,3,7,8-TCDD	9.881e2	1.550e2	0.64	YES	54133	0.00000
26.69	Total Tetra-Dioxins	2.080e2	1.863e2	1.12	YES	678590	0.00000

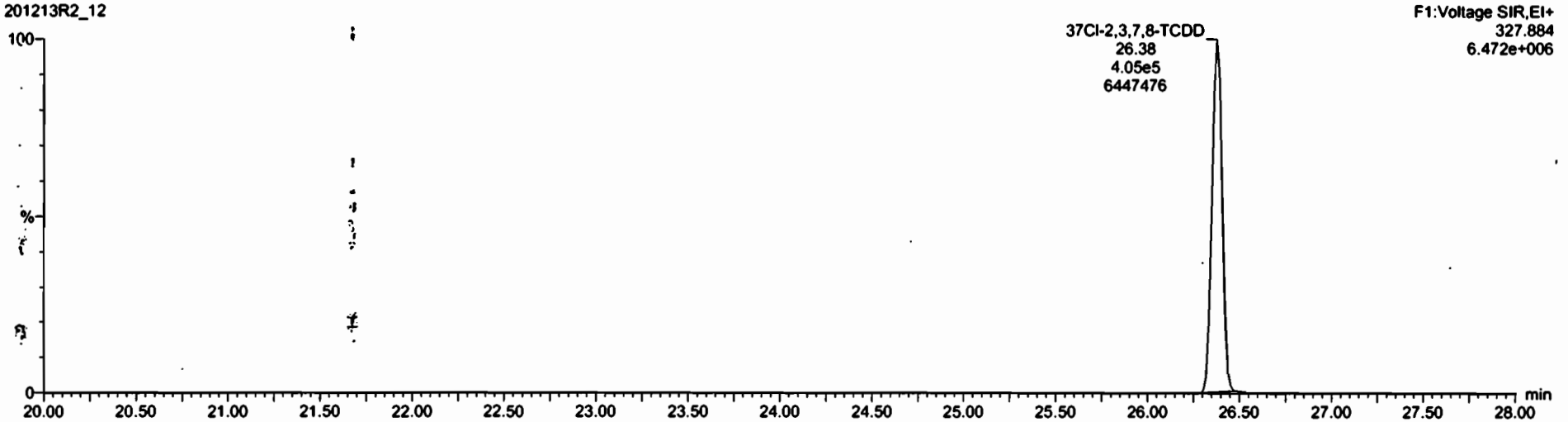


Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

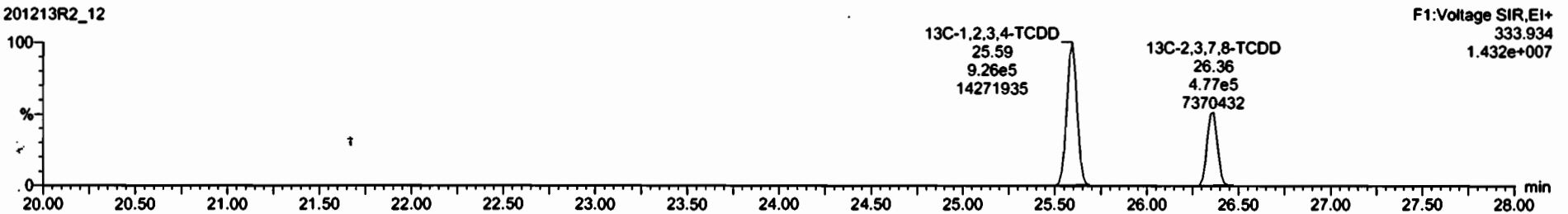
37Cl-2,3,7,8-TCDD
201213R2_12



13C-1,2,3,4-TCDD
201213R2_12



201213R2_12



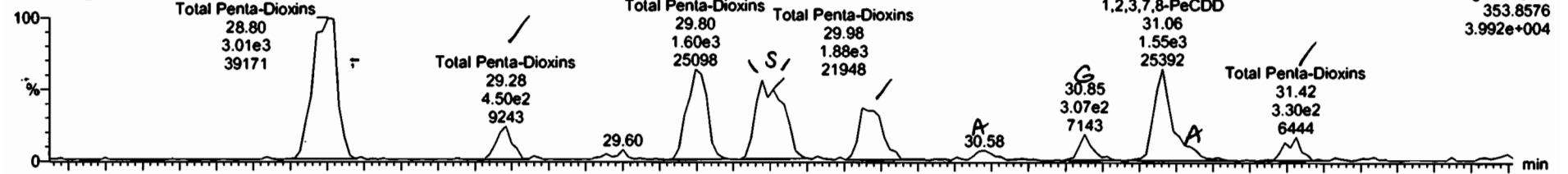
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

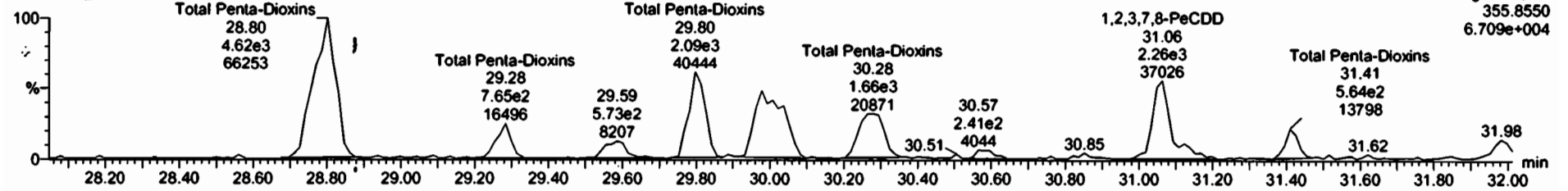
1,2,3,7,8-PeCDD

201213R2_12



F2:Voltage SIR,EI+
353.8576
3.992e+004

201213R2_12



F2:Voltage SIR,EI+
355.8550
6.709e+004

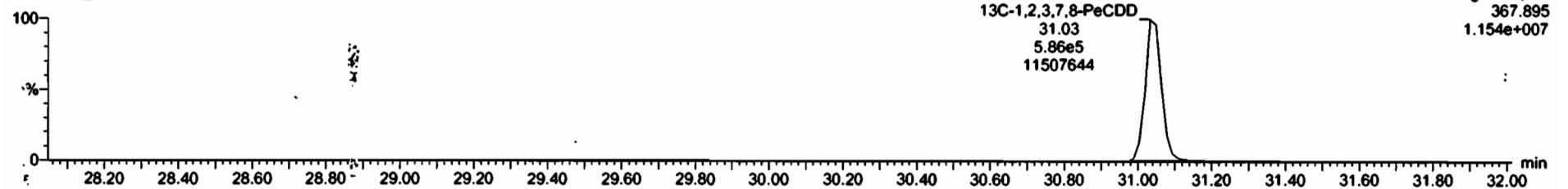
13C-1,2,3,7,8-PeCDD

201213R2_12



F2:Voltage SIR,EI+
365.8978
7.578e+006

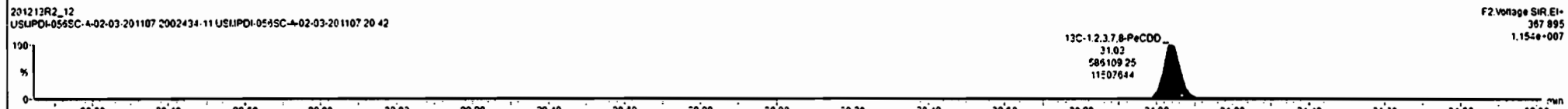
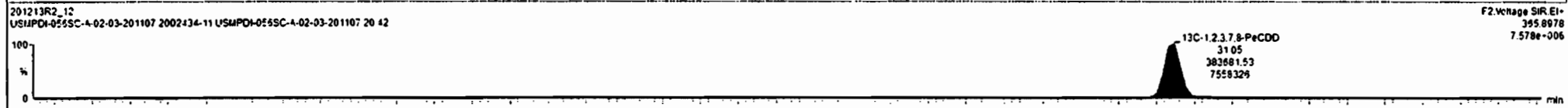
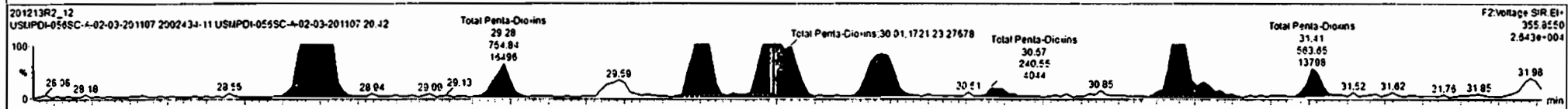
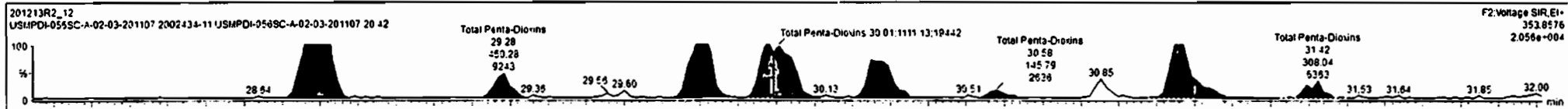
201213R2_12



F2:Voltage SIR,EI+
367.895
1.154e+007

Name	Reso	RA	n/y	RRF	w/vol	RT	RRT	Conc	%Rec	DL	EUPC
35	Total-Tetra-Dioxins			0.58E5	10.027			2.31	0.0334	2.93	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EUPC	Conc
1	Total-Penta-Dioxins	28.80	3.014e3	4.620e2	0.87	HO	1.6849
2	Total-Penta-Dioxins	29.28	4.503e2	7.648e2	0.59	HO	0.26818
3	Total-Penta-Dioxins	29.80	1.807e2	2.241e3	0.71	HO	0.84780
4	Total-Penta-Dioxins	29.96	8.630e2	1.252e2	0.84	HO	0.45354
5	Total-Penta-Dioxins	30.01	1.111e3	1.721e2	0.85	HO	0.62519
6	Total-Penta-Dioxins	30.25	1.092e3	1.653e2	0.66	HO	0.60820
7	Total-Penta-Dioxins	30.58	1.458e2	2.405e2	0.61	HO	0.085265
8	1,2,3,7,8-PeCDD	31.06	1.281e2	1.927e2	0.66	HO	0.70819
9	Total-Penta-Dioxins	31.11	2.566e2	3.625e2	0.71	HO	0.13665
10	Total-Penta-Dioxins	31.42	3.606e2	5.637e2	0.55	HO	0.19238



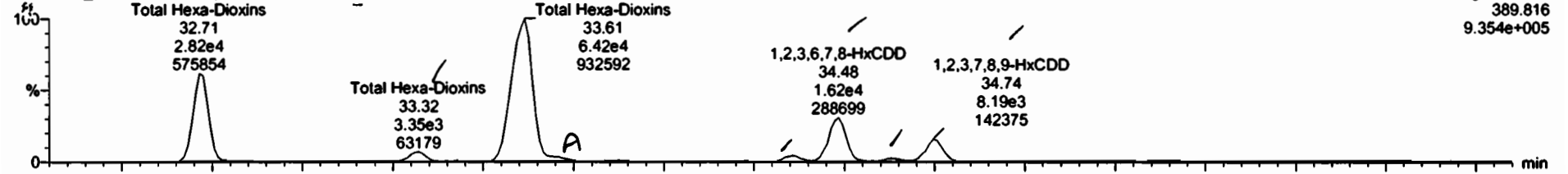
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

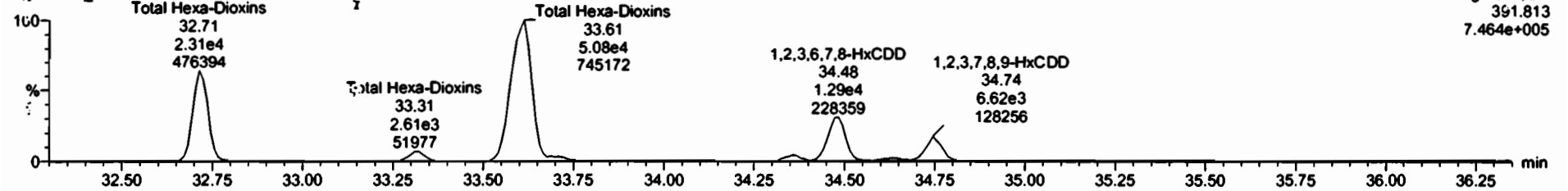
Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

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

201213R2_12

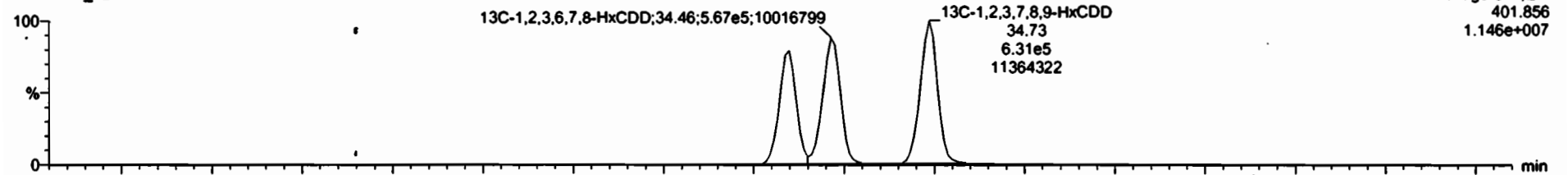


201213R2_12

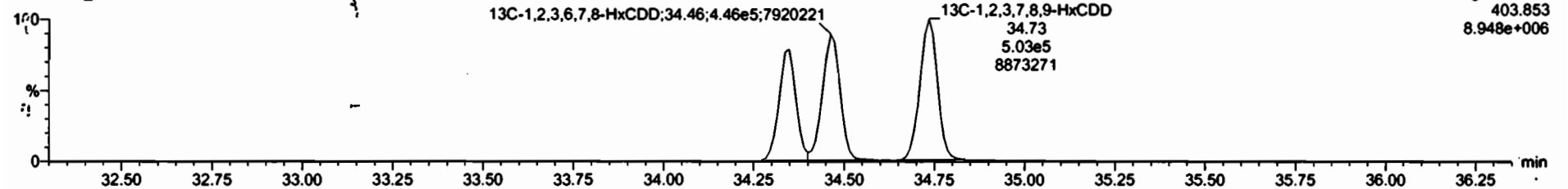


13C-1,2,3,4,7,8-HxCDD

201213R2_12



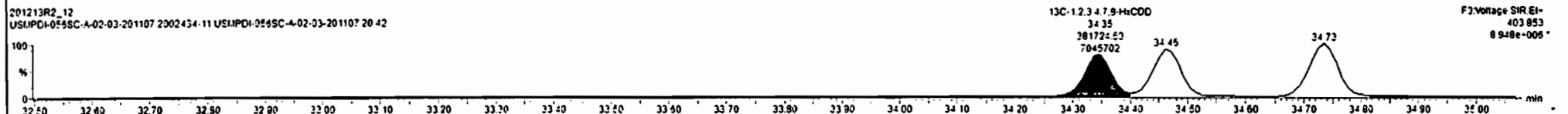
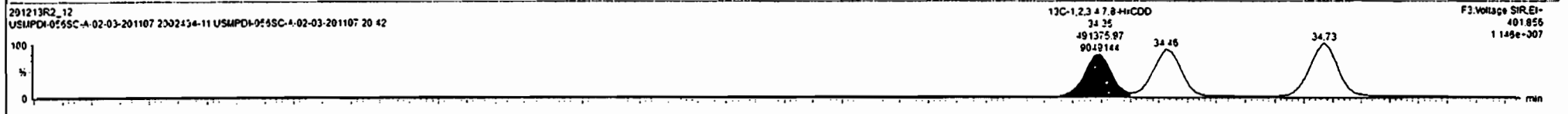
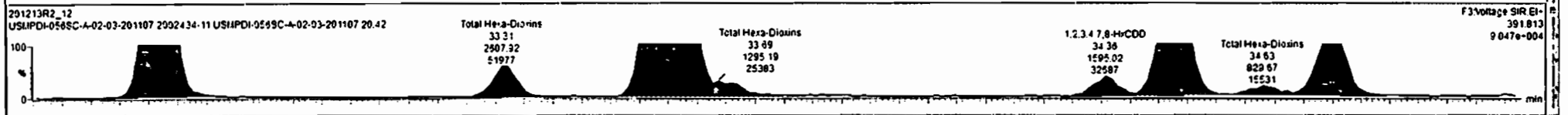
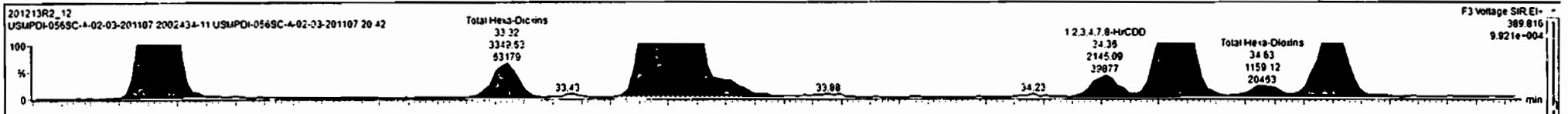
201213R2_12



201213R2_12 : 2002434.11 USMPDI-056SC-A-02-03-201107 20 42 - USMPDI-056SC-A-02-03-201107

Name	Reso	RA	ny	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
#1 Total Hexa-Dioxins				0.0025	10.027			48.1		0.157	48.1

Name	RT1	m1 Resp	m2 Resp	RA	ny	EMPC	Conc
1 Total Hexa-Dioxins	32.71	2.824e4	2.307e4	1.22	HO	11.264	11.264
2 Total Hexa-Dioxins	33.32	3.355e2	2.606e3	1.28	HO	1.2080	1.3080
3 Total Hexa-Dioxins	33.81	6.242e4	4.825e4	1.27	HO	24.520	24.520
4 Total Hexa-Dioxins	33.86	1.711e3	1.295e3	1.32	HO	5.62512	0.86512
5 1,2,3,4,7,8-HxCDD	34.36	2.145e3	1.595e3	1.34	HO	0.83750	0.83750
6 1,2,3,6,7,8-HxCDD	34.48	1.817e4	1.301e4	1.24	HO	6.3652	6.3652
7 Total Hexa-Dioxins	34.93	1.159e3	8.287e2	1.40	HO	5.43664	0.43664
8 1,2,3,7,8,9-HxCDD	34.74	8.187e3	6.620e3	1.24	HO	2.7309	2.7309



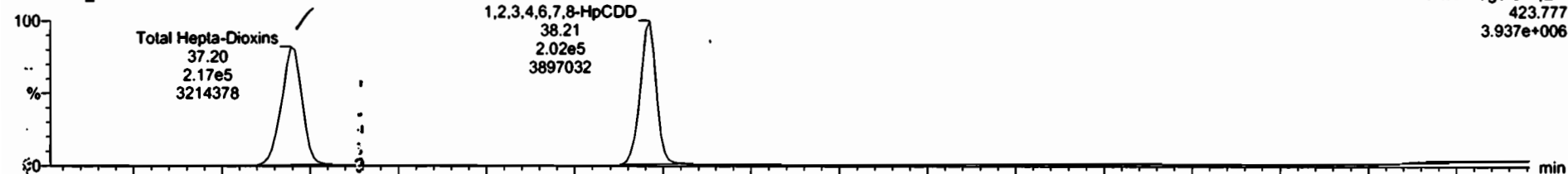
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

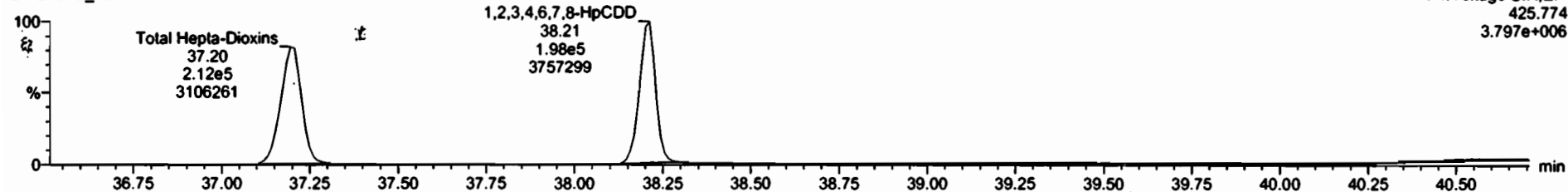
Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

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

201213R2_12

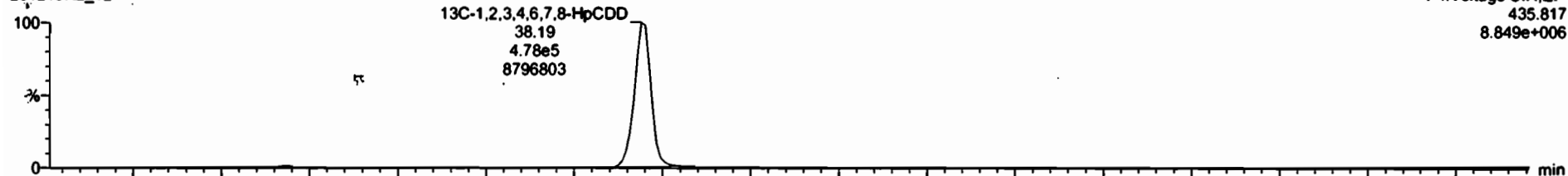


201213R2_12

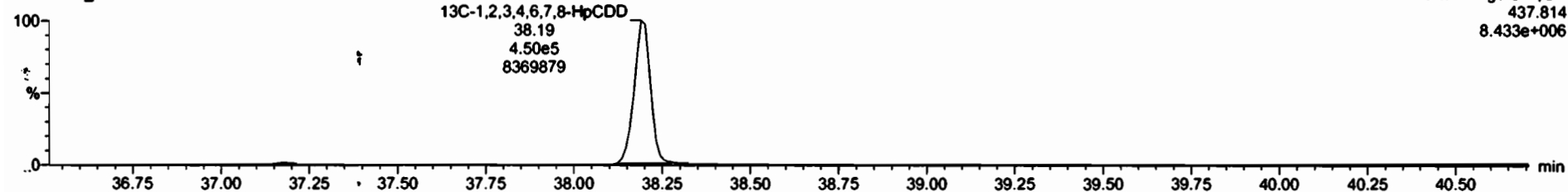


13C-1,2,3,4,6,7,8-HpCDD

201213R2_12



201213R2_12



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

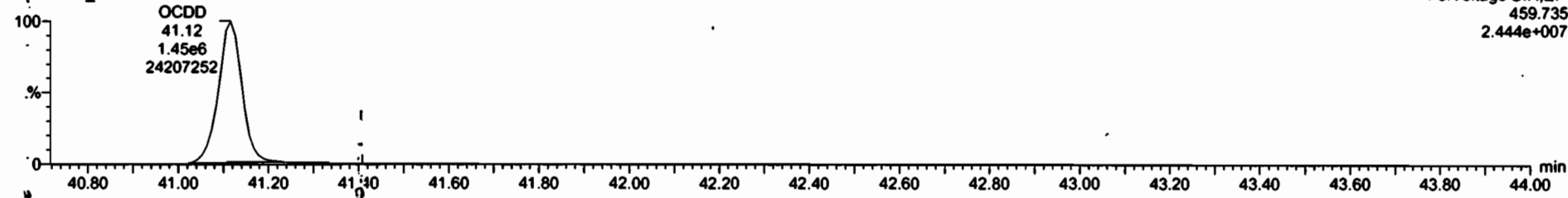
Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

OCDD

201213R2_12



201213R2_12

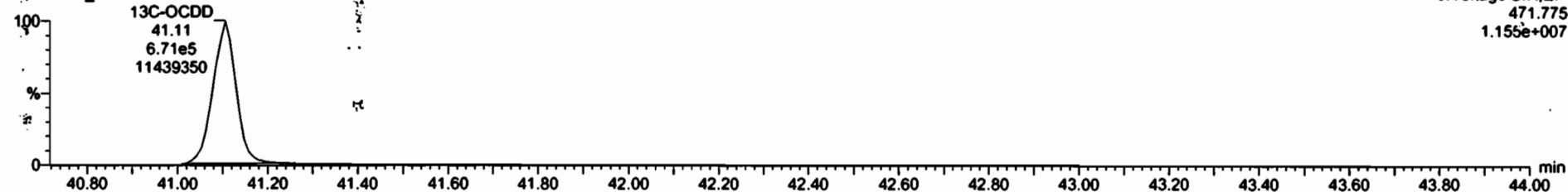


13C-OCDD

201213R2_12



201213R2_12



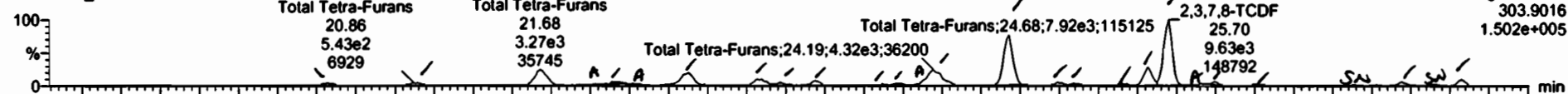
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

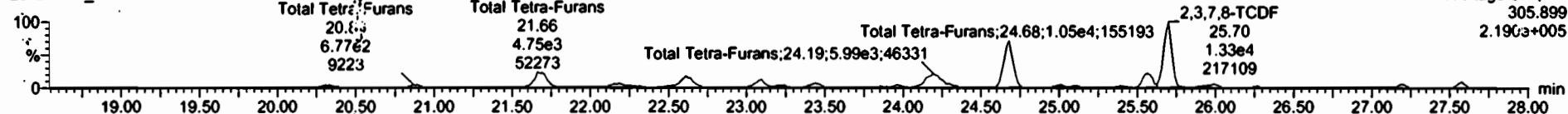
Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

2,3,7,8-TCDF

201213R2_12

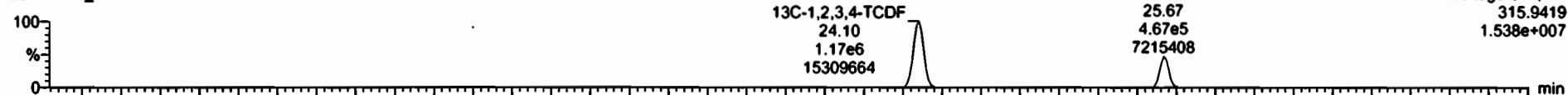


201213R2_12

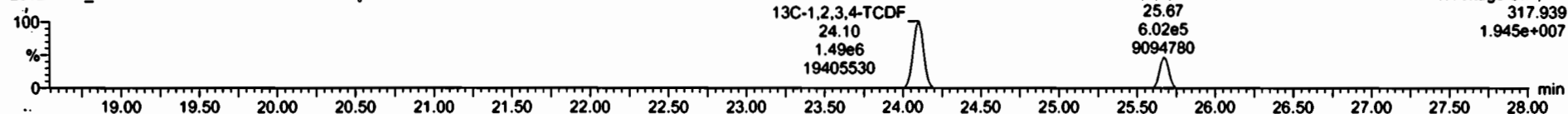


13C-2,3,7,8-TCDF

201213R2_12

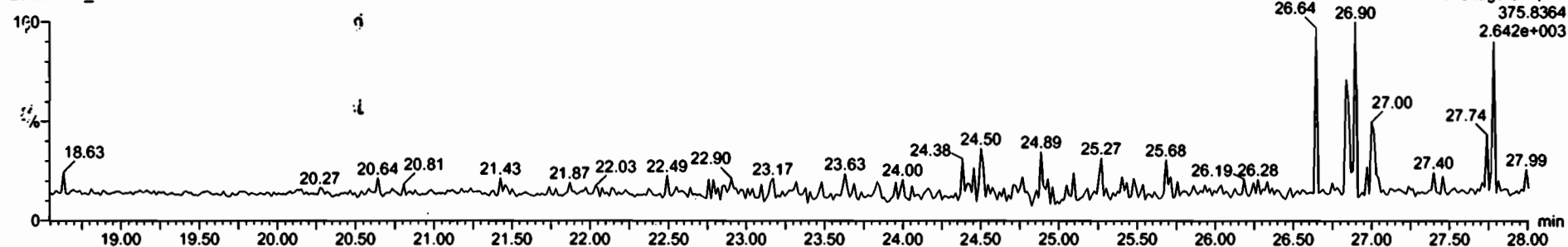


201213R2_12



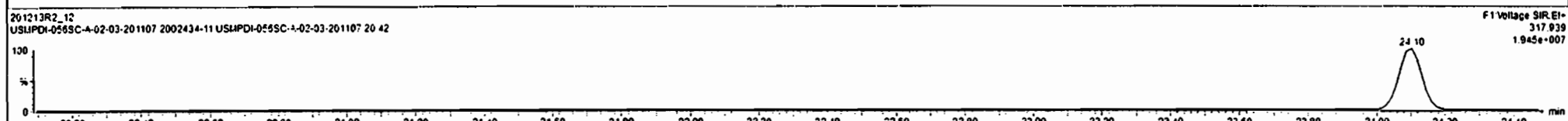
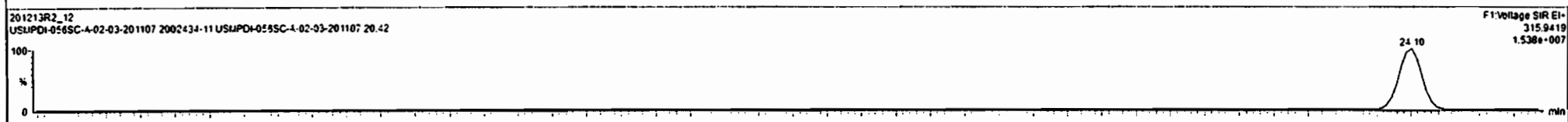
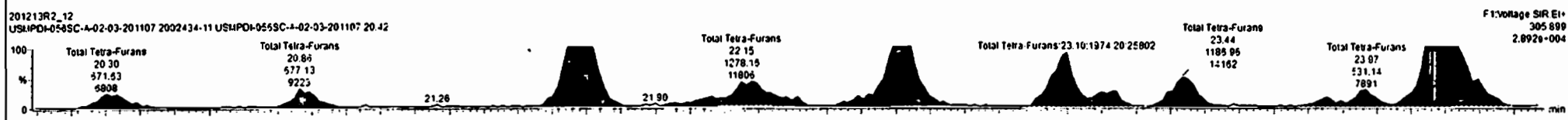
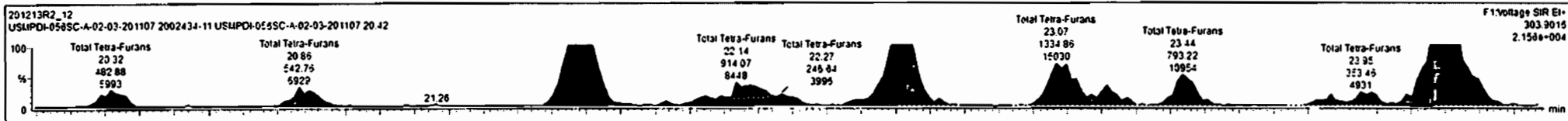
DPE1

201213R2_12



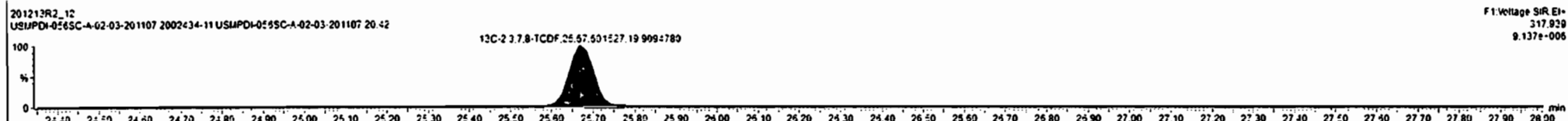
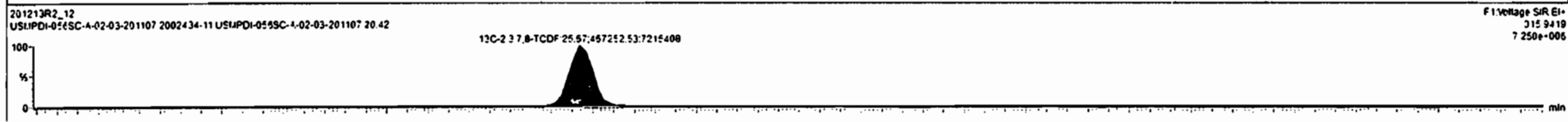
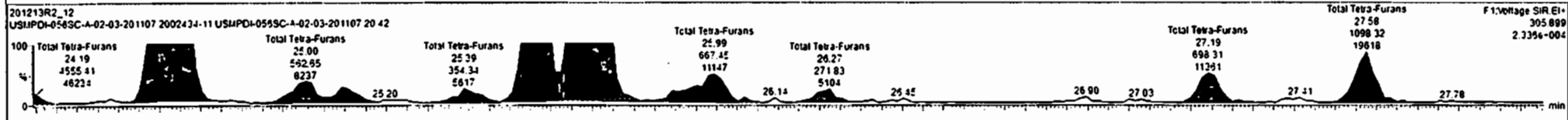
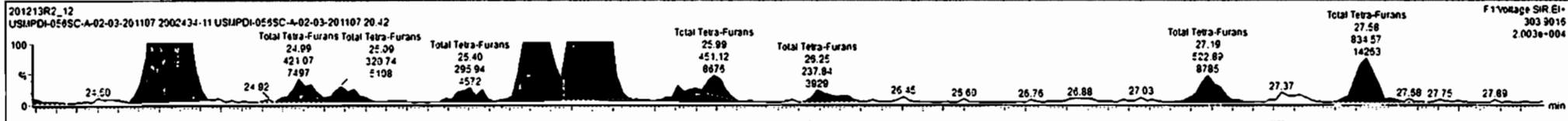
Name	Reop	RA	nly	RFP	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
#3 Total Tetra-Furans				0.8480	10.027			17.7		0.0720	20.4

Name	RT1	mt Resp	n2 Resp	RA	nly	EMPC	Conc.
1 Total Tetra-Furans	20.32	4.825e2	6.716e2	0.72	100	0.25410	0.25410
2 Total Tetra-Furans	20.86	5.428e2	6.771e2	0.85	100	0.26849	0.26849
3 Total Tetra-Furans	21.88	3.273e2	4.752e2	0.59	100	1.7683	1.7683
4 Total Tetra-Furans	22.05	2.435e2	3.157e2	0.77	100	0.12309	0.12309
5 Total Tetra-Furans	22.14	9.141e2	1.278e3	0.72	100	0.48253	0.48250
6 Total Tetra-Furans	22.27	2.466e2	3.051e2	0.81	100	0.12196	0.12196
7 Total Tetra-Furans	22.82	2.933e2	3.806e2	0.77	100	1.4834	1.4834
8 Total Tetra-Furans	23.07	1.335e2	1.874e2	0.68	100	0.73830	0.72230
9 Total Tetra-Furans	23.21	5.246e2	6.533e2	0.80	100	0.25826	0.25826
10 Total Tetra-Furans	23.44	7.932e2	1.187e2	0.67	100	0.43583	0.43583
11 Total Tetra-Furans	23.87	2.093e2	2.805e2	0.75	100	0.10780	0.10780
12 Total Tetra-Furans	23.95	3.435e2	5.311e2	0.67	100	0.19470	0.19470
13 Total Tetra-Furans	24.16	8.132e2	1.392e2	0.66	100	0.53741	0.03000
14 Total Tetra-Furans	24.19	3.378e2	4.556e2	0.74	100	1.7483	0.03000



SI	Name	Resp	RA	nly	R/R	wt%val	RT	RRT	Conc.	%Rec	DL	EVPC
43	Total Tetra-Furans				0.8488	10.027			10.2		0.0729	20.7

SI	Name	RT	mt Resp	m2 Resp	RA	nly	EVPC	Conc
17	Total Tetra-Furans	23.95	3.535e2	5.311e2	0.67	HO	0.15470	0.19470
13	Total Tetra-Furans	24.16	9.137e2	1.392e3	0.66	HO	0.55741	0.00000
14	Total Tetra-Furans	24.19	3.375e3	4.555e3	0.74	HO	1.74E3	0.00200
15	Total Tetra-Furans	24.90	7.921e3	1.046e4	0.76	HO	4.0507	4.0507
16	Total Tetra-Furans	24.99	4.211e2	5.829e2	0.75	HO	0.21651	0.21651
17	Total Tetra-Furans	25.09	3.267e2	3.692e2	0.87	HO	0.15186	0.15186
18	Total Tetra-Furans	25.40	2.959e2	3.547e2	0.84	HO	0.14312	0.14312
19	Total Tetra-Furans	25.57	2.685e3	3.417e3	0.76	HO	1.3212	1.3212
20	2,3,7,8-TCDF	25.70	6.650e3	1.340e4	0.72	HO	5.6820	5.6820
21	Total Tetra-Furans	25.91	3.143e2	4.391e2	0.72	HO	0.16580	0.16580
22	Total Tetra-Furans	25.96	4.511e2	6.675e2	0.68	HO	0.24619	0.00000
23	Total Tetra-Furans	26.25	2.375e2	2.716e2	0.87	HO	0.11217	0.11217
24	Total Tetra-Furans	27.16	5.229e2	6.663e2	0.75	HO	0.26878	0.26878
25	Total Tetra-Furans	27.58	8.74Ee2	1.096e3	0.78	HO	0.42542	0.42542



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

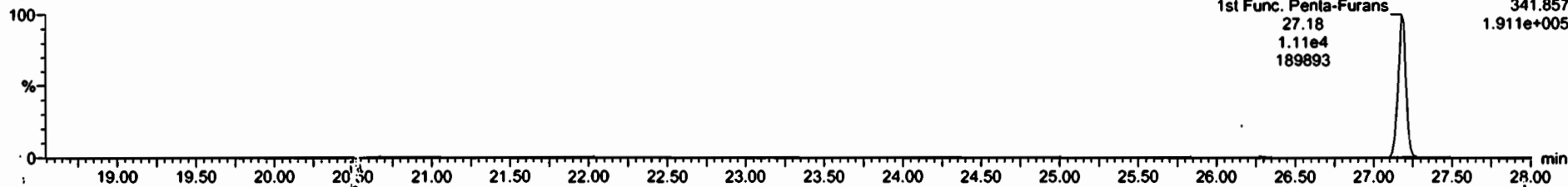
Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

1st Func. Penta-Furans

201213R2_12

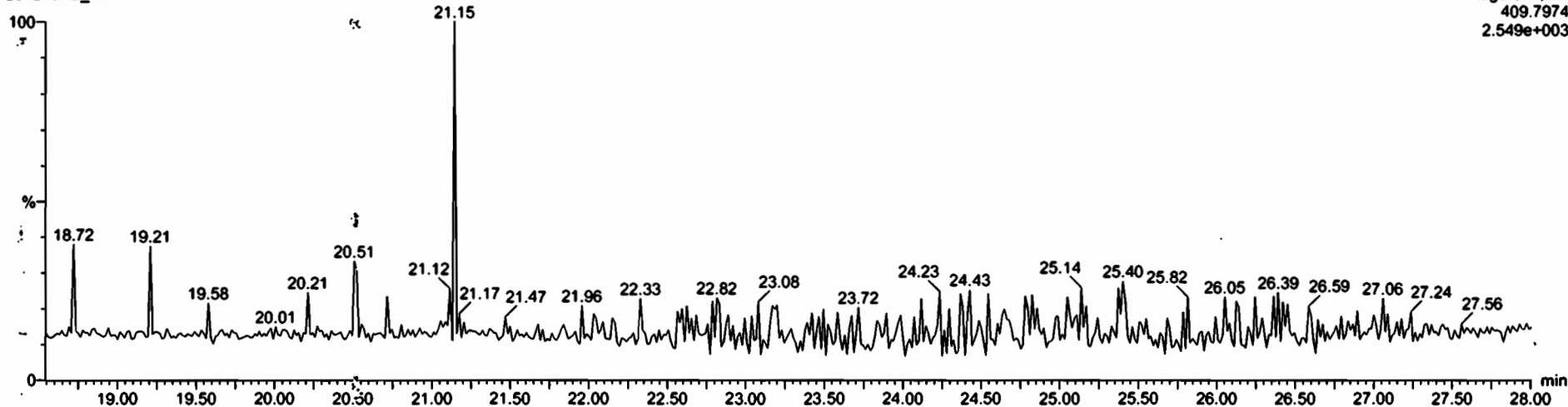


201213R2_12



DPE6

201213R2_12

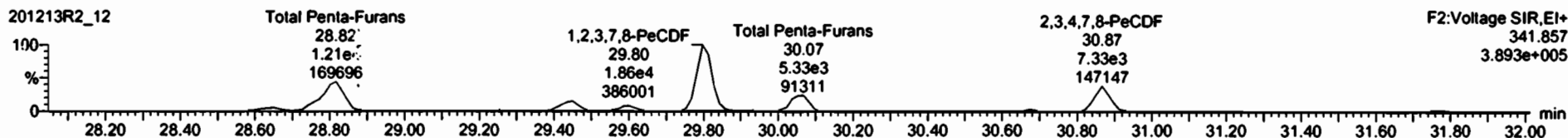
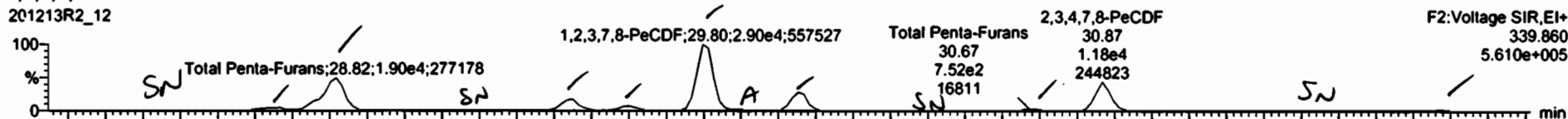


Dataset: Untitled

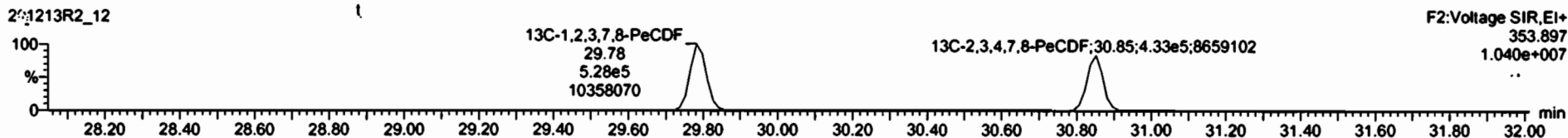
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

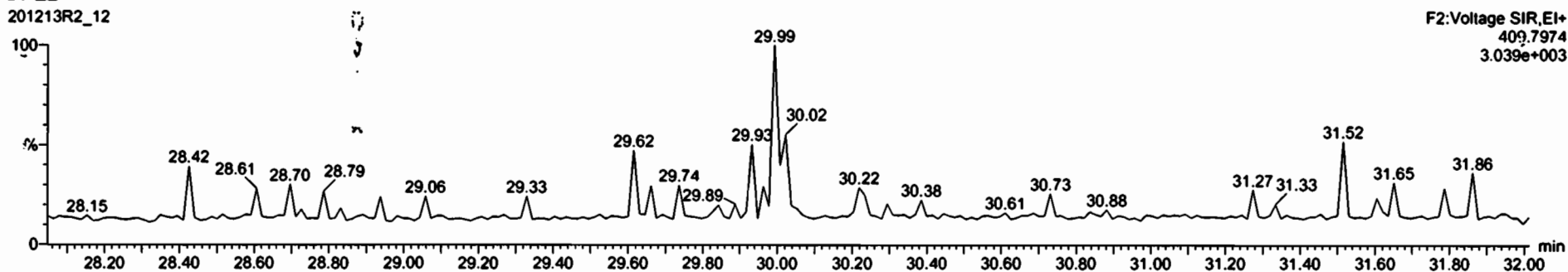
1,2,3,7,8-PeCDF



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

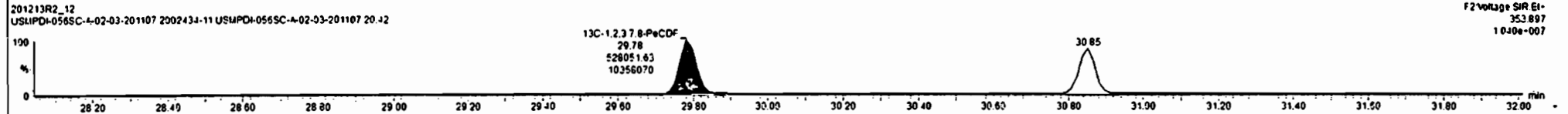
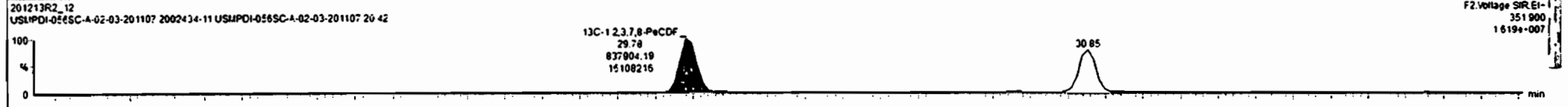
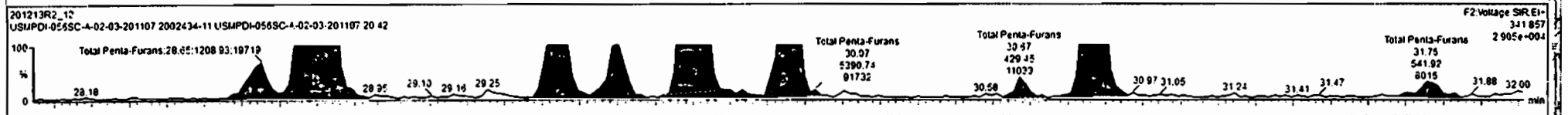
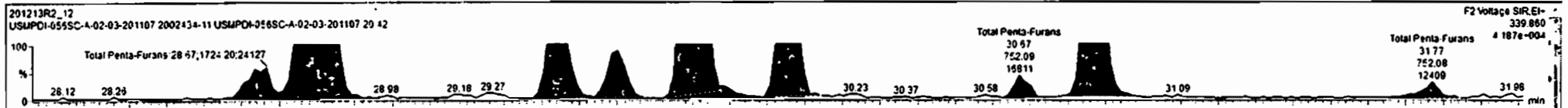


DPE2



Name	Resp	RA	nly	RRF	wV-val	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Penta-Furans			0.9597	18.027			21.1		0.0688	21.3

Name	RT1	m1 Resp	m2 Resp	RA	nly	EMPC	Conc
1	Total Penta-Furans	28.87	1.724e2	1.209e3	1.43	NO	0.49654
2	Total Penta-Furans	28.82	1.888e4	1.213e4	1.58	NO	5.2865
3	Total Penta-Furans	29.45	5.265e3	3.352e3	1.57	NO	1.4593
4	Total Penta-Furans	29.20	2.153e3	1.596e3	1.35	NO	0.63511
5	1,2,3,7,8-PeCDF	29.80	2.921e4	1.894e4	1.55	NO	7.2426
6	Total Penta-Furans	29.89	4.124e2	3.008e2	1.57	NO	0.12073
7	Total Penta-Furans	30.05	7.971e3	5.391e3	1.48	NO	2.2620
8	Total Penta-Furans	30.87	7.521e2	4.295e2	1.75	NO	0.02062
9	2,3,4,7,8-PeCDF	30.87	1.183e4	7.335e3	1.81	NO	3.2871
10	Total Penta-Furans	31.77	7.521e2	5.418e2	1.39	NO	0.21906



Dataset: Untitled

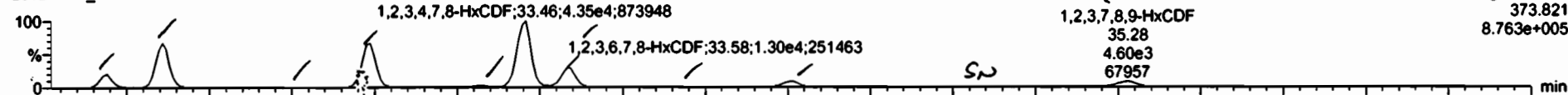
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

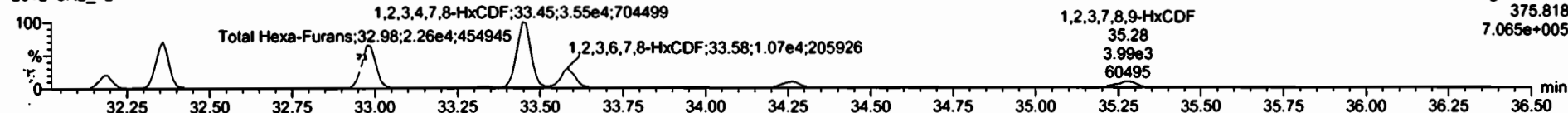
Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

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

201213R2_12

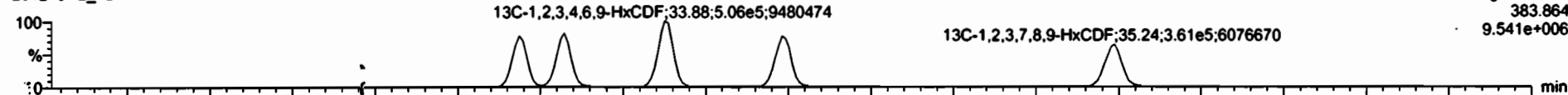


201213R2_12

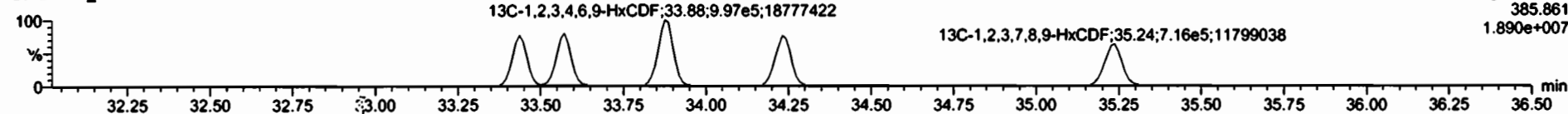


13C-1,2,3,4,7,8-HxCDF

201213R2_12

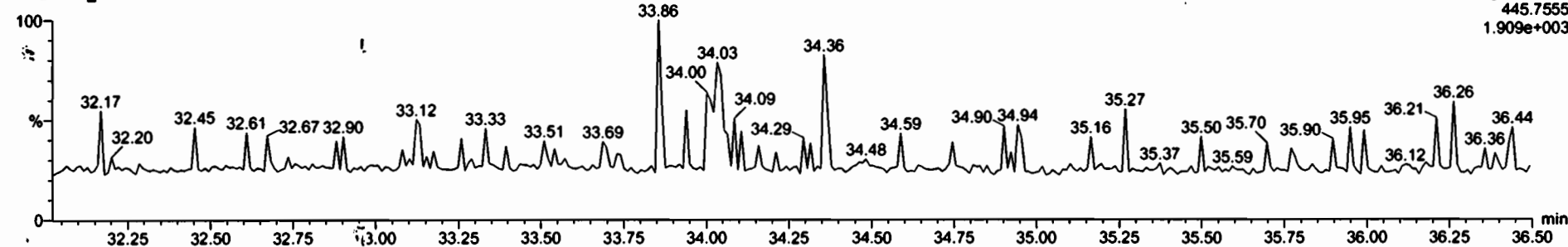


201213R2_12



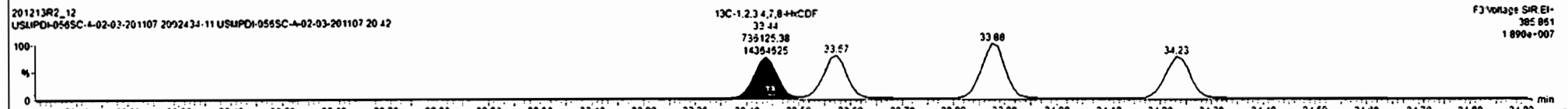
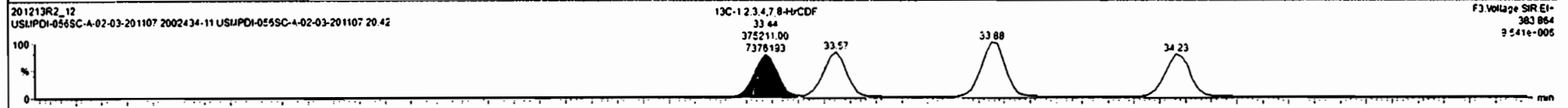
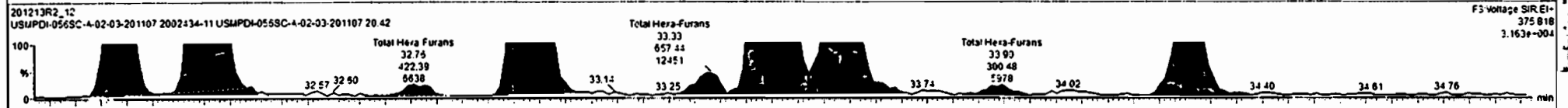
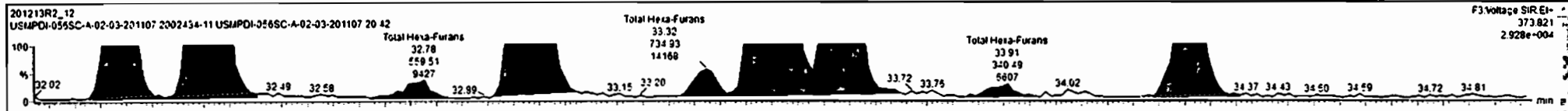
DPE3

201213R2_12



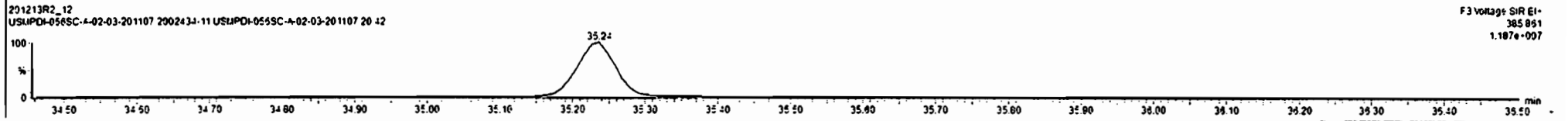
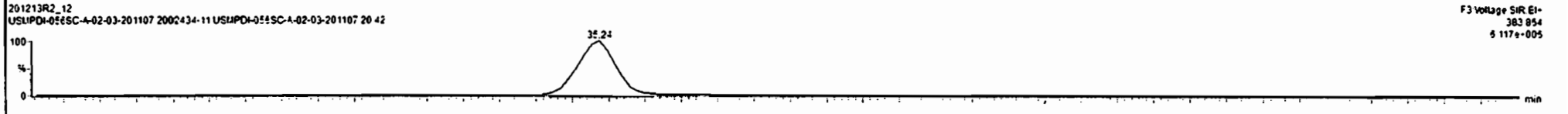
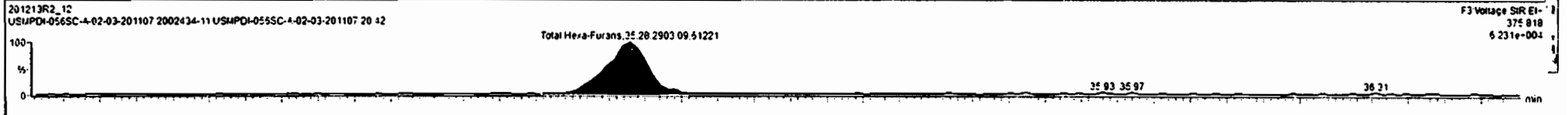
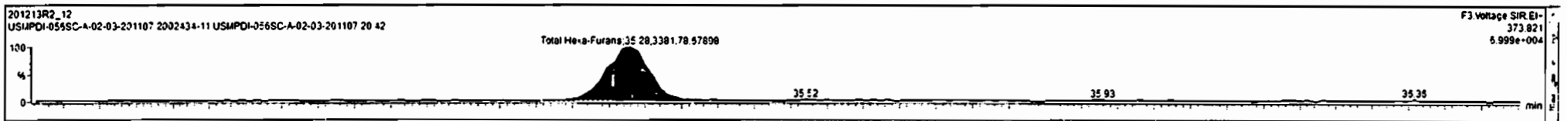
Name	Reso	RA	n/y	RPF	w/wal	RT	RRT	Conc	%Rec	DL	EMPC
45	Total Penta-Furans			0.9597	16.027			21.3		0.0688	21.3

Name	RT	mt Resp	nQ Resp	RA	n/y	EMPC	Conc
1	Total Hexa-Furans	32.19	7.870e3	5.709e3	1.17	110	2.5023
2	Total Hexa-Furans	32.38	2.750e4	2.262e4	1.20	110	0.6354
3	Total Hexa-Furans	32.78	5.595e2	4.224e2	1.32	110	0.18850
4	Total Hexa-Furans	32.99	2.778e4	2.257e4	1.23	110	8.8400
5	Total Hexa-Furans	33.32	7.349e2	6.574e2	1.12	110	0.23894
6	1,2,3,4,7,8-HxCDF	33.46	8.349e4	3.548e4	1.23	110	14.377
7	1,2,3,6,7,8-HxCDF	33.56	1.300e4	1.073e4	1.21	110	3.9254
8	Total Hexa-Furans	33.91	3.405e2	3.005e2	1.13	110	0.11000
9	2,3,4,6,7,8-HxCDF	34.26	4.419e3	3.840e3	1.15	110	1.3370
10	1,2,3,7,8,9-HxCDF	35.28	4.602e3	3.890e3	1.15	110	1.8054



Name	Resp	RA	n1	RF	wtVol	RT	SRT	Conc.	%Rec	DL	EMPC
Total Hexa-Furans				0.5587	10.027			21.3	0.0686	21.3	

Name	RT	m1 Resp	n1 Resp	RA	n1	EMPC	Conc
1 Total Hexa-Furans	32.19	7.876e3	6.706e3	1.17	110	2.5023	2.5023
2 Total Hexa-Furans	32.36	2.775e4	2.282e4	1.26	110	8.8354	8.8354
3 Total Hexa-Furans	32.78	5.505e2	4.224e2	1.32	110	0.16850	0.16850
4 Total Hexa-Furans	32.99	2.778e4	2.257e4	1.23	110	8.849C	8.849C
5 Total Hexa-Furans	33.32	7.343e2	6.574e2	1.12	110	0.23954	0.23954
6 1,2,3,4,7,8-HxCDF	33.46	4.343e4	3.548e4	1.23	110	14.377	14.377
7 1,2,3,6,7,8-HxCDF	33.58	1.200e4	1.072e4	1.21	110	3.9254	3.9254
8 Total Hexa-Furans	33.91	3.425e2	3.052e2	1.13	110	0.110C0	0.110C0
9 2,3,4,6,7,8-HxCDF	34.26	4.419e3	3.840e3	1.15	110	1.3370	1.3370
10 1,2,3,7,8,9-HxCDF	35.28	1.253e3	1.173e3	1.08	110	0.45805	0.45805
11 Total Hexa-Furans	35.28	3.382e3	2.903e3	1.16	110	1.0785	1.0785

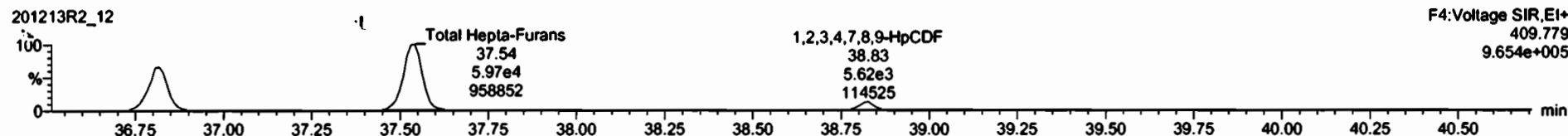
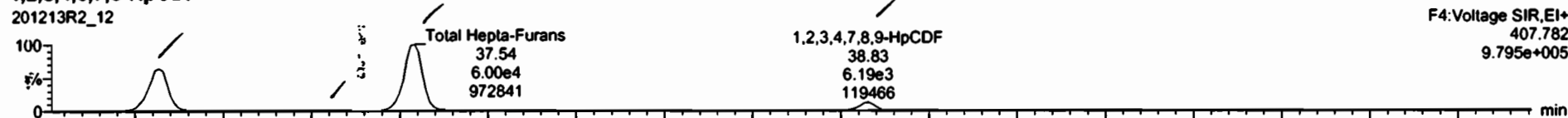


Dataset: Untitled

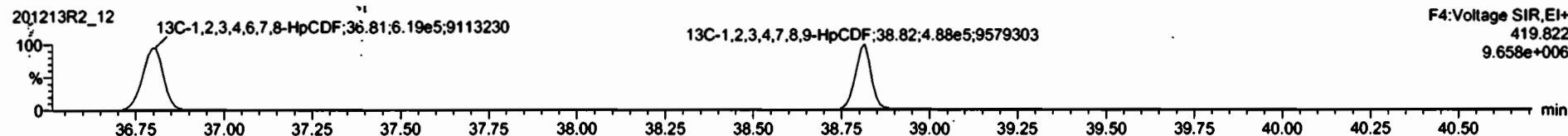
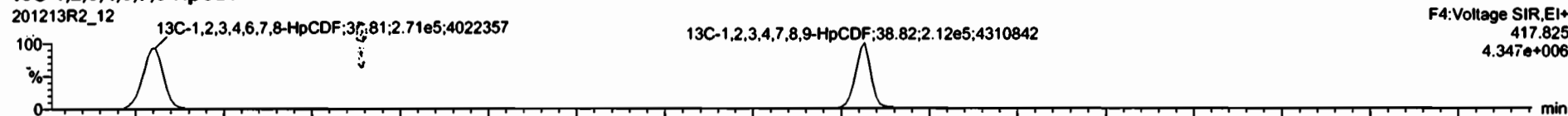
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

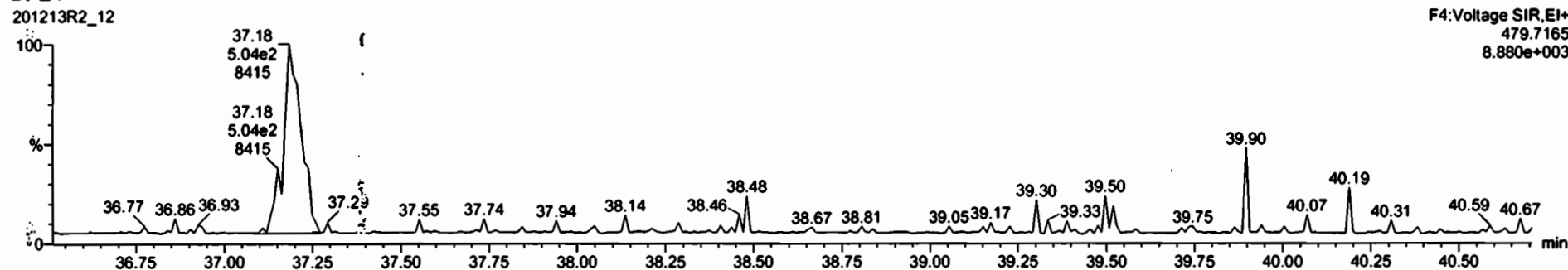
1,2,3,4,6,7,8-HpCDF

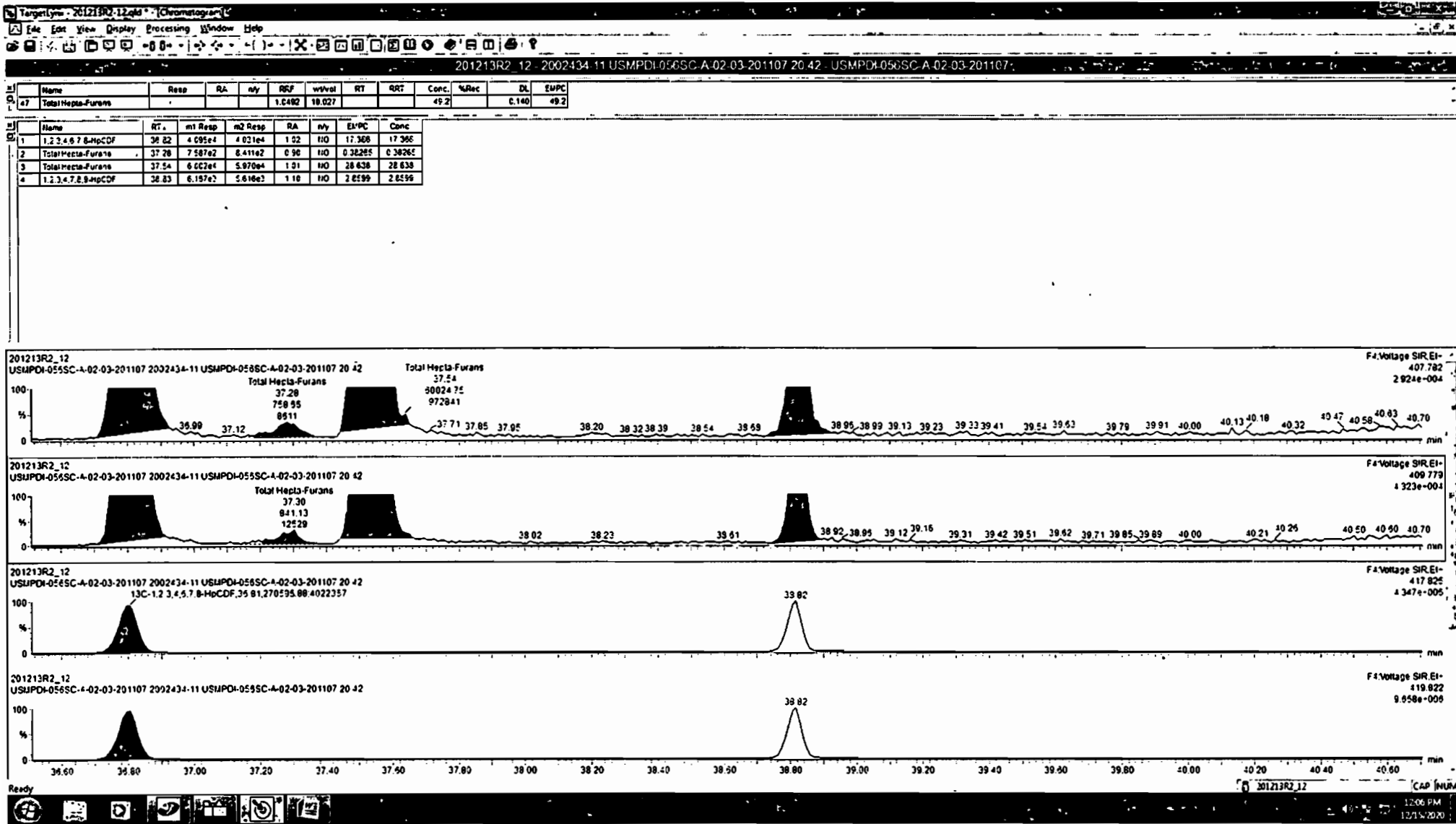


13C-1,2,3,4,6,7,8-HpCDF



DPE4



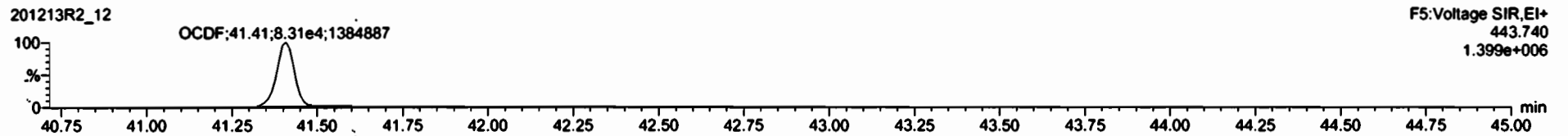
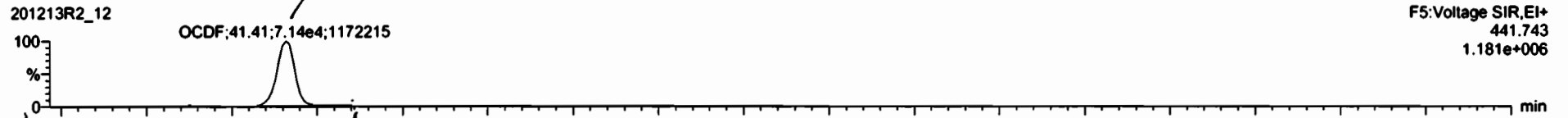


Dataset: Untitled

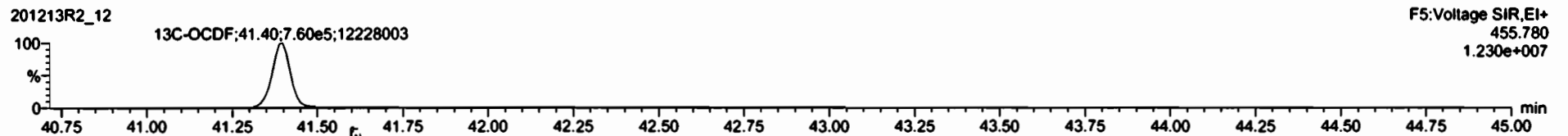
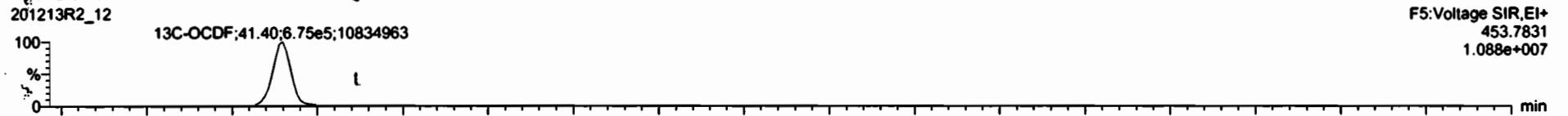
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107

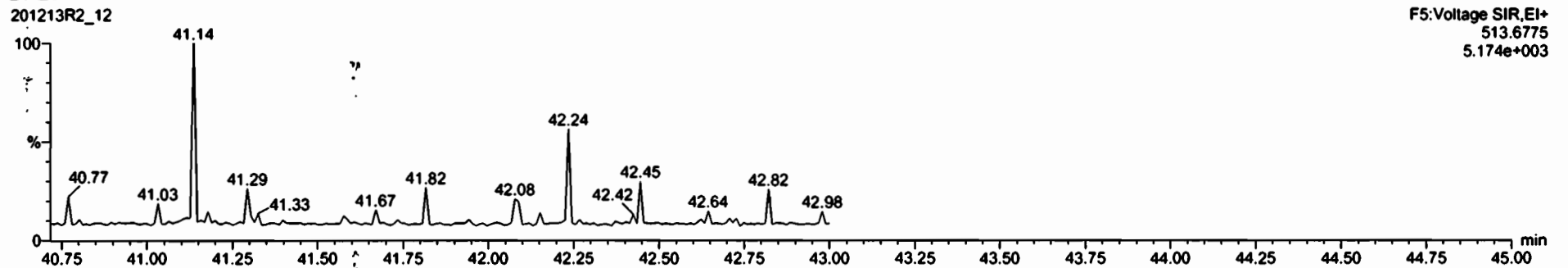
OCDF



¹³C-OCDF



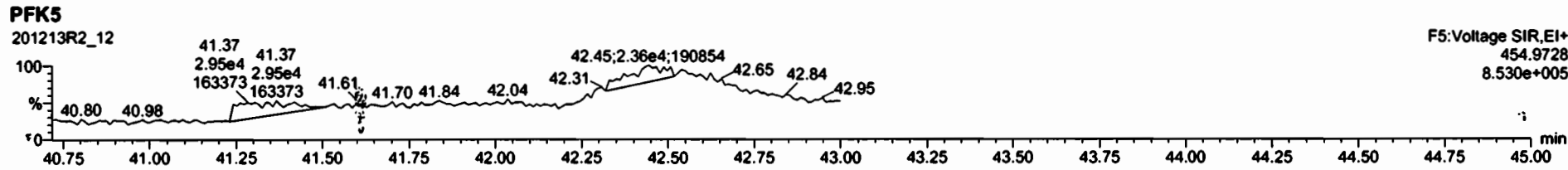
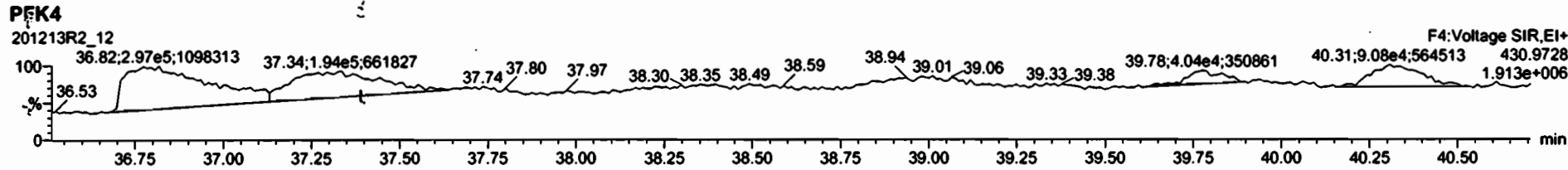
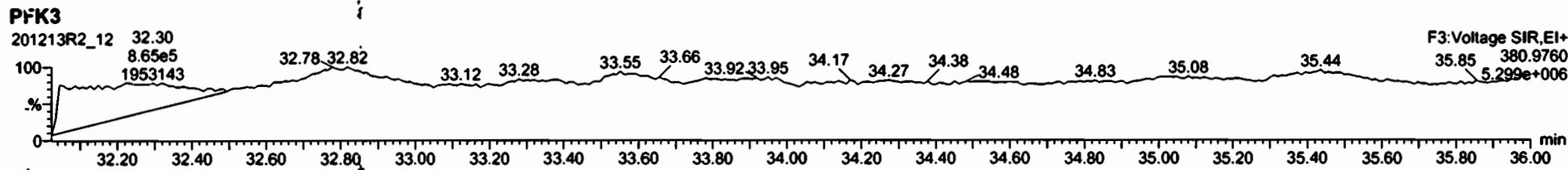
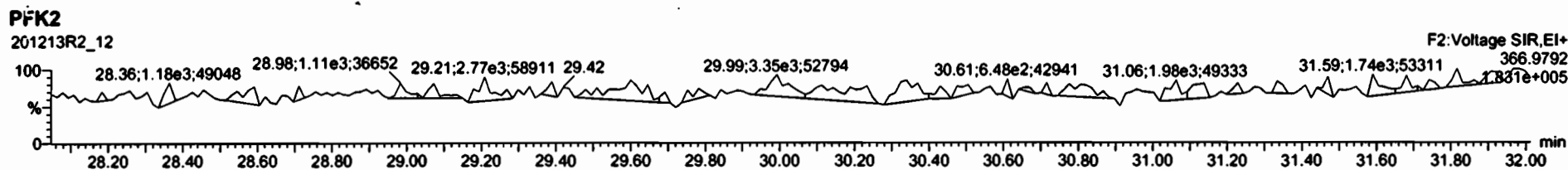
DPE5



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_12, Date: 13-Dec-2020, Time: 18:24:12, ID: 2002434-11 USMPDI-056SC-A-02-03-201107 20.42, Description: USMPDI-056SC-A-02-03-201107



Dataset: U:\VG12.PRO\Results\201213R2\201213R2-13.qld

Last Altered: Tuesday, December 15, 2020 12:20:40 PM Pacific Standard Time

Printed: Tuesday, December 15, 2020 12:21:20 PM Pacific Standard Time

GPB 12/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\1613vlg12-12-03-20.cdb 04 Dec 2020 11:36:07

*Call
12/15/20*

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.45e3	0.23	YES	0.980	10.126	26.381	26.38	1.001	1.001	0.15900		0.0208	0.0687
2	1,2,3,7,8-PeCDD	1.09e3	0.66	NO	0.932	10.126	31.064	31.05	1.001	1.000	0.17223		0.0311	0.172
3	1,2,3,4,7,8-HxCDD	7.97e2	1.10	NO	1.02	10.126	34.358	34.35	1.001	1.000	0.15007		0.0840	0.150
4	1,2,3,6,7,8-HxCDD	6.56e3	1.22	NO	0.902	10.126	34.473	34.47	1.001	1.001	1.2424		0.0922	1.24
5	1,2,3,7,8,9-HxCDD	2.45e3	1.30	NO	0.954	10.126	34.734	34.75	1.000	1.001	0.44940		0.0874	0.449
6	1,2,3,4,6,7,8-HpCDD	6.48e4	1.02	NO	0.918	10.126	38.201	38.21	1.000	1.001	15.598		0.237	15.6
7	OCDD	4.50e5	0.85	NO	0.866	10.126	41.113	41.12	1.000	1.000	168.14		0.245	168
8	2,3,7,8-TCDF	1.23e4	0.73	NO	0.848	10.126	25.672	25.68	1.000	1.001	1.1035		0.0246	1.10
9	1,2,3,7,8-PeCDF	3.20e4	1.58	NO	0.960	10.126	29.785	29.80	1.000	1.000	3.2473		0.0305	3.25
10	2,3,4,7,8-PeCDF	1.63e4	1.56	NO	1.07	10.126	30.874	30.87	1.001	1.000	1.5649		0.0302	1.56
11	1,2,3,4,7,8-HxCDF	2.96e4	1.22	NO	0.986	10.126	33.447	33.45	1.000	1.000	4.4023		0.0403	4.40
12	1,2,3,6,7,8-HxCDF	7.17e3	1.26	NO	1.04	10.126	33.582	33.57	1.001	1.000	1.0252		0.0385	1.03
13	2,3,4,6,7,8-HxCDF	2.66e3	1.10	NO	1.02	10.126	34.243	34.26	1.001	1.001	0.40195		0.0428	0.402
14	1,2,3,7,8,9-HxCDF	1.21e3	1.14	NO	0.991	10.126	35.238	35.25	1.000	1.001	0.19163		0.0501	0.192
15	1,2,3,4,6,7,8-HpCDF	1.21e4	0.94	NO	1.05	10.126	36.814	36.81	1.000	1.000	2.5727		0.0528	2.57
16	1,2,3,4,7,8,9-HpCDF	1.98e3	1.01	NO	1.18	10.126	38.818	38.82	1.000	1.000	0.45534		0.0458	0.455
17	OCDF	1.47e4	0.89	NO	0.896	10.126	41.396	41.40	1.000	1.000	4.6726		0.0936	4.67
18	13C-2,3,7,8-TCDD	1.85e6	0.79	NO	1.06	10.126	26.353	26.35	1.030	1.030	198.98	101	0.0661	
19	13C-1,2,3,7,8-PeCDD	1.34e6	0.64	NO	0.785	10.126	31.192	31.03	1.219	1.213	193.79	98.1	0.119	
20	13C-1,2,3,4,7,8-HxCDD	1.03e6	1.28	NO	0.621	10.126	34.337	34.34	1.014	1.014	209.66	106	0.270	
21	13C-1,2,3,6,7,8-HxCDD	1.16e6	1.27	NO	0.734	10.126	34.459	34.45	1.017	1.017	199.25	101	0.228	
22	13C-1,2,3,7,8,9-HxCDD	1.13e6	1.26	NO	0.723	10.126	34.743	34.72	1.026	1.025	197.61	100	0.232	
23	13C-1,2,3,4,6,7,8-HpCDD	8.94e5	1.05	NO	0.568	10.126	38.243	38.19	1.129	1.127	199.35	101	0.512	
24	13C-OCDD	1.22e6	0.91	NO	0.496	10.126	41.180	41.10	1.216	1.213	311.86	78.9	0.490	
25	13C-2,3,7,8-TCDF	2.59e6	0.77	NO	0.919	10.126	25.652	25.67	1.003	1.003	200.29	101	0.0911	
26	13C-1,2,3,7,8-PeCDF	2.03e6	1.57	NO	0.715	10.126	29.903	29.78	1.169	1.164	201.71	102	0.230	
27	13C-2,3,4,7,8-PeCDF	1.93e6	1.58	NO	0.689	10.126	30.990	30.85	1.212	1.206	199.37	101	0.238	
28	13C-1,2,3,4,7,8-HxCDF	1.35e6	0.51	NO	0.873	10.126	33.442	33.44	0.987	0.987	195.24	98.8	0.256	
29	13C-1,2,3,6,7,8-HxCDF	1.33e6	0.51	NO	0.933	10.126	33.571	33.56	0.991	0.991	180.36	91.3	0.239	
30	13C-2,3,4,6,7,8-HxCDF	1.28e6	0.51	NO	0.843	10.126	34.238	34.22	1.011	1.010	192.16	97.3	0.265	
31	13C-1,2,3,7,8,9-HxCDF	1.26e6	0.51	NO	0.780	10.126	35.238	35.23	1.040	1.040	203.79	103	0.286	

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-13.qld

Last Altered: Tuesday, December 15, 2020 12:20:40 PM Pacific Standard Time

Printed: Tuesday, December 15, 2020 12:21:20 PM Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	8.85e5	0.43	NO	0.726	10.126	36.813	36.80	1.087	1.086	154.09	78.0	0.389	
33	13C-1,2,3,4,7,8,9-HpCDF	7.31e5	0.43	NO	0.491	10.126	38.822	38.81	1.146	1.146	188.31	95.3	0.575	
34	13C-OCDF	1.38e6	0.88	NO	0.565	10.126	41.396	41.39	1.222	1.222	309.44	78.3	0.331	
35	37Cl-2,3,7,8-TCDD	9.61e5			1.22	10.126	26.347	26.38	1.030	1.031	89.908	114	0.0279	
36	13C-1,2,3,4-TCDD	1.74e6	0.79	NO	1.00	10.126	25.640	25.58	1.000	1.000	197.51	100	0.0698	
37	13C-1,2,3,4-TCDF	2.78e6	0.79	NO	1.00	10.126	24.130	24.09	1.000	1.000	197.51	100	0.0837	
38	13C-1,2,3,4,6,9-HxCDF	1.56e6	0.51	NO	1.00	10.126	33.920	33.88	1.000	1.000	197.51	100	0.223	
39	Total Tetra-Dioxins				0.980	10.126	24.620		0.000		0.42670		0.0208	0.495
40	Total Penta-Dioxins				0.932	10.126	29.960		0.000		0.70255		0.0311	1.29
41	Total Hexa-Dioxins				0.902	10.126	33.635		0.000		8.5441		0.0931	8.54
42	Total Hepta-Dioxins				0.918	10.126	37.640		0.000		31.994		0.237	32.0
43	Total Tetra-Furans				0.848	10.126	23.610		0.000		3.9298		0.0246	3.93
44	1st Func. Penta-Furans				0.960	10.126	26.930		0.000		1.4339		0.00829	1.43
45	Total Penta-Furans				0.960	10.126	29.275		0.000		8.4650		0.0320	8.47
46	Total Hexa-Furans				1.02	10.126	33.555		0.000		10.239		0.0423	10.2
47	Total Hepta-Furans				1.05	10.126	37.835		0.000		6.8606		0.0521	6.86

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-13.qld

Last Altered: Tuesday, December 15, 2020 12:20:40 PM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 12:21:20 PM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
 Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	22.58	8.263e3	9.002e3	6.528e2	8.031e2	0.81	NO	1.456e3	0.15891	0.15891	0.0208
2	Total Tetra-Dioxins	22.92	3.565e3	3.968e3	2.331e2	3.408e2	0.68	NO	5.739e2	0.062643	0.062643	0.0208
3	Total Tetra-Dioxins	23.44	2.059e3	2.210e3	1.410e2	1.674e2	0.84	NO	3.084e2	0.033663	0.033663	0.0208
4	Total Tetra-Dioxins	24.75	3.433e3	4.525e3	2.352e2	2.753e2	0.85	NO	5.106e2	0.055728	0.055728	0.0208
5	Total Tetra-Dioxins	26.08	6.784e3	9.114e3	4.696e2	5.909e2	0.79	NO	1.061e3	0.11576	0.11576	0.0208
6	2,3,7,8-TCDD	26.38	3.690e3	2.021e4	2.738e2	1.174e3	0.23	YES	1.447e3	0.00000	0.068697	0.0208

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	28.80	1.149e4	1.854e4	8.854e2	1.347e3	0.66	NO	2.232e3	0.35403	0.35403	0.0311
2	Total Penta-Dioxins	29.27	4.903e3	4.491e3	1.908e2	2.639e2	0.72	NO	0.000e0	0.00000	0.072122	0.0311
3	Total Penta-Dioxins	29.78	1.580e4	1.482e4	9.729e2	8.755e2	1.11	YES	0.000e0	0.00000	0.22634	0.0311
4	Total Penta-Dioxins	29.98	9.078e3	1.623e4	4.211e2	6.911e2	0.61	NO	0.000e0	0.00000	0.17639	0.0311
5	Total Penta-Dioxins	30.01	5.233e3	8.004e3	2.013e2	2.904e2	0.69	NO	0.000e0	0.00000	0.077985	0.0311
6	Total Penta-Dioxins	30.26	9.144e3	1.071e4	4.489e2	6.626e2	0.68	NO	1.111e3	0.17629	0.17629	0.0311
7	1,2,3,7,8-PeCDD	31.05	9.094e3	1.575e4	4.336e2	6.522e2	0.66	NO	1.086e3	0.17223	0.17223	0.0311
8	Total Penta-Dioxins	31.41	2.666e3	2.687e3	1.092e2	1.362e2	0.80	YES	0.000e0	0.00000	0.035216	0.0311

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-13.qld

Last Altered: Tuesday, December 15, 2020 12:20:40 PM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 12:21:20 PM Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hexa-Dioxins	32.71	1.100e5	8.989e4	5.394e3	4.263e3	1.27	NO	9.656e3	1.9140	1.9140	0.0931
2 Total Hexa-Dioxins	33.31	1.324e4	9.948e3	6.297e2	5.210e2	1.21	NO	1.151e3	0.22807	0.22807	0.0931
3 Total Hexa-Dioxins	33.60	1.735e5	1.330e5	1.229e4	9.526e3	1.29	NO	2.181e4	4.3237	4.3237	0.0931
4 Total Hexa-Dioxins	33.67	1.025e4	6.061e3	4.549e2	3.346e2	1.36	NO	7.895e2	0.15648	0.15648	0.0931
5 1,2,3,4,7,8-HxCDD	34.35	6.489e3	7.220e3	4.177e2	3.794e2	1.10	NO	7.971e2	0.15007	0.15007	0.0840
6 1,2,3,6,7,8-HxCDD	34.47	5.741e4	4.728e4	3.602e3	2.959e3	1.22	NO	6.561e3	1.2424	1.2424	0.0922
7 Total Hexa-Dioxins	34.62	3.336e3	4.827e3	2.216e2	1.816e2	1.22	NO	4.032e2	0.079918	0.079918	0.0931
8 1,2,3,7,8,9-HxCDD	34.75	2.058e4	1.914e4	1.385e3	1.065e3	1.30	NO	2.450e3	0.44940	0.44940	0.0874

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1 Total Hepta-Dioxins	37.19	4.645e5	4.308e5	3.431e4	3.385e4	1.01	NO	6.816e4	16.396	16.396	0.237
2 1,2,3,4,6,7,8-HpCDD	38.21	5.647e5	5.571e5	3.268e4	3.216e4	1.02	NO	6.484e4	15.598	15.598	0.237

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	2.859e3	4.216e3	2.068e2	2.986e2	0.69	NO	5.054e2	0.045462	0.045462	0.0246
2 Total Tetra-Furans	20.86	3.706e3	4.825e3	3.308e2	4.838e2	0.68	NO	8.145e2	0.073270	0.073270	0.0246
3 Total Tetra-Furans	21.68	1.533e4	2.435e4	1.464e3	2.210e3	0.66	NO	3.674e3	0.33050	0.33050	0.0246
4 Total Tetra-Furans	22.61	2.465e4	2.676e4	1.930e3	2.545e3	0.76	NO	4.475e3	0.40252	0.40252	0.0246
5 Total Tetra-Furans	23.07	1.124e4	1.583e4	9.957e2	1.353e3	0.74	NO	2.349e3	0.21126	0.21126	0.0246
6 Total Tetra-Furans	23.22	5.447e3	7.715e3	2.876e2	3.783e2	0.76	NO	6.659e2	0.059899	0.059899	0.0246
7 Total Tetra-Furans	23.42	7.705e3	6.861e3	5.029e2	6.173e2	0.81	NO	1.120e3	0.10077	0.10077	0.0246
8 Total Tetra-Furans	24.16	1.160e4	1.537e4	1.335e3	1.869e3	0.71	NO	3.203e3	0.28815	0.28815	0.0246
9 Total Tetra-Furans	24.66	6.523e4	8.796e4	4.645e3	6.685e3	0.69	NO	1.133e4	1.0192	1.0192	0.0246
10 Total Tetra-Furans	25.55	1.158e4	1.581e4	7.682e2	1.099e3	0.70	NO	1.867e3	0.16794	0.16794	0.0246
11 2,3,7,8-TCDF	25.68	8.063e4	1.058e5	5.189e3	7.079e3	0.73	NO	1.227e4	1.1035	1.1035	0.0246
12 Total Tetra-Furans	27.19	3.802e3	5.631e3	2.537e2	3.163e2	0.80	NO	5.701e2	0.051279	0.051279	0.0246
13 Total Tetra-Furans	27.58	6.852e3	1.047e4	3.702e2	4.753e2	0.78	NO	8.455e2	0.076055	0.076055	0.0246

Dataset: U:\WG12.PRO\Results\201213R2\201213R2-13.qld

Last Altered: Tuesday, December 15, 2020 12:20:40 PM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 12:21:20 PM Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1st Func. Penta-Furans	27.18	1.372e5	9.673e4	8.494e3	5.301e3	1.60	NO	1.380e4	1.4339	1.4339	0.00829

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Penta-Furans	28.65	1.091e4	5.604e3	6.567e2	3.890e2	1.69	NO	1.046e3	0.10870	0.10870	0.0320
Total Penta-Furans	28.80	1.608e5	1.078e5	1.053e4	6.750e3	1.56	NO	1.728e4	1.7962	1.7962	0.0320
Total Penta-Furans	29.43	2.439e4	1.676e4	1.410e3	9.628e2	1.46	NO	2.373e3	0.24664	0.24664	0.0320
Total Penta-Furans	29.59	3.046e4	2.282e4	1.694e3	1.185e3	1.43	NO	2.879e3	0.29924	0.29924	0.0320
1,2,3,7,8-PeCDF	29.80	3.753e5	2.312e5	1.962e4	1.239e4	1.58	NO	3.202e4	3.2473	3.2473	0.0305
Total Penta-Furans	30.05	1.365e5	9.061e4	6.604e3	4.286e3	1.54	NO	1.089e4	1.1319	1.1319	0.0320
2,3,4,7,8-PeCDF	30.87	1.834e5	1.207e5	9.956e3	6.371e3	1.56	NO	1.633e4	1.5649	1.5649	0.0302
Total Penta-Furans	31.77	9.053e3	7.845e3	4.029e2	2.713e2	1.49	NO	6.741e2	0.070074	0.070074	0.0320

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Furans	32.18	3.519e4	2.997e4	1.870e3	1.416e3	1.32	NO	3.286e3	0.48809	0.48809	0.0423
Total Hexa-Furans	32.36	1.282e5	1.001e5	5.918e3	4.688e3	1.26	NO	1.061e4	1.5752	1.5752	0.0423
Total Hexa-Furans	32.98	1.297e5	1.020e5	6.278e3	5.192e3	1.21	NO	1.147e4	1.7035	1.7035	0.0423
Total Hexa-Furans	33.30	4.345e3	3.958e3	2.187e2	1.681e2	1.30	NO	3.868e2	0.057454	0.057454	0.0423
1,2,3,4,7,8-HxCDF	33.45	3.056e5	2.452e5	1.625e4	1.337e4	1.22	NO	2.961e4	4.4023	4.4023	0.0403
1,2,3,6,7,8-HxCDF	33.57	6.900e4	5.453e4	4.004e3	3.170e3	1.26	NO	7.174e3	1.0252	1.0252	0.0385
2,3,4,6,7,8-HxCDF	34.26	2.214e4	1.923e4	1.393e3	1.265e3	1.10	NO	2.658e3	0.40195	0.40195	0.0428
1,2,3,7,8,9-HxCDF	35.25	2.430e4	1.970e4	6.435e2	5.641e2	1.14	NO	1.208e3	0.19163	0.19163	0.0501
Total Hexa-Furans	35.27	2.986e4	2.514e4	1.460e3	1.189e3	1.23	NO	2.649e3	0.39346	0.39346	0.0423

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-13.qld

Last Altered: Tuesday, December 15, 2020 12:20:40 PM Pacific Standard Time

Printed: Tuesday, December 15, 2020 12:21:20 PM Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDF	36.81	8.613e4	8.717e4	5.861e3	6.228e3	0.94	NO	1.209e4	2.5727	2.5727	0.0528
Total Hepta-Furans	37.53	1.142e5	1.170e5	8.188e3	8.257e3	0.99	NO	1.644e4	3.8325	3.8325	0.0521
1,2,3,4,7,8,9-HpCDF	38.82	1.845e4	1.639e4	9.947e2	9.866e2	1.01	NO	1.981e3	0.45534	0.45534	0.0458

Dataset: Untitled

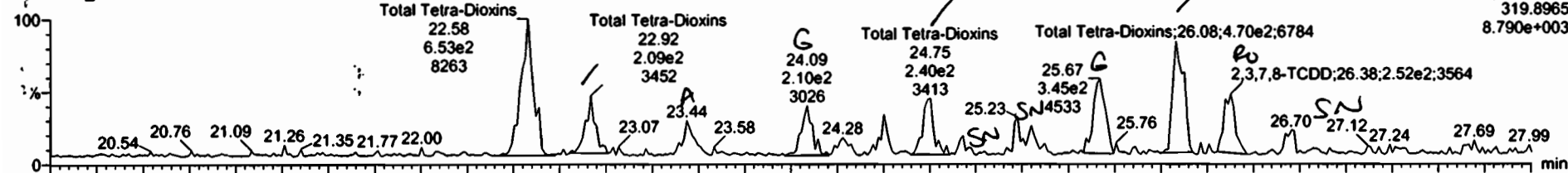
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time

Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

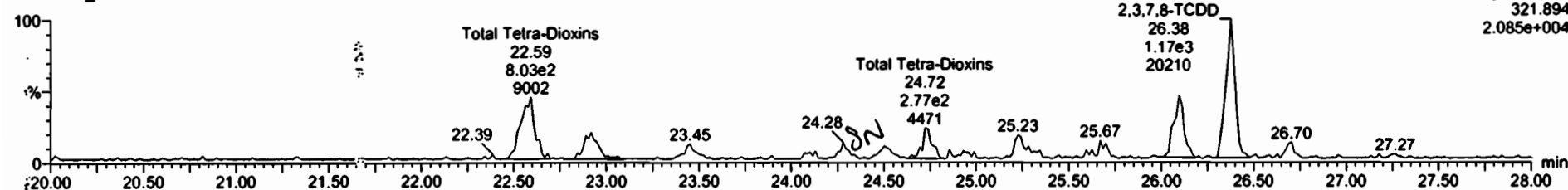
2,3,7,8-TCDD

201213R2_13



F1: Voltage SIR, EI+
319.8965
8.790e+003

201213R2_13



F1: Voltage SIR, EI+
321.894
2.085e+004

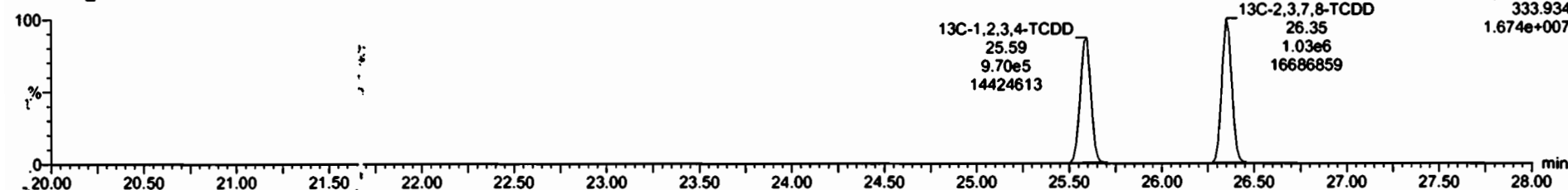
13C-2,3,7,8-TCDD

201213R2_13



F1: Voltage SIR, EI+
331.9368
1.338e+007

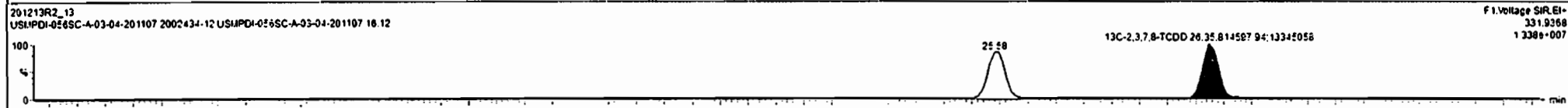
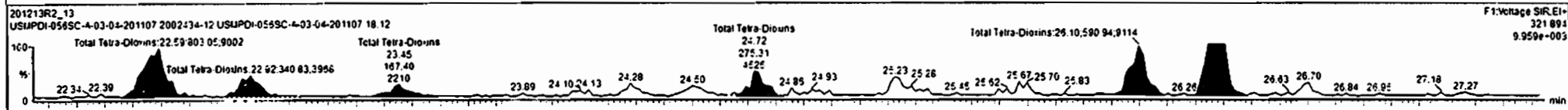
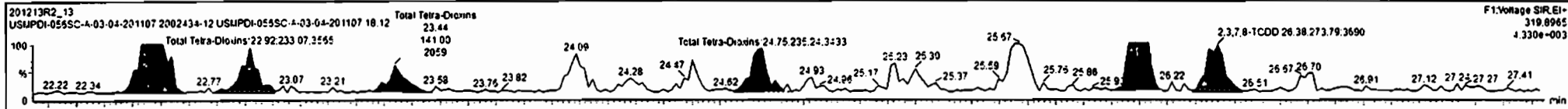
201213R2_13



F1: Voltage SIR, EI+
333.934
1.674e+007

Name	Reas	RA	n/y	RF	wt/wt	RT	QRT	Conc	%Rec	DL	EVPC
Total Tetra-Dioxins				0.6005	18.128			0.427		0.0298	0.495

Name	RT	m1 Resp	m2 Resp	RA	n/y	EVPC	Conc
1 Total Tetra-Dioxins	22.58	6.529e2	8.021e2	0.81	N/D	0.15951	0.15891
2 Total Tetra-Dioxins	22.92	2.331e2	3.408e2	0.68	N/D	0.022643	0.062647
3 Total Tetra-Dioxins	23.44	1.410e2	1.674e2	0.84	N/D	0.033663	0.033663
4 Total Tetra-Dioxins	24.75	2.752e2	2.753e2	0.85	N/D	0.051728	0.051728
5 Total Tetra-Dioxins	26.38	4.695e2	5.909e2	0.79	N/D	0.11576	0.11576
6 2,3,7,8-TCDD	26.38	2.738e2	1.174e3	0.23	YES	0.068597	0.00300



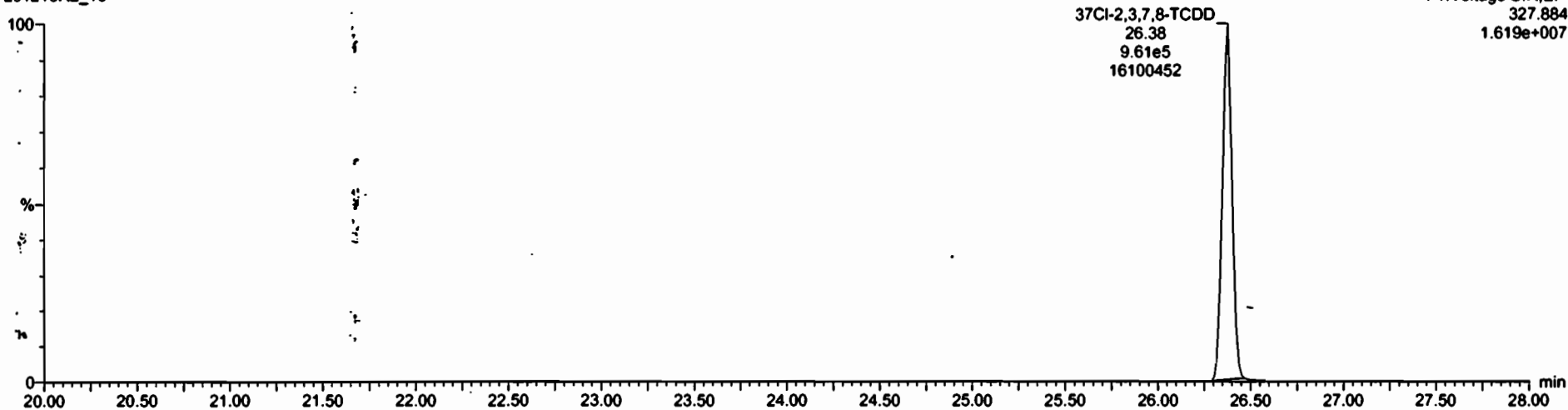
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

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

201213R2_13

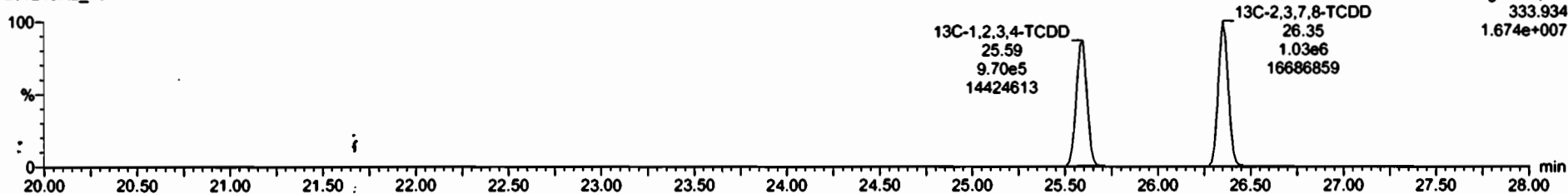


13C-1,2,3,4-TCDD

201213R2_13



201213R2_13



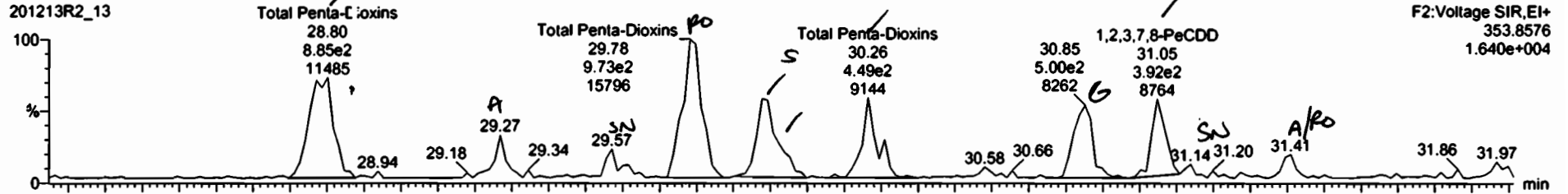
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

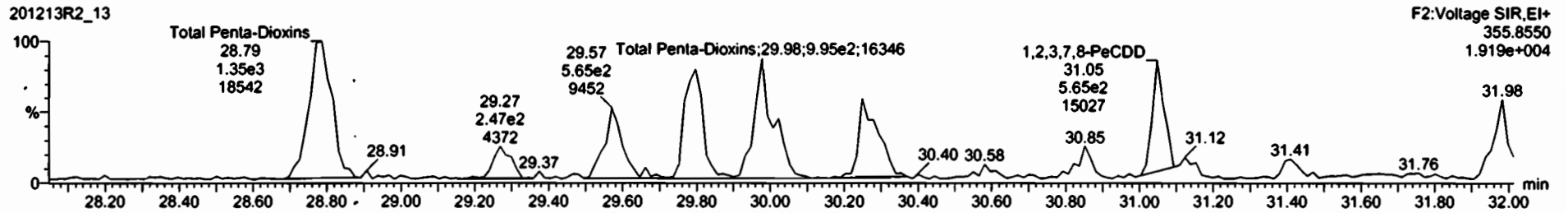
Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

1,2,3,7,8-PeCDD

201213R2_13



201213R2_13

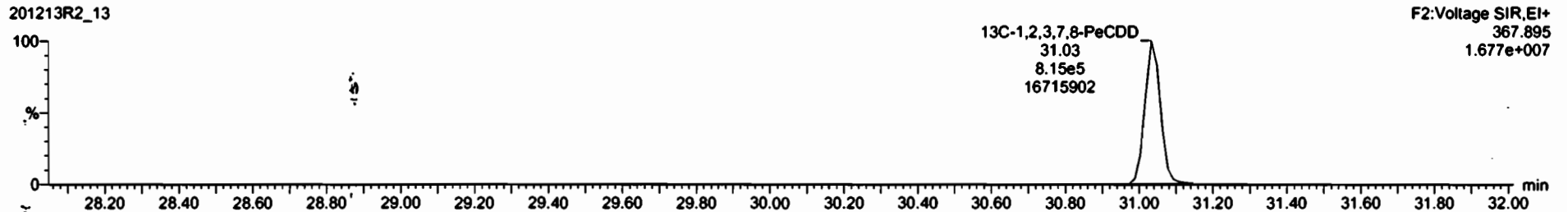


13C-1,2,3,7,8-PeCDD

201213R2_13

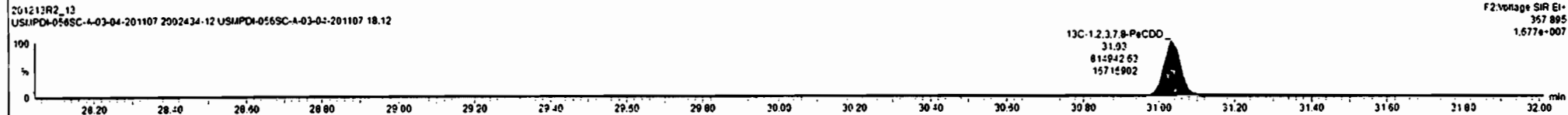
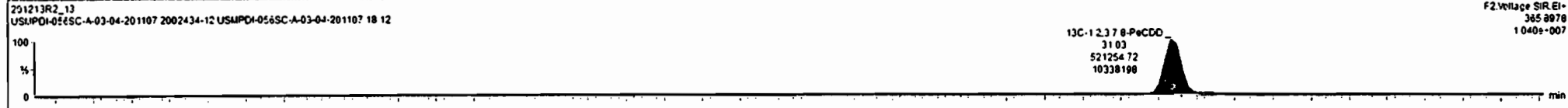
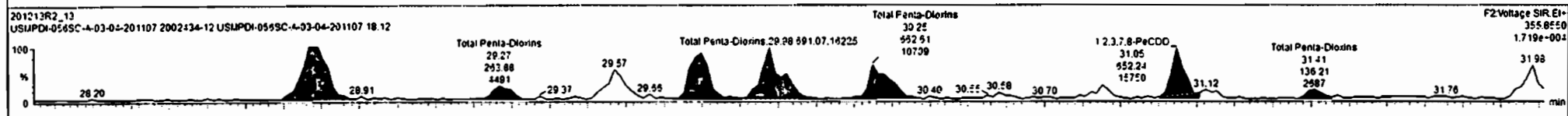
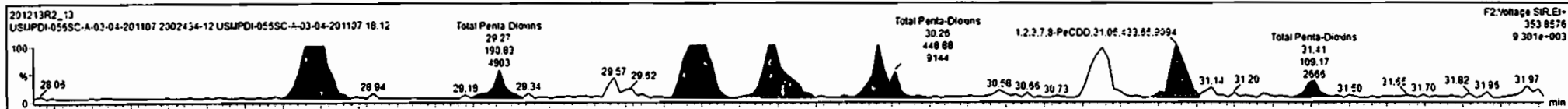


201213R2_13



Name	Resp	RA	ny	RRF	wtval	RT	RRT	Conc.	%Rec	DL	EMPC
33	Total Tetra-Dioxins			0.5805	16.126			0.427		0.0236	0.455

Name	RT	m1 Resp	m2 Resp	RA	ny	EMPC	Conc.	
1	Total Penta-Dioxins	28.80	8.854e2	1.347e3	0.96	NO	2.35453	0.35402
2	Total Penta-Dioxins	29.27	1.908e2	2.639e2	0.72	NO	0.072122	0.00000
3	Total Penta-Dioxins	29.78	9.725e2	8.755e2	1.11	YES	0.22624	0.00000
4	Total Penta-Dioxins	29.98	4.211e2	6.911e2	0.61	NO	0.17629	0.00000
5	Total Penta-Dioxins	30.01	2.012e2	2.904e2	0.69	NO	0.077965	0.00000
6	Total Penta-Dioxins	30.26	4.485e2	6.626e2	0.58	NO	0.17629	0.17629
7	1,2,3,7,8-PeCDD	31.05	4.336e2	6.522e2	0.66	NO	0.17223	0.17223
8	Total Penta-Dioxins	31.41	1.052e2	1.362e2	0.20	YES	0.025216	0.00000



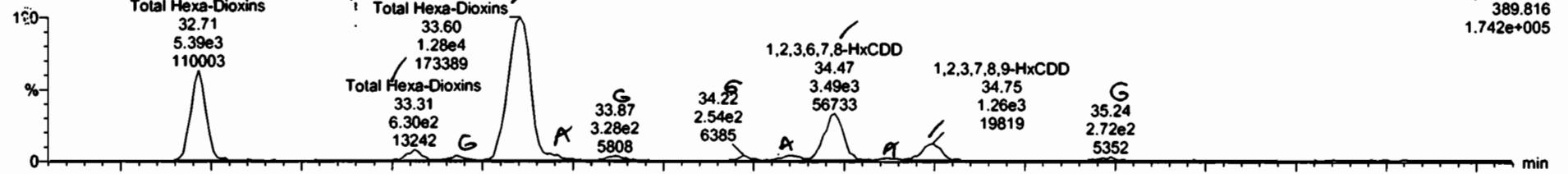
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

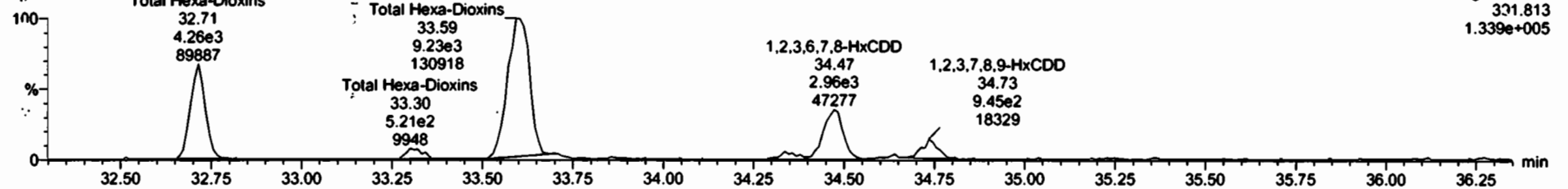
Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

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

201213R2_13

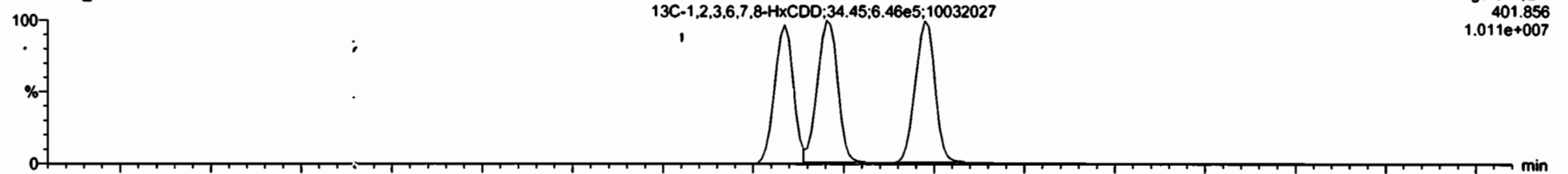


201213R2_13

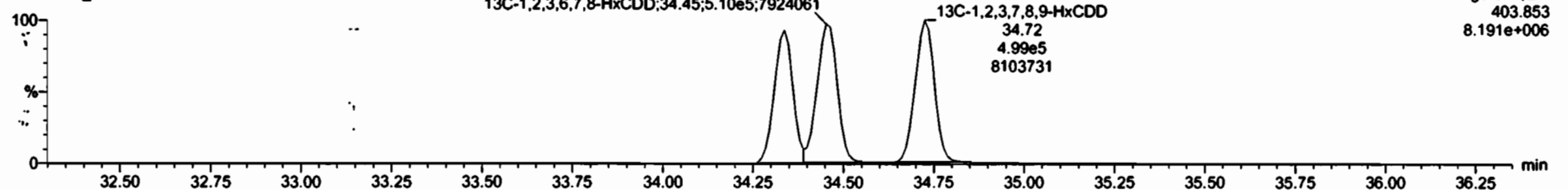


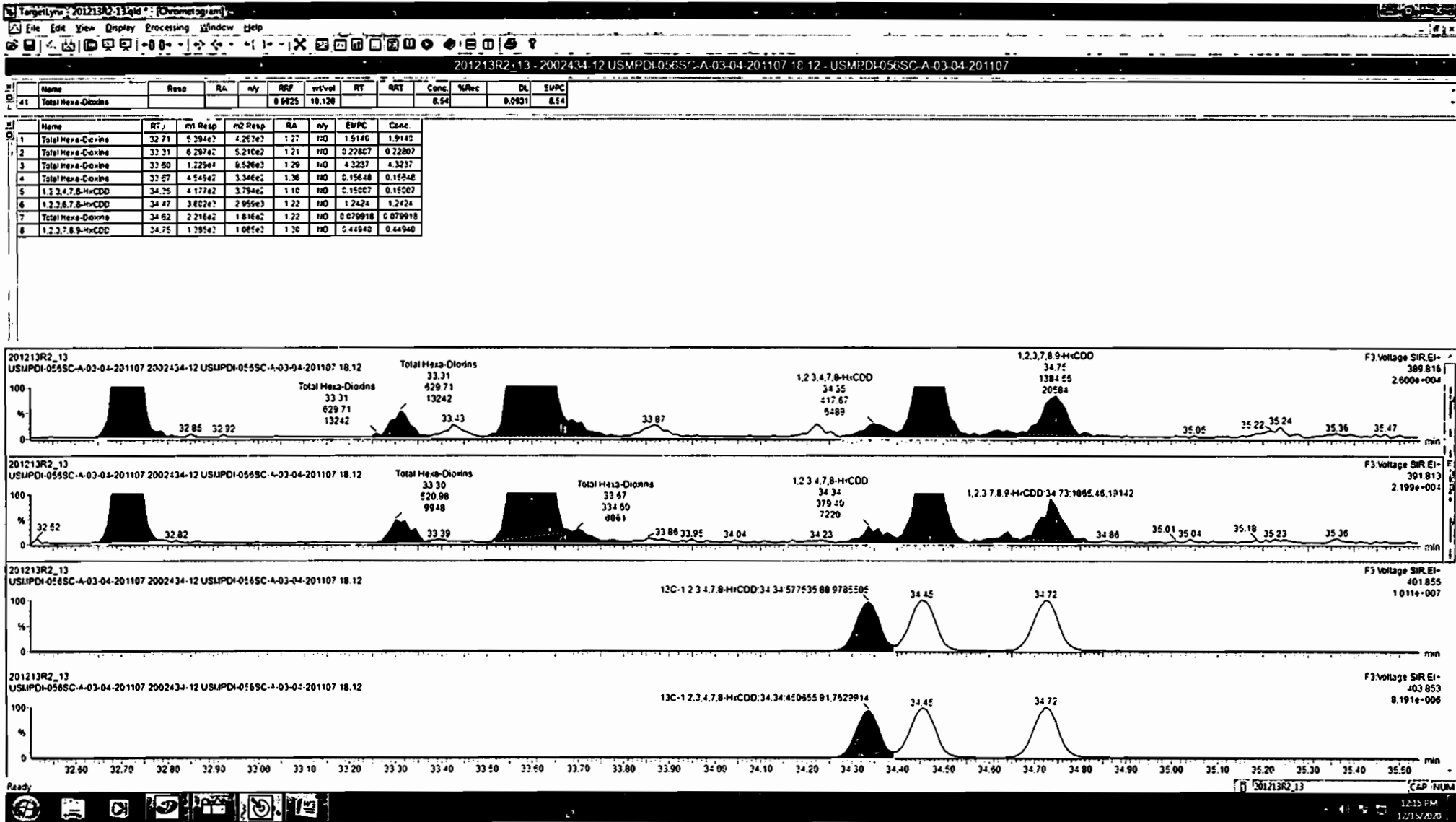
13C-1,2,3,4,7,8-HxCDD

201213R2_13



201213R2_13





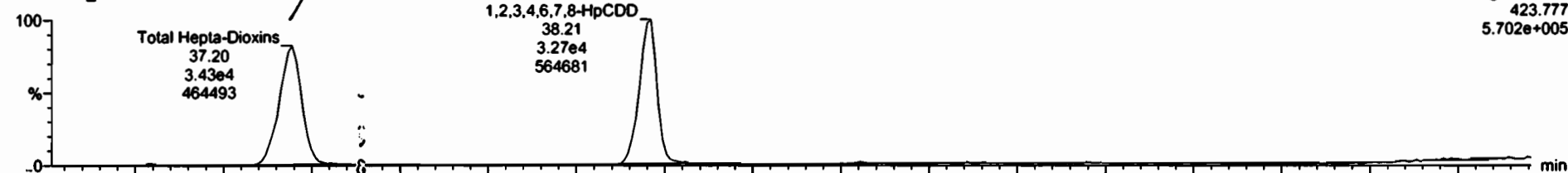
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

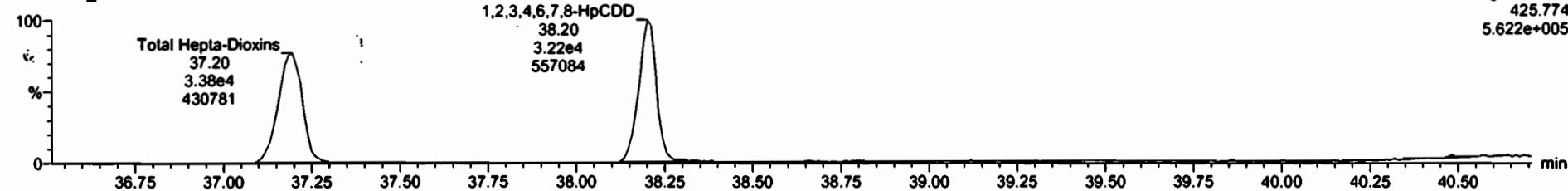
Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

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

201213R2_13

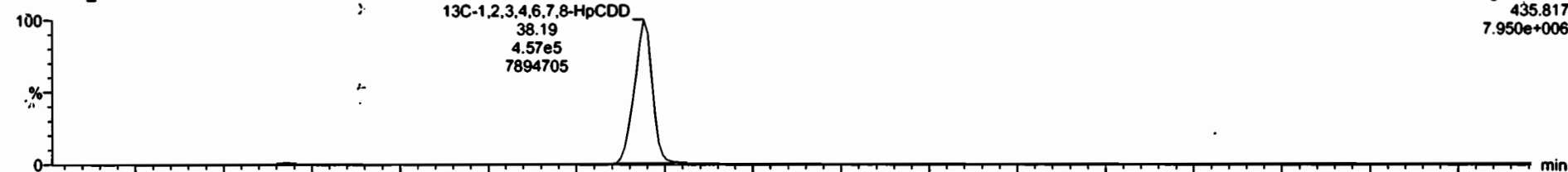


201213R2_13

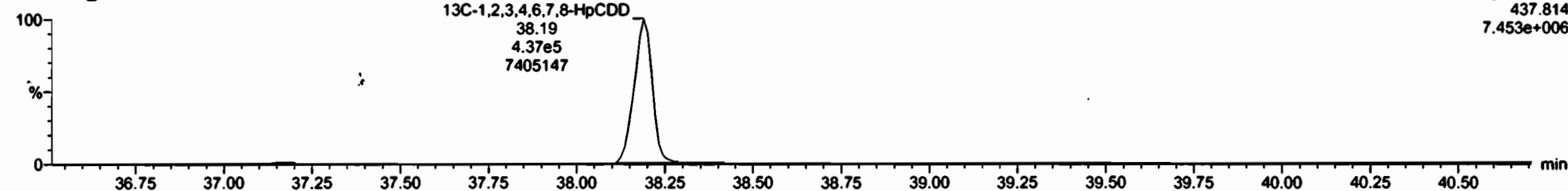


13C-1,2,3,4,6,7,8-HpCDD

201213R2_13



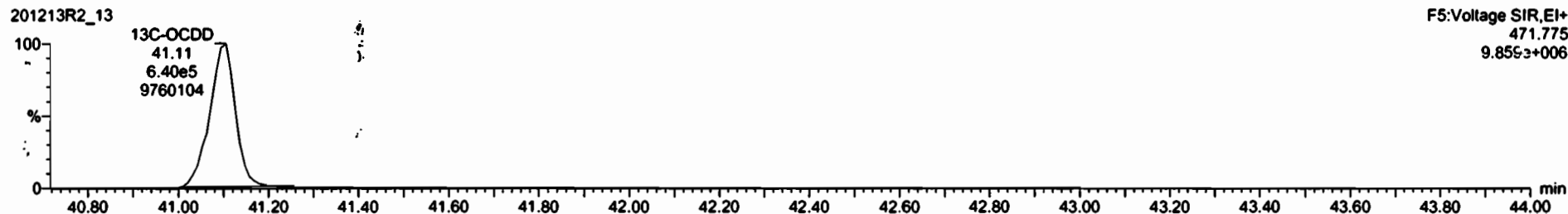
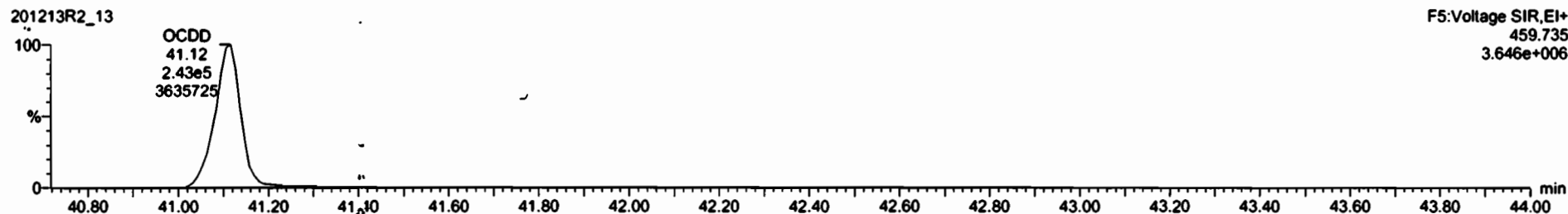
201213R2_13



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-20, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

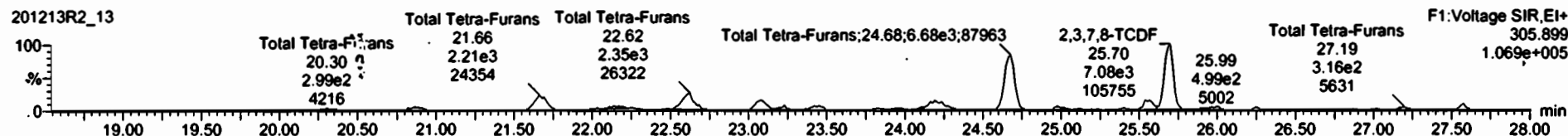
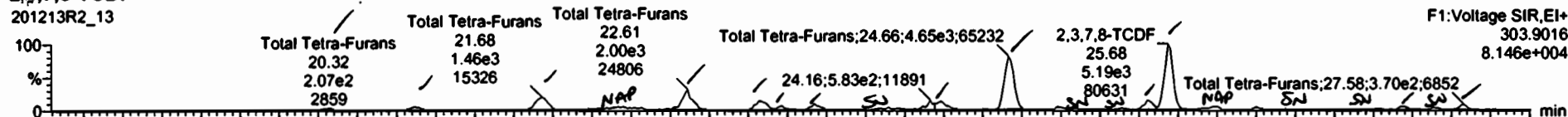


Dataset: Untitled

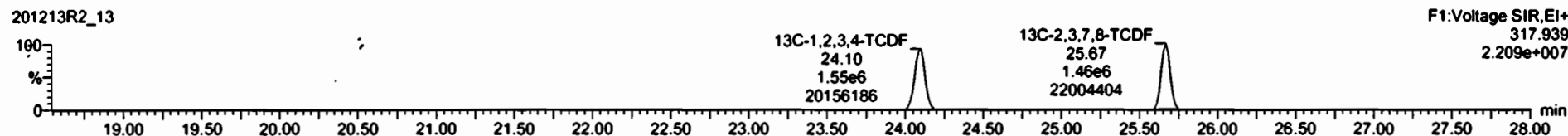
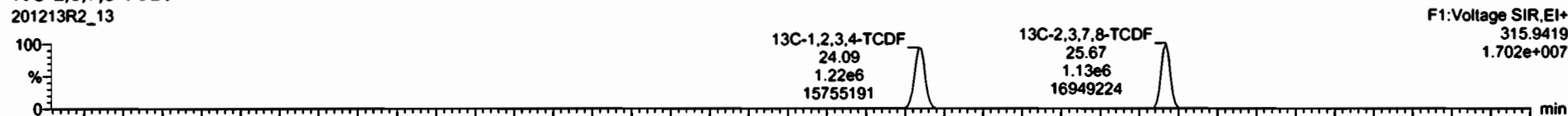
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

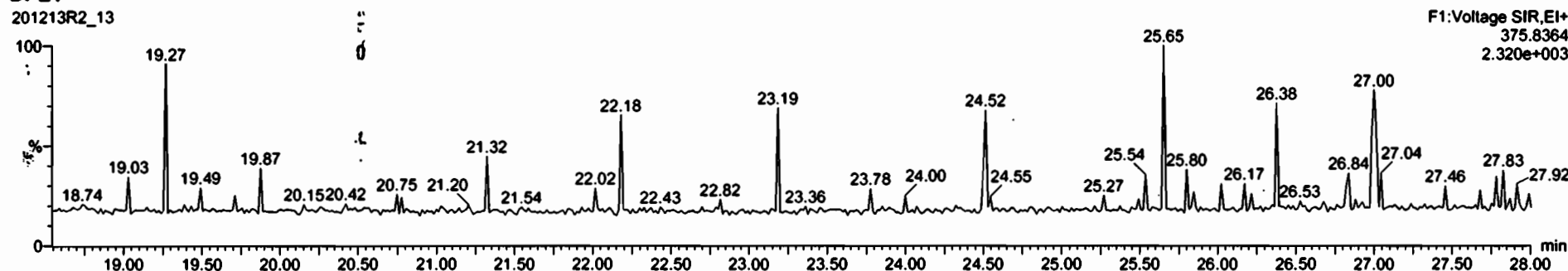
2,3,7,8-TCDF



¹³C-2,3,7,8-TCDF

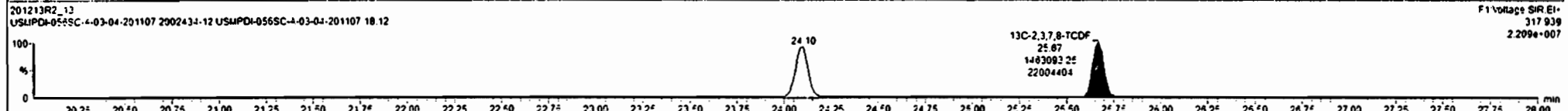
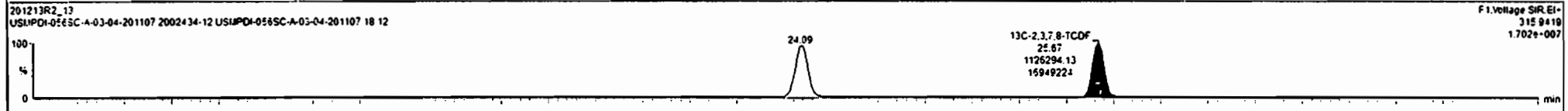
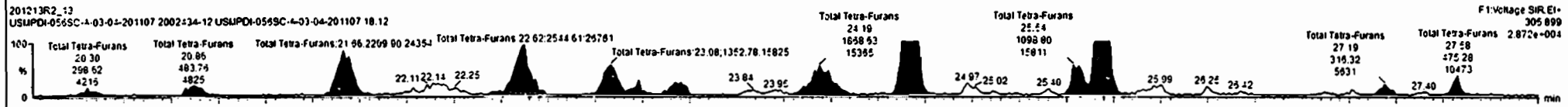
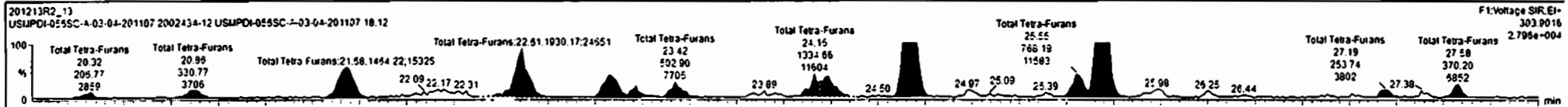


DPE1



Name	Resp	RA	n1	RRF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
43	Total Tetra-Furans			0.8480	10.126			3.93		0.0248	3.93

Name	RT1	m1 Resp	n2 Resp	RA	n1	EMPC	Conc	
1	Total Tetra-Furans	20.32	2.065e2	2.908e2	0.59	HO	0.045482	0.045482
2	Total Tetra-Furans	20.86	3.308e2	4.838e2	0.58	HO	0.073276	0.073276
3	Total Tetra-Furans	21.58	1.464e3	2.210e3	0.56	HO	0.33053	0.33053
4	Total Tetra-Furans	22.21	1.935e2	2.545e2	0.76	HO	0.43252	0.43252
5	Total Tetra-Furans	23.07	9.957e2	1.353e3	0.74	HO	0.21126	0.21126
6	Total Tetra-Furans	23.22	2.875e2	3.783e2	0.76	HO	0.059099	0.059099
7	Total Tetra-Furans	23.42	5.629e2	6.173e2	0.81	HO	0.10077	0.10077
8	Total Tetra-Furans	24.16	1.235e3	1.869e3	0.71	HO	0.23811	0.23811
9	Total Tetra-Furans	24.96	4.645e2	6.605e2	0.69	HO	1.0192	1.0192
10	Total Tetra-Furans	25.95	7.682e2	1.095e3	0.70	HO	0.16794	0.16794
11	2,3,7,8-TCDF	25.68	5.189e3	7.078e3	0.73	HO	1.1035	1.1035
12	Total Tetra-Furans	27.19	2.537e2	3.163e2	0.30	HO	0.051279	0.051279
13	Total Tetra-Furans	27.58	3.702e2	4.753e2	0.75	HO	0.076055	0.076055



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

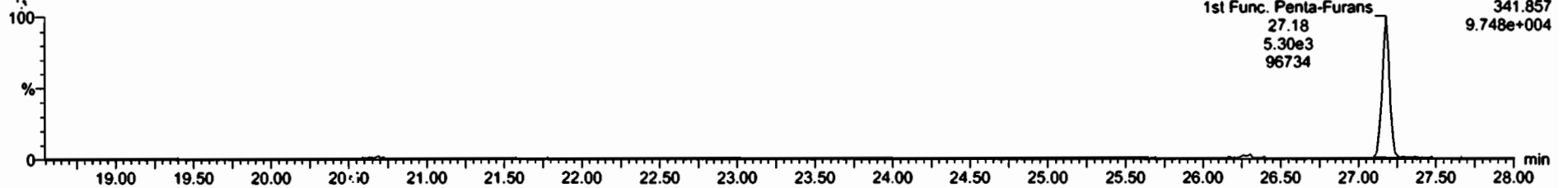
Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

1st Func. Penta-Furans

201213R2_13

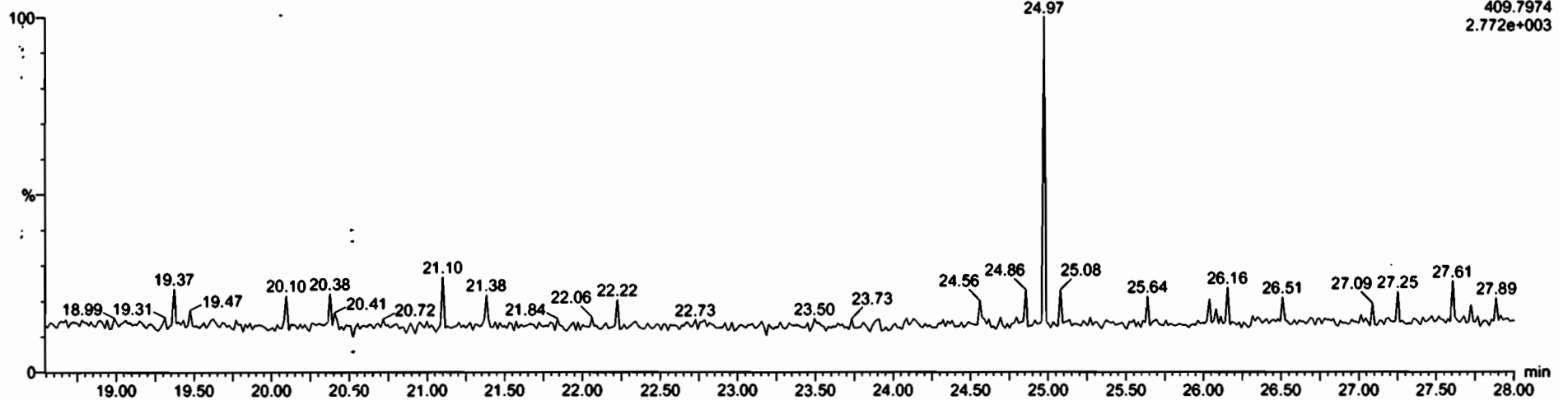


201213R2_13



DPE6

201213R2_13

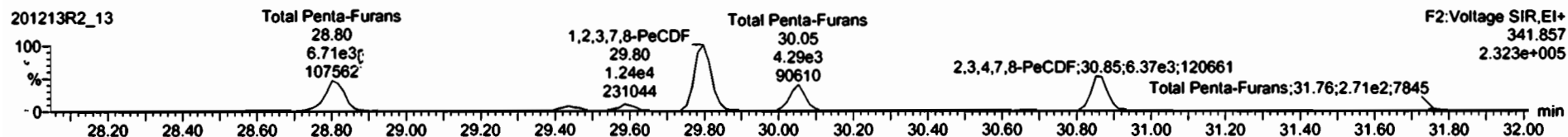
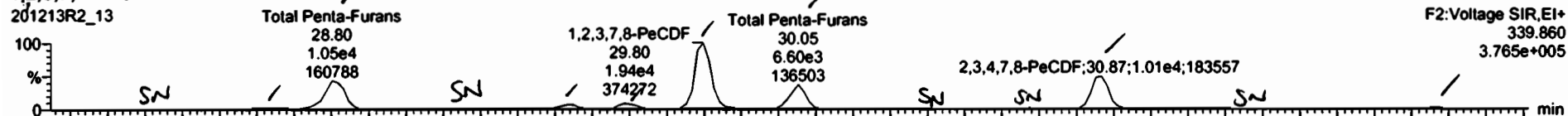


Dataset: Untitled

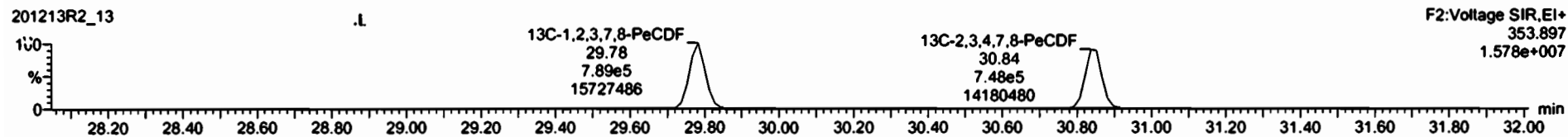
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

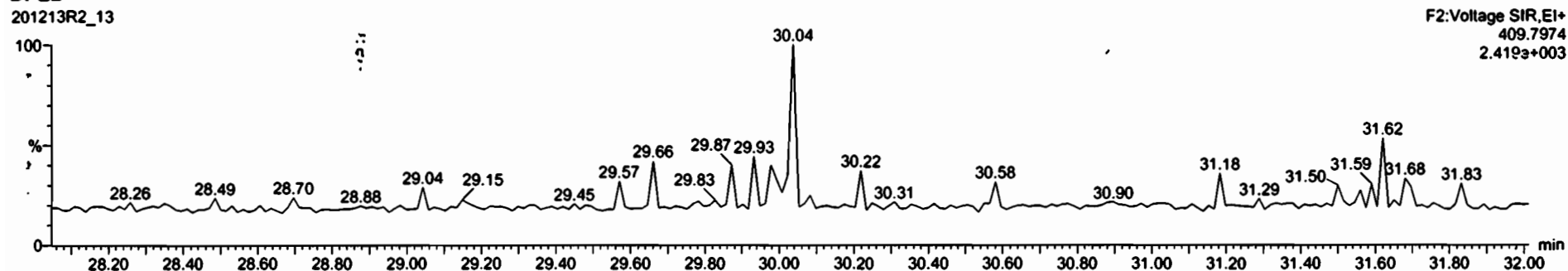
1,2,3,7,8-PeCDF

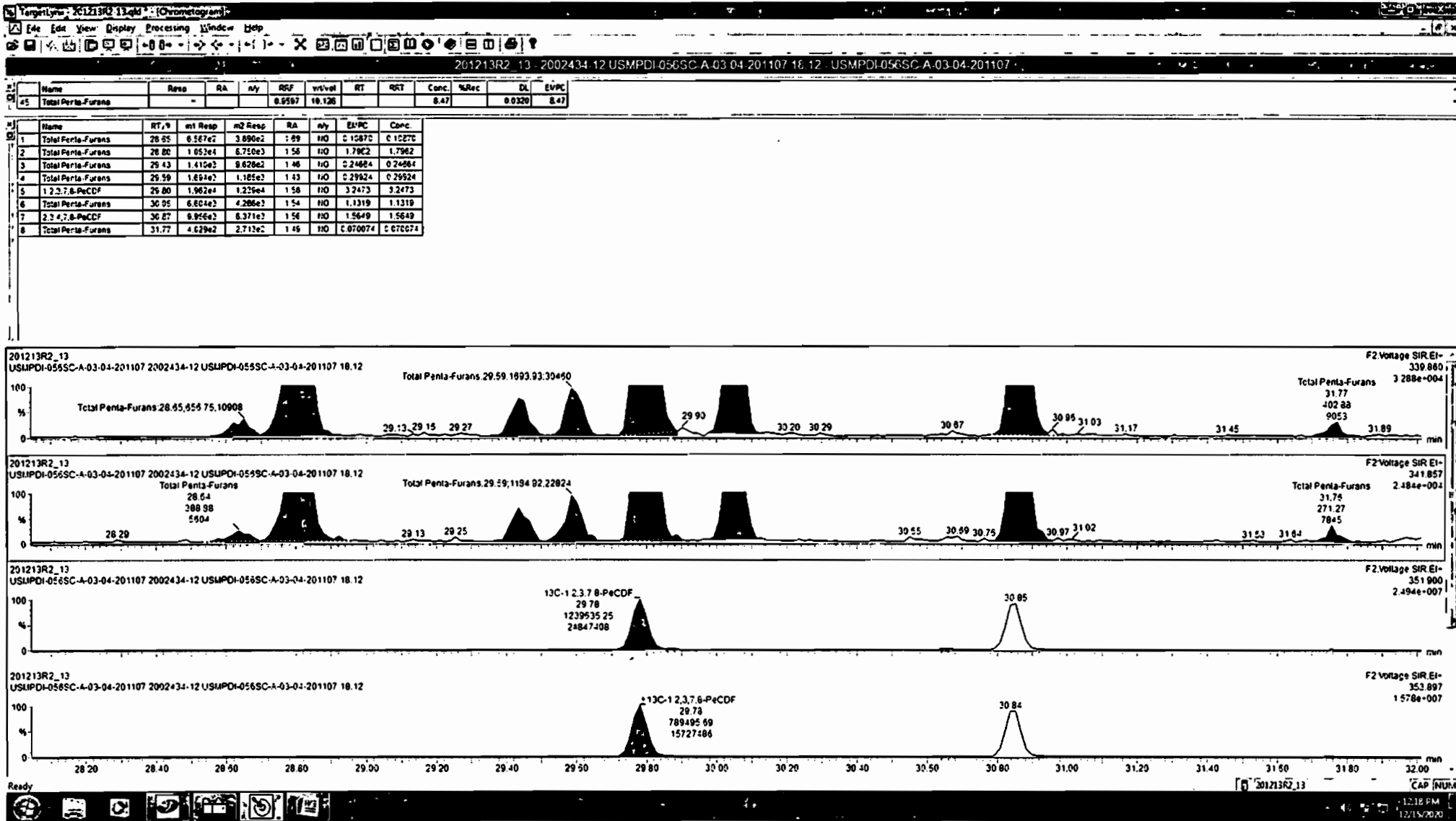


13C-1,2,3,7,8-PeCDF



DPE2





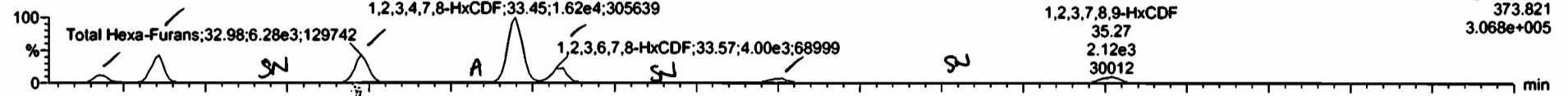
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

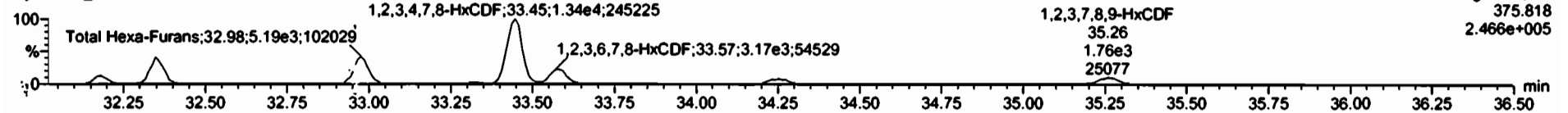
Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

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

201213R2_13

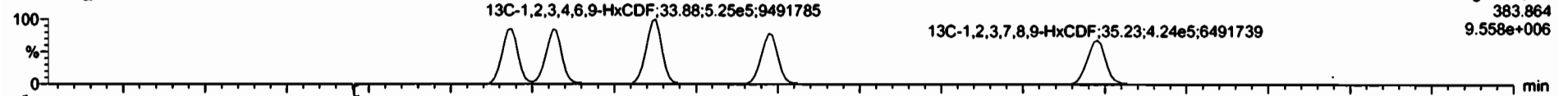


201213R2_13

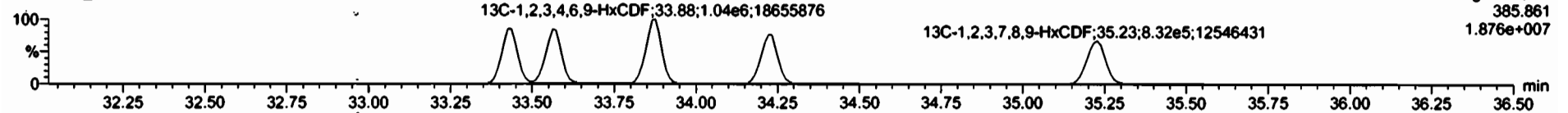


13C-1,2,3,4,7,8-HxCDF

201213R2_13

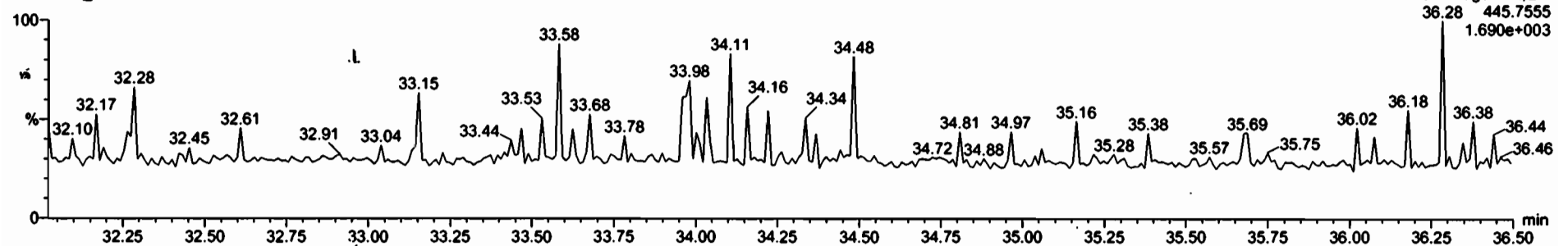


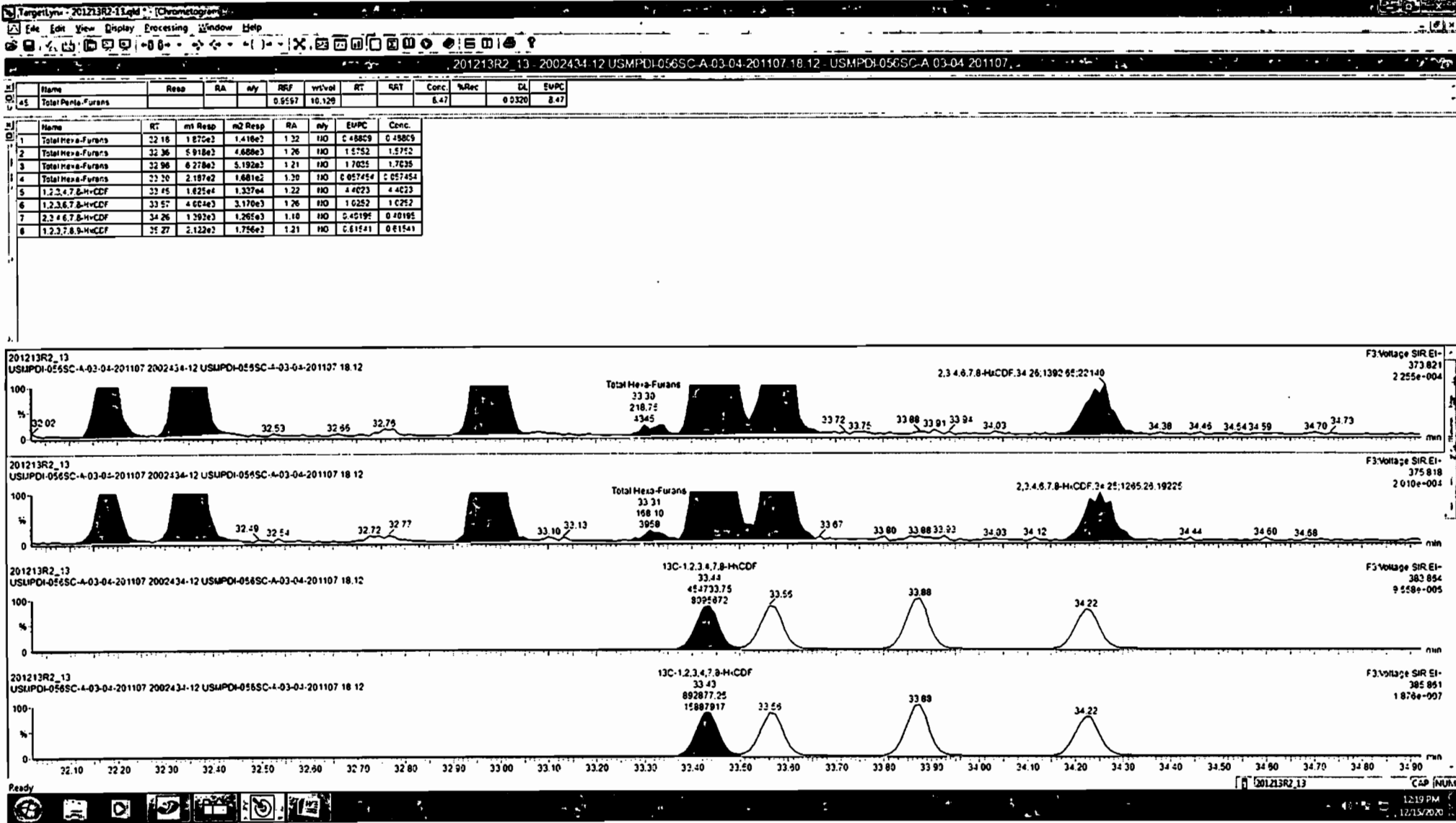
201213R2_13



DPE3

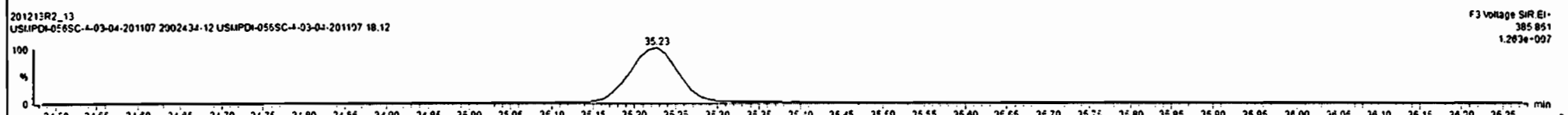
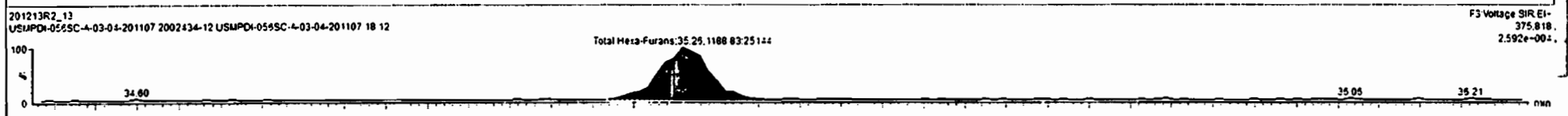
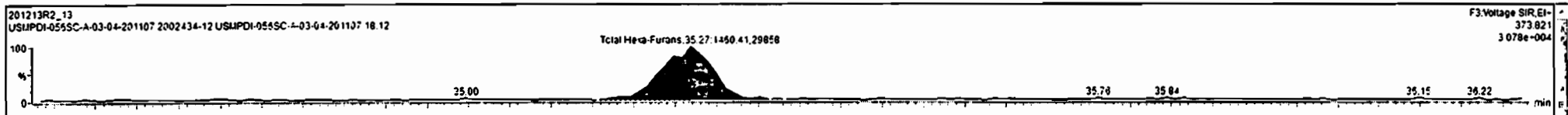
201213R2_13





Name	Reso	RA	n _y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
Total Hexa-Furans				0.6597	10.126			6.47		0.0320	3.47

Name	RT	int Reso	m2 Reso	RA	n _y	EMPC	Conc
1 Total Hexa-Furans	32.18	1.875e2	1.416e2	1.32	HO	0.45829	0.48999
2 Total Hexa-Furans	32.36	5.918e2	4.628e2	1.26	HO	1.5752	1.5752
3 Total Hexa-Furans	32.96	6.278e2	5.152e2	1.21	HO	1.7035	1.7025
4 Total Hexa-Furans	33.30	2.187e2	1.821e2	1.30	HO	0.657454	0.657454
5 1,2,3,4,7,8-HxCDF	33.45	1.825e4	1.327e4	1.22	HO	4.4023	4.4623
6 1,2,3,6,7,8-HxCDF	33.57	4.004e2	3.170e2	1.26	HO	1.0252	1.0252
7 2,3,4,6,7,8-HxCDF	34.26	1.293e2	1.265e2	1.10	HO	0.40195	0.40195
8 1,2,3,7,8,9-HxCDF	35.25	6.435e2	5.641e2	1.14	HO	0.15183	0.16163
9 Total Hexa-Furans	35.27	1.465e2	1.185e2	1.23	HO	0.33346	0.29346



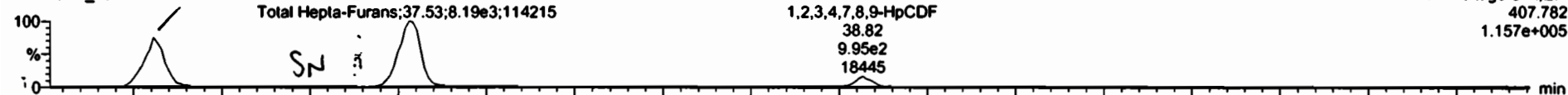
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

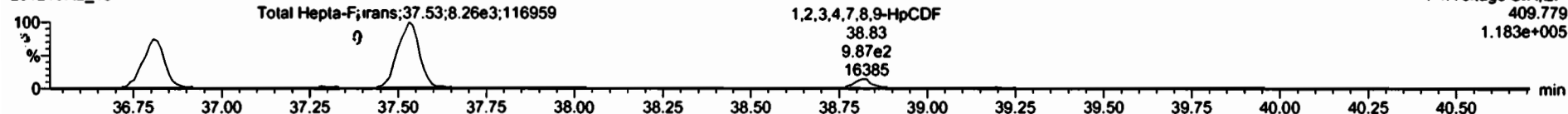
Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

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

201213R2_13

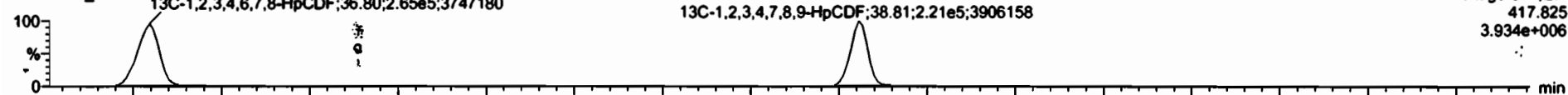


201213R2_13

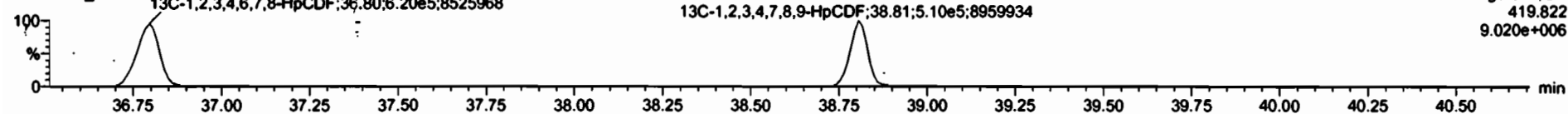


13C-1,2,3,4,6,7,8-HpCDF

201213R2_13

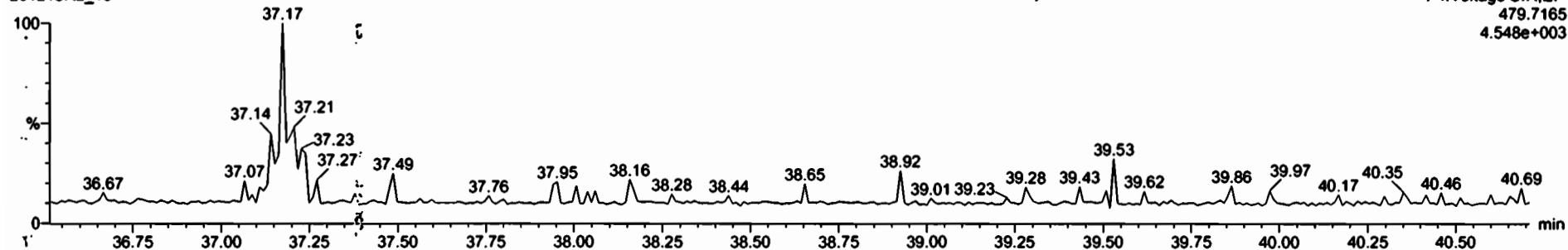


201213R2_13



DPE4

201213R2_13

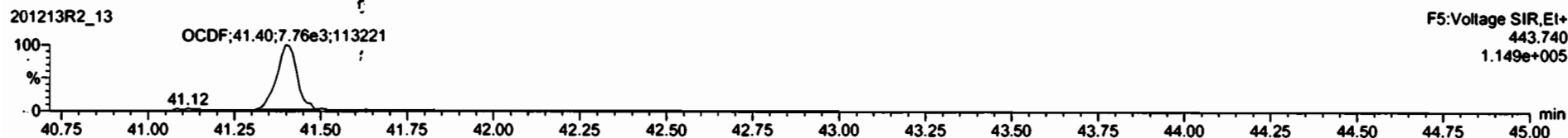
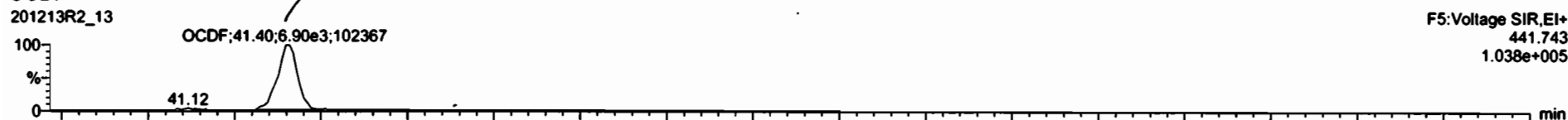


Dataset: Untitled

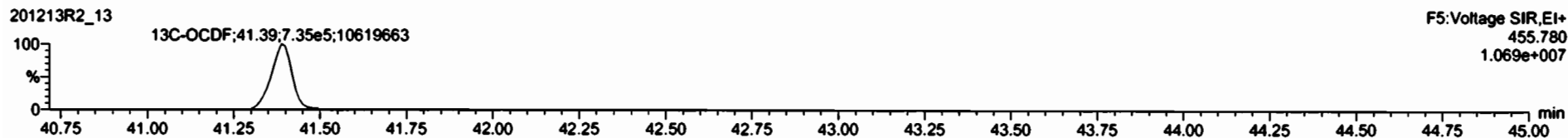
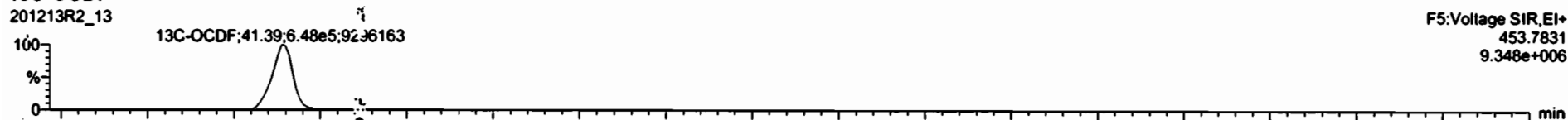
Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107

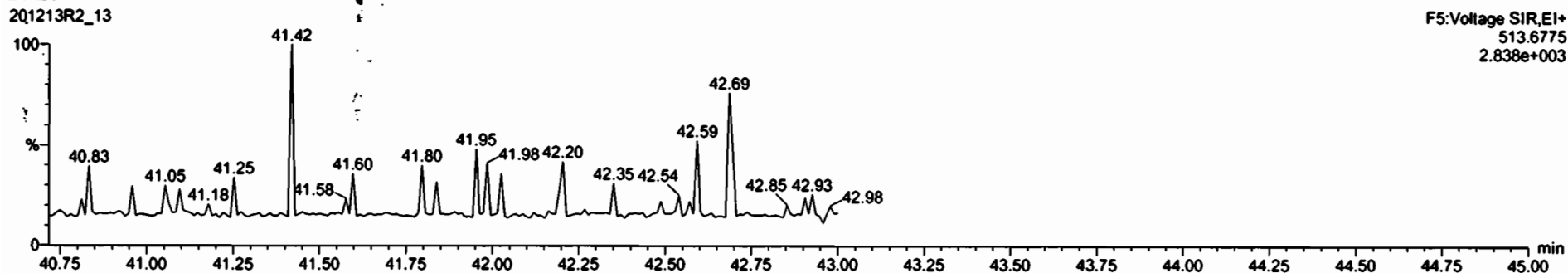
OCDF



13C-OCDF



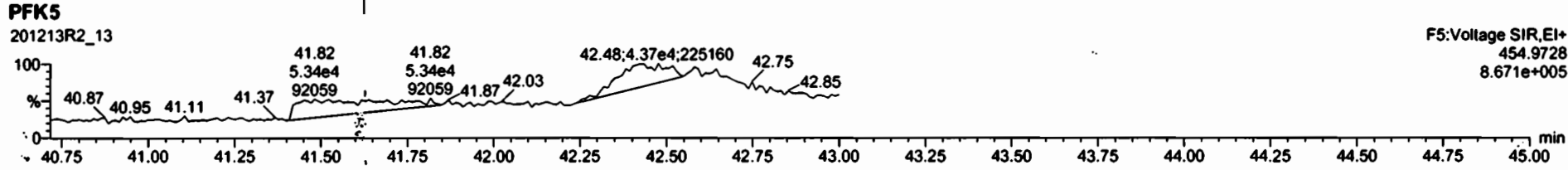
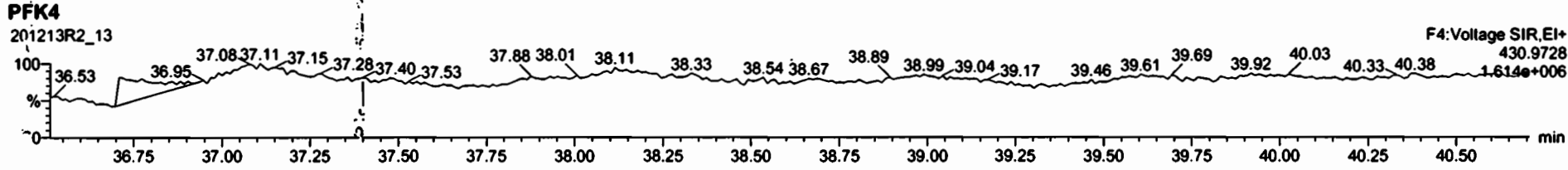
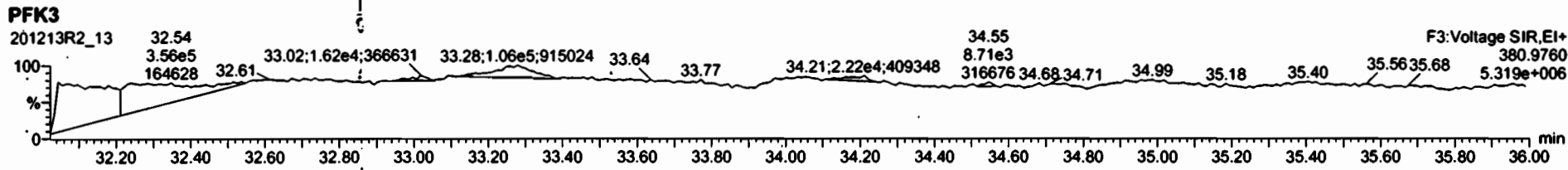
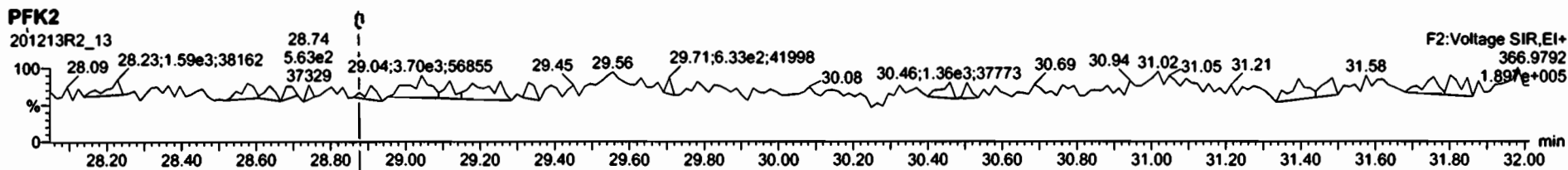
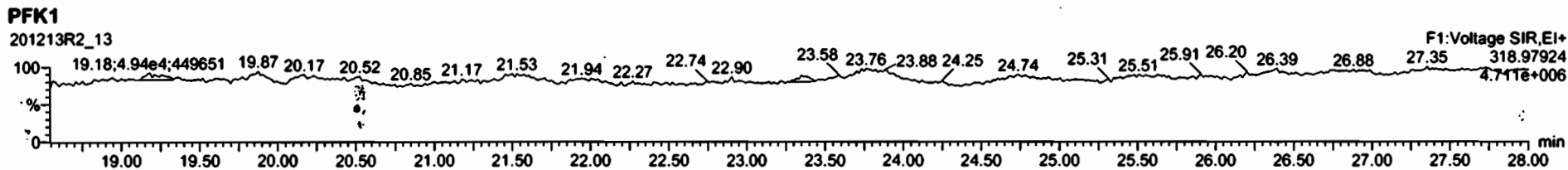
DPE5



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:01:44 Pacific Standard Time
Printed: Monday, December 14, 2020 07:12:56 Pacific Standard Time

Name: 201213R2_13, Date: 13-Dec-2020, Time: 19:08:25, ID: 2002434-12 USMPDI-056SC-A-03-04-201107 18.12, Description: USMPDI-056SC-A-03-04-201107



Dataset: U:\VG12.PRO\Results\201214R1\201214R1_10.qld

Last Altered: Tuesday, December 15, 2020 12:39:12 PM Pacific Standard Time
Printed: Tuesday, December 15, 2020 12:39:32 PM Pacific Standard Time

GRB 12/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\ddbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

MLL 12/15/20

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

#	Name	Resp	RA	ny	RRF	[wt/vol]	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.03e3	0.46	YES	0.980	10.171	26.381	26.38	1.001	1.001	0.39389		0.0258	0.285
2	1,2,3,7,8-PeCDD	6.66e3	0.61	NO	0.932	10.171	31.079	31.06	1.001	1.000	1.0876		0.0362	1.09
3	1,2,3,4,7,8-HxCDD	6.06e3	1.20	NO	1.02	10.171	34.358	34.35	1.001	1.000	1.2441		0.182	1.24
4	1,2,3,6,7,8-HxCDD	4.64e4	1.22	NO	0.902	10.171	34.484	34.47	1.001	1.000	9.5843		0.189	9.58
5	1,2,3,7,8,9-HxCDD	1.70e4	1.17	NO	0.954	10.171	34.745	34.74	1.000	1.000	3.4141		0.182	3.41
6	1,2,3,4,6,7,8-HpCDD	5.91e5	1.02	NO	0.918	10.171	38.201	38.20	1.000	1.000	155.89		0.794	156
7	OCDD	4.27e6	0.88	NO	0.866	10.171	41.113	41.12	1.000	1.000	1691.9		0.863	1690
8	2,3,7,8-TCDF	1.15e5	0.73	NO	0.848	10.171	25.672	25.68	1.000	1.001	13.000		0.0406	13.0
9	1,2,3,7,8-PeCDF	1.63e5	1.54	NO	0.960	10.171	29.800	29.81	1.000	1.000	17.980		0.0566	18.0
10	2,3,4,7,8-PeCDF	9.40e4	1.57	NO	1.07	10.171	30.874	30.87	1.001	1.000	10.141		0.0517	10.1
11	1,2,3,4,7,8-HxCDF	2.32e5	1.20	NO	0.986	10.171	33.447	33.45	1.000	1.000	39.110		0.0936	39.1
12	1,2,3,6,7,8-HxCDF	5.36e4	1.20	NO	1.04	10.171	33.593	33.58	1.001	1.000	8.5736		0.0937	8.57
13	2,3,4,6,7,8-HxCDF	1.58e4	1.23	NO	1.02	10.171	34.253	34.26	1.001	1.001	2.7328		0.105	2.73
14	1,2,3,7,8,9-HxCDF	4.43e3	1.10	NO	0.991	10.171	35.238	35.25	1.000	1.001	0.86164		0.128	0.862
15	1,2,3,4,6,7,8-HpCDF	1.31e5	1.00	NO	1.05	10.171	36.814	36.81	1.000	1.000	32.024		0.206	32.0
16	1,2,3,4,7,8,9-HpCDF	2.40e4	1.00	NO	1.18	10.171	38.829	38.83	1.000	1.000	6.4043		0.189	6.40
17	OCDF	1.64e5	0.87	NO	0.896	10.171	41.406	41.41	1.000	1.000	61.709		0.203	61.7
18	13C-2,3,7,8-TCDD	1.54e6	0.77	NO	1.06	10.171	26.353	26.35	1.030	1.030	185.00	94.1	0.0948	
19	13C-1,2,3,7,8-PeCDD	1.29e6	0.63	NO	0.785	10.171	31.192	31.05	1.219	1.214	208.63	106	0.154	
20	13C-1,2,3,4,7,8-HxCDD	9.39e5	1.28	NO	0.621	10.171	34.337	34.34	1.014	1.014	215.92	110	0.294	
21	13C-1,2,3,6,7,8-HxCDD	1.05e6	1.26	NO	0.734	10.171	34.459	34.46	1.017	1.017	204.89	104	0.249	
22	13C-1,2,3,7,8,9-HxCDD	1.03e6	1.25	NO	0.723	10.171	34.743	34.74	1.026	1.025	203.06	103	0.253	
23	13C-1,2,3,4,6,7,8-HpCDD	8.12e5	1.04	NO	0.568	10.171	38.243	38.19	1.129	1.127	204.13	104	0.631	
24	13C-OCDD	1.15e6	0.92	NO	0.496	10.171	41.180	41.10	1.216	1.213	330.22	84.0	0.369	
25	13C-2,3,7,8-TCDF	2.05e6	0.77	NO	0.919	10.171	25.652	25.67	1.003	1.003	187.05	95.1	0.131	
26	13C-1,2,3,7,8-PeCDF	1.86e6	1.58	NO	0.715	10.171	29.903	29.80	1.169	1.165	218.34	111	0.261	
27	13C-2,3,4,7,8-PeCDF	1.71e6	1.59	NO	0.689	10.171	30.990	30.85	1.212	1.206	208.40	106	0.272	
28	13C-1,2,3,4,7,8-HxCDF	1.18e6	0.50	NO	0.873	10.171	33.442	33.44	0.987	0.987	193.20	98.3	0.359	
29	13C-1,2,3,6,7,8-HxCDF	1.18e6	0.51	NO	0.933	10.171	33.571	33.57	0.991	0.991	180.99	92.0	0.336	
30	13C-2,3,4,6,7,8-HxCDF	1.12e6	0.50	NO	0.843	10.171	34.238	34.23	1.011	1.011	189.07	96.2	0.372	
31	13C-1,2,3,7,8,9-HxCDF	1.02e6	0.51	NO	0.780	10.171	35.238	35.23	1.040	1.040	186.72	95.0	0.402	

Dataset: U:\VG12.PRO\Results\201214R1\201214R1_10.qld

Last Altered: Tuesday, December 15, 2020 12:39:12 PM Pacific Standard Time

Printed: Tuesday, December 15, 2020 12:39:32 PM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

#	Name	Resp	RA	ny	RRF	wt/vol	Pred RT	RT	Pred RRT	RRT	Conc	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	7.64e5	0.43	NO	0.726	10.171	36.813	36.80	1.087	1.086	150.18	76.4	0.441	
33	13C-1,2,3,4,7,8,9-HpCDF	6.26e5	0.42	NO	0.491	10.171	38.822	38.82	1.146	1.146	181.98	92.5	0.652	
34	13C-OCDF	1.16e6	0.88	NO	0.565	10.171	41.396	41.40	1.222	1.222	293.61	74.7	0.345	
35	37Cl-2,3,7,8-TCDD	7.31e5			1.22	10.171	26.347	26.38	1.030	1.031	76.180	96.9	0.0454	
36	13C-1,2,3,4-TCDD	1.55e6	0.79	NO	1.00	10.171	25.640	25.58	1.000	1.000	196.63	100	0.100	
37	13C-1,2,3,4-TCDF	2.34e6	0.78	NO	1.00	10.171	24.130	24.09	1.000	1.000	196.63	100	0.120	
38	13C-1,2,3,4,6,9-HxCDF	1.38e6	0.51	NO	1.00	10.171	33.920	33.88	1.000	1.000	196.63	100	0.313	
39	Total Tetra-Dioxins				0.980	10.171	24.620		0.000		2.8047		0.0253	3.20
40	Total Penta-Dioxins				0.932	10.171	29.960		0.000		7.0934		0.0362	8.32
41	Total Hexa-Dioxins				0.902	10.171	33.635		0.000		67.346		0.195	67.3
42	Total Hepta-Dioxins				0.918	10.171	37.640		0.000		321.36		0.794	321
43	Total Tetra-Furans				0.848	10.171	23.610		0.000		37.670		0.0406	39.5
44	1st Func. Penta-Furans				0.960	10.171	26.930		0.000		10.824		0.0212	10.8
45	Total Penta-Furans				0.960	10.171	29.275		0.000		52.232		0.0570	52.3
46	Total Hexa-Furans				1.02	10.171	33.555		0.000		90.080		0.103	90.1
47	Total Hepta-Furans				1.05	10.171	37.835		0.000		82.805		0.208	82.8

Dataset: U:\VG12.PRO\Results\201214R1\201214R1_10.qld

Last Altered: Tuesday, December 15, 2020 12:39:12 PM Pacific Standard Time

Printed: Tuesday, December 15, 2020 12:39:32 PM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\ddbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Tetra-Dioxins	22.56	2.413e4	2.965e4	2.308e3	2.707e3	0.85	NO	5.015e3	0.65293	0.65293	0.0253
2	Total Tetra-Dioxins	22.90	1.328e4	1.745e4	9.912e2	1.374e3	0.72	NO	2.365e3	0.30791	0.30791	0.0253
3	Total Tetra-Dioxins	23.44	8.992e3	1.149e4	7.066e2	8.627e2	0.82	NO	1.569e3	0.20431	0.20431	0.0253
4	Total Tetra-Dioxins	24.26	8.648e3	8.035e3	5.162e2	6.157e2	0.84	NO	1.132e3	0.14737	0.14737	0.0253
5	Total Tetra-Dioxins	24.52	6.341e3	1.043e4	5.699e2	6.738e2	0.85	NO	1.244e3	0.16191	0.16191	0.0253
6	Total Tetra-Dioxins	24.74	1.365e4	1.743e4	1.075e3	1.277e3	0.84	NO	2.352e3	0.30619	0.30619	0.0253
7	Total Tetra-Dioxins	24.94	5.037e3	5.719e3	2.931e2	3.451e2	0.85	NO	6.382e2	0.083087	0.083087	0.0253
8	Total Tetra-Dioxins	25.24	8.697e3	1.042e4	4.642e2	5.848e2	0.79	NO	1.049e3	0.13657	0.13657	0.0253
9	Total Tetra-Dioxins	25.30	6.420e3	6.904e3	4.568e2	5.164e2	0.88	NO	9.732e2	0.12670	0.12670	0.0253
10	Total Tetra-Dioxins	25.65	5.928e3	2.537e3	2.883e2	1.514e2	1.90	YES	0.000e0	0.00000	0.034899	0.0253
11	Total Tetra-Dioxins	25.68	1.022e4	4.533e3	3.592e2	3.241e2	1.11	YES	0.000e0	0.00000	0.074689	0.0253
12	Total Tetra-Dioxins	26.08	2.685e4	3.532e4	1.876e3	2.391e3	0.78	NO	4.267e3	0.55555	0.55555	0.0253
13	2,3,7,8-TCDD	26.38	1.530e4	3.485e4	9.527e2	2.073e3	0.46	YES	3.025e3	0.00000	0.28511	0.0253
14	Total Tetra-Dioxins	26.69	6.523e3	1.004e4	4.139e2	5.249e2	0.79	NO	9.387e2	0.12221	0.12221	0.0253

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1	Total Penta-Dioxins	28.80	7.001e4	1.051e5	5.518e3	8.497e3	0.65	NO	1.402e4	2.2898	2.2898	0.0362
2	Total Penta-Dioxins	29.28	1.943e4	3.108e4	1.021e3	1.753e3	0.58	NO	2.774e3	0.45318	0.45318	0.0362
3	Total Penta-Dioxins	29.81	5.453e4	7.799e4	3.062e3	4.335e3	0.71	NO	7.396e3	1.2084	1.2084	0.0362
4	Total Penta-Dioxins	29.98	5.708e4	8.166e4	2.479e3	3.586e3	0.69	NO	0.000e0	0.00000	0.99101	0.0362
5	Total Penta-Dioxins	30.04	3.221e4	5.078e4	1.565e3	2.229e3	0.70	NO	3.794e3	0.61992	0.61992	0.0362
6	Total Penta-Dioxins	30.29	4.257e4	6.071e4	2.705e3	4.217e3	0.64	NO	6.922e3	1.1310	1.1310	0.0362
7	Total Penta-Dioxins	30.61	4.549e3	7.517e3	2.860e2	4.239e2	0.67	NO	7.099e2	0.11598	0.11598	0.0362
8	1,2,3,7,8-PeCDD	31.06	5.083e4	8.556e4	2.516e3	4.142e3	0.61	NO	6.657e3	1.0876	1.0876	0.0362
9	Total Penta-Dioxins	31.15	1.391e4	1.643e4	4.603e2	6.876e2	0.67	NO	1.148e3	0.18753	0.18753	0.0362
10	Total Penta-Dioxins	31.41	1.331e4	2.018e4	5.580e2	1.067e3	0.52	YES	0.000e0	0.00000	0.23588	0.0362

Dataset: U:\VG12.PRO\Results\201214R1\201214R1_10.qld

Last Altered: Tuesday, December 15, 2020 12:39:12 PM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 12:39:32 PM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	(n/y)	Resp	Conc.	EMPC	DL
1 Total Hexa-Dioxins	32.72	8.773e5	7.059e5	4.381e4	3.556e4	1.23	NO	7.938e4	17.176	17.176	0.195
2 Total Hexa-Dioxins	33.31	8.959e4	7.202e4	4.819e3	3.860e3	1.25	NO	8.679e3	1.8779	1.8779	0.195
3 Total Hexa-Dioxins	33.60	1.258e6	1.014e6	8.320e4	6.617e4	1.26	NO	1.494e5	32.321	32.321	0.195
4 Total Hexa-Dioxins	33.68	6.884e4	4.888e4	2.807e3	2.247e3	1.25	NO	5.054e3	1.0936	1.0936	0.195
5 1,2,3,4,7,8-HxCDD	34.35	6.286e4	4.413e4	3.310e3	2.750e3	1.20	NO	6.060e3	1.2441	1.2441	0.182
6 1,2,3,6,7,8-HxCDD	34.47	4.230e5	3.530e5	2.549e4	2.086e4	1.22	NO	4.635e4	9.5843	9.5843	0.189
7 Total Hexa-Dioxins	34.63	2.405e4	2.274e4	1.556e3	1.380e3	1.13	NO	2.936e3	0.63530	0.63530	0.195
8 1,2,3,7,8,9-HxCDD	34.74	1.452e5	1.332e5	9.186e3	7.847e3	1.17	NO	1.703e4	3.4141	3.4141	0.182

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	(n/y)	Resp	Conc.	EMPC	DL
1 Total Hepta-Dioxins	37.20	4.033e6	3.994e6	3.169e5	3.104e5	1.02	NO	6.273e5	165.47	165.47	0.794
2 1,2,3,4,6,7,8-HpCDD	38.20	4.719e6	4.769e6	2.986e5	2.923e5	1.02	NO	5.910e5	155.89	155.89	0.794

Dataset: U:\VG12.PRO\Results\201214R1\201214R1_10.qld

Last Altered: Tuesday, December 15, 2020 12:39:12 PM Pacific Standard Time

Printed: Tuesday, December 15, 2020 12:39:32 PM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

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	1.333e4	1.448e4	8.970e2	1.218e3	0.74	NO	2.115e3	0.23965	0.23965	0.0406
2 Total Tetra-Furans	20.89	1.815e4	2.426e4	1.726e3	2.203e3	0.78	NO	3.929e3	0.44515	0.44515	0.0406
3 Total Tetra-Furans	21.68	7.124e4	9.392e4	6.252e3	8.748e3	0.71	NO	1.500e4	1.6993	1.6993	0.0406
4 Total Tetra-Furans	22.03	8.408e3	1.298e4	7.639e2	1.009e3	0.76	NO	1.773e3	0.20083	0.20083	0.0406
5 Total Tetra-Furans	22.17	2.557e4	3.676e4	2.111e3	3.114e3	0.68	NO	5.225e3	0.59191	0.59191	0.0406
6 Total Tetra-Furans	22.24	1.026e4	1.485e4	9.149e2	1.228e3	0.75	NO	2.143e3	0.24276	0.24276	0.0406
7 Total Tetra-Furans	22.59	1.345e5	1.835e5	1.268e4	1.686e4	0.75	NO	2.955e4	3.3472	3.3472	0.0406
8 Total Tetra-Furans	23.07	6.325e4	8.263e4	5.373e3	6.796e3	0.79	NO	1.217e4	1.3786	1.3786	0.0406
9 Total Tetra-Furans	23.20	1.959e4	2.590e4	1.414e3	2.081e3	0.68	NO	3.494e3	0.39585	0.39585	0.0406
10 Total Tetra-Furans	23.42	3.997e4	4.407e4	2.988e3	4.062e3	0.74	NO	7.050e3	0.79871	0.79871	0.0406
11 Total Tetra-Furans	23.84	6.116e3	1.022e4	4.877e2	7.122e2	0.68	NO	1.200e3	0.13592	0.13592	0.0406
12 Total Tetra-Furans	23.95	1.339e4	1.698e4	9.270e2	1.244e3	0.75	NO	2.171e3	0.24598	0.24598	0.0406
13 Total Tetra-Furans	24.16	3.540e4	4.229e4	1.491e3	1.982e3	0.75	NO	0.000e0	0.00000	0.39352	0.0406
14 Total Tetra-Furans	24.19	5.150e4	6.463e4	5.130e3	6.883e3	0.75	NO	0.000e0	0.00000	1.3610	0.0406
15 Total Tetra-Furans	24.66	5.963e5	8.569e5	4.238e4	5.881e4	0.72	NO	1.012e5	11.463	11.463	0.0406
16 Total Tetra-Furans	24.99	2.420e4	2.950e4	1.451e3	2.042e3	0.71	NO	3.493e3	0.39569	0.39569	0.0406
17 Total Tetra-Furans	25.42	9.855e3	1.486e4	6.378e2	8.189e2	0.78	NO	1.457e3	0.16503	0.16503	0.0406
18 Total Tetra-Furans	25.55	4.887e4	7.028e4	3.346e3	4.660e3	0.72	NO	8.006e3	0.90695	0.90695	0.0406
19 2,3,7,8-TCDF	25.68	7.190e5	1.007e6	4.854e4	6.622e4	0.73	NO	1.148e5	13.000	13.000	0.0406
20 Total Tetra-Furans	25.89	1.087e4	1.490e4	6.934e2	8.799e2	0.79	NO	1.573e3	0.17823	0.17823	0.0406
21 Total Tetra-Furans	25.99	2.621e4	4.005e4	1.798e3	2.664e3	0.67	NO	4.462e3	0.50545	0.50545	0.0406
22 Total Tetra-Furans	26.26	1.021e4	1.054e4	6.560e2	8.146e2	0.81	NO	1.471e3	0.16661	0.16661	0.0406
23 Total Tetra-Furans	27.19	2.279e4	3.271e4	1.450e3	1.945e3	0.75	NO	3.395e3	0.38460	0.38460	0.0406
24 Total Tetra-Furans	27.40	1.460e4	8.327e3	8.017e2	5.298e2	1.51	YES	0.000e0	0.00000	0.10624	0.0406
25 Total Tetra-Furans	27.58	4.955e4	7.415e4	2.856e3	4.055e3	0.70	NO	6.911e3	0.78293	0.78293	0.0406

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
1st Func. Penta-Furans	27.18	1.003e6	6.259e5	5.841e4	3.582e4	1.63	NO	9.423e4	10.824	10.824	0.0212

Dataset: U:\VG12.PRO\Results\201214R1\201214R1_10.qld

Last Altered: Tuesday, December 15, 2020 12:39:12 PM Pacific Standard Time

Printed: Tuesday, December 15, 2020 12:39:32 PM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.65	5.911e4	3.849e4	4.077e3	2.695e3	1.51	NO	6.772e3	0.77787	0.77787	0.0570
2	Total Penta-Furans	28.82	1.036e6	6.653e5	6.350e4	4.090e4	1.55	NO	1.044e5	11.992	11.992	0.0570
3	Total Penta-Furans	29.19	6.551e3	4.850e3	3.856e2	3.362e2	1.15	YES	0.000e0	0.00000	0.072869	0.0570
4	Total Penta-Furans	29.27	1.063e4	8.755e3	7.593e2	5.539e2	1.37	NO	1.313e3	0.15083	0.15083	0.0570
5	Total Penta-Furans	29.45	1.386e5	8.463e4	8.185e3	5.031e3	1.63	NO	1.322e4	1.5180	1.5180	0.0570
6	Total Penta-Furans	29.60	1.771e5	1.146e5	9.263e3	6.280e3	1.47	NO	1.554e4	1.7853	1.7853	0.0570
7	1,2,3,7,8-PeCDF	29.81	1.887e6	1.222e6	9.889e4	6.425e4	1.54	NO	1.631e5	17.980	17.980	0.0566
8	Total Penta-Furans	29.89	3.171e4	2.698e4	1.196e3	7.966e2	1.50	NO	1.993e3	0.22892	0.22892	0.0570
9	Total Penta-Furans	30.05	6.753e5	4.707e5	3.575e4	2.375e4	1.51	NO	5.950e4	6.8343	6.8343	0.0570
10	Total Penta-Furans	30.69	3.567e4	1.859e4	1.546e3	1.028e3	1.50	NO	2.573e3	0.29559	0.29559	0.0570
11	2,3,4,7,8-PeCDF	30.87	1.205e6	7.625e5	5.740e4	3.663e4	1.57	NO	9.403e4	10.141	10.141	0.0517
12	Total Penta-Furans	31.77	5.323e4	3.466e4	2.911e3	1.689e3	1.72	NO	4.600e3	0.52836	0.52836	0.0570

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	32.19	3.208e5	2.449e5	1.478e4	1.262e4	1.17	NO	2.740e4	4.6913	4.6913	0.103
2	Total Hexa-Furans	32.36	9.203e5	7.721e5	4.683e4	3.845e4	1.22	NO	8.528e4	14.601	14.601	0.103
3	Total Hexa-Furans	32.77	1.972e4	1.560e4	9.520e2	7.782e2	1.22	NO	1.730e3	0.29621	0.29621	0.103
4	Total Hexa-Furans	32.99	1.082e6	8.493e5	5.286e4	4.314e4	1.23	NO	9.599e4	16.435	16.435	0.103
5	Total Hexa-Furans	33.32	2.593e4	1.920e4	1.169e3	1.046e3	1.12	NO	2.215e3	0.37918	0.37918	0.103
6	1,2,3,4,7,8-HxCDF	33.45	2.344e6	1.999e6	1.266e5	1.053e5	1.20	NO	2.318e5	39.110	39.110	0.0936
7	1,2,3,6,7,8-HxCDF	33.58	5.397e5	4.346e5	2.929e4	2.433e4	1.20	NO	5.362e4	8.5736	8.5736	0.0937
8	Total Hexa-Furans	33.90	1.077e4	8.461e3	5.670e2	4.888e2	1.16	NO	1.056e3	0.18077	0.18077	0.103
9	2,3,4,6,7,8-HxCDF	34.26	1.304e5	1.123e5	8.740e3	7.094e3	1.23	NO	1.583e4	2.7328	2.7328	0.105
10	1,2,3,7,8,9-HxCDF	35.25	9.585e4	9.012e4	2.319e3	2.112e3	1.10	NO	4.431e3	0.86164	0.86164	0.128
11	Total Hexa-Furans	35.27	1.348e5	1.152e5	6.971e3	5.984e3	1.16	NO	1.295e4	2.2180	2.2180	0.103

Dataset: U:\VG12.PRO\Results\201214R1\201214R1_10.qld

Last Altered: Tuesday, December 15, 2020 12:39:12 PM Pacific Standard Time
 Printed: Tuesday, December 15, 2020 12:39:32 PM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Inj	Resp	Conc	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.81	9.334e5	9.436e5	6.522e4	6.540e4	1.00	NO	1.306e5	32.024	32.024	0.206
2	Total Hepta-Furans	37.28	1.199e4	1.167e4	1.303e3	1.097e3	1.19	NO	2.400e3	0.64692	0.64692	0.208
3	Total Hepta-Furans	37.53	1.128e6	1.151e6	8.092e4	8.131e4	1.00	NO	1.622e5	43.730	43.730	0.208
4	1,2,3,4,7,8,9-HpCDF	38.83	2.012e5	1.944e5	1.198e4	1.200e4	1.00	NO	2.398e4	6.4043	6.4043	0.189

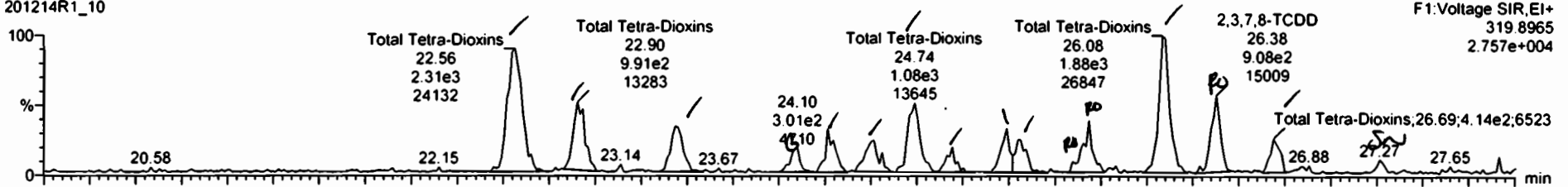
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

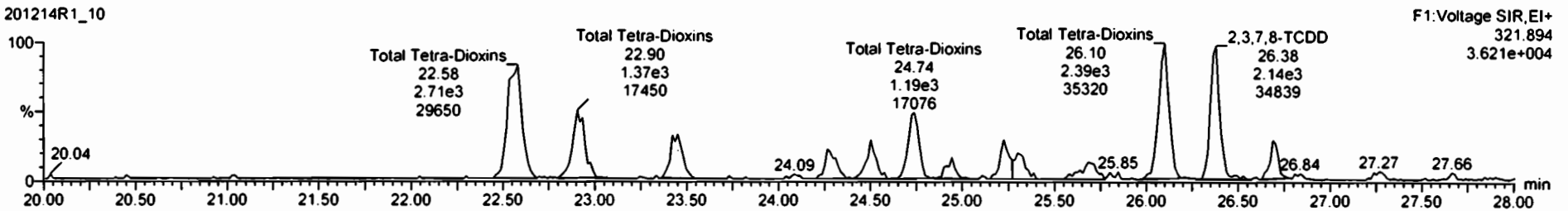
Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

2,3,7,8-TCDD

201214R1_10



201214R1_10

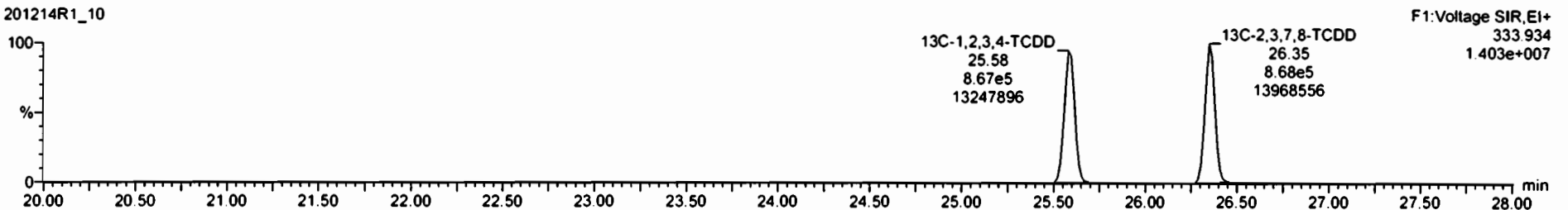


13C-2,3,7,8-TCDD

201214R1_10

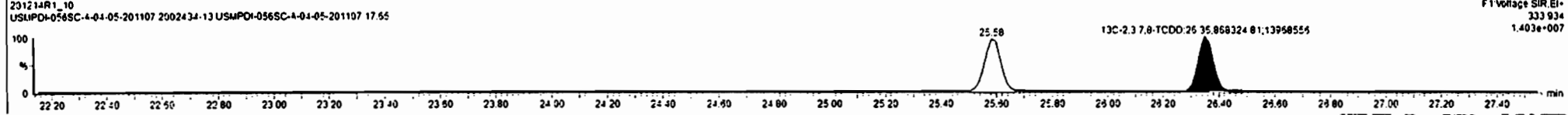
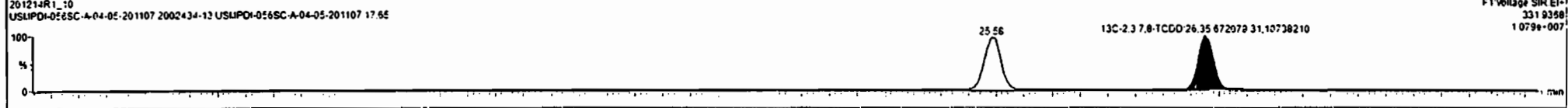
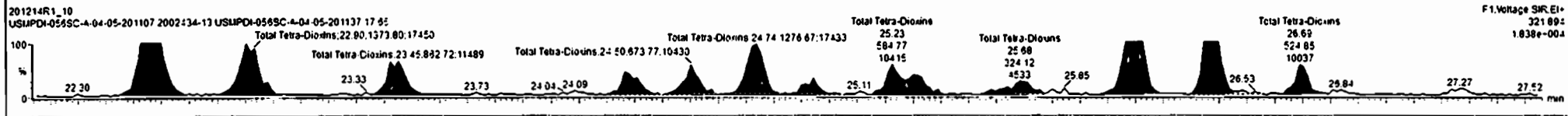
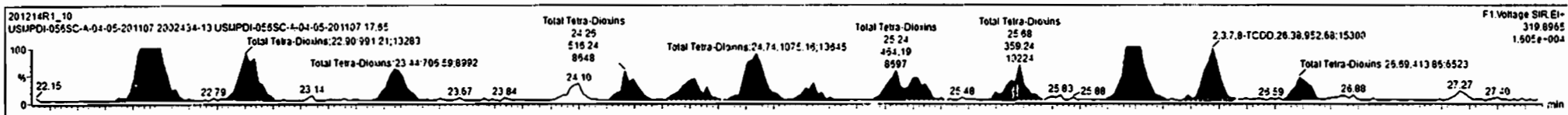


201214R1_10



Item	Name	Resp	RA	nY	RF	wt/wt	RT	QRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.8605	18.171			2.80		0.0253	3.29

Item	Name	RT	mt Resp	nQ Resp	RA	nY	EMPC	Conc
1	Total Tetra-Dioxins	22.58	2.308e3	2.707e3	0.85	HO	0.65253	0.65293
2	Total Tetra-Dioxins	22.90	8.912e2	1.374e3	0.72	HO	0.35791	0.35791
3	Total Tetra-Dioxins	23.44	7.066e2	8.627e2	0.82	HO	0.25431	0.25431
4	Total Tetra-Dioxins	24.26	5.162e2	6.157e2	0.84	HO	0.14727	0.14737
5	Total Tetra-Dioxins	24.52	5.659e2	6.738e2	0.85	HO	0.16191	0.16191
6	Total Tetra-Dioxins	24.74	1.675e3	1.277e3	0.84	HO	0.30619	0.30619
7	Total Tetra-Dioxins	24.94	2.931e2	3.451e2	0.85	HO	0.063087	0.063087
8	Total Tetra-Dioxins	25.24	4.642e2	5.848e2	0.79	HO	0.13657	0.13657
9	Total Tetra-Dioxins	25.70	4.588e2	5.184e2	0.86	HO	0.12672	0.12672
10	Total Tetra-Dioxins	25.85	2.867e2	1.514e2	1.90	YES	0.034899	0.03500
11	Total Tetra-Dioxins	25.88	3.582e2	3.241e2	1.11	YES	0.074659	0.07500
12	Total Tetra-Dioxins	25.88	1.876e3	2.391e3	0.76	HO	0.55555	0.55555
13	2,3,7,8-TCDD	26.38	6.527e2	2.673e2	0.46	YES	0.28511	0.00000
14	Total Tetra-Dioxins	26.69	4.139e2	5.249e2	0.79	HO	0.12221	0.12221



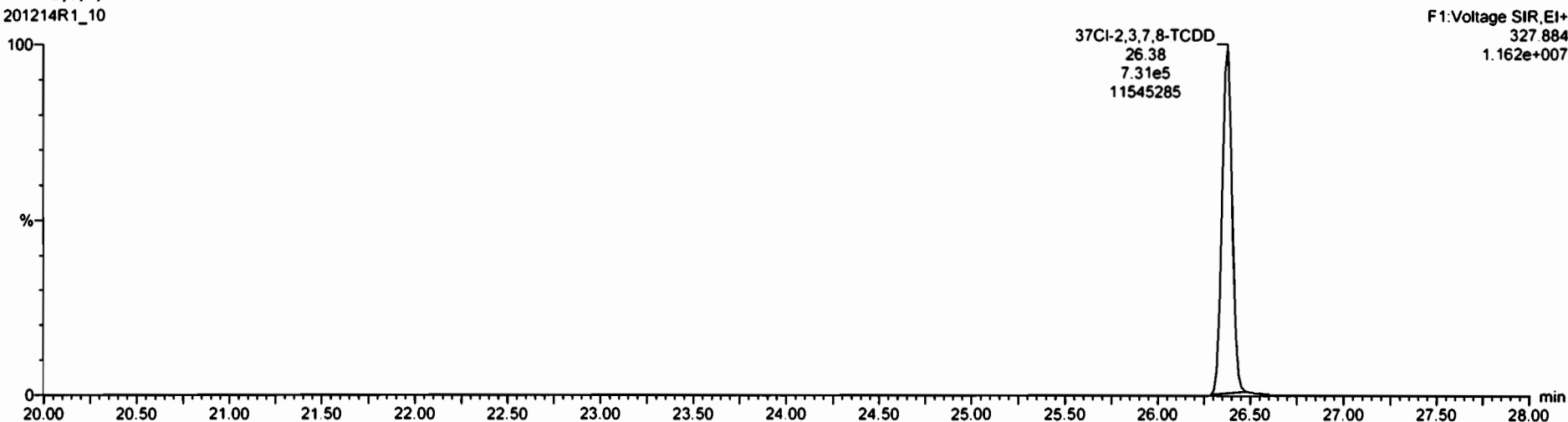
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

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

201214R1_10

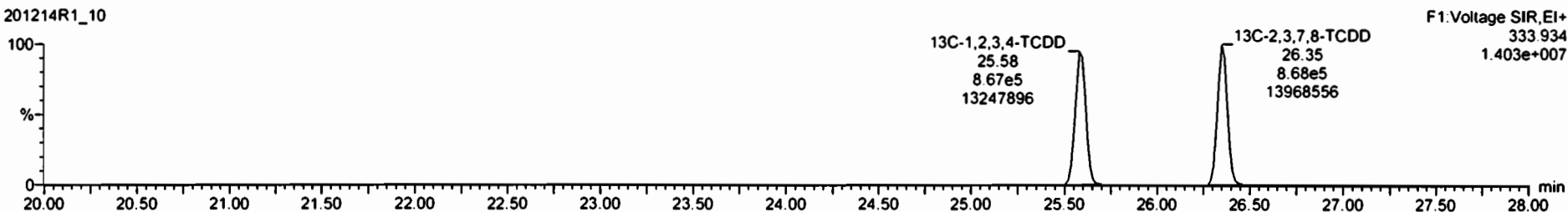


13C-1,2,3,4-TCDD

201214R1_10



201214R1_10

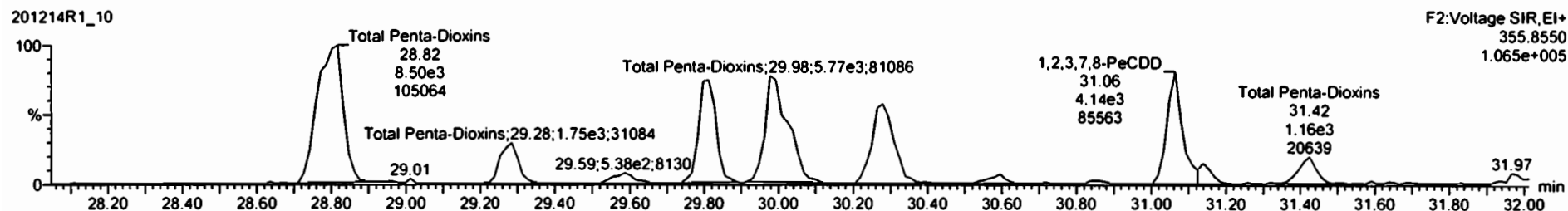
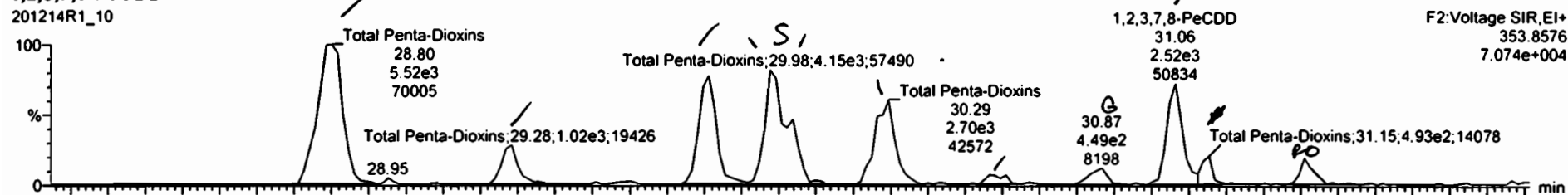


Dataset: Untitled

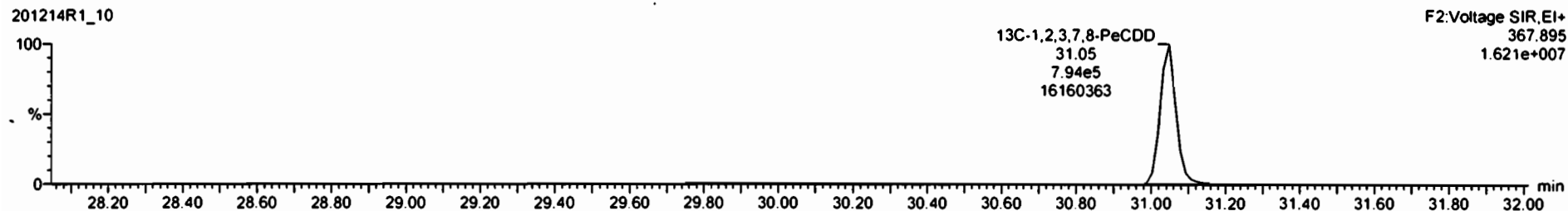
Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

1,2,3,7,8-PeCDD

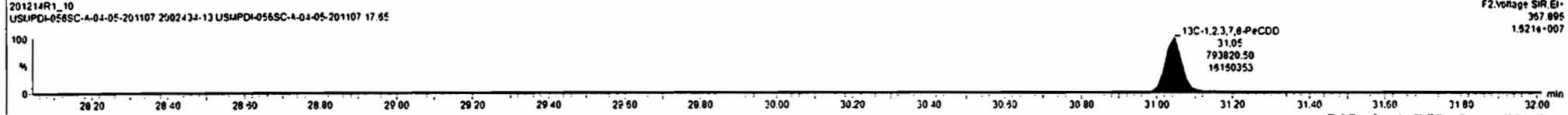
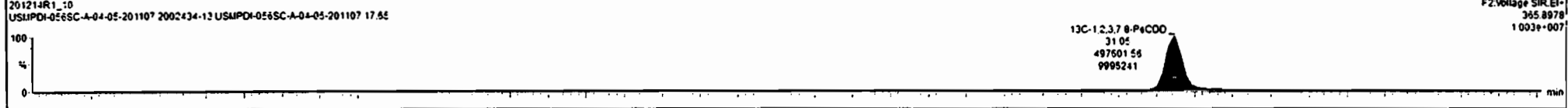


13C-1,2,3,7,8-PeCDD



Name	Resp	RA	n/y	RRF	wt/wt	RT	QRT	Conc.	%Rec	DL	EUPC
39 Total Tetra-Dioxins				0.5805	10.171			2.80		0.0253	3.20

Name	RT	m1 Resp	m2 Resp	RA	n/y	EUPC	Conc.
1 Total Penta-Dioxins	28.20	5.518e2	8.497e2	0.65	IND	2.7890	2.2898
2 Total Penta-Dioxins	29.28	1.021e2	1.753e2	0.58	IND	0.45310	0.45310
3 Total Penta-Dioxins	29.81	3.062e2	4.335e2	0.71	IND	1.2084	1.2084
4 Total Penta-Dioxins	29.96	2.475e2	3.080e2	0.69	IND	0.93101	0.00000
5 Total Penta-Dioxins	30.34	1.585e2	2.229e2	0.70	IND	0.61952	0.61992
6 Total Penta-Dioxins	30.29	2.705e2	4.217e2	0.64	IND	1.1310	1.1310
7 Total Penta-Dioxins	30.91	2.966e2	4.239e2	0.67	IND	0.11590	0.11590
8 1,2,3,7,8-PeCDD	31.06	2.516e2	4.142e2	0.61	IND	1.0878	1.0878
9 Total Penta-Dioxins	31.15	4.007e2	6.876e2	0.87	IND	0.18753	0.18753
10 Total Penta-Dioxins	31.41	5.590e2	1.007e2	0.52	YES	0.23580	0.00000

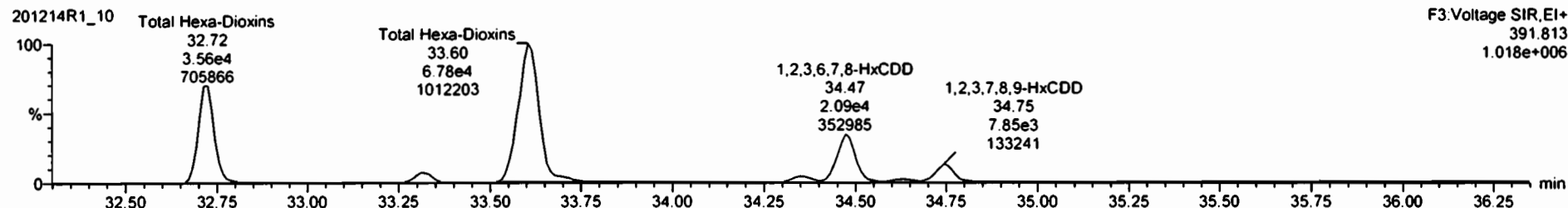
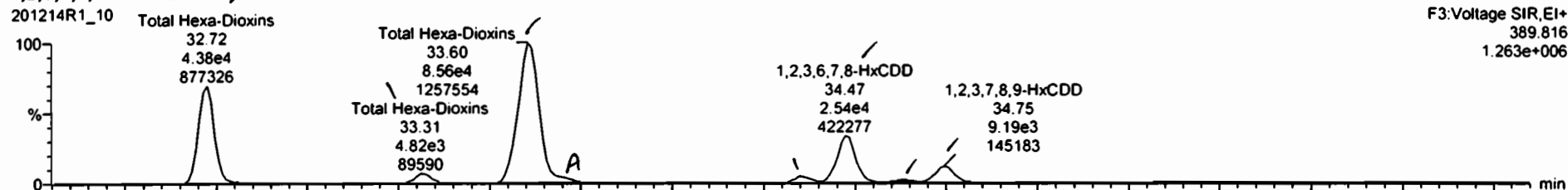


Dataset: Untitled

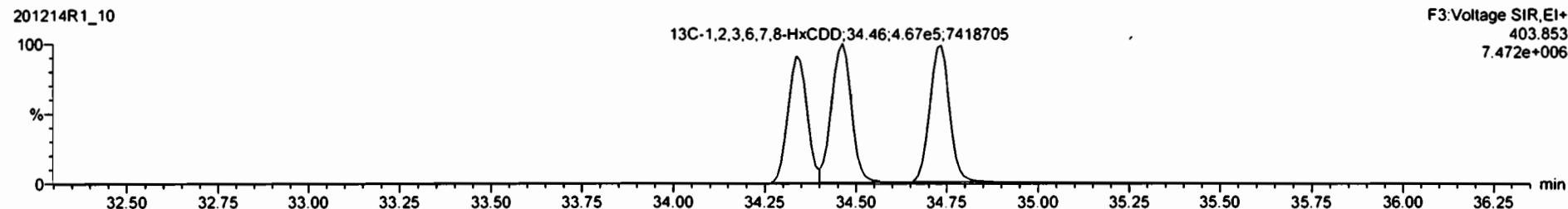
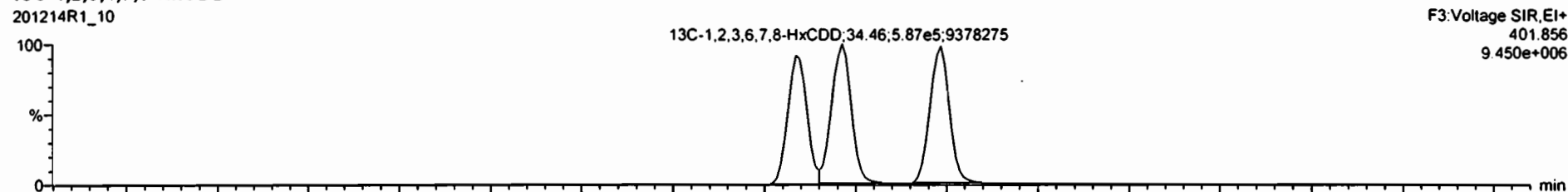
Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

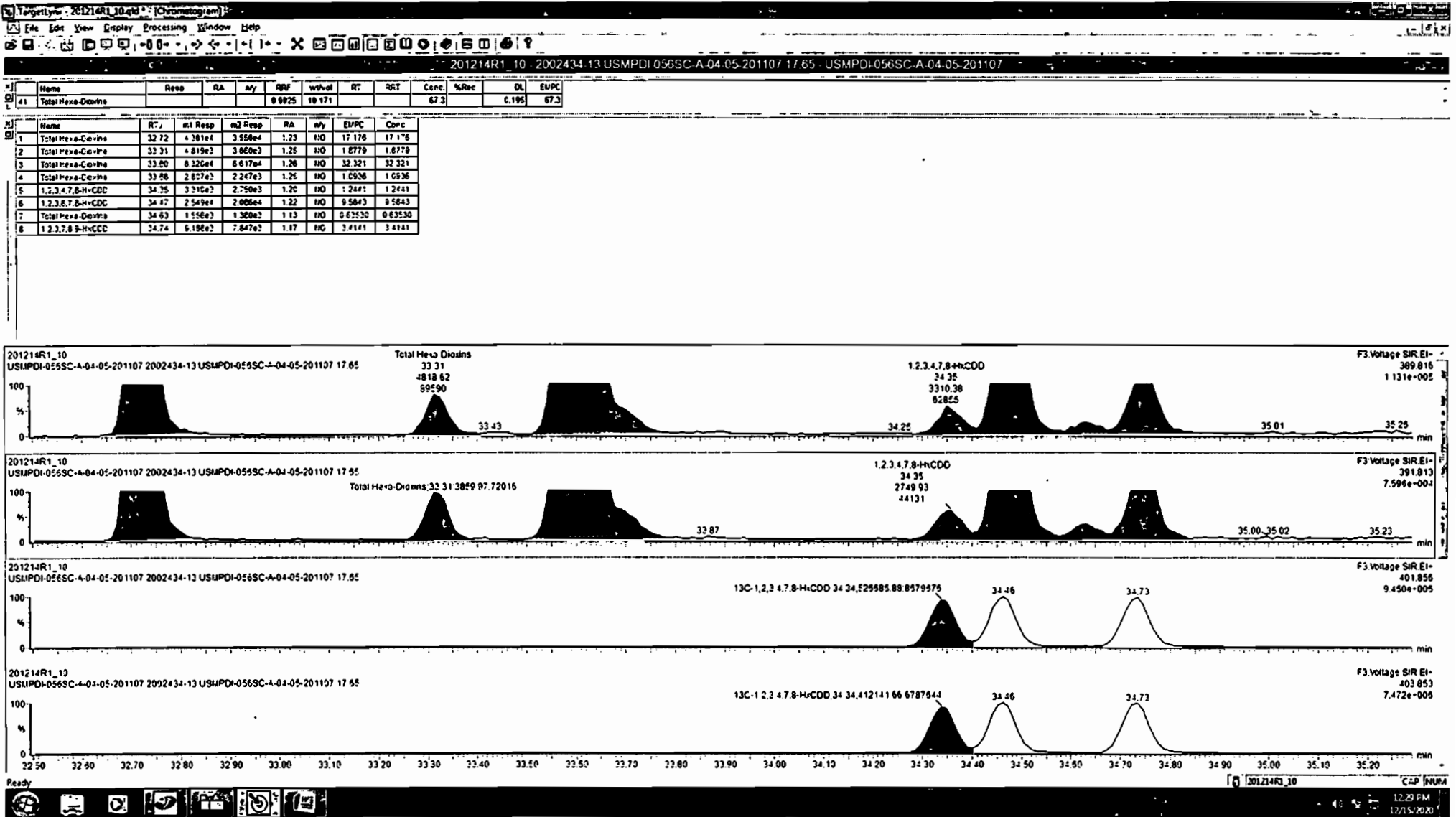
Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

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



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





Dataset: Untitled

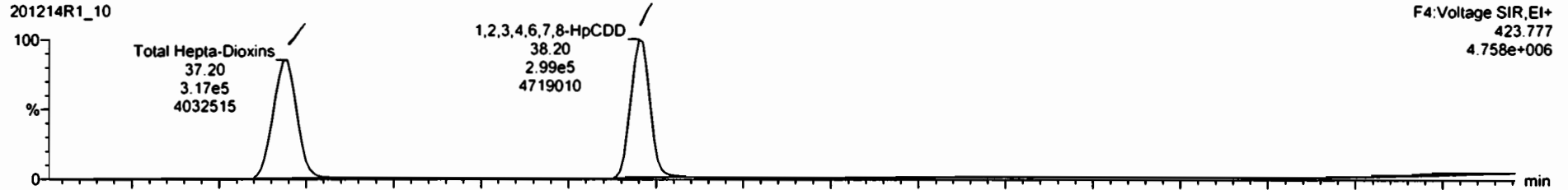
Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time

Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

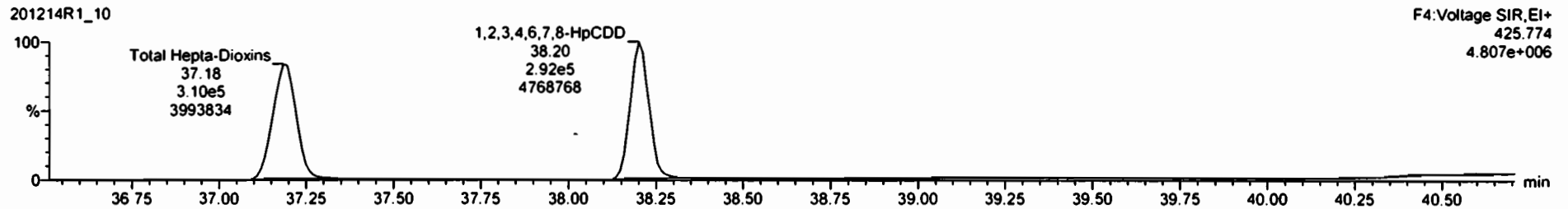
Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

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

201214R1_10

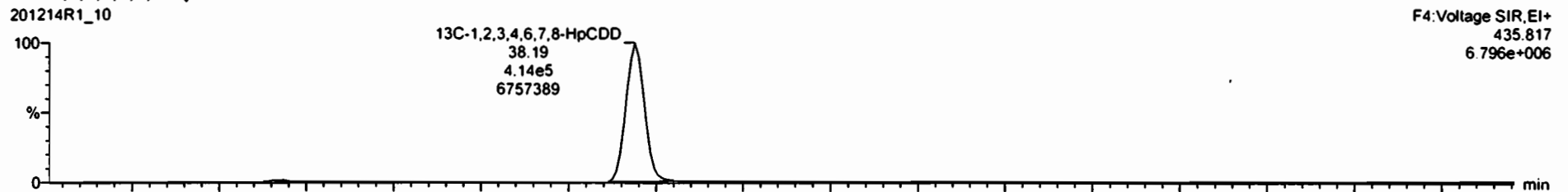


201214R1_10

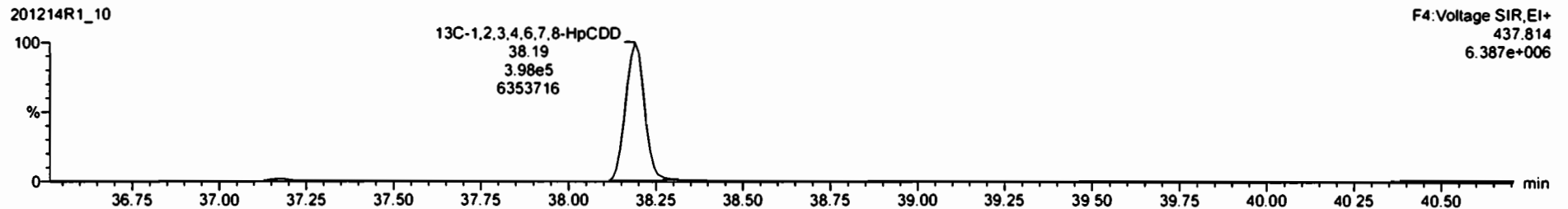


13C-1,2,3,4,6,7,8-HpCDD

201214R1_10



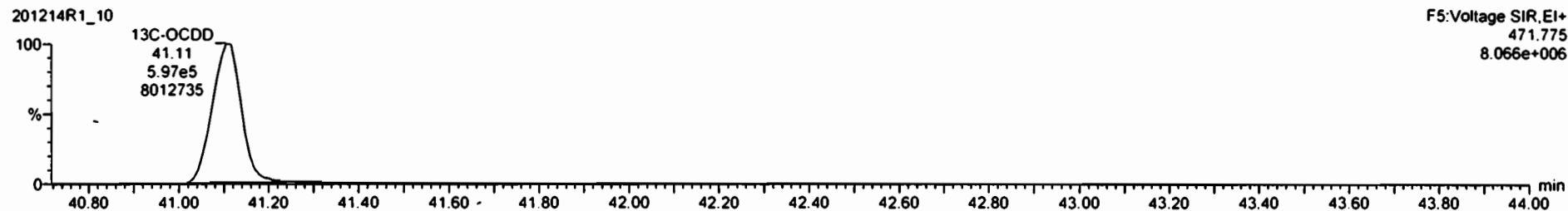
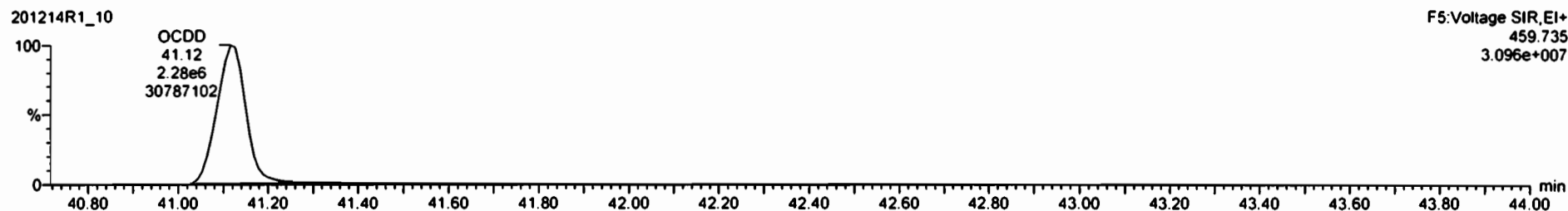
201214R1_10



Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

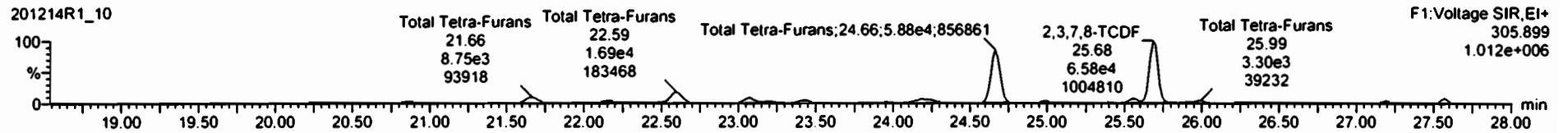
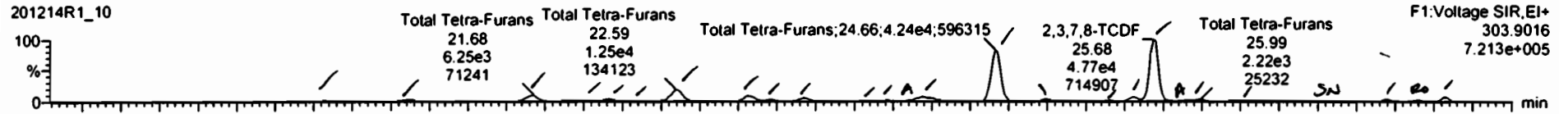


Dataset: Untitled

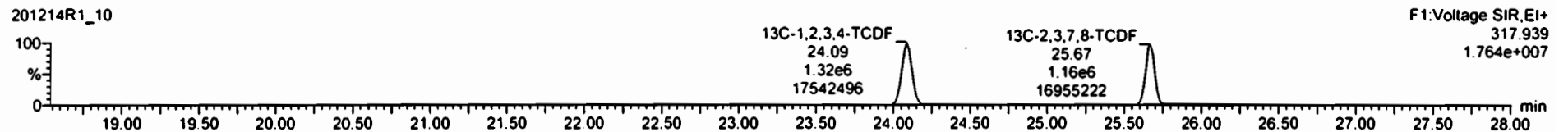
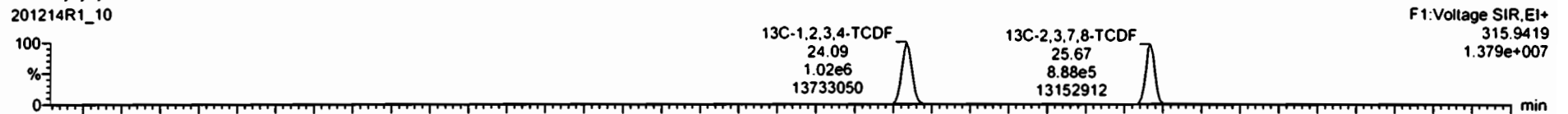
Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

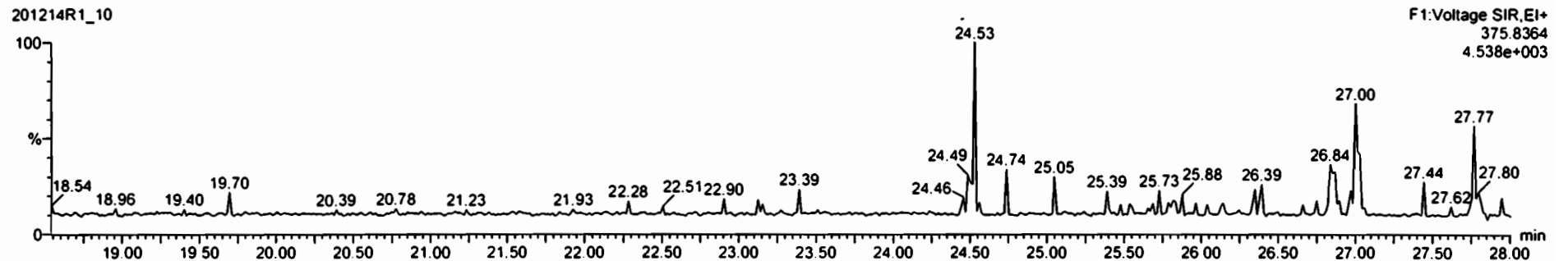
2,3,7,8-TCDF



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

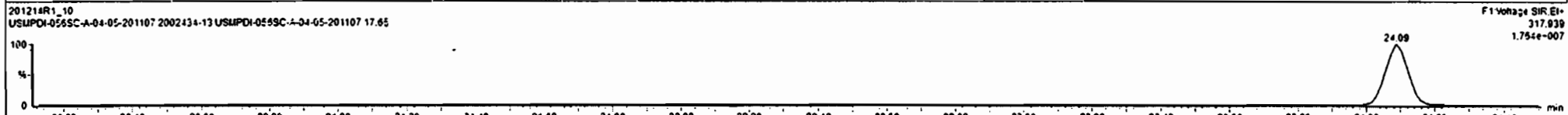
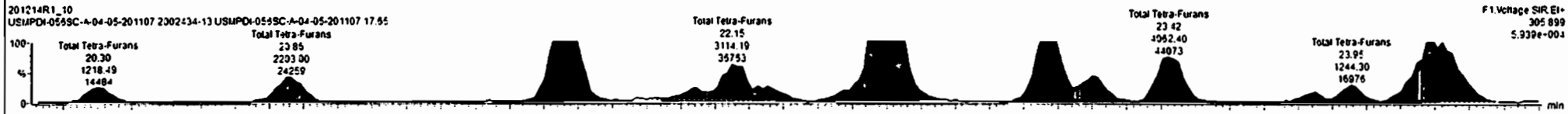
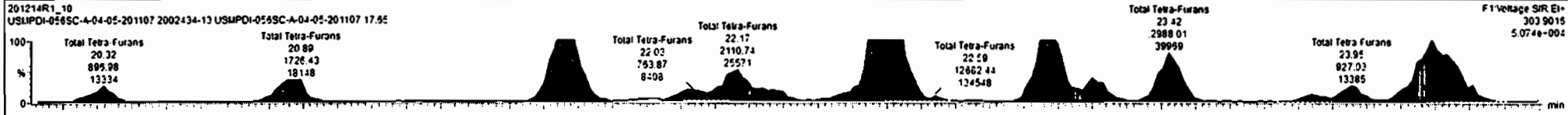


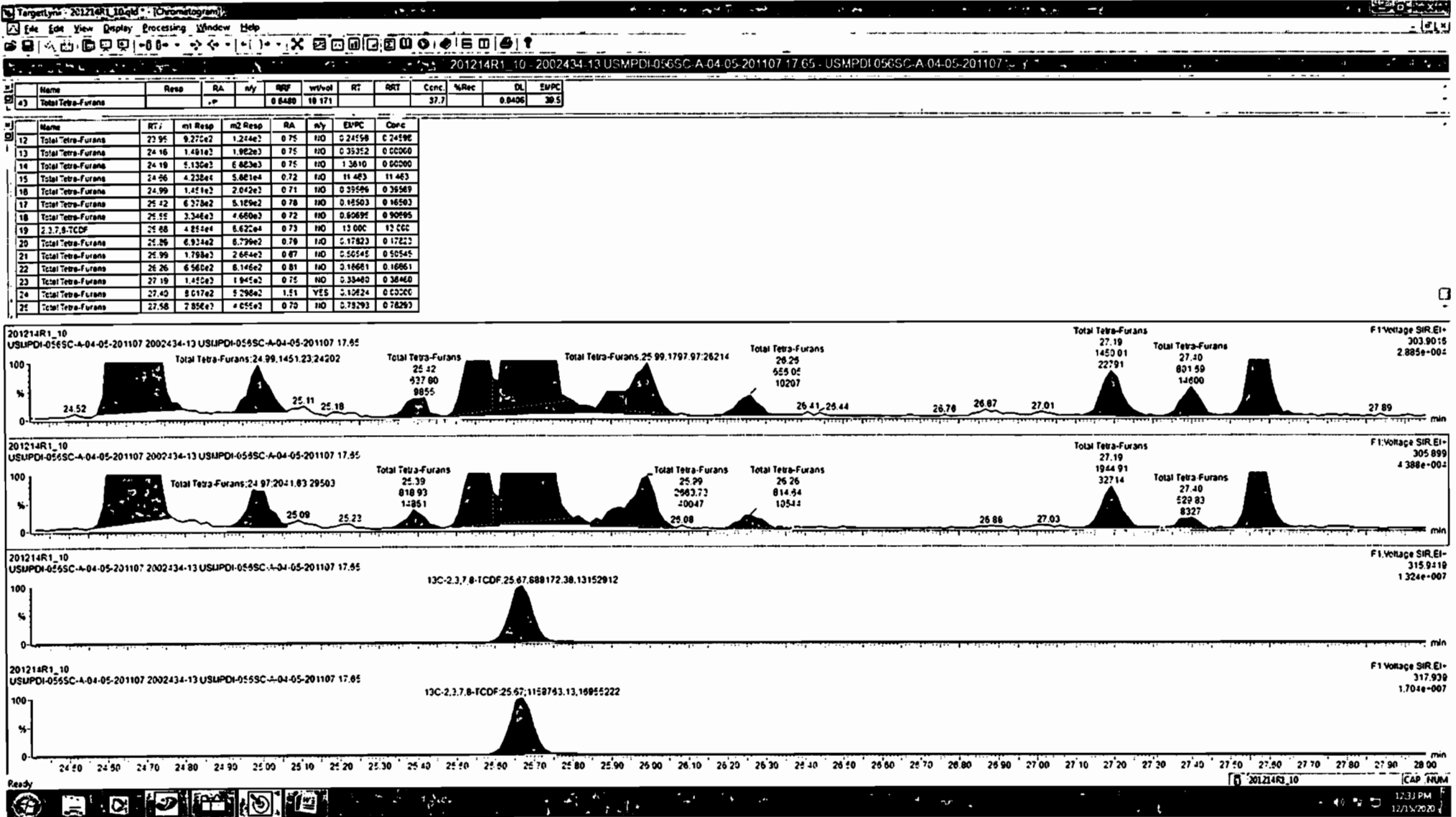
DPE1



Name	Resp	RA	n/y	RF	wt/wt	RT	RRT	Conc.	%Rec	DL	EUPC
43 Total Tetra-Furans				0.8480	10.171			37.2		0.0496	39.2

Name	RT	wt Resp	nQ Resp	RA	n/y	EUPC	Conc
1 Total Tetra-Furans	20.32	8.57e2	1.218e3	0.74	NO	5.239E5	0.23565
2 Total Tetra-Furans	20.89	1.72e3	2.203e3	0.78	NO	0.44515	0.44515
3 Total Tetra-Furans	21.98	6.25e2	8.746e3	0.71	NO	1.8903	1.6653
4 Total Tetra-Furans	22.03	7.65e2	1.809e3	0.76	NO	5.25083	0.25083
5 Total Tetra-Furans	22.17	2.11e3	3.114e3	0.68	NO	0.59191	0.59191
6 Total Tetra-Furans	22.24	5.14e2	1.228e3	0.75	NO	0.24276	0.24276
7 Total Tetra-Furans	22.59	1.262e4	1.686e4	0.75	NO	3.3472	3.3472
8 Total Tetra-Furans	23.07	5.37e2	6.79e3	0.79	NO	1.3766	1.3766
9 Total Tetra-Furans	23.20	1.414e2	2.021e3	0.68	NO	0.39188	0.39188
10 Total Tetra-Furans	23.42	3.98e3	4.062e3	0.74	NO	0.79871	0.79871
11 Total Tetra-Furans	23.84	4.87e2	7.122e2	0.68	NO	0.13592	0.13592
12 Total Tetra-Furans	23.95	9.27e2	1.244e3	0.75	NO	0.24593	0.24593
13 Total Tetra-Furans	24.16	1.491e2	1.642e3	0.75	NO	0.39252	0.39252
14 Total Tetra-Furans	24.19	5.13e2	6.882e3	0.75	NO	1.3610	0.00000





Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

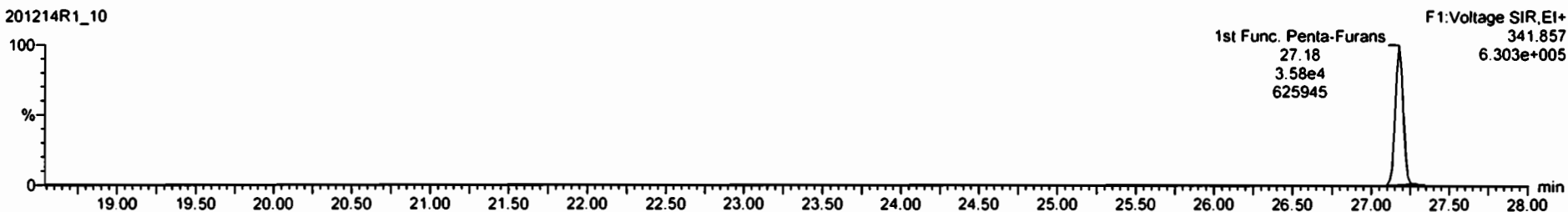
Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

1st Func. Penta-Furans

201214R1_10

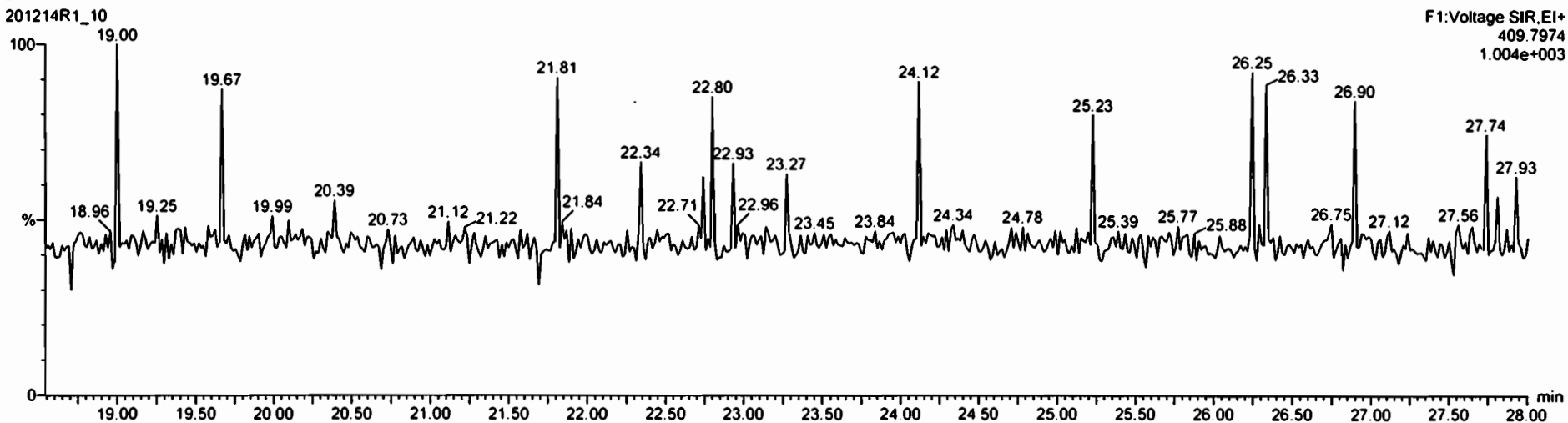


201214R1_10



DPE6

201214R1_10

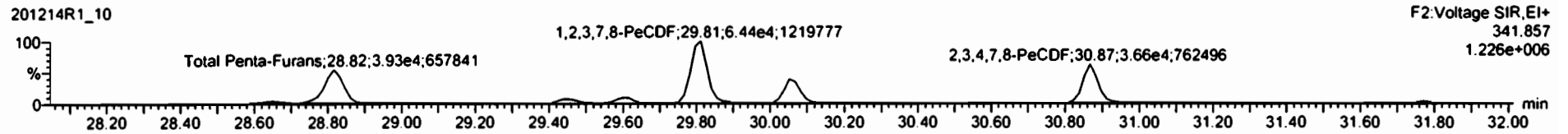
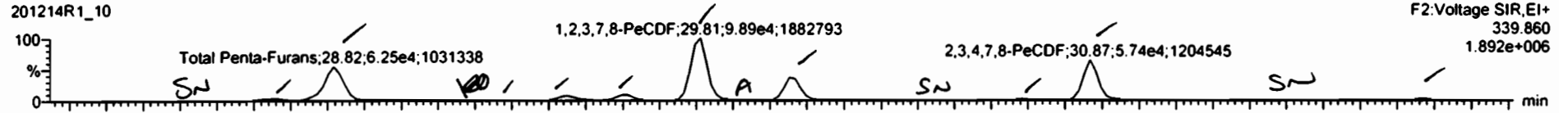


Dataset: Untitled

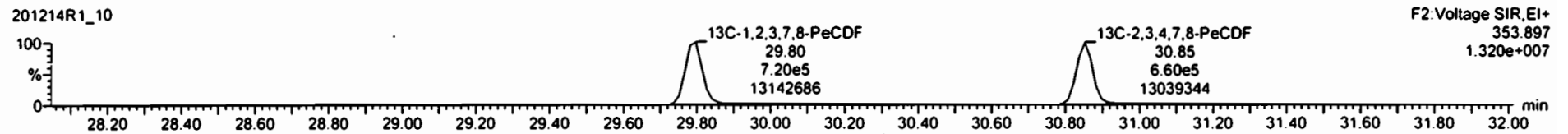
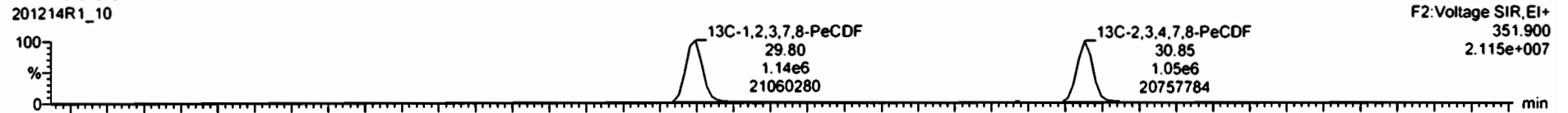
Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

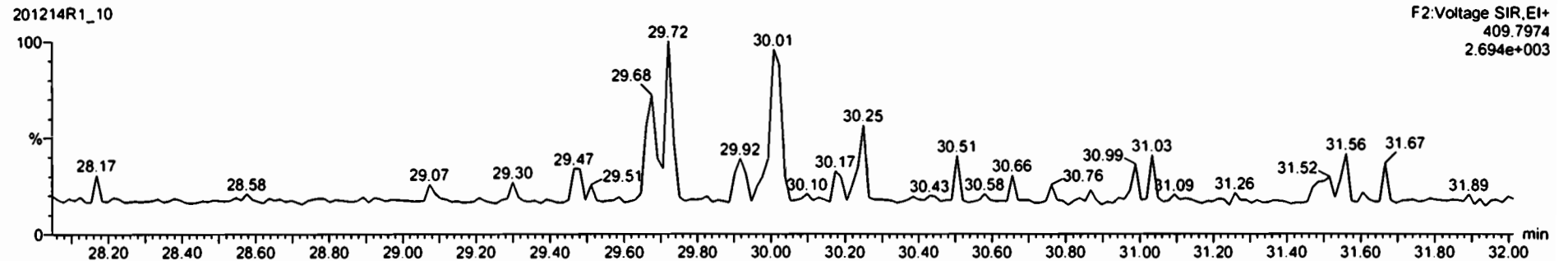
1,2,3,7,8-PeCDF

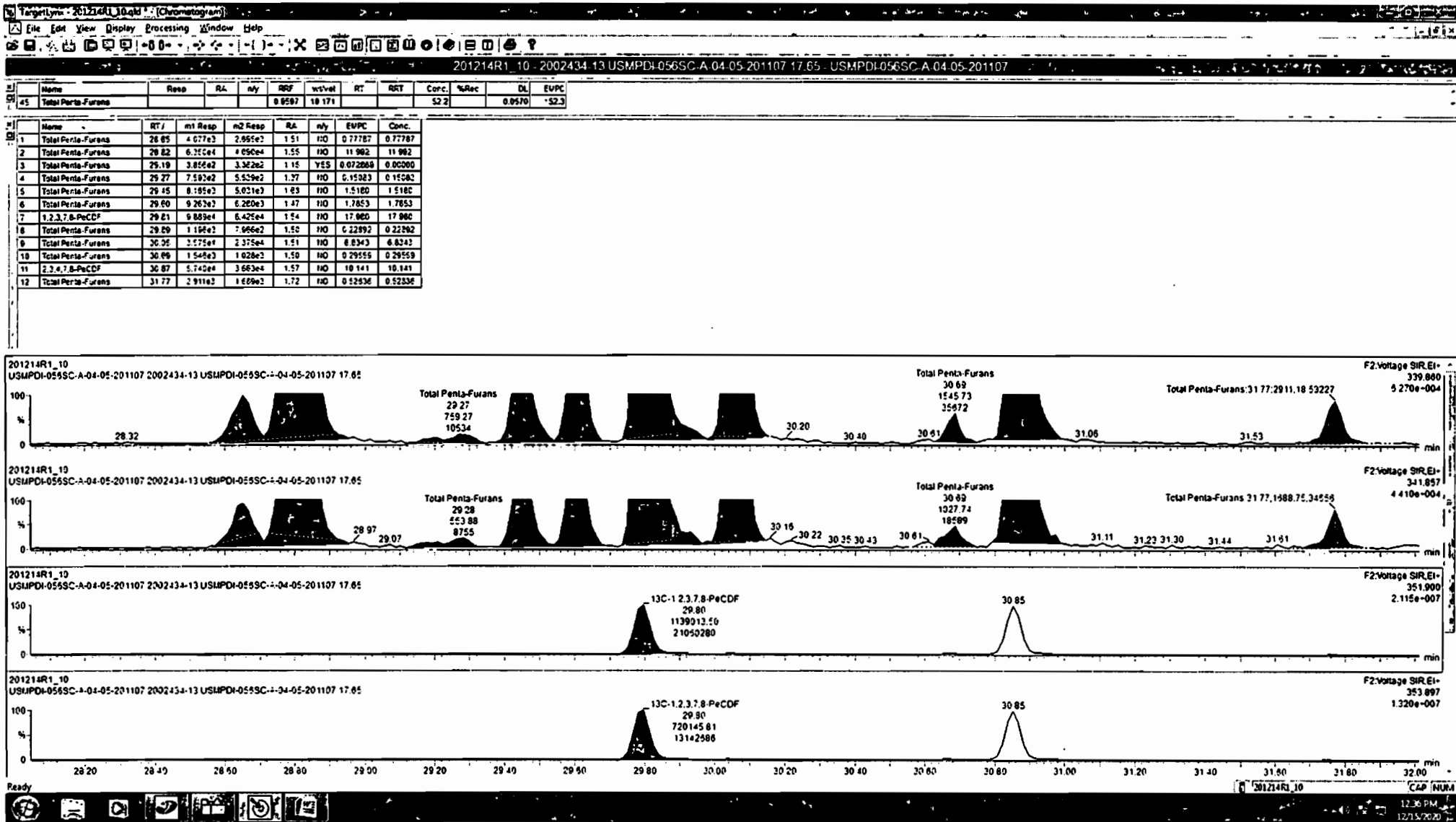


13C-1,2,3,7,8-PeCDF



DPE2



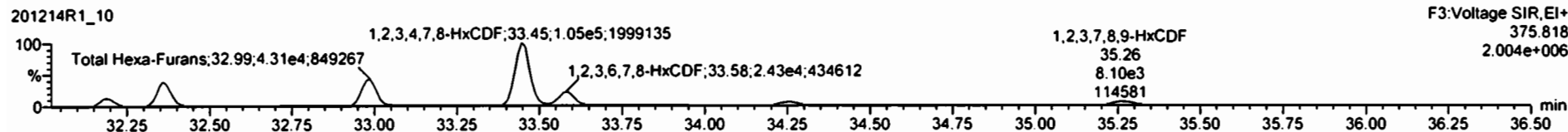
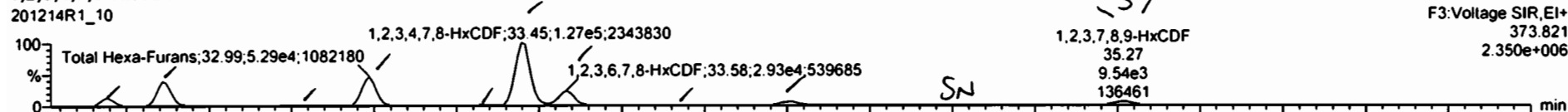


Dataset: Untitled

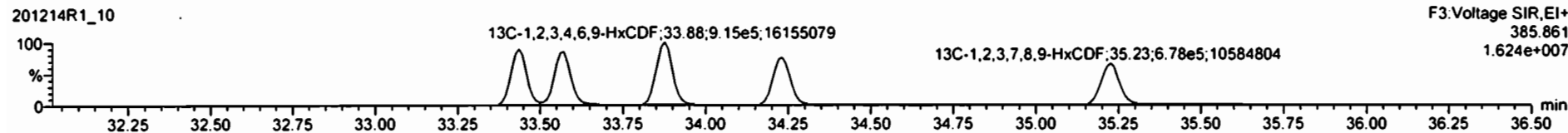
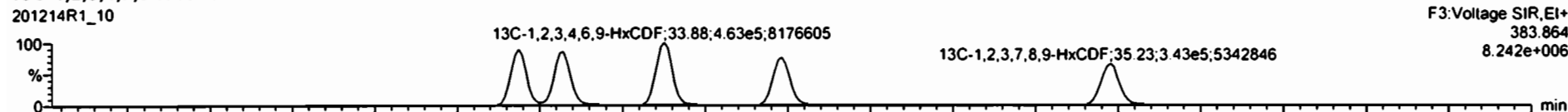
Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

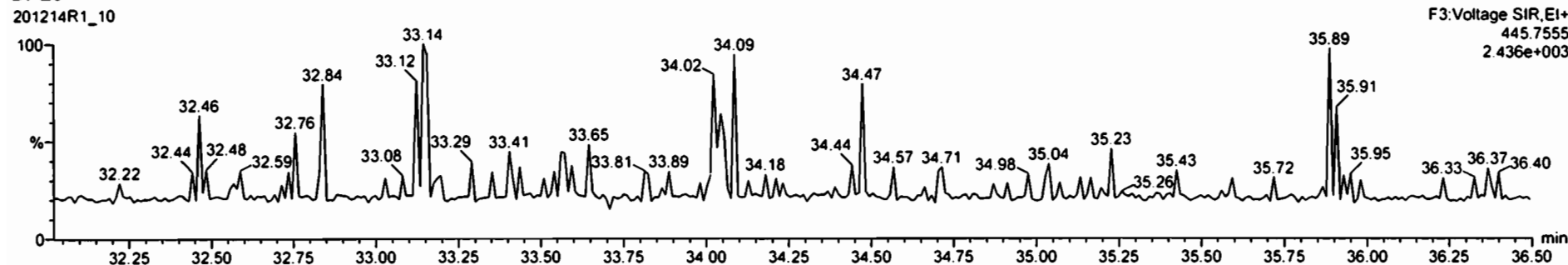
1,2,3,4,7,8-HxCDF



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

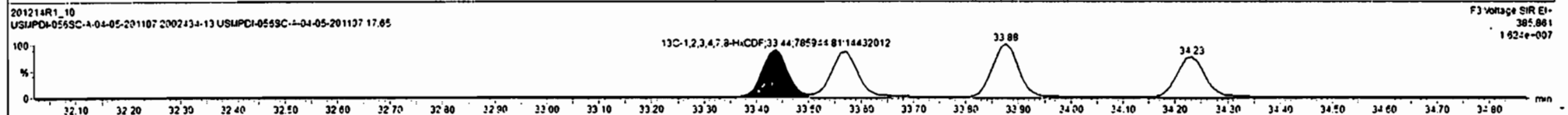
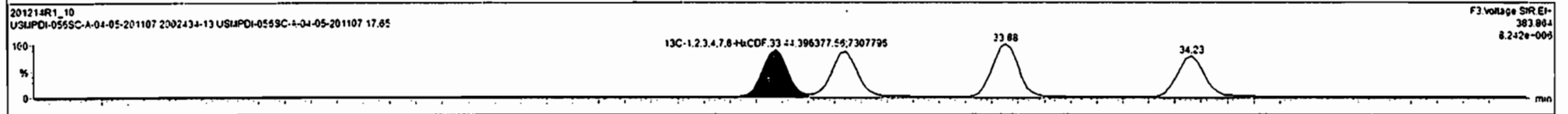
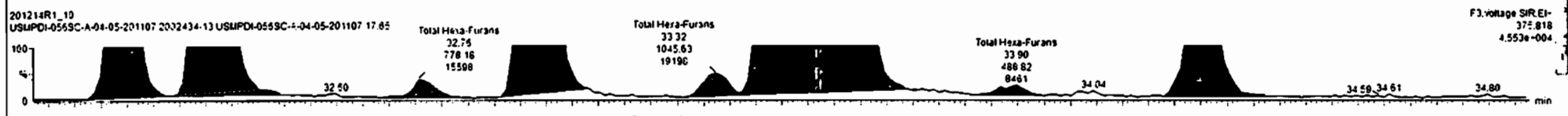
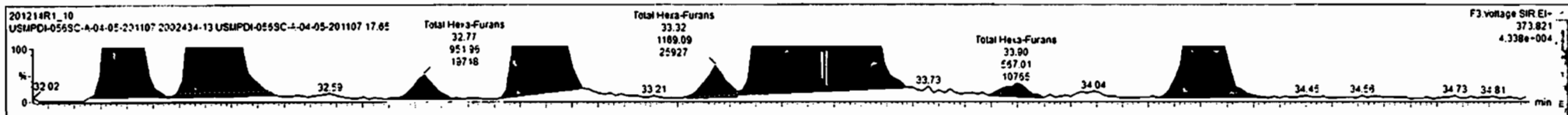


DPE3



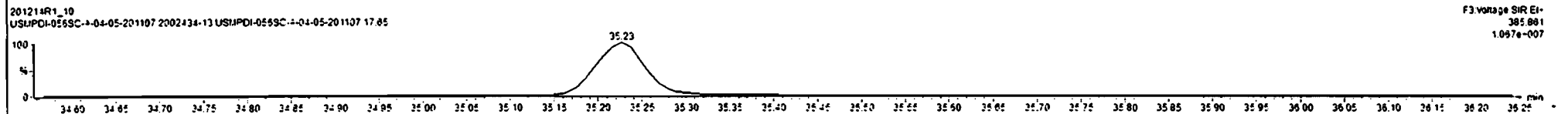
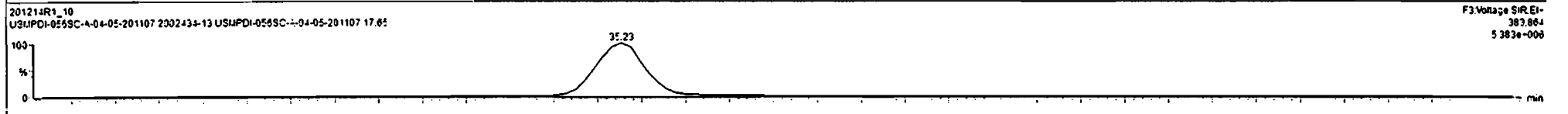
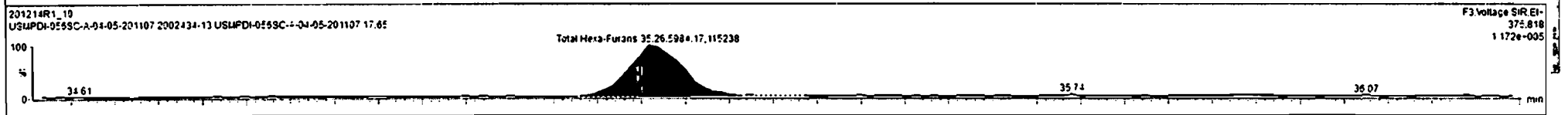
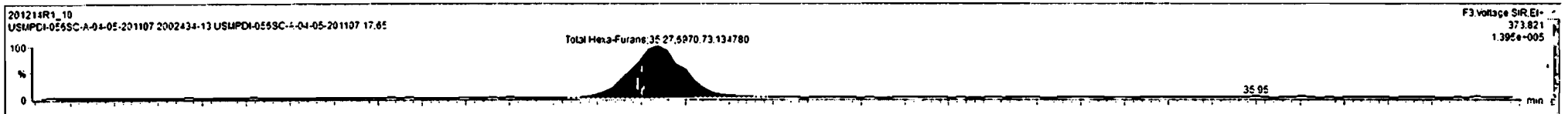
#	Name	Resp	RA	n/y	RRF	wtVal	RT	RRT	Conc.	%Rec	DL	EMPC
45	Total Hexa-Furans				0.9597	10.171			52.2		0.0570	52.3

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Hexa-Furans	32.19	1.478e4	1.262e4	1.17	NO	4.6913	4.6613
2	Total Hexa-Furans	32.38	4.683e4	3.845e4	1.22	NO	14.601	14.601
3	Total Hexa-Furans	32.77	9.520e2	7.722e2	1.22	NO	0.29621	0.29621
4	Total Hexa-Furans	32.99	5.296e2	4.314e2	1.23	NO	16.425	16.425
5	Total Hexa-Furans	33.32	1.169e2	1.046e2	1.12	NO	0.37818	0.37818
6	1,2,3,4,7,8-HxCDF	33.45	1.266e5	1.053e5	1.20	NO	39.110	39.110
7	1,2,3,6,7,8-HxCDF	33.58	2.929e4	2.432e4	1.20	NO	8.5736	8.5736
8	Total Hexa-Furans	33.90	5.675e2	4.668e2	1.16	NO	0.12077	0.12077
9	2,3,4,6,7,8-HxCDF	34.26	8.745e2	7.094e2	1.23	NO	2.7328	2.7328
10	1,2,3,7,8,9-HxCDF	35.27	9.538e2	8.101e2	1.18	NO	3.4302	3.4302



Name	Resp	RA	nY	RRF	wVal	RT	QRT	Conc.	%Rec	DL	EUPC
#5 Total Penta-Furans				0.8587	10.171			52.2		0.0570	52.2

Name	RT	m1 Resp	m2 Resp	RA	nY	EUPC	Conc
1 Total Hexa-Furans	32.19	1.478e4	1.282e4	1.17	HO	4.6913	4.6913
2 Total Hexa-Furans	32.36	4.683e4	3.845e4	1.22	HO	14.601	14.601
3 Total Hexa-Furans	32.77	9.535e4	7.722e4	1.22	HO	0.29621	0.29621
4 Total Hexa-Furans	32.99	5.295e4	4.314e4	1.23	HO	16.425	16.425
5 Total Hexa-Furans	33.32	1.165e3	1.046e3	1.12	HO	0.37918	0.37918
6 1,2,3,4,7,8-HxCDF	33.45	1.266e5	1.053e5	1.26	HO	39.110	39.110
7 1,2,3,6,7,8-HxCDF	33.58	2.929e4	2.433e4	1.20	HO	6.5736	6.5736
8 Total Hexa-Furans	33.90	5.675e2	4.888e2	1.16	HO	0.16277	0.16277
9 2,3,4,6,7,8-HxCDF	34.26	8.745e3	7.094e3	1.23	HO	2.7328	2.7328
10 1,2,3,7,8,9-HxCDF	35.25	2.319e3	2.112e3	1.10	HO	0.86164	0.86164
11 Total Hexa-Furans	35.27	6.971e3	5.964e3	1.16	HO	2.2180	2.2180

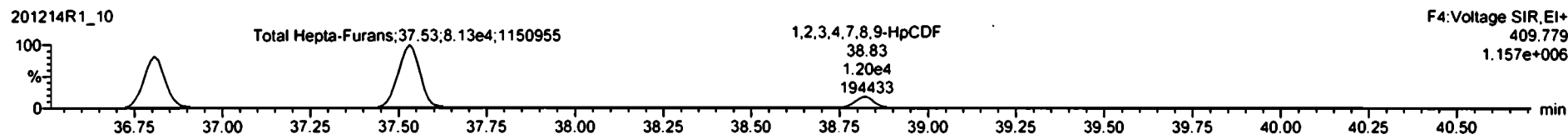
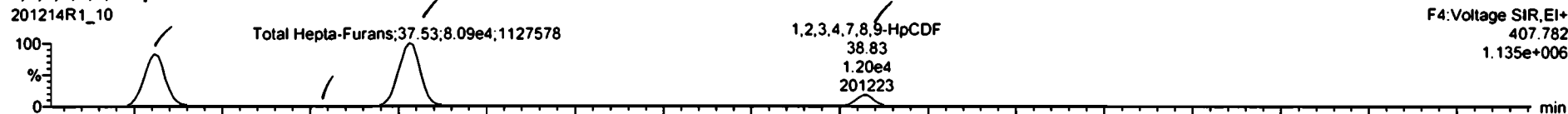


Dataset: Untitled

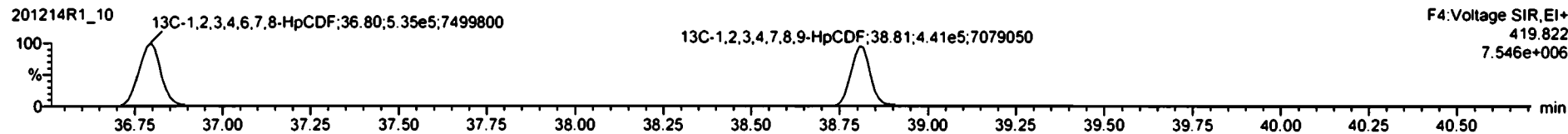
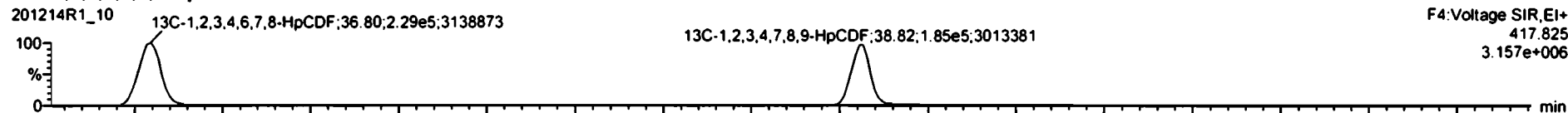
Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107

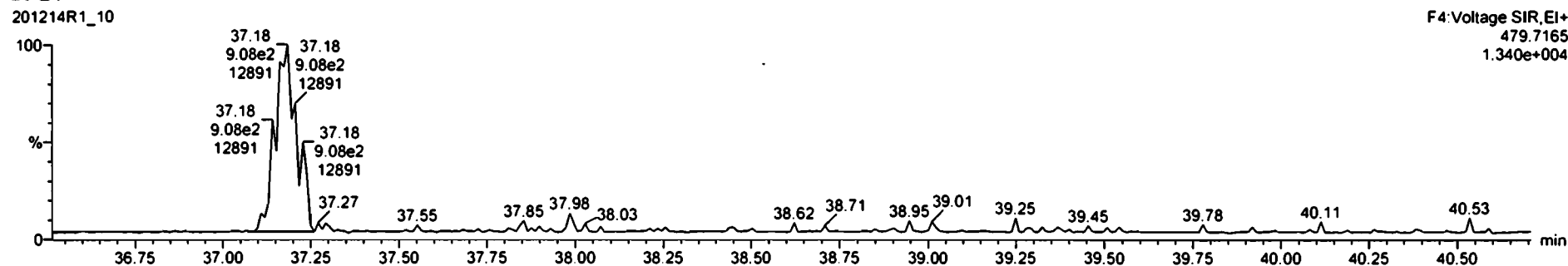
1,2,3,4,6,7,8-HpCDF



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

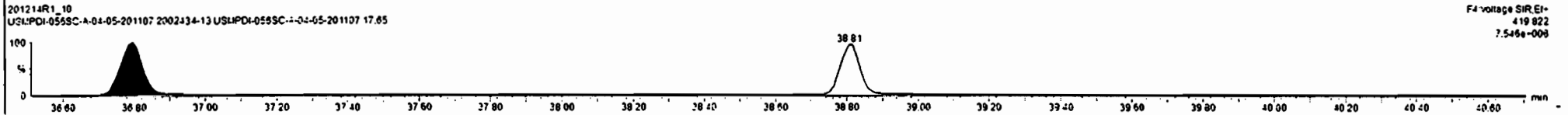
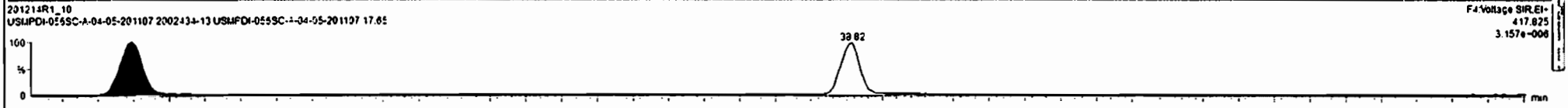
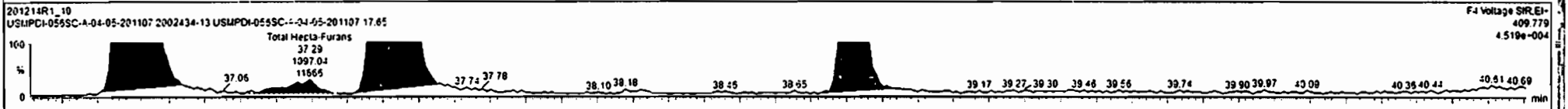
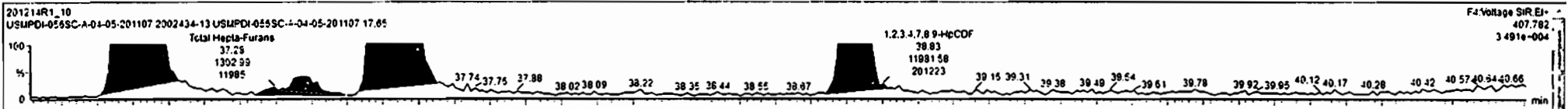


DPE4



Name	Res	RA	nY	RF	wtVal	RT	RRT	Conc.	%Rec	DL	E/PC
47	Total Hepta-Furans			1.0482	18.171			82.8		0.208	82.8

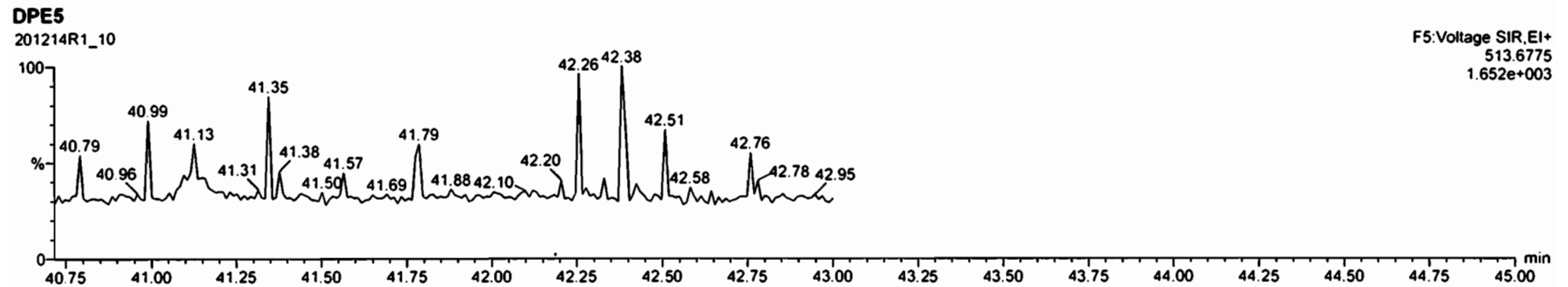
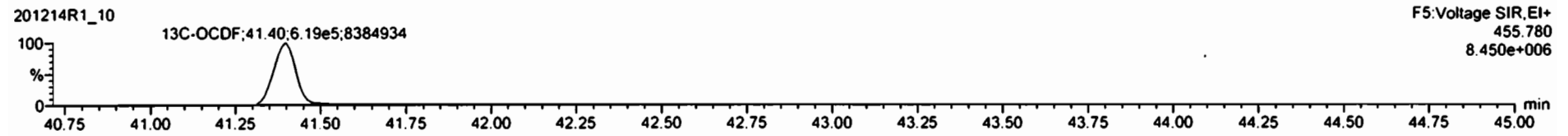
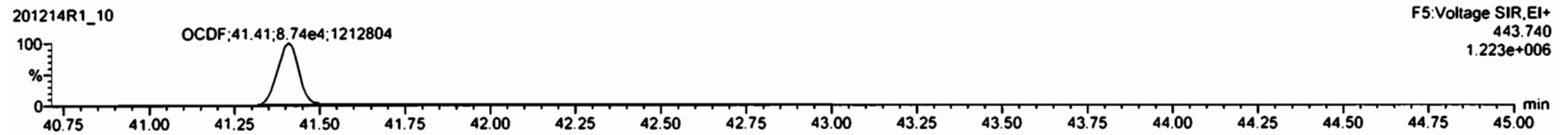
Name	RT:1	int Resp	n2 Resp	RA	nY	E/PC	Conc.
1	1.23.4.7.8-MpCDF	36.81	0.522e4	5.540e4	1.00	110	32.024
2	Total Hepta-Furans	37.26	1.303e2	1.097e2	1.18	110	0.64652
3	Total Hepta-Furans	37.53	8.692e4	8.131e4	1.00	110	43.730
4	1.23.4.7.8-MpCDF	38.83	1.183e4	1.200e4	1.00	110	6.4043



Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

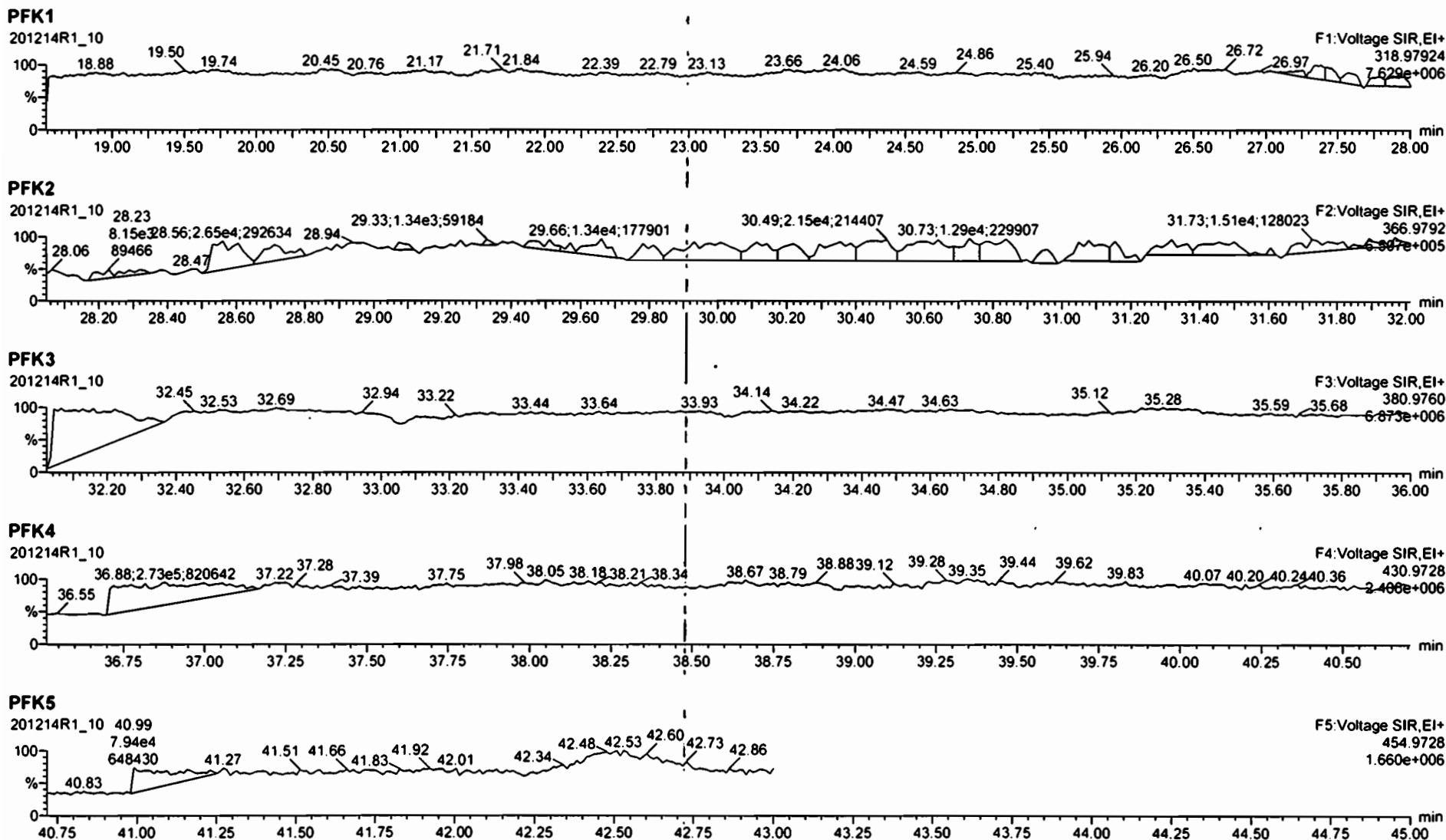
Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107



Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 6:59:17 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 7:04:33 AM Pacific Standard Time

Name: 201214R1_10, Date: 14-Dec-2020, Time: 17:37:57, ID: 2002434-13 USMPDI-056SC-A-04-05-201107 17.65, Description: USMPDI-056SC-A-04-05-201107



CONTINUING CALIBRATION

PARAM CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST201211R1-1

Reviewed By: GPB 12/14/2020

Initials & Date

End Calibration ID: ST201211R2-1-1A
FIN 12/12/2020

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

Mass resolution \geq

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

Intergrated peaks display correctly?

GC Break <20%

NA

8280 CS1 End Standard:

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

FIN 12/12/2020
 NA
 NA

Comments:

Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:33:15 AM Pacific Standard Time

MIN 12/14
12/14/2020
GRB 12/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	1.49e5	1.46e6	0.77	NO	0.980	26.41	26.39	NO	1.001	1.001	10.377	104	NO
2	2 1,2,3,7,8-PeCDD	5.07e5	1.02e6	0.63	NO	0.932	31.08	31.06	NO	1.001	1.000	53.406	107	NO
3	3 1,2,3,4,7,8-HxCDD	4.18e5	7.94e5	1.24	NO	1.02	34.37	34.36	NO	1.001	1.000	51.623	103	NO
4	4 1,2,3,6,7,8-HxCDD	4.20e5	8.93e5	1.24	NO	0.902	34.49	34.48	NO	1.001	1.000	52.163	104	NO
5	5 1,2,3,7,8,9-HxCDD	4.25e5	8.72e5	1.23	NO	0.954	34.75	34.76	NO	1.000	1.001	51.073	102	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.09e5	6.86e5	1.02	NO	0.918	38.20	38.21	NO	1.000	1.001	49.025	98.0	NO
7	7 OCDD	5.08e5	1.13e6	0.87	NO	0.866	41.10	41.10	NO	1.000	1.000	104.27	104	NO
8	8 2,3,7,8-TCDF	1.61e5	2.02e6	0.74	NO	0.848	25.69	25.70	NO	1.000	1.001	9.4147	94.1	NO
9	9 1,2,3,7,8-PeCDF	7.09e5	1.46e6	1.59	NO	0.960	29.80	29.81	NO	1.000	1.001	50.628	101	NO
10	10 2,3,4,7,8-PeCDF	7.52e5	1.35e6	1.56	NO	1.07	30.87	30.87	NO	1.001	1.000	52.087	104	NO
11	11 1,2,3,4,7,8-HxCDF	4.74e5	9.87e5	1.21	NO	0.986	33.45	33.46	NO	1.000	1.001	48.694	97.4	NO
12	12 1,2,3,6,7,8-HxCDF	4.93e5	9.81e5	1.20	NO	1.04	33.59	33.59	NO	1.001	1.001	48.371	96.7	NO
13	13 2,3,4,6,7,8-HxCDF	4.62e5	9.38e5	1.20	NO	1.02	34.25	34.25	NO	1.001	1.001	48.243	96.5	NO
14	14 1,2,3,7,8,9-HxCDF	4.14e5	8.60e5	1.23	NO	0.991	35.25	35.25	NO	1.000	1.000	48.590	97.2	NO
15	15 1,2,3,4,6,7,8-HpCDF	3.36e5	6.57e5	1.01	NO	1.05	36.82	36.82	NO	1.000	1.000	48.755	97.5	NO
16	16 1,2,3,4,7,8,9-HpCDF	3.12e5	5.41e5	1.00	NO	1.18	38.82	38.82	NO	1.000	1.000	49.026	98.1	NO
17	17 OCDF	5.33e5	1.20e6	0.88	NO	0.896	41.40	41.40	NO	1.000	1.000	99.034	99.0	NO
18	18 13C-2,3,7,8-TCDD	1.46e6	1.33e6	0.79	NO	1.06	26.37	26.38	NO	1.030	1.031	104.08	104	NO
19	19 13C-1,2,3,7,8-PeCDD	1.02e6	1.33e6	0.63	NO	0.785	31.21	31.05	NO	1.219	1.213	97.402	97.4	NO
20	20 13C-1,2,3,4,7,8-HxCDD	7.94e5	1.10e6	1.28	NO	0.621	34.34	34.35	NO	1.014	1.014	116.74	117	NO
21	21 13C-1,2,3,6,7,8-HxCDD	8.93e5	1.10e6	1.28	NO	0.734	34.46	34.47	NO	1.017	1.018	110.95	111	NO
22	22 13C-1,2,3,7,8,9-HxCDD	8.72e5	1.10e6	1.26	NO	0.723	34.74	34.73	NO	1.026	1.025	110.06	110	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.86e5	1.10e6	1.04	NO	0.568	38.24	38.19	NO	1.129	1.127	110.23	110	NO
24	24 13C-OCDD	1.13e6	1.10e6	0.90	NO	0.496	41.18	41.09	NO	1.216	1.213	206.99	103	NO
25	25 13C-2,3,7,8-TCDF	2.02e6	2.14e6	0.78	NO	0.919	25.67	25.68	NO	1.003	1.003	102.58	103	NO
26	26 13C-1,2,3,7,8-PeCDF	1.46e6	2.14e6	1.55	NO	0.715	29.92	29.80	NO	1.169	1.164	95.269	95.3	NO
27	27 13C-2,3,4,7,8-PeCDF	1.35e6	2.14e6	1.61	NO	0.689	31.01	30.85	NO	1.212	1.205	91.671	91.7	NO
28	28 13C-1,2,3,4,7,8-HxCDF	9.87e5	1.10e6	0.51	NO	0.873	33.44	33.44	NO	0.987	0.987	103.07	103	NO
29	29 13C-1,2,3,6,7,8-HxCDF	9.81e5	1.10e6	0.51	NO	0.933	33.57	33.57	NO	0.991	0.991	95.890	95.9	NO
30	30 13C-2,3,4,6,7,8-HxCDF	9.38e5	1.10e6	0.50	NO	0.843	34.24	34.23	NO	1.011	1.011	101.49	101	NO
31	31 13C-1,2,3,7,8,9-HxCDF	8.60e5	1.10e6	0.51	NO	0.780	35.24	35.24	NO	1.040	1.040	100.64	101	NO

Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:33:15 AM Pacific Standard Time

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	13C-1,2,3,4,6,7,8-HpCDF	6.57e5	1.10e6	0.43	NO	0.726	36.81	36.81	NO	1.087	1.086	82.500	82.5	NO
33	13C-1,2,3,4,7,8,9-HpCDF	5.41e5	1.10e6	0.42	NO	0.491	38.82	38.81	NO	1.146	1.146	100.51	101	NO
34	13C-OCDF	1.20e6	1.10e6	0.87	NO	0.565	41.40	41.39	NO	1.222	1.222	193.85	96.9	NO
35	37Cl-2,3,7,8-TCDD	1.86e5	1.33e6			1.22	26.36	26.39	NO	1.030	1.031	11.481	115	NO
36	13C-1,2,3,4-TCDD	1.33e6	1.33e6	0.79	NO	1.00	25.64	25.59	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	2.14e6	2.14e6	0.78	NO	1.00	24.13	24.10	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	1.10e6	1.10e6	0.51	NO	1.00	33.92	33.88	NO	1.000	1.000	100.00	100	YES <i>ds</i>

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Saturday, December 12, 2020 9:57:48 AM Pacific Standard Time

Printed: Saturday, December 12, 2020 9:58:22 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\ds\DIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

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

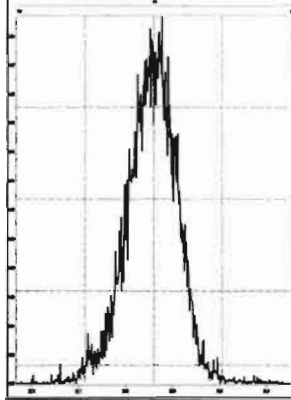
	Name	ID	Acq.Date	Acq.Time
1	201211R1_1	ST201211R1_1 1613 CS3 20L0301	11-Dec-20	10:31:54
2	201211R1_2	B0L0084-BS7	11-Dec-20	11:19:56
3	201211R1_3	B0L0016-BS1 OPR 10	11-Dec-20	12:04:46
4	201211R1_4	B0L0020-BS1 OPR 1	11-Dec-20	12:50:20
5	201211R1_5	SOLVENT BLANK	11-Dec-20	13:36:44
6	(A) 201211R1_6			
7	201211R1_7	B0L0064-BS1 OPR 1	11-Dec-20	15:19:18
8	201211R1_8	SOLVENT BLANK	11-Dec-20	16:08:14
9	201211R1_9	B0L0064-BLK1 Method Blank 1	11-Dec-20	16:52:33
10	201211R1_10	B0L0020-BLK1 Method Blank 1	11-Dec-20	17:36:51
11	* 201211R1_11	B0L0016-BLK1 Method Blank 10	11-Dec-20	18:21:08
12	201211R1_12	2002661-01 OF-031A BiWeekly Composite D/...	11-Dec-20	19:05:29
13	201211R1_13	2002459-04 GW-1216 0.935	11-Dec-20	19:49:45
14	201211R1_14	2002528-01 B!EACH PLANT EFFLUENT 0.8...	11-Dec-20	20:34:03
15	201211R1_15	2002433-01 USMPDI-026SC-A-09-10-201106 ...	11-Dec-20	21:18:19
16	201211R1_16	2002433-01@:0X USMPDI-026SC-A-09-10-2...	11-Dec-20	22:02:37
17	201211R2_1	SOLVENT BLANK	11-Dec-20	22:55:51
18	201211R2_2	ST201211R2_1 1613 CS3 20L0301	11-Dec-20	23:40:08

(A) Instrument paused, re injected sample at * 11/12/2020

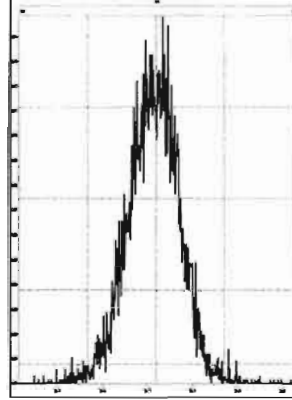
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, December 11, 2020 10:24:18 Pacific Standard Time

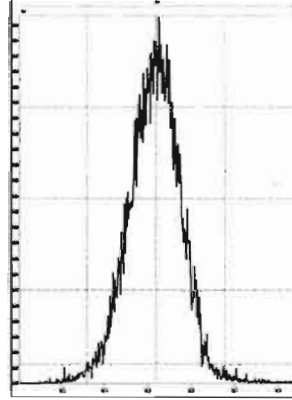
M 292.9824 R 12017



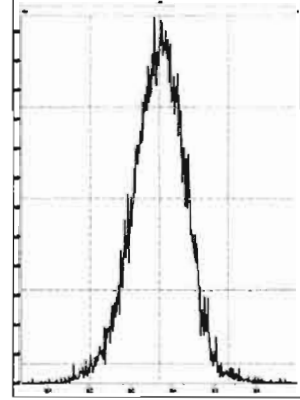
M 304.9824 R 13738



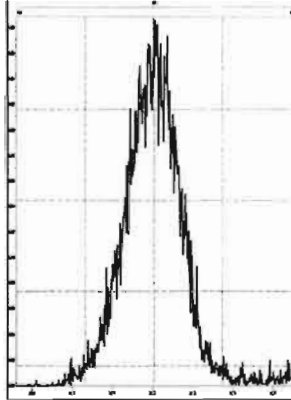
M 318.9792 R 12376



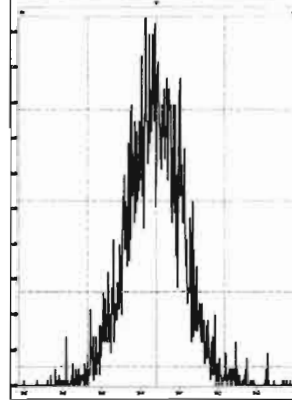
M 330.9792 R 11158



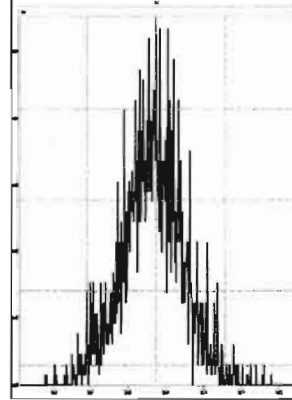
M 342.9792 R 10917



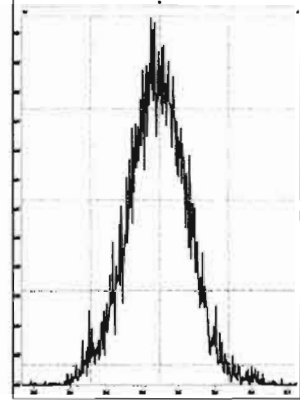
M 354.9792 R 12435



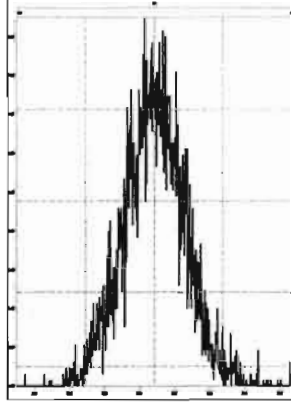
M 366.9792 R 13298



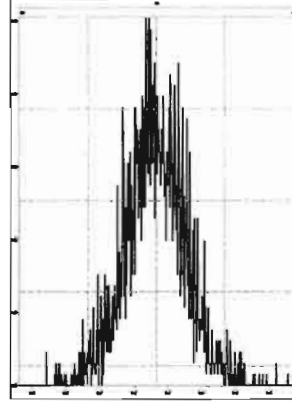
M 380.9760 R 10161



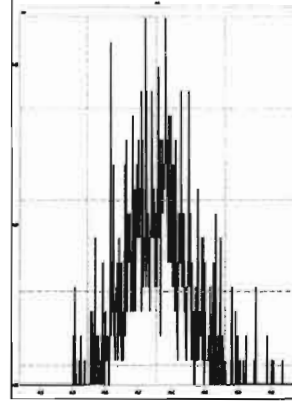
M 392.9760 R 10730



M 404.9760 R 10287



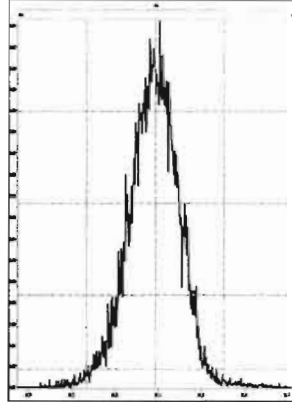
M 416.9760 R 13968



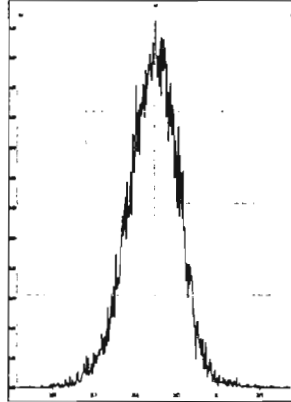
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, December 11, 2020 10:26:22 Pacific Standard Time

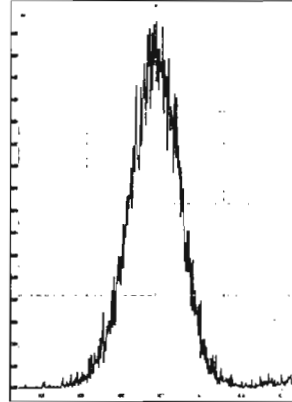
M 318.9792 R 11847



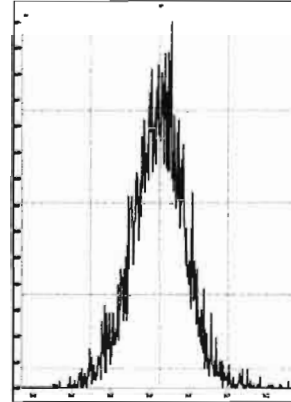
M 330.9792 R 11901



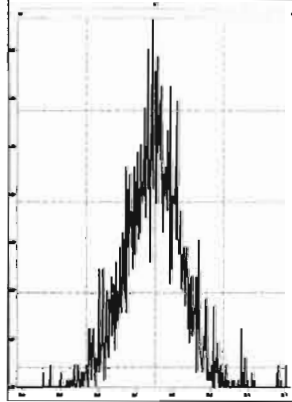
M 342.9792 R 11904



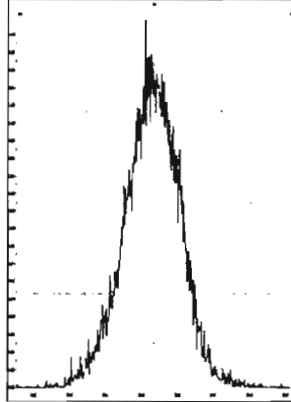
M 354.9792 R 12257



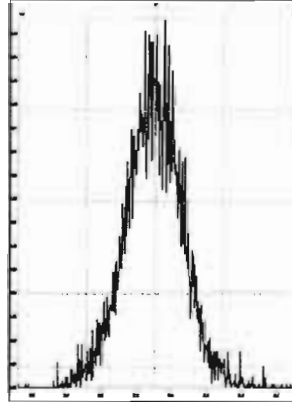
M 366.9792 R 11682



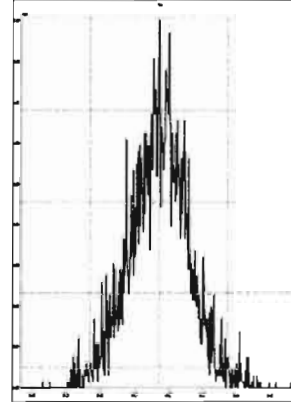
M 380.9760 R 11259



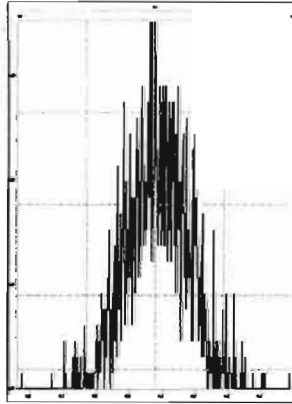
M 392.9760 R 11628



M 404.9760 R 13659



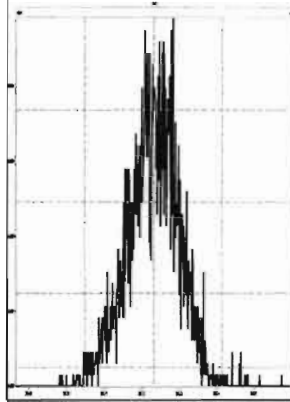
M 416.9760 R 12078



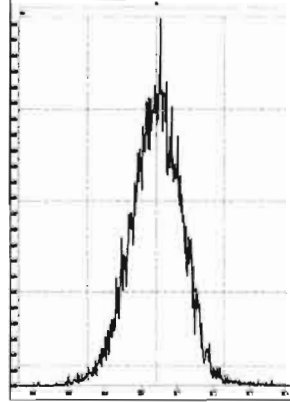
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Friday, December 11, 2020 10:27:32 Pacific Standard Time

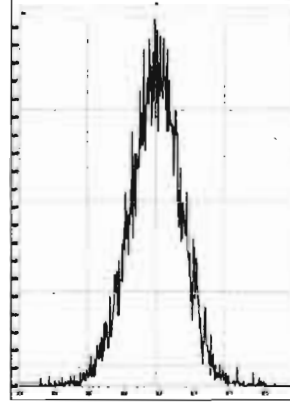
M 366.9792 R 13294



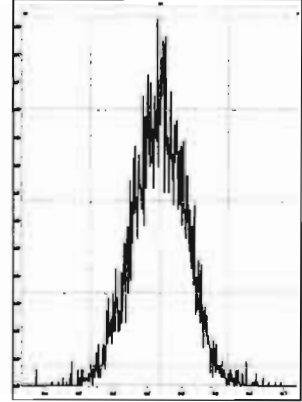
M 380.9760 R 12077



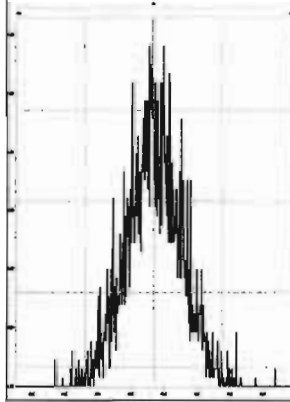
M 392.9760 R 11959



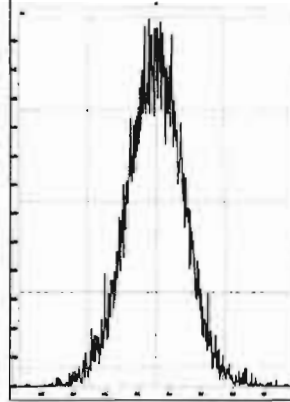
M 404.9760 R 12626



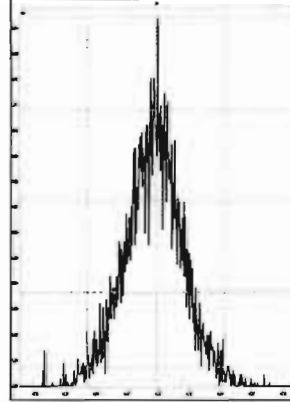
M 416.9760 R 12951



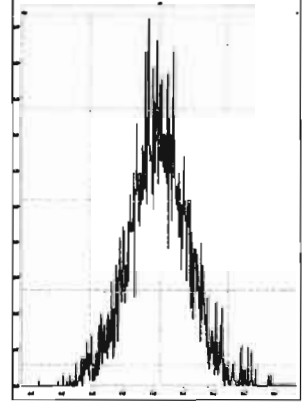
M 430.9728 R 10549



M 442.9728 R 12436



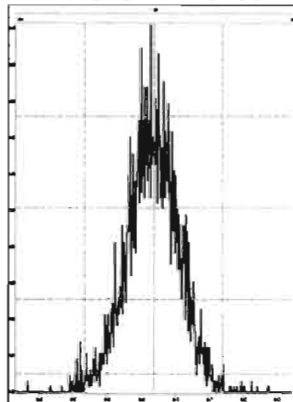
M 454.9728 R 10965



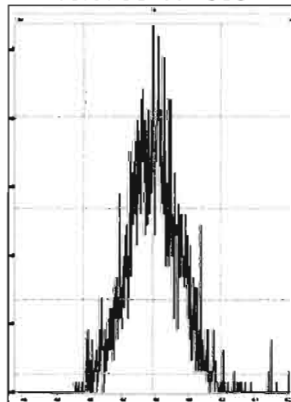
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, December 11, 2020 10:28:37 Pacific Standard Time

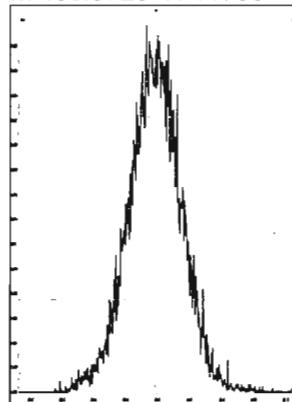
M 404.9760 R 13089



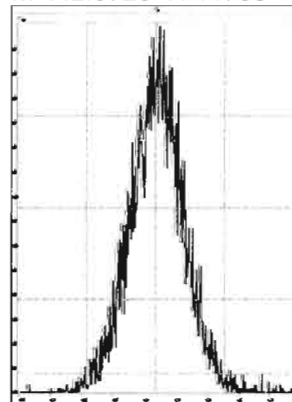
M 416.9760 R 13092



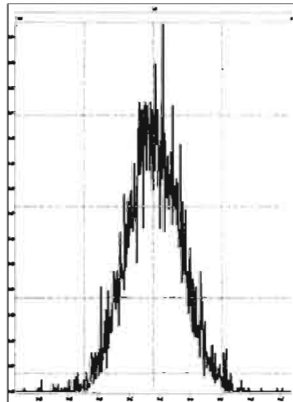
M 430.9728 R 11793



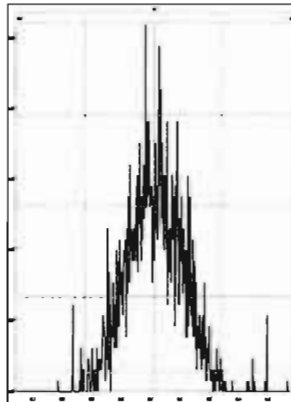
M 442.9728 R 11736



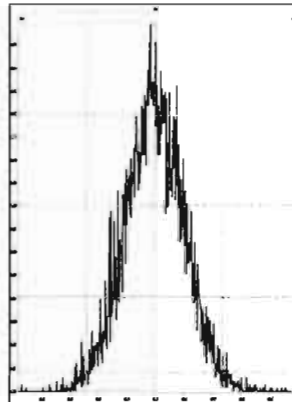
M 454.9728 R 11734



M 466.9728 R 13513



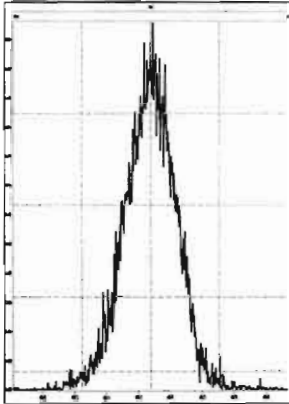
M 480.9696 R 10458



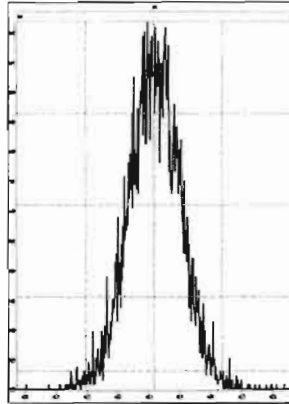
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, December 11, 2020 10:29:40 Pacific Standard Time

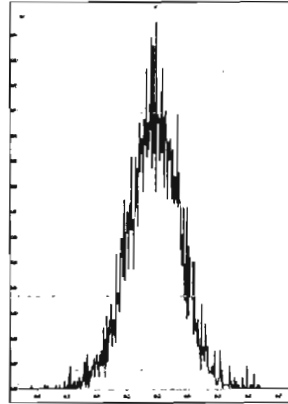
M 430.9728 R 12437



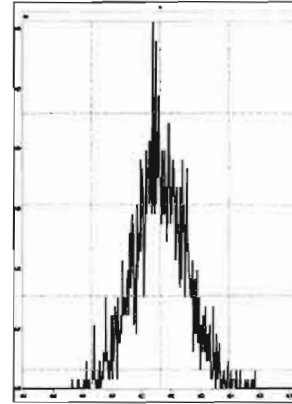
M 442.9728 R 12253



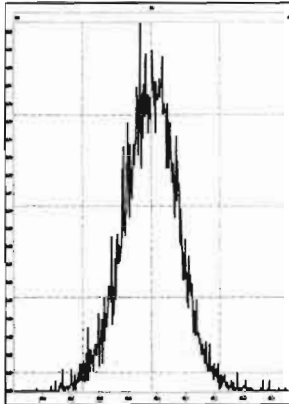
M 454.9728 R 11261



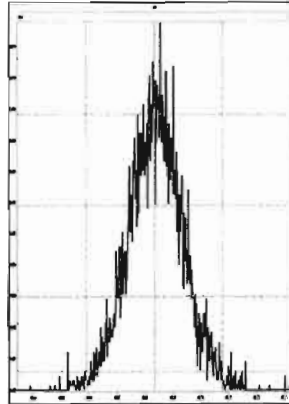
M 466.9728 R 12317



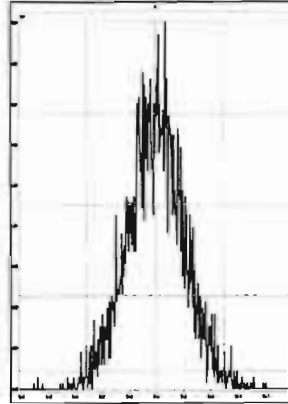
M 480.9696 R 11014



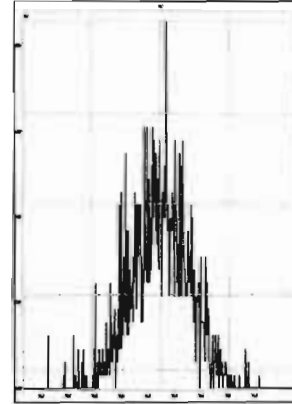
M 492.9696 R 10333



M 504.9696 R 11063



M 516.9697 R 12019



Vista Analytical Laboratory VG-11

Dataset: U:\VG12.PRO\Results\201211R1\201211R1_CPSM.qld

Last Altered: Saturday, December 12, 2020 9:33:41 AM Pacific Standard Time

Printed: Saturday, December 12, 2020 9:34:16 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 11 Dec 2020 14:14:32

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

#	Name	RT
1	1,3,6,8-TCDD (First)	22.59
2	1,2,8,9-TCDD (Last)	27.28
3	1,2,4,7,9-PeCDD (First)	28.82
4	1,2,3,8,9-PeCDD (Last)	31.42
5	1,2,4,6,7,9-HxCDD (First)	32.72
6	1,2,3,7,8,9-HxCDD (Last)	34.76
7	1,2,3,4,6,7,9-HpCDD (First)	37.20
8	1,2,3,4,6,7,8-HpCDD (Last)	38.21
9	1,3,6,8-TCDF (First)	20.32
10	1,2,8,9-TCDF (Last)	27.59
11	1,3,4,6,8-PeCDF (First)	27.15
12	1,2,3,8,9-PeCDF (Last)	31.77
13	1,2,3,4,6,8-HxCDF (First)	32.19
14	1,2,3,7,8,9-HxCDF (Last)	35.25
15	1,2,3,4,6,7,8-HpCDF (First)	36.82
16	1,2,3,4,7,8,9-HpCDF (Last)	38.82

Dataset: U:\VG12.PRO\Results\201211R1\201211R1_CPSM.qld

Last Altered: Saturday, December 12, 2020 9:33:41 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:34:16 AM Pacific Standard Time

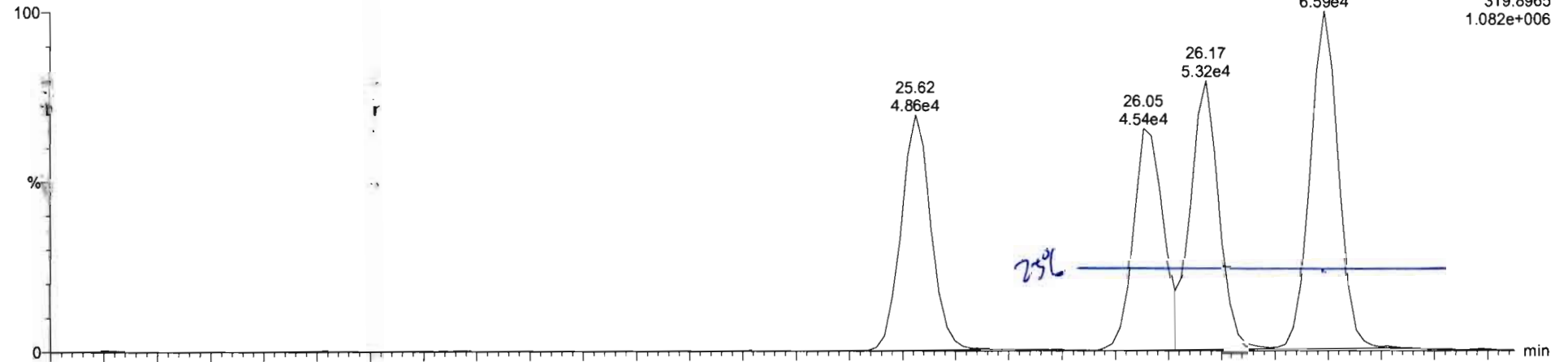
Method: U:\VG12.PRO\MethDB\CPSM.mdb 11 Dec 2020 14:14:32
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

HN 12/12/2020
GRB 12/14/2020

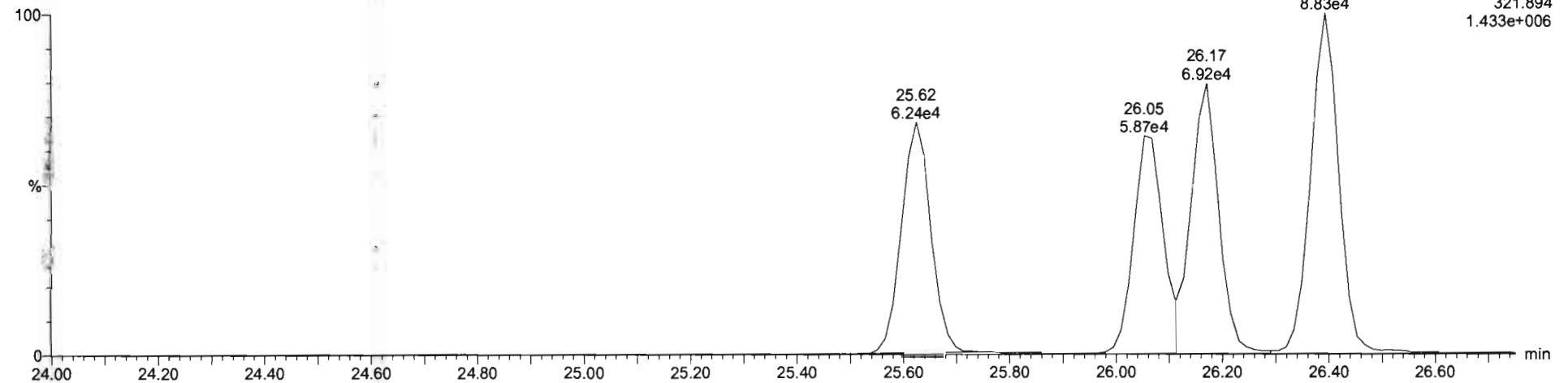
Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201211R1_1



201211R1_1



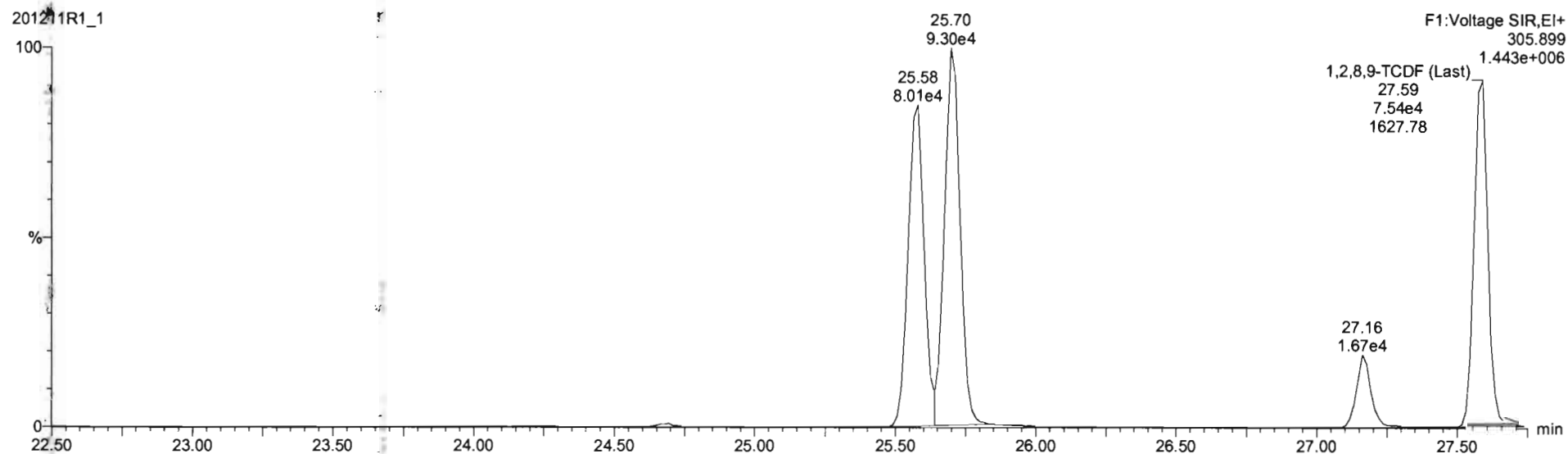
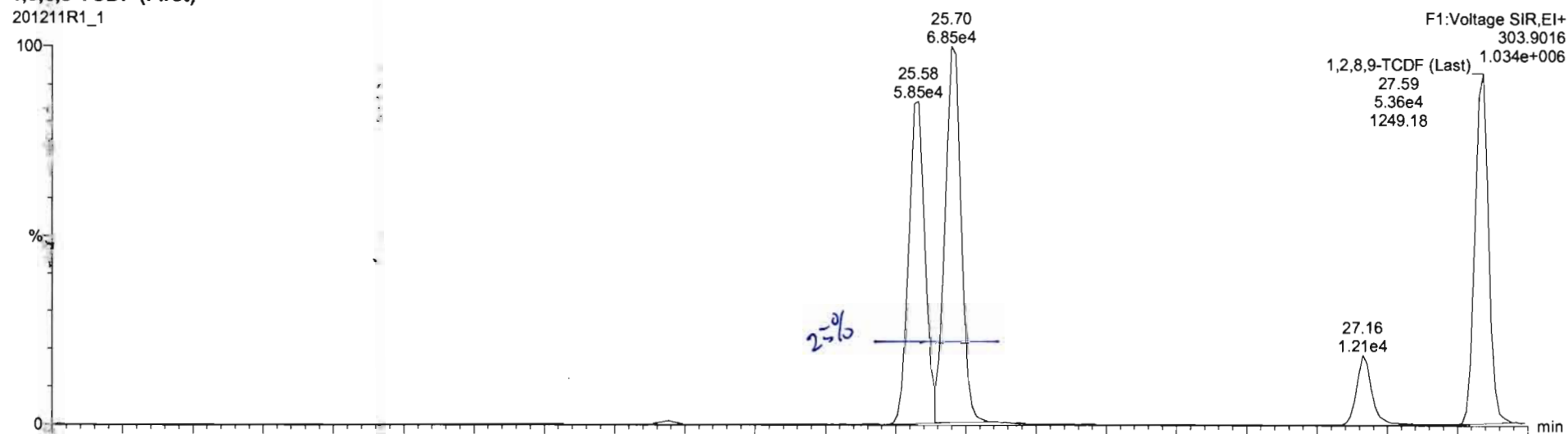
Dataset: U:\VG12.PRO\Results\201211R1\201211R1_CPSM.qld

Last Altered: Saturday, December 12, 2020 9:33:41 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:34:16 AM Pacific Standard Time

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

*MIN 12/12/2020
GEB 12/14/2020*

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



Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time

Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

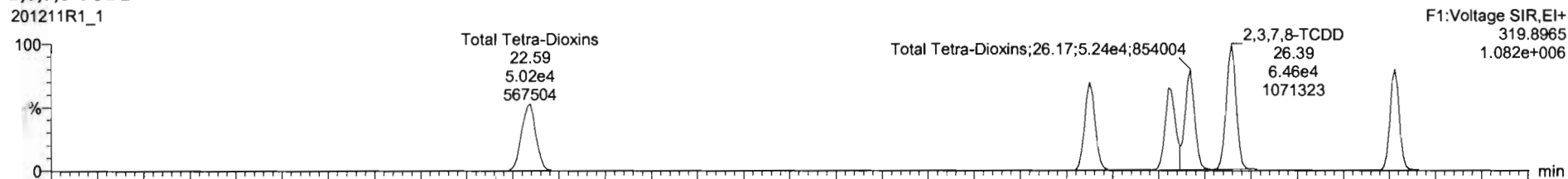
Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

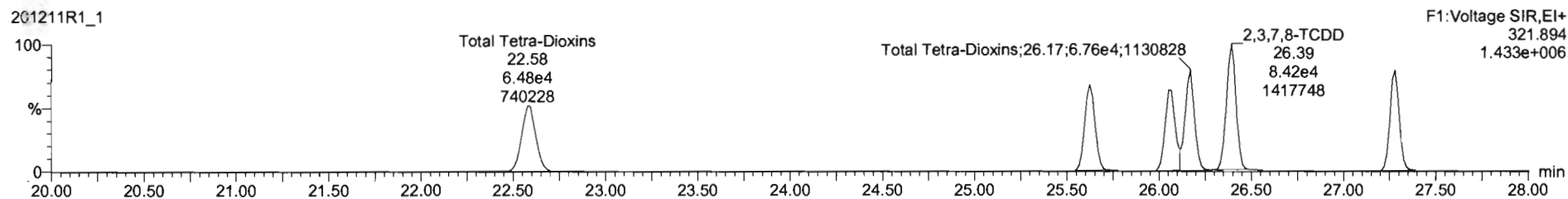
Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

2,3,7,8-TCDD

201211R1_1

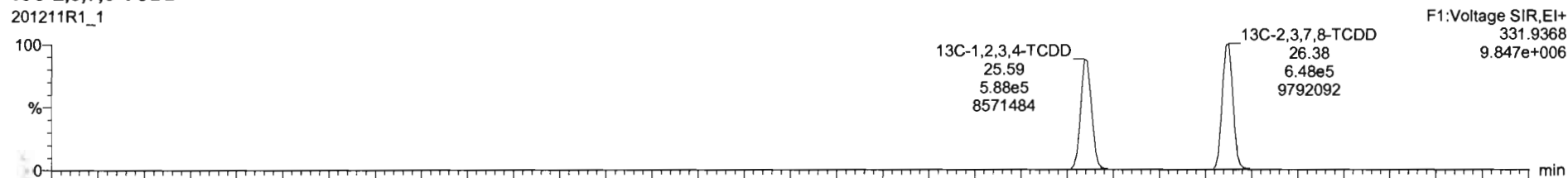


201211R1_1

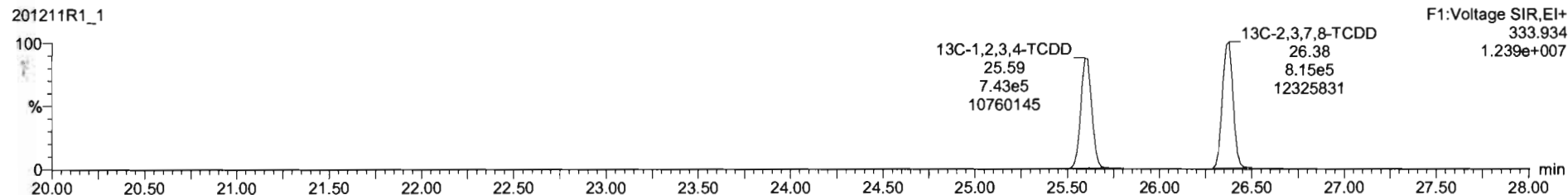


13C-2,3,7,8-TCDD

201211R1_1



201211R1_1



Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

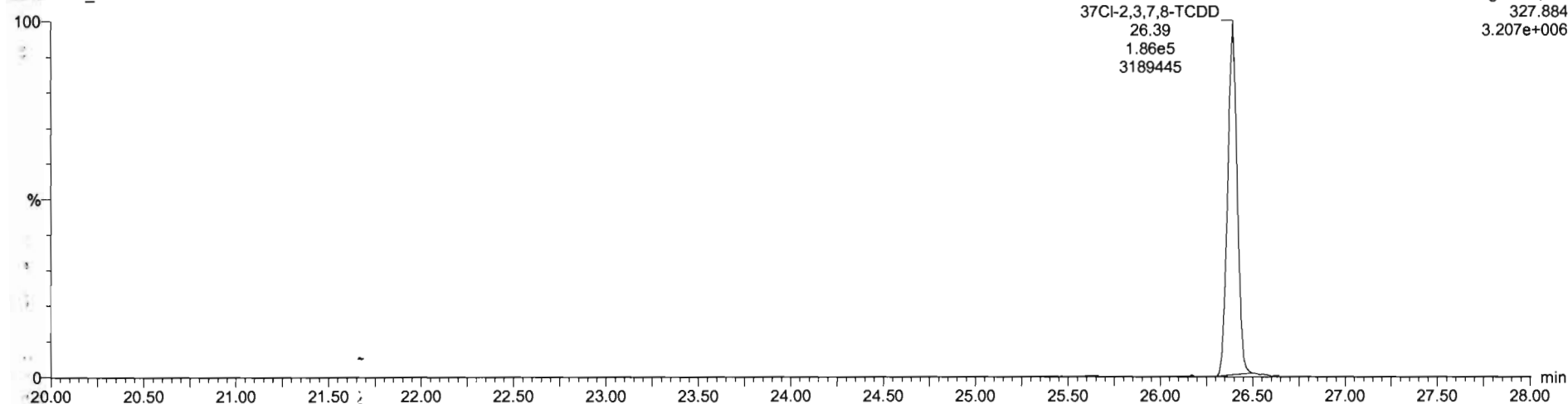
Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time

Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

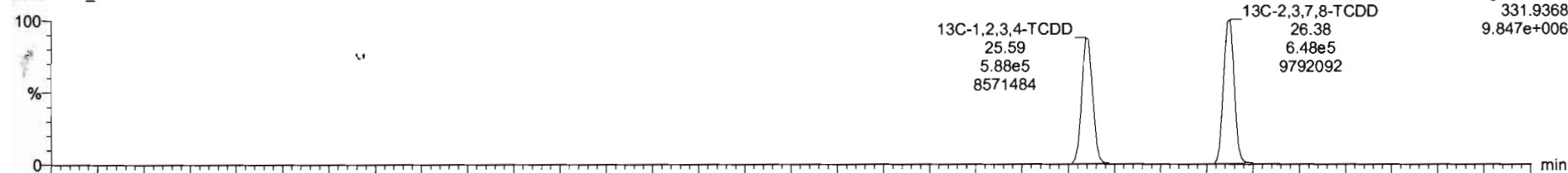
³⁷Cl-2,3,7,8-TCDD

201211R1_1

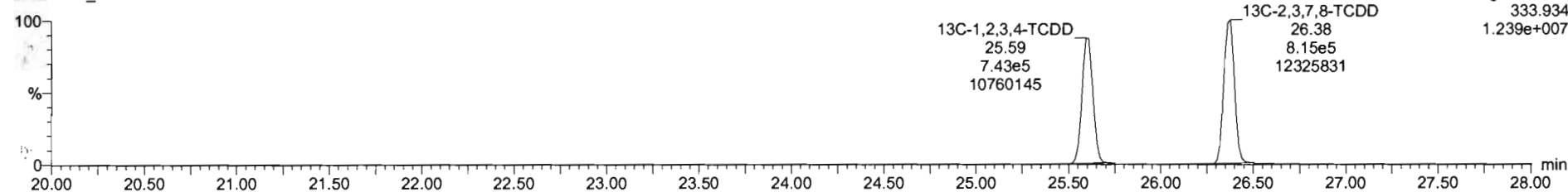


¹³C-1,2,3,4-TCDD

201211R1_1



201211R1_1



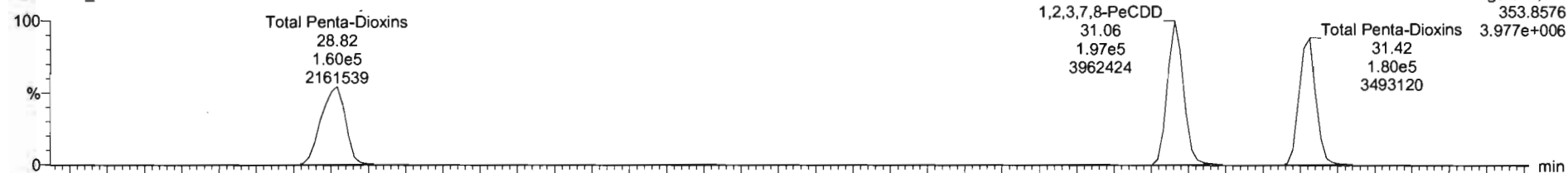
Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

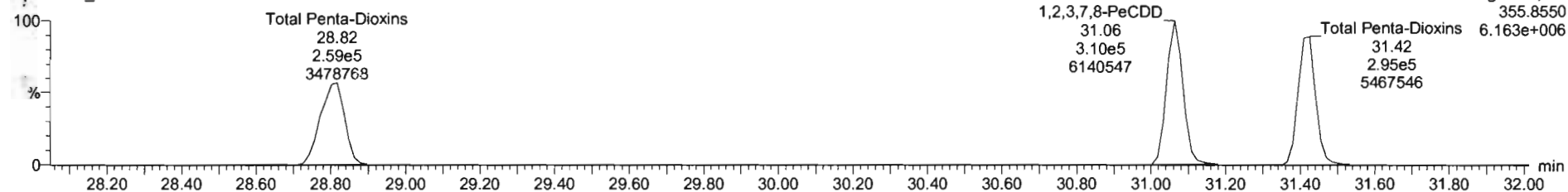
Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1,2,3,7,8-PeCDD

201211R1_1

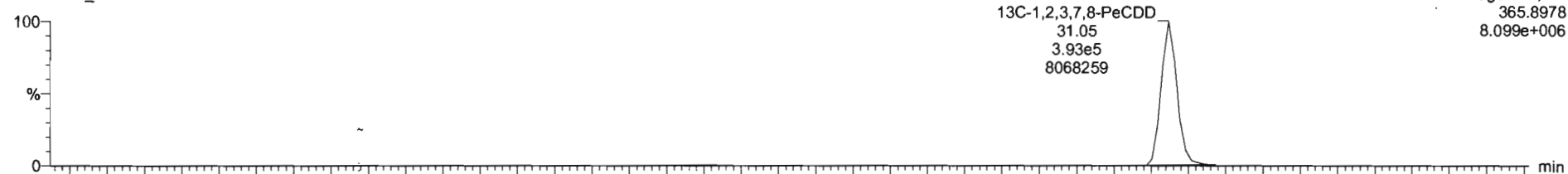


201211R1_1

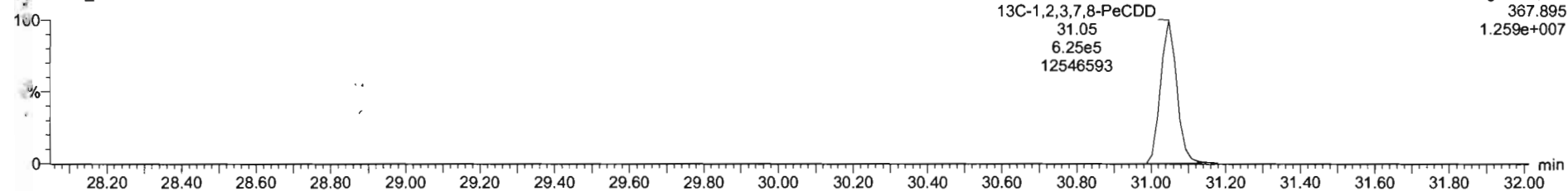


13C-1,2,3,7,8-PeCDD

201211R1_1



201211R1_1

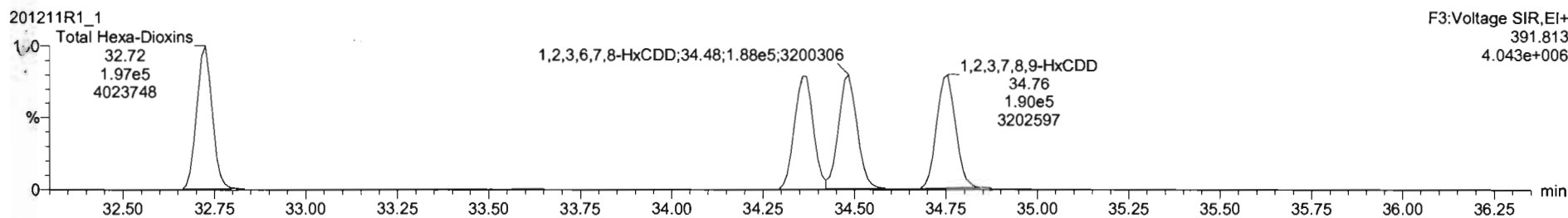
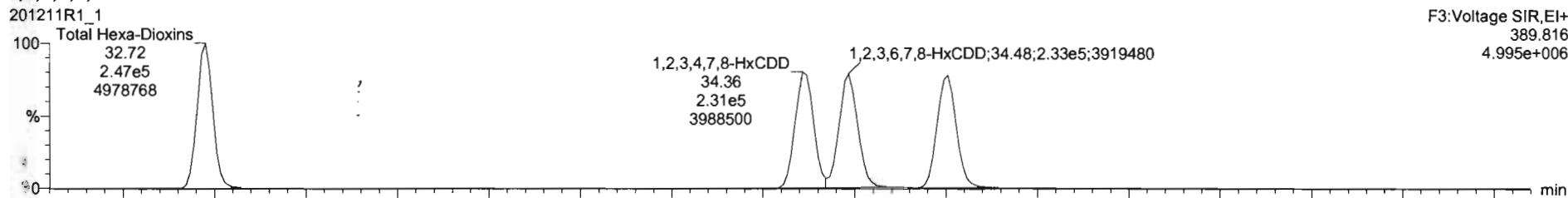


Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

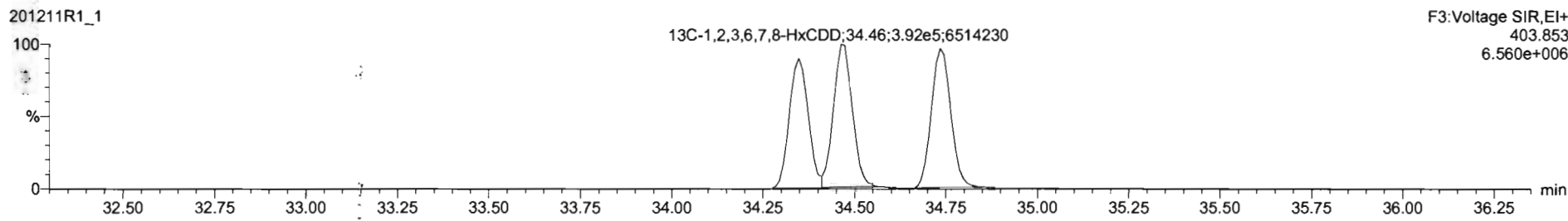
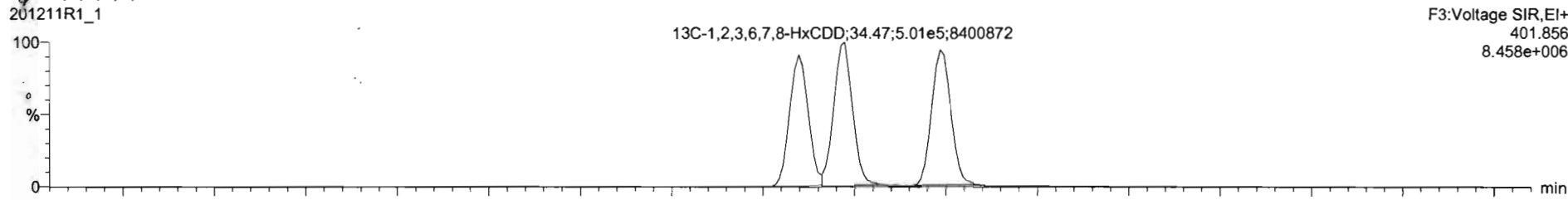
Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

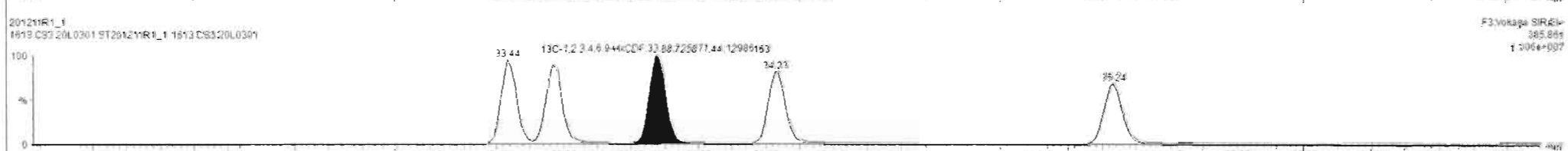
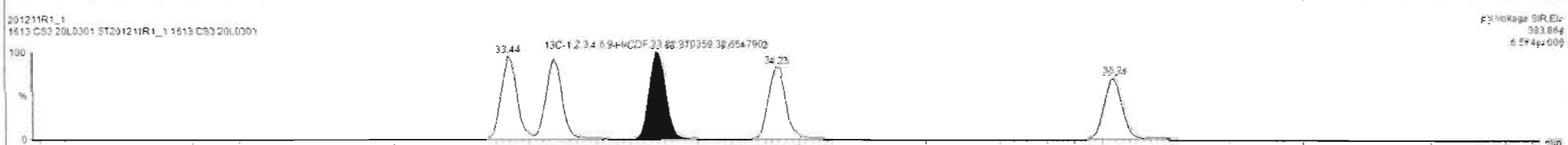
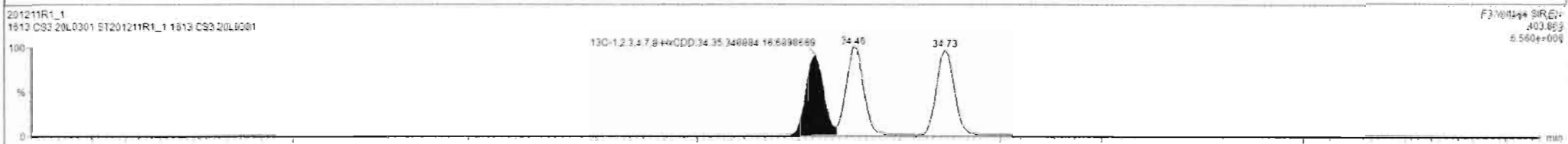
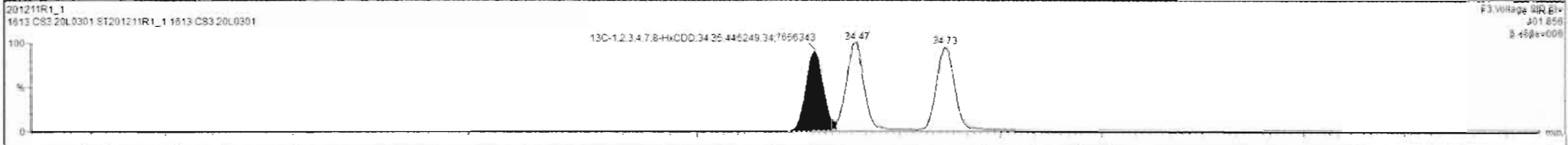


13C-1,2,3,4,7,8-HxCDD



201211R1_1 - ST201211R1_1 1613 CS3 20L0301 - 1613 CS3 20L0301

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
16	1,2,3,4,7,8-HpCDF	3.12e5	5.41e5	1.04	1.00	NO	1.1759	32.62	32.62	NO	1.000	1.000	49.0	56.1	NO
17	OCDF	5.33e5	1.20e6	0.59	0.58	NO	0.5950	41.40	41.40	NO	1.000	1.000	99.0	99.0	NO
18	13C-1,2,3,7,8-TCDF	1.45e6	1.33e6	0.77	0.79	NO	1.0555	26.37	26.36	NO	1.030	1.031	104	104	NO
19	13C-1,2,3,7,8-PeCDD	1.02e6	1.33e6	0.63	0.63	NO	0.7047	31.21	31.05	NO	1.215	1.213	67.4	67.4	NO
20	13C-1,2,3,4,7,8-HxCDD	7.94e5	1.10e6	1.24	1.28	NO	0.6205	34.34	34.35	NO	1.014	1.014	117	117	NO
21	13C-1,2,3,6,7,8-HxCDD	8.93e5	1.10e6	1.24	1.28	NO	0.7340	34.46	34.47	NO	1.017	1.016	111	111	NO
22	13C-1,2,3,7,8,9-HxCDD	8.72e5	1.10e6	1.24	1.26	NO	0.7226	34.74	34.73	NO	1.026	1.026	110	110	NO
23	13C-1,2,3,4,6,7,8-HpCDD	6.86e5	1.10e6	1.04	1.04	NO	0.5977	32.24	32.19	NO	1.129	1.127	110	110	NO
24	13C-OCDD	1.13e6	1.10e6	0.99	0.99	NO	0.4958	41.18	41.09	NO	1.215	1.213	207	153	NO
25	13C-1,2,3,7,8-TCDF	2.02e6	2.14e6	0.77	0.73	NO	0.9190	25.67	25.68	NO	1.003	1.003	103	103	NO



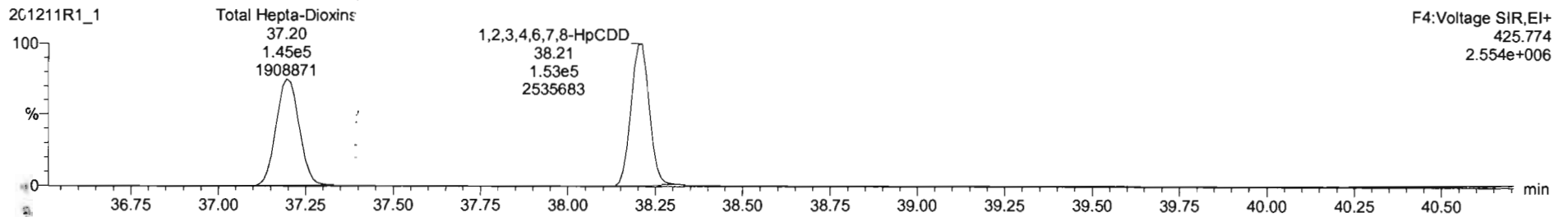
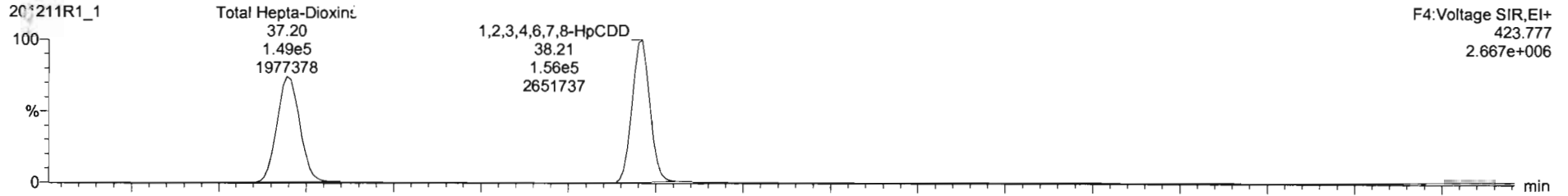
Results 201211R1_1 CAP 100%

Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

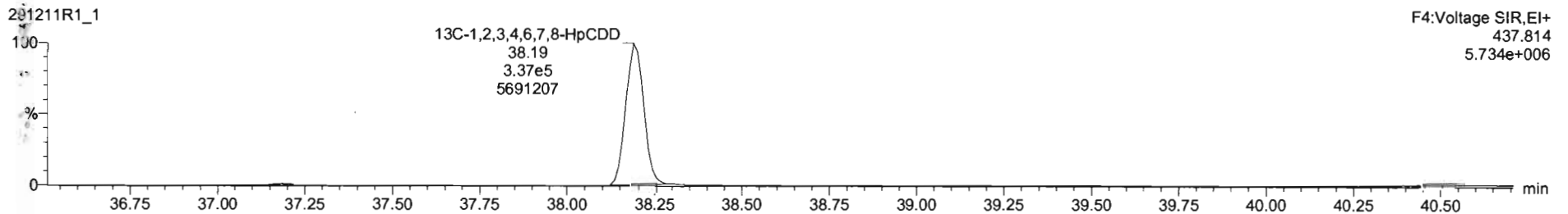
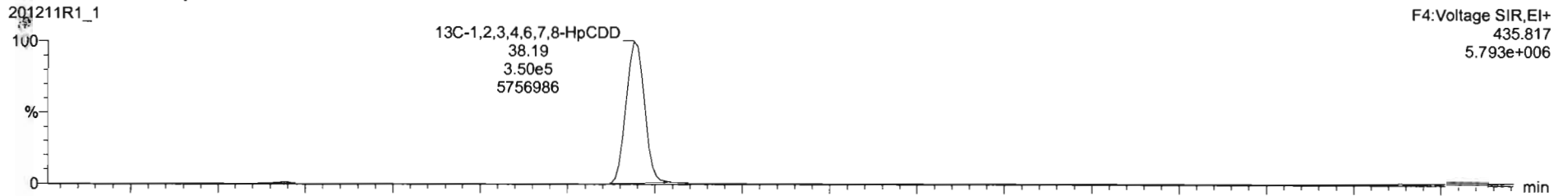
Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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



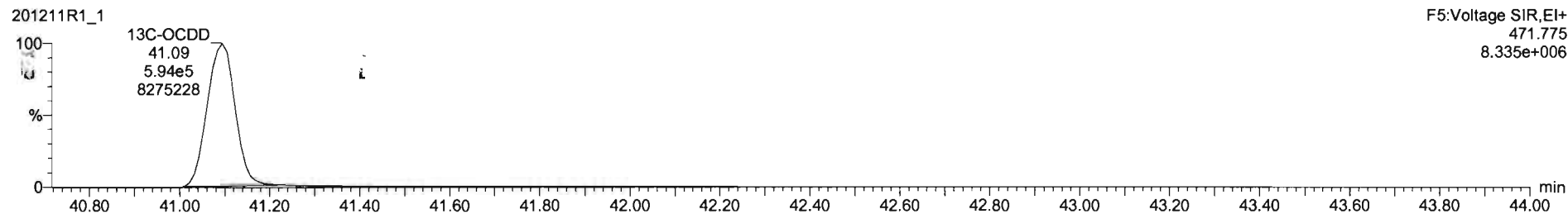
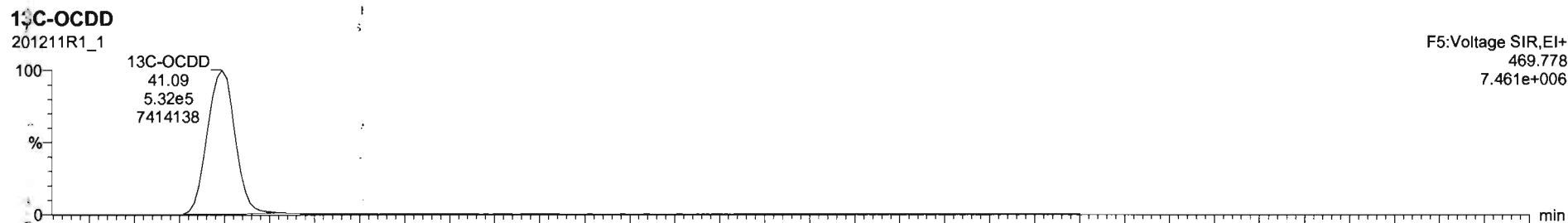
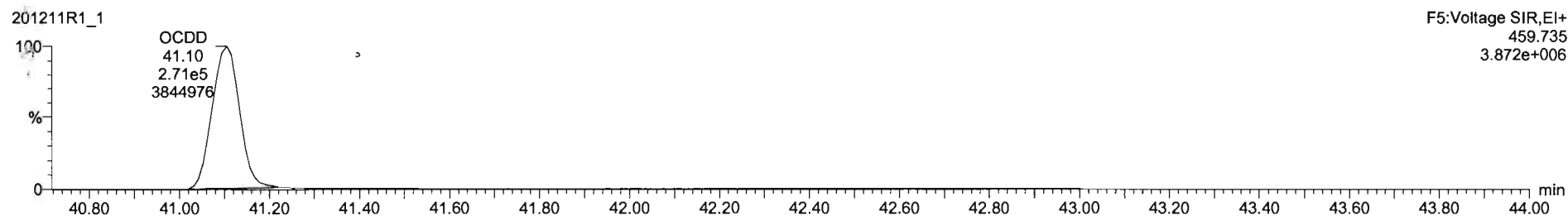
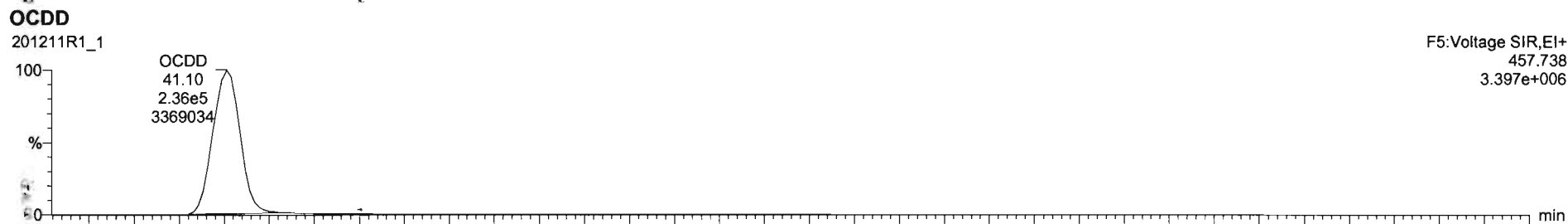
13C-1,2,3,4,6,7,8-HpCDD



Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301



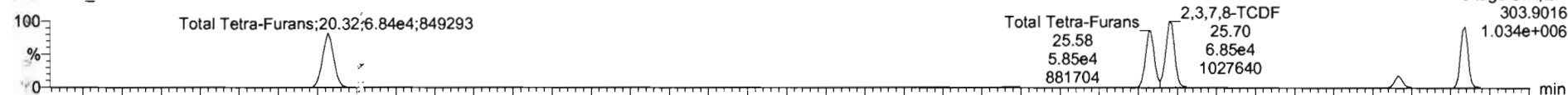
Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

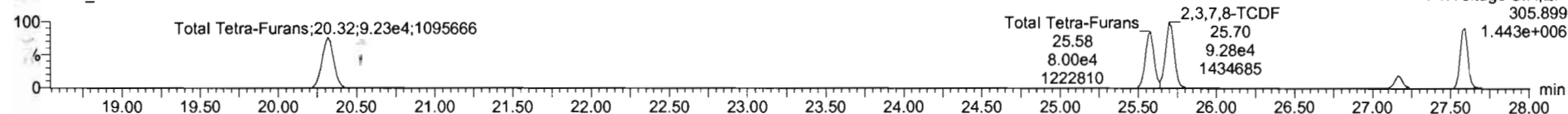
Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

2,3,7,8-TCDF

201211R1_1

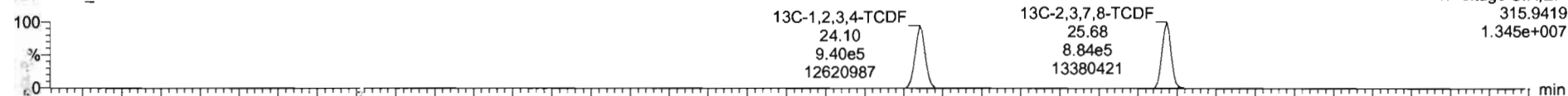


201211R1_1

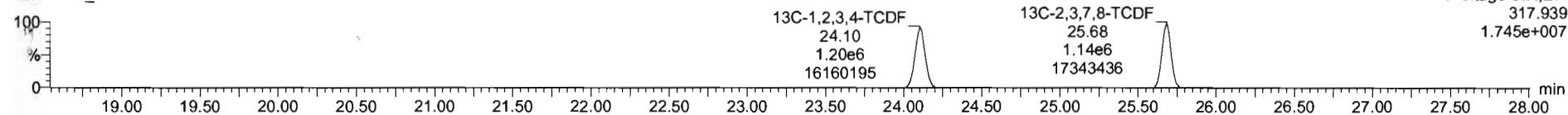


13C-2,3,7,8-TCDF

201211R1_1

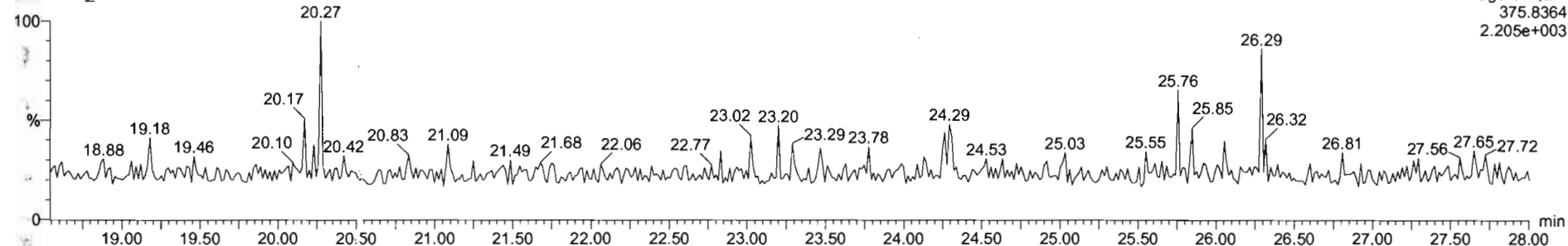


201211R1_1



DPE1

201211R1_1



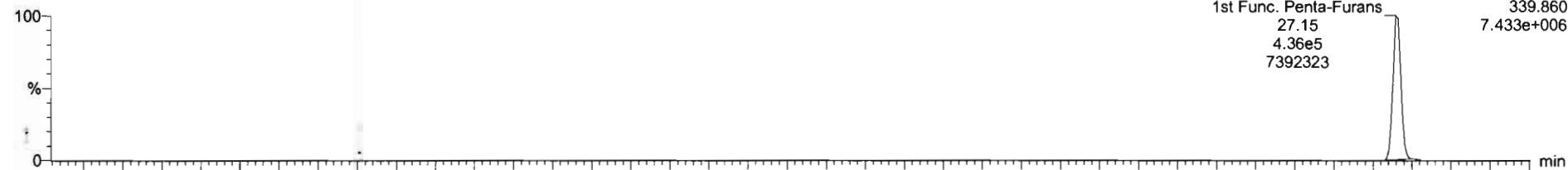
Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

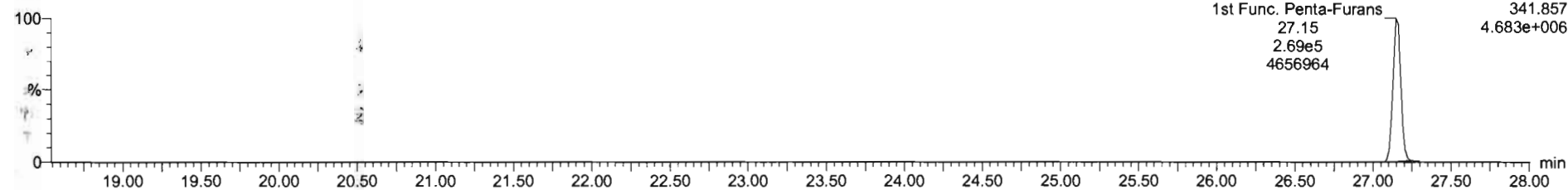
Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1st Func. Penta-Furans

201211R1_1

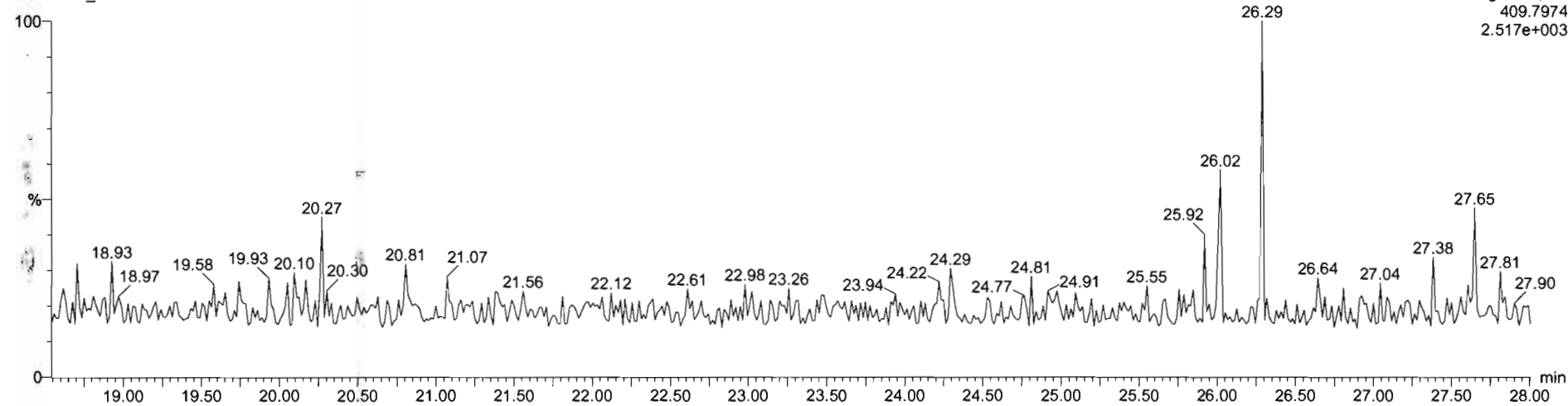


201211R1_1



D.E6

201211R1_1



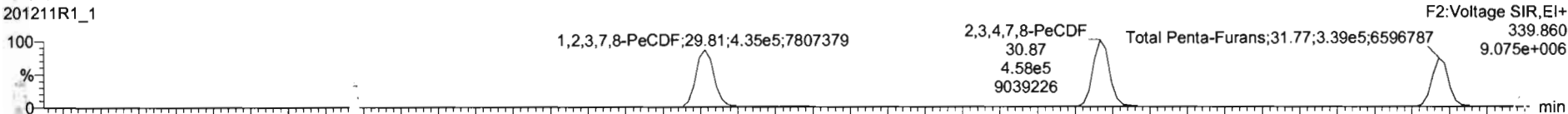
Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

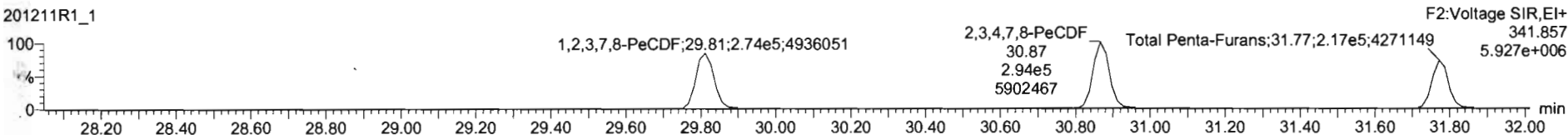
Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1,2,3,7,8-PeCDF

201211R1_1

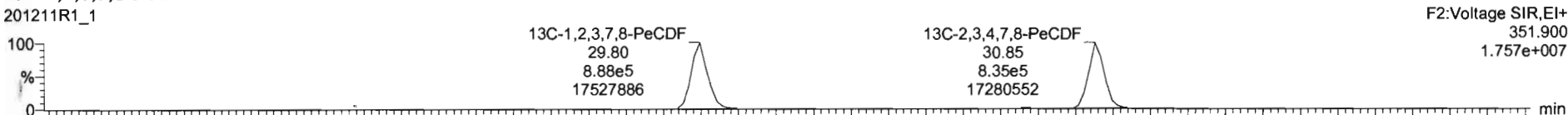


201211R1_1

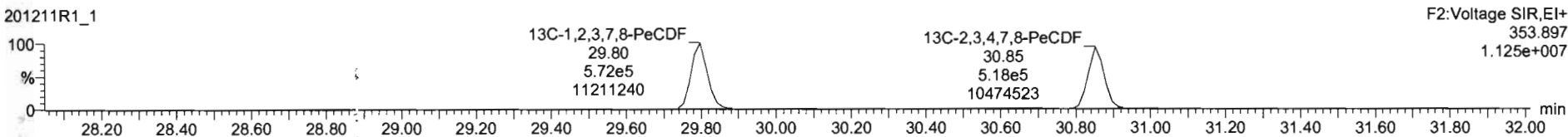


13C-1,2,3,7,8-PeCDF

201211R1_1

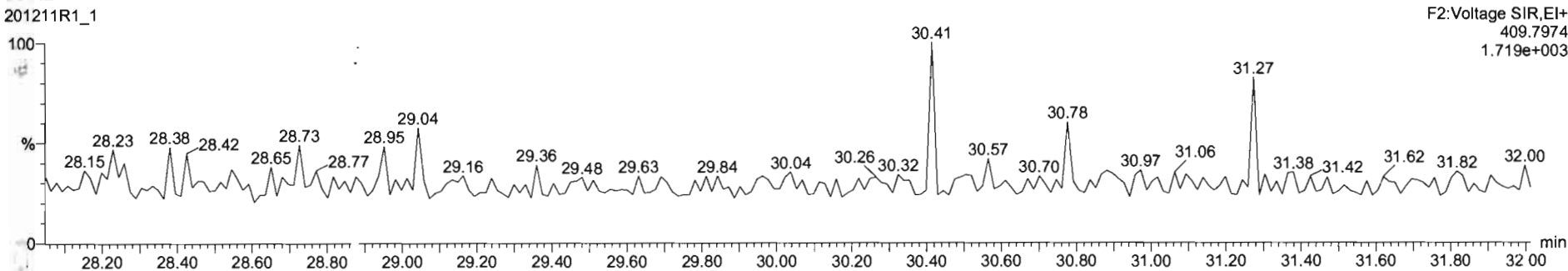


201211R1_1



DPE2

201211R1_1

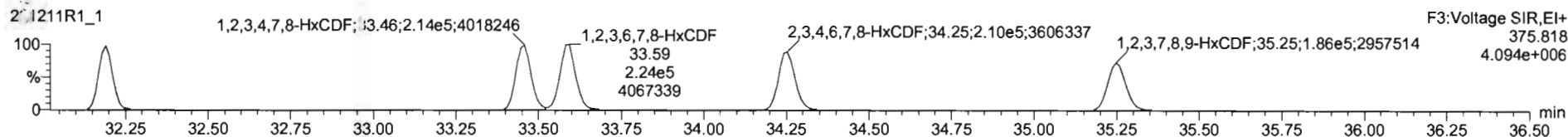
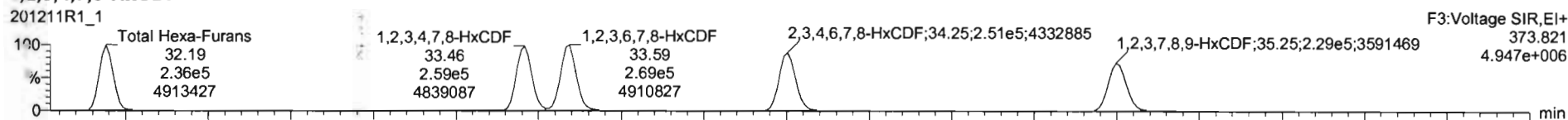


Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

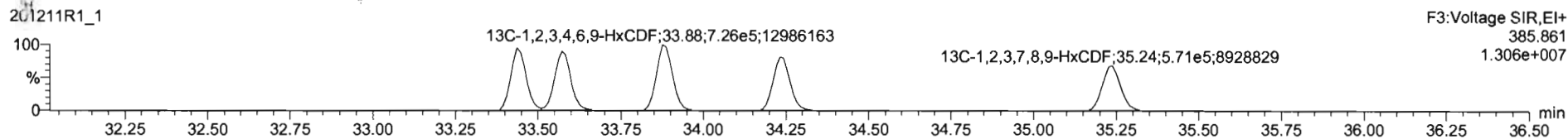
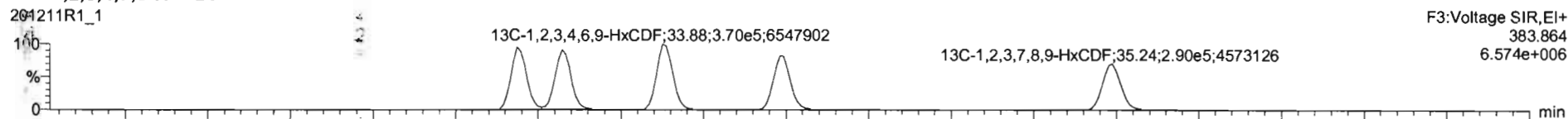
Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

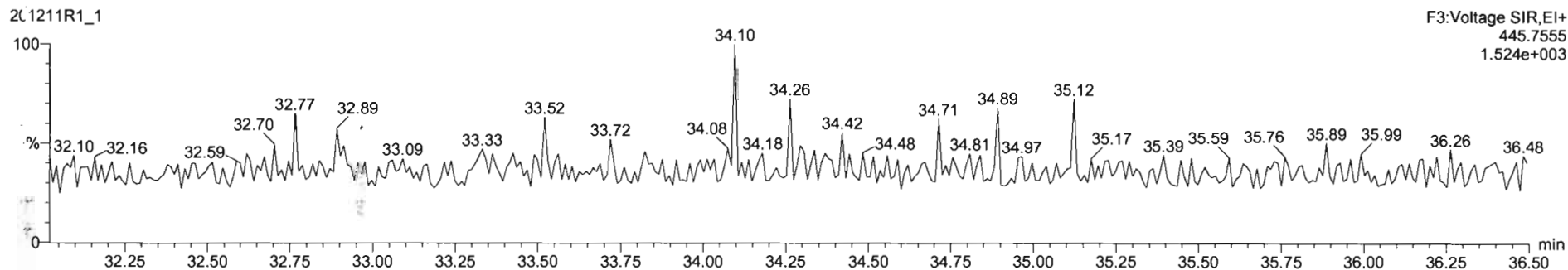
1,2,3,4,7,8-HxCDF



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



DPE3

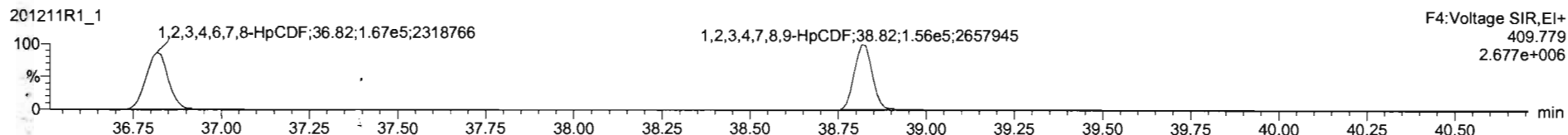
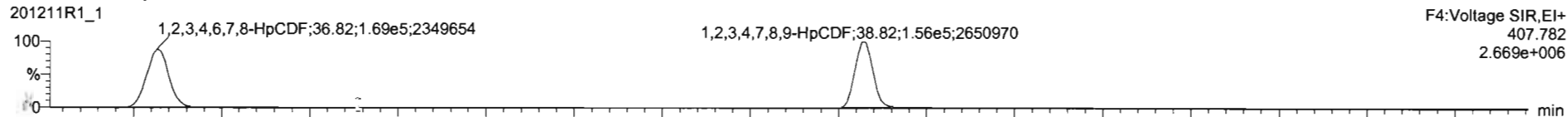


Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

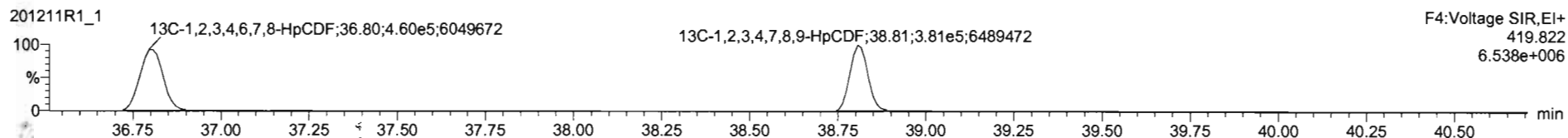
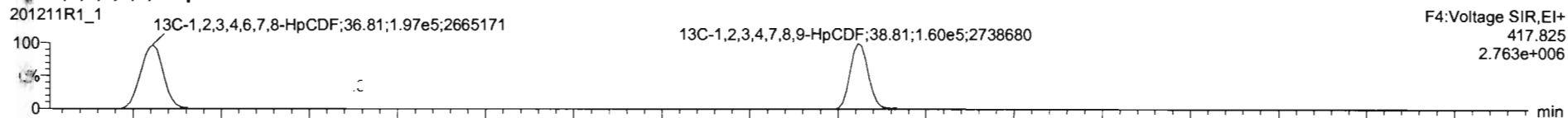
Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

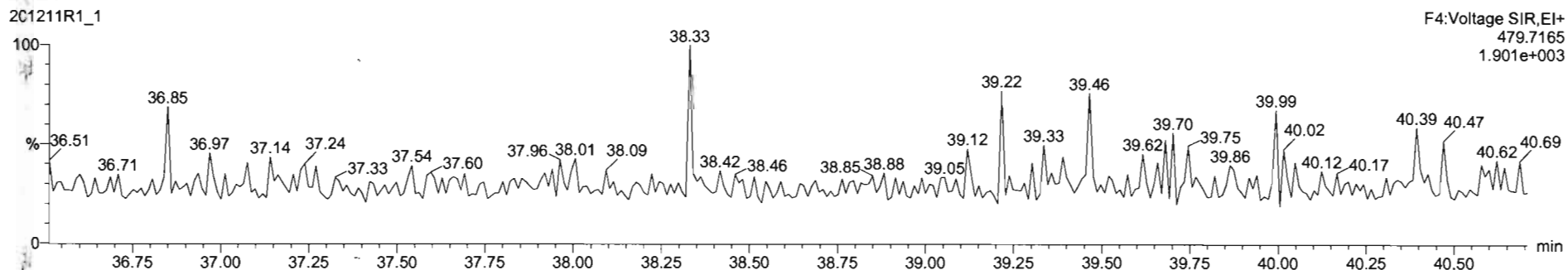
1,2,3,4,6,7,8-HpCDF



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



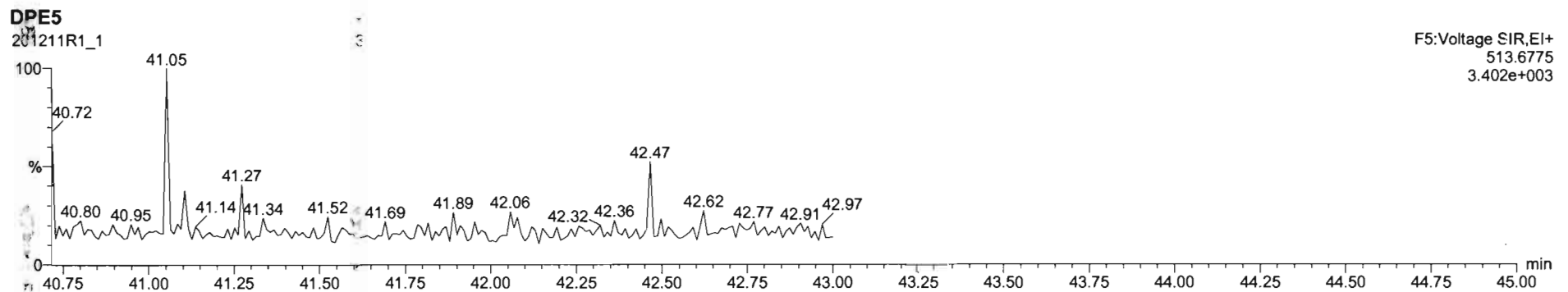
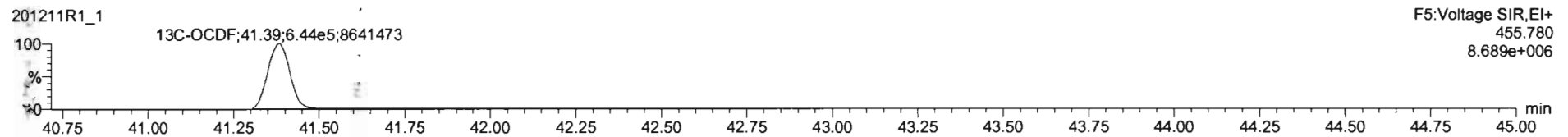
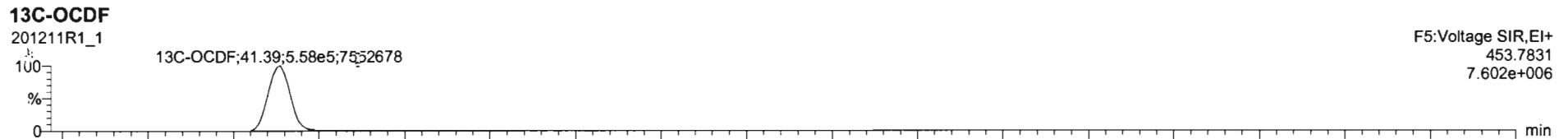
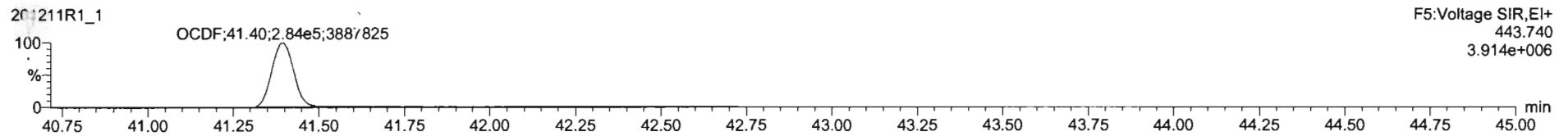
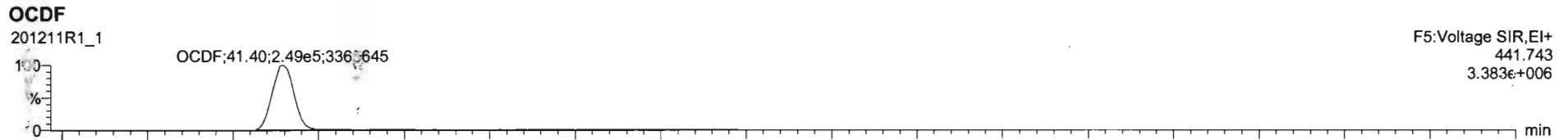
DPE4



Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

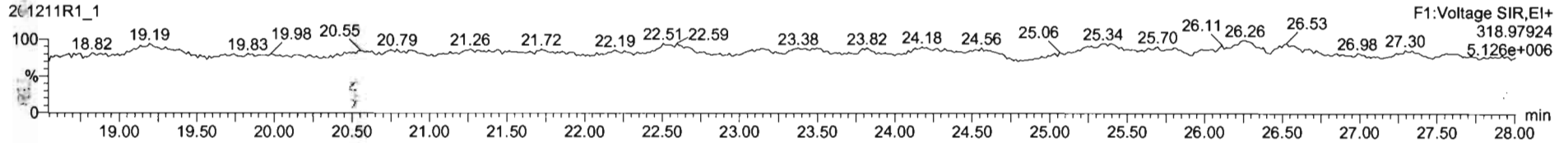


Dataset: U:\VG12.PRO\Results\201211R1\201211R1_1.qld

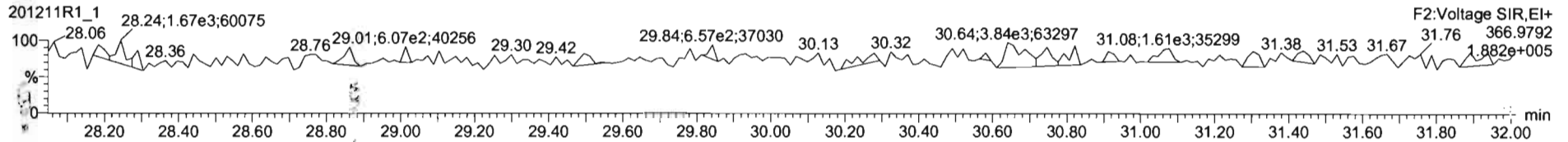
Last Altered: Saturday, December 12, 2020 9:29:43 AM Pacific Standard Time
Printed: Saturday, December 12, 2020 9:31:29 AM Pacific Standard Time

Name: 201211R1_1, Date: 11-Dec-2020, Time: 10:31:54, ID: ST201211R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

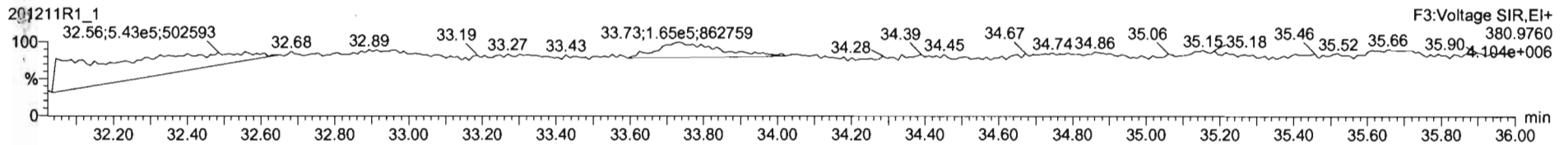
PFK1



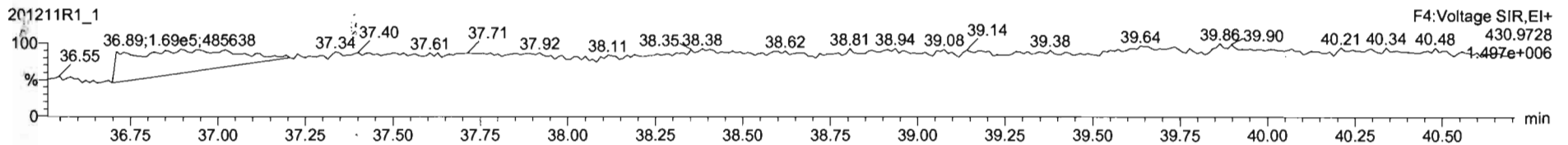
PFK2



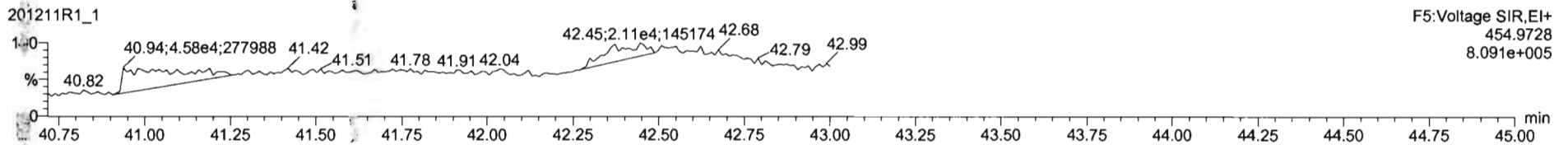
PFK3



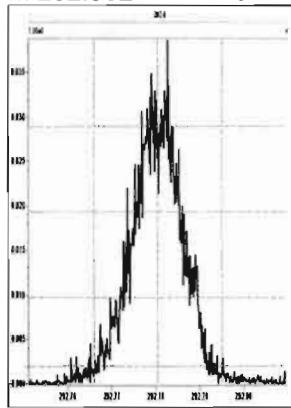
PFK4



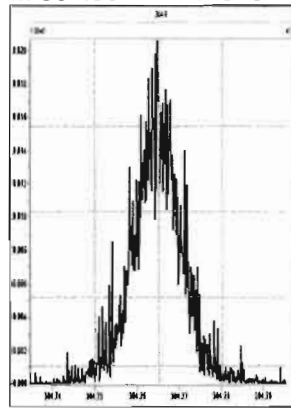
PFK5



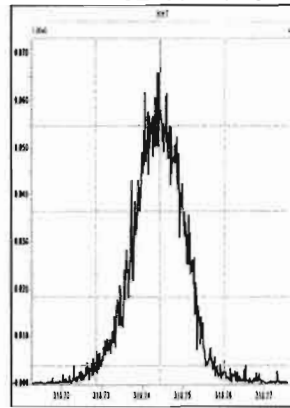
M 292.9824 R 11764



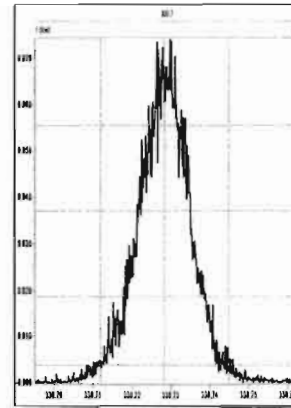
M 304.9824 R 14018



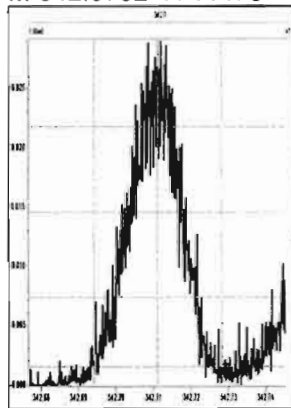
M 318.9792 R 11746



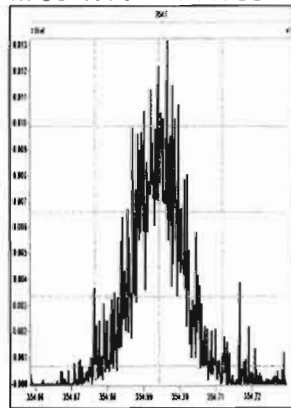
M 330.9792 R 11238



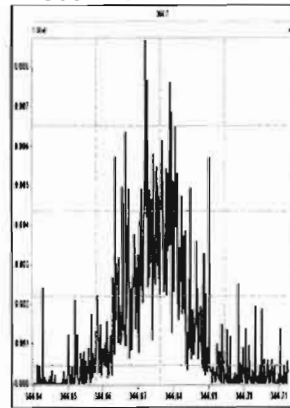
M 342.9792 R 11473



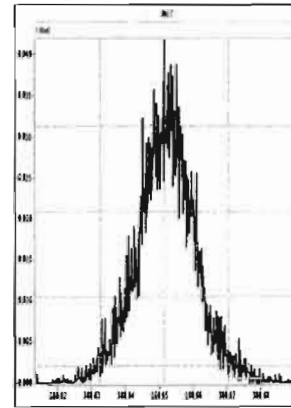
M 354.9792 R 11753



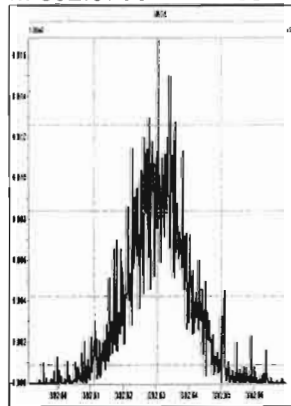
M 366.9792 R 13561



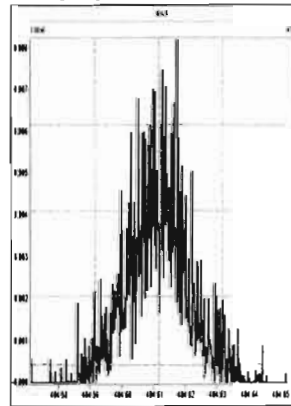
M 380.9760 R 10374



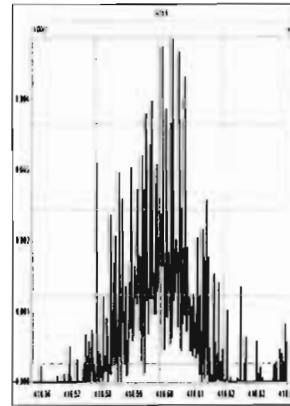
M 392.9760 R 11585



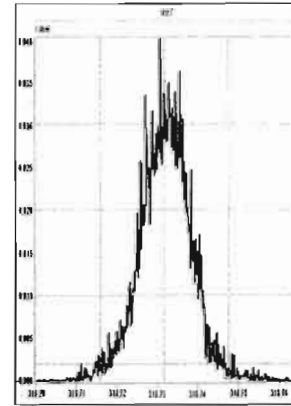
M 404.9760 R 13333



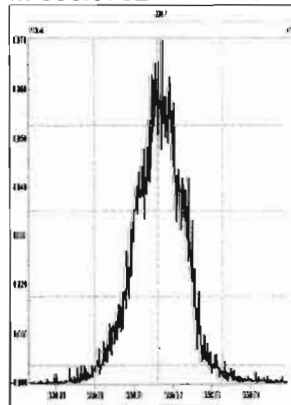
M 416.9760 R 31953



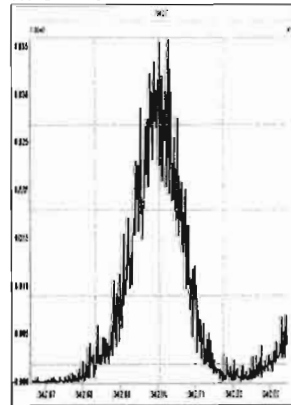
M 318.9792 R 11908



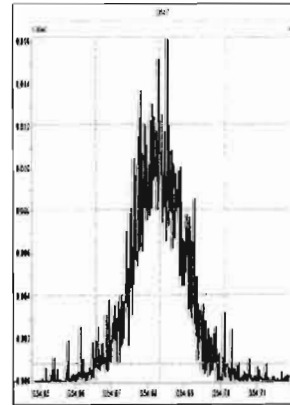
M 330.9792 R 11709



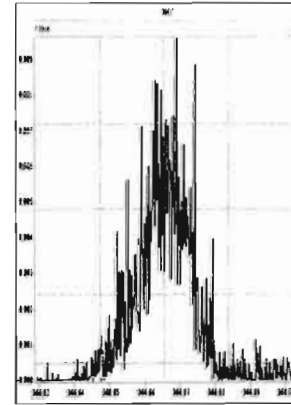
M 342.9792 R 12059



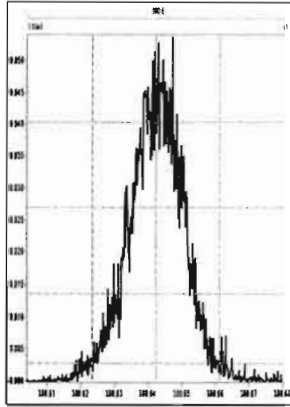
M 354.9792 R 13626



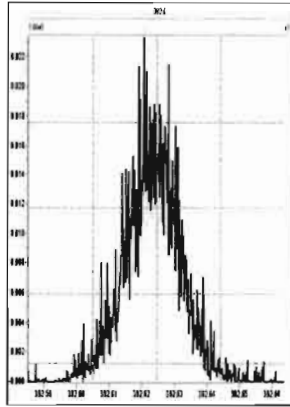
M 366.9792 R 13442



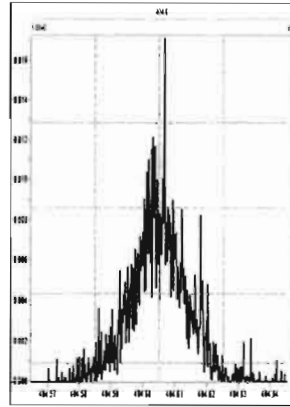
M 380.9760 R 11248



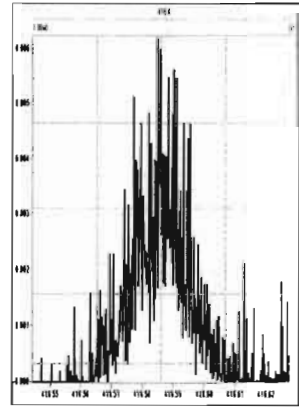
M 392.9760 R 12228



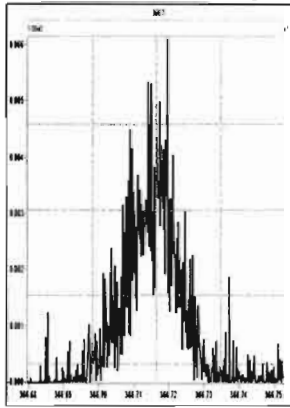
M 404.9760 R 13026



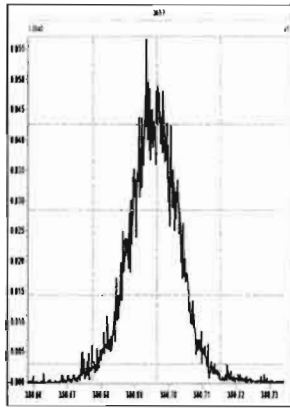
M 416.9760 R 17829



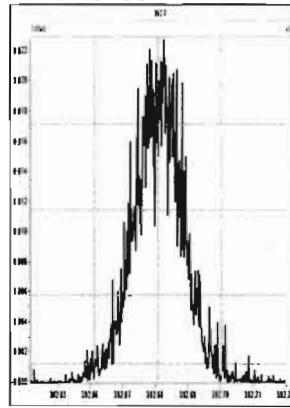
M 366.9792 R 13736



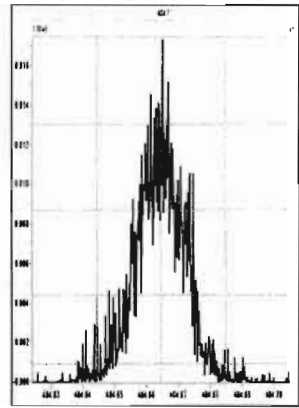
M 380.9760 R 12068



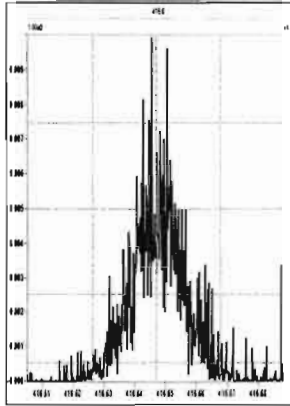
M 392.9760 R 11937



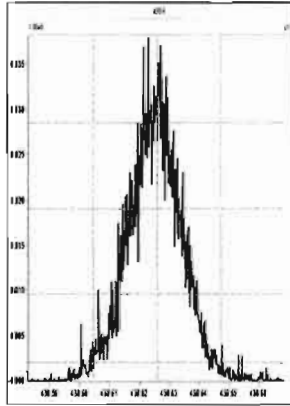
M 404.9760 R 13090



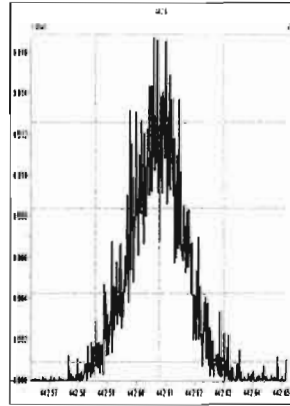
M 416.9760 R 14779



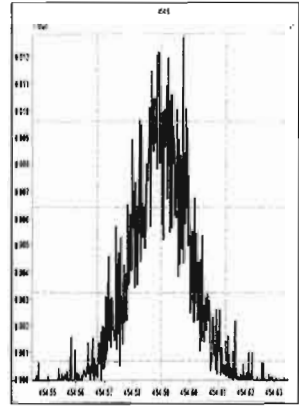
M 430.9728 R 11424



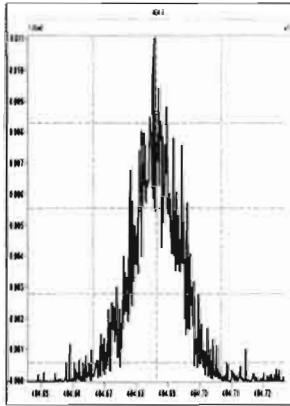
M 442.9728 R 12357



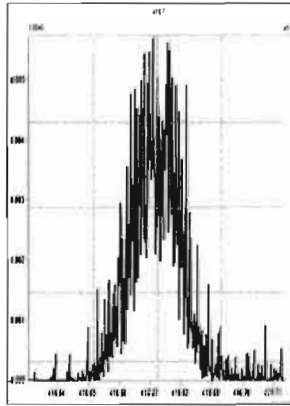
M 454.9728 R 13210



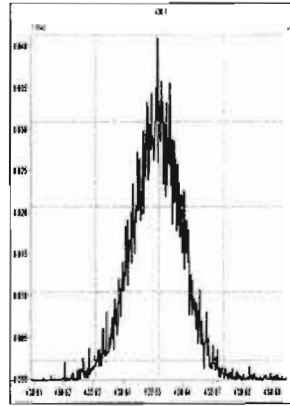
M 404.9760 R 14145



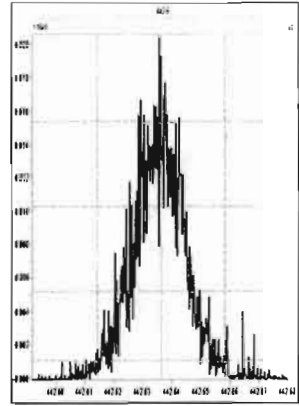
M 416.9760 R 12637



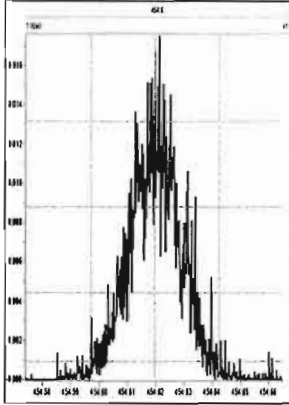
M 430.9728 R 12410



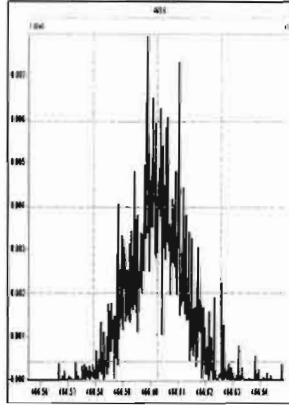
M 442.9728 R 13077



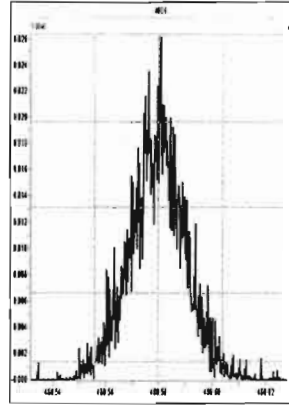
M 454.9728 R 11827



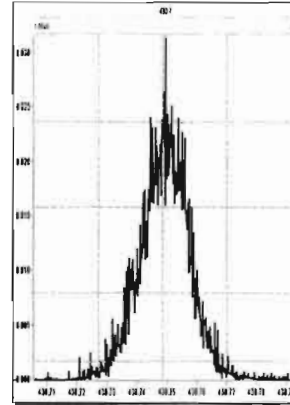
M 466.9728 R 15490



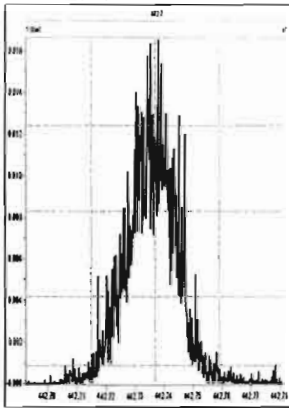
M 480.9696 R 11688



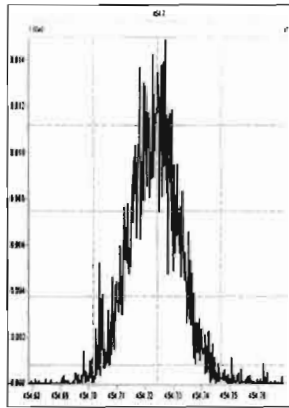
M 430.9728 R 12107



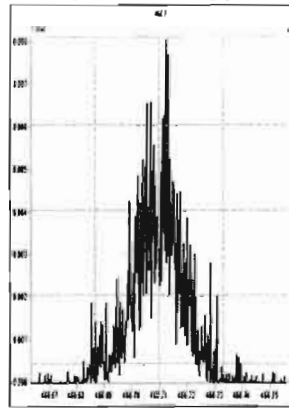
M 442.9728 R 13259



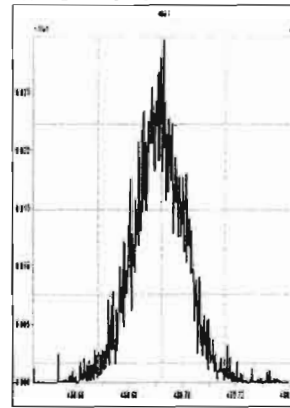
M 454.9728 R 12781



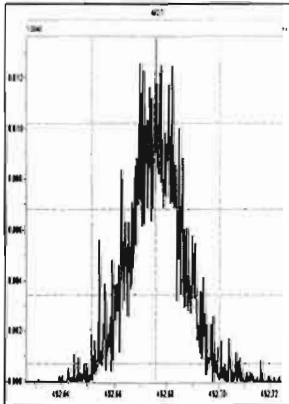
M 466.9728 R 13640



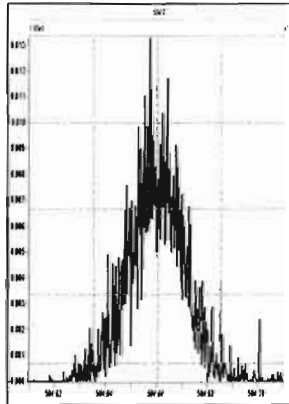
M 480.9696 R 11926



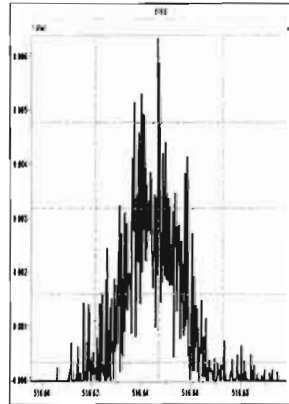
M 492.9696 R 12854



M 504.9696 R 12857



M 516.9697 R 16364



PKMS CALIBRATION STANDARDS REVIEW CHECKLIST

Begin Calibration ID: ST20121221-1

Reviewed By: GEB 12/14/2020

Initials & Date

End Calibration ID: NA

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

	<u>Begin</u>	<u>End</u>
Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Integrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GC Break <20%		<input checked="" type="checkbox"/>
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input checked="" type="checkbox"/>

Comments:
 End calibration failed, instrument ramped
 End calibration printed following day

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-1.qld

Last Altered: Sunday, December 13, 2020 11:37:04 Pacific Standard Time

Printed: Sunday, December 13, 2020 11:37:43 Pacific Standard Time

Hc 12-13-2020
GPB 12/14/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	1.92e5	1.86e6	0.77	NO	0.980	26.42	26.41	NO	1.001	1.001	10.519	105	NO
2	2 1,2,3,7,8-PeCDD	7.11e5	1.45e6	0.62	NO	0.932	31.09	31.08	NO	1.001	1.000	52.764	106	NO
3	3 1,2,3,4,7,8-HxCDD	6.21e5	1.14e6	1.24	NO	1.02	34.39	34.38	NO	1.001	1.000	53.215	106	NO
4	4 1,2,3,6,7,8-HxCDD	6.03e5	1.27e6	1.24	NO	0.902	34.50	34.50	NO	1.001	1.001	52.694	105	NO
5	5 1,2,3,7,8,9-HxCDD	6.12e5	1.25e6	1.24	NO	0.954	34.77	34.77	NO	1.000	1.000	51.288	103	NO
6	6 1,2,3,4,6,7,8-HpCDD	4.38e5	9.51e5	1.03	NO	0.918	38.22	38.23	NO	1.000	1.001	50.182	100	NO
7	7 OCDD	7.14e5	1.55e6	0.87	NO	0.866	41.15	41.15	NO	1.000	1.000	106.66	107	NO
8	8 2,3,7,8-TCDF	2.11e5	2.57e6	0.75	NO	0.848	25.70	25.73	NO	1.000	1.001	9.6537	96.5	NO
9	9 1,2,3,7,8-PeCDF	1.04e6	2.09e6	1.55	NO	0.960	29.81	29.83	NO	1.000	1.001	52.165	104	NO
10	10 2,3,4,7,8-PeCDF	1.08e6	1.96e6	1.54	NO	1.07	30.89	30.88	NO	1.001	1.000	51.574	103	NO
11	11 1,2,3,4,7,8-HxCDF	7.22e5	1.44e6	1.21	NO	0.986	33.47	33.47	NO	1.000	1.000	50.856	102	NO
12	12 1,2,3,6,7,8-HxCDF	7.65e5	1.47e6	1.22	NO	1.04	33.61	33.60	NO	1.001	1.000	50.185	100	NO
13	13 2,3,4,6,7,8-HxCDF	7.30e5	1.41e6	1.21	NO	1.02	34.27	34.27	NO	1.001	1.001	50.630	101	NO
14	14 1,2,3,7,8,9-HxCDF	6.32e5	1.26e6	1.22	NO	0.991	35.27	35.27	NO	1.000	1.000	50.487	101	NO
15	15 1,2,3,4,6,7,8-HpCDF	5.21e5	9.91e5	1.01	NO	1.05	36.85	36.84	NO	1.000	1.000	50.069	100	NO
16	16 1,2,3,4,7,8,9-HpCDF	4.69e5	7.82e5	1.01	NO	1.18	38.85	38.85	NO	1.000	1.000	51.009	102	NO
17	17 OCDF	7.64e5	1.66e6	0.89	NO	0.896	41.44	41.44	NO	1.000	1.000	102.74	103	NO
18	18 13C-2,3,7,8-TCDD	1.86e6	1.69e6	0.79	NO	1.06	26.40	26.39	NO	1.030	1.030	103.94	104	NO
19	19 13C-1,2,3,7,8-PeCDD	1.45e6	1.69e6	0.64	NO	0.785	31.25	31.06	NO	1.219	1.212	108.73	109	NO
20	20 13C-1,2,3,4,7,8-HxCDD	1.14e6	1.68e6	1.29	NO	0.621	34.36	34.37	NO	1.014	1.014	109.64	110	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.27e6	1.68e6	1.27	NO	0.734	34.48	34.48	NO	1.017	1.017	102.68	103	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.25e6	1.68e6	1.27	NO	0.723	34.76	34.76	NO	1.026	1.025	102.85	103	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	9.51e5	1.68e6	1.06	NO	0.568	38.27	38.21	NO	1.129	1.127	99.617	99.6	NO
24	24 13C-OCDD	1.55e6	1.68e6	0.90	NO	0.496	41.21	41.14	NO	1.216	1.214	185.49	92.7	NO
25	25 13C-2,3,7,8-TCDF	2.57e6	2.63e6	0.78	NO	0.919	25.70	25.70	NO	1.003	1.003	106.50	106	NO
26	26 13C-1,2,3,7,8-PeCDF	2.09e6	2.63e6	1.58	NO	0.715	29.96	29.81	NO	1.169	1.163	110.97	111	NO
27	27 13C-2,3,4,7,8-PeCDF	1.96e6	2.63e6	1.59	NO	0.689	31.04	30.87	NO	1.212	1.205	108.47	108	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.44e6	1.68e6	0.51	NO	0.873	33.46	33.46	NO	0.987	0.987	98.034	98.0	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.47e6	1.68e6	0.51	NO	0.933	33.59	33.59	NO	0.991	0.991	93.481	93.5	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.41e6	1.68e6	0.51	NO	0.843	34.26	34.25	NO	1.011	1.011	99.707	99.7	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.26e6	1.68e6	0.51	NO	0.780	35.26	35.26	NO	1.040	1.040	96.255	96.3	NO

Dataset: U:\VG12.PRO\Results\201212R1\201212R1-1.qld

Last Altered: Sunday, December 13, 2020 11:37:04 Pacific Standard Time
Printed: Sunday, December 13, 2020 11:37:43 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	13C-1,2,3,4,6,7,8-HpCDF	9.91e5	1.68e6	0.44	NO	0.726	36.84	36.83	NO	1.087	1.086	81.134	81.1	NO
33	13C-1,2,3,4,7,8,9-HpCDF	7.82e5	1.68e6	0.43	NO	0.491	38.85	38.84	NO	1.146	1.146	94.659	94.7	NO
34	13C-OCDF	1.66e6	1.68e6	0.88	NO	0.565	41.42	41.43	NO	1.222	1.222	174.59	87.3	NO
35	37Cl-2,3,7,8-TCDD	2.34e5	1.69e6			1.22	26.39	26.41	NO	1.030	1.031	11.351	114	NO
36	13C-1,2,3,4-TCDD	1.69e6	1.69e6	0.79	NO	1.00	25.64	25.63	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	2.63e6	2.63e6	0.78	NO	1.00	24.13	24.13	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	1.68e6	1.68e6	0.51	NO	1.00	33.92	33.90	NO	1.000	1.000	100.00	100	YES <i>OK</i>

Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:38:26 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

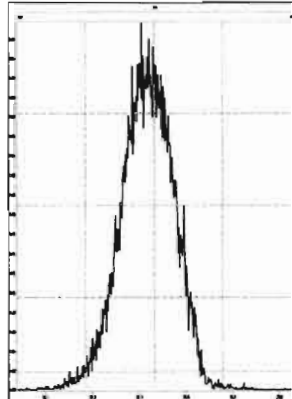
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	201212R1_1	ST201212R1_1 1613 CS3 20L0301	12-Dec-20	11:44:35
2	201212R1_2	SOLVENT BLANK	12-Dec-20	12:29:35
3	201212R1_3	SOLVENT BLANK	12-Dec-20	13:14:37
4	201212R1_4	BOL0064-BLK1 Method Blank 1	12-Dec-20	13:59:44
5	201212R1_5	2002431-07 USMPDI-044SC-A-11-12-201104 ...	12-Dec-20	14:46:49
6	201212R1_6	2002431-08 USMPDI-049SC-A-14-15-201104 ...	12-Dec-20	15:31:05
7	201212R1_7	2002431-09 USMPDI-049SC-A-15-16-201104 ...	12-Dec-20	16:15:19
8	201212R1_8	2002434-01 USMPDI-021SC-A-01-02-201107 ...	12-Dec-20	16:59:35
9	201212R1_9	2002434-02 USMPDI-021SC-A-02-03-201107 ...	12-Dec-20	17:43:49
10	201212R1_10	2002434-03 USMPDI-021SC-A-03-04-201107 ...	12-Dec-20	18:28:04
11	201212R1_11	2002434-04 USMPDI-021SC-A-04-05-201107 ...	12-Dec-20	19:12:18

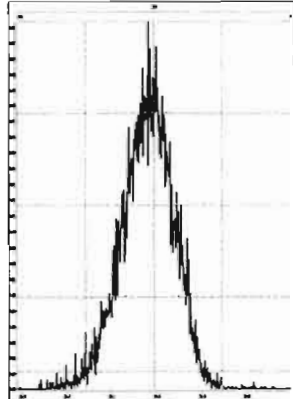
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Saturday, December 12, 2020 11:40:53 Pacific Standard Time

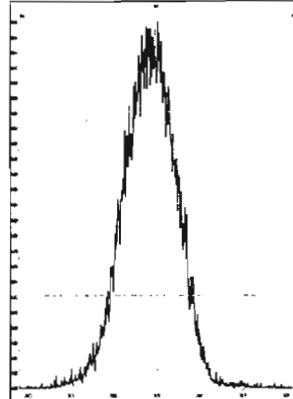
M 292.9824 R 12253



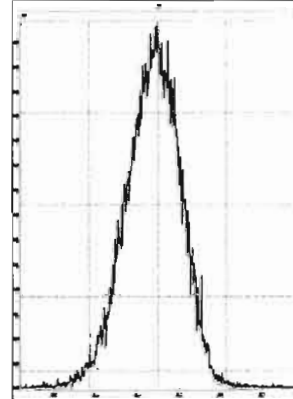
M 304.9824 R 11907



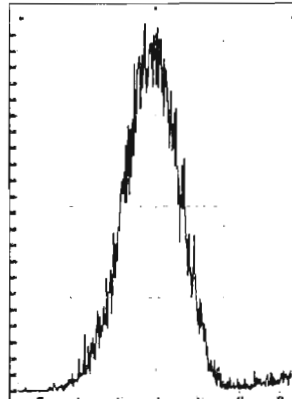
M 318.9792 R 11160



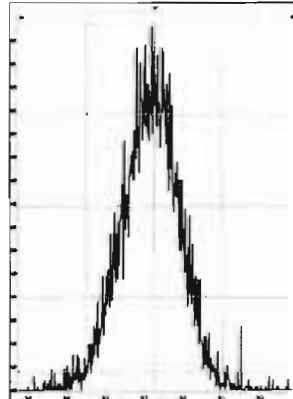
M 330.9792 R 10686



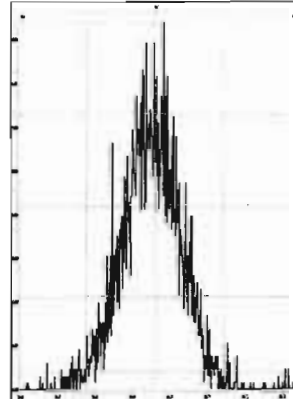
M 342.9792 R 10460



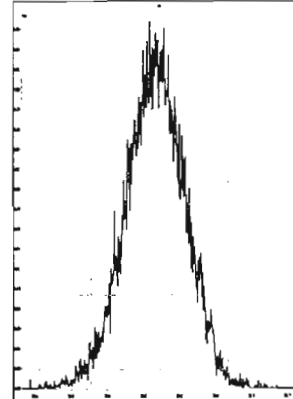
M 354.9792 R 10502



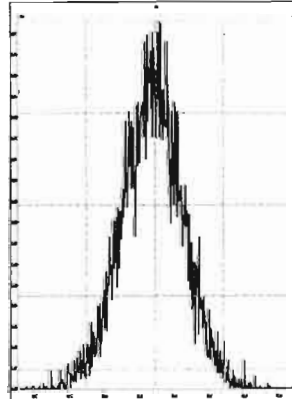
M 366.9792 R 12691



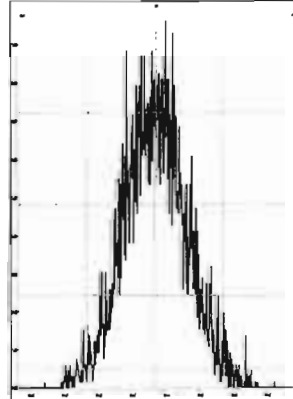
M 380.9760 R 10728



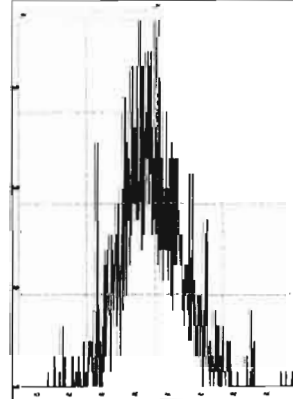
M 392.9760 R 10461



M 404.9760 R 11260



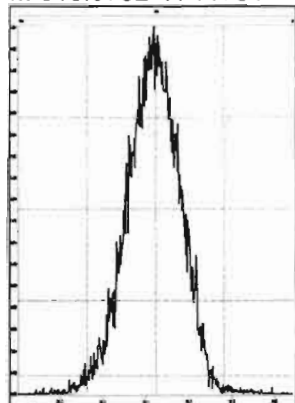
M 416.9760 R 13658



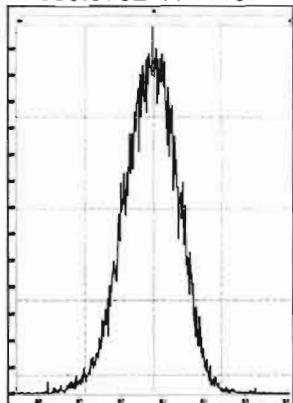
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Saturday, December 12, 2020 11:41:53 Pacific Standard Time

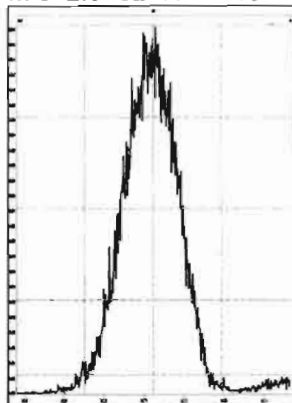
M 318.9792 R 11791



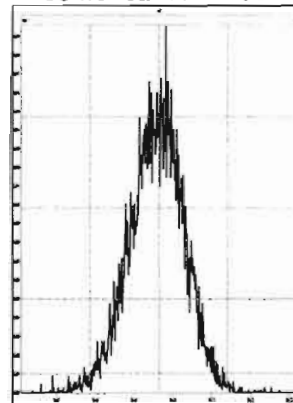
M 330.9792 R 11157



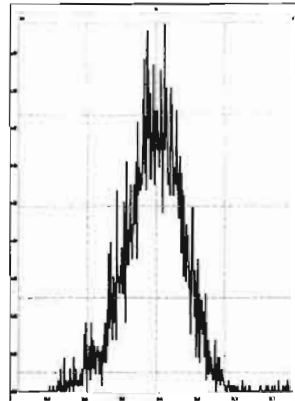
M 342.9792 R 11415



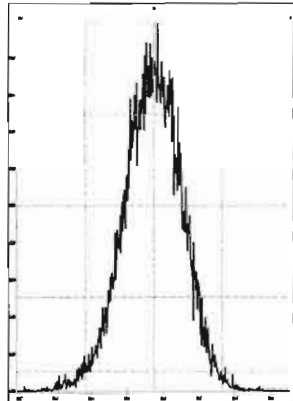
M 354.9792 R 11158



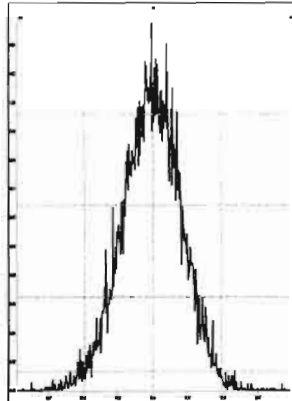
M 366.9792 R 12315



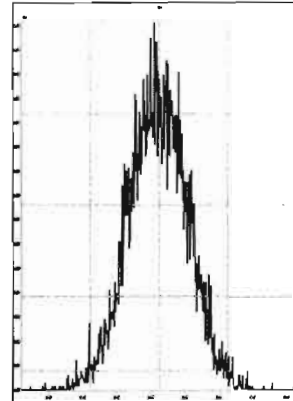
M 380.9760 R 10636



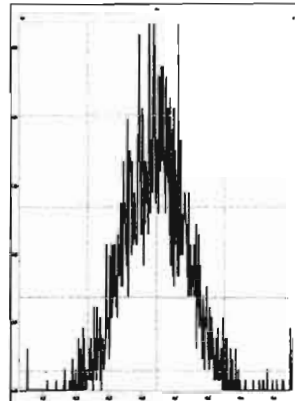
M 392.9760 R 10163



M 404.9760 R 10244



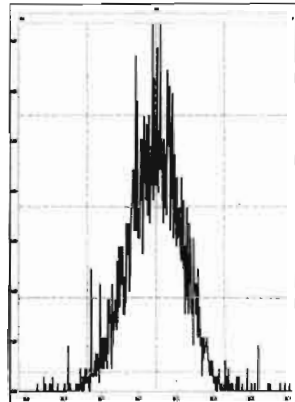
M 416.9760 R 12196



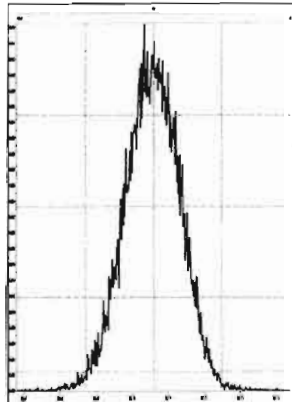
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Saturday, December 12, 2020 11:42:23 Pacific Standard Time

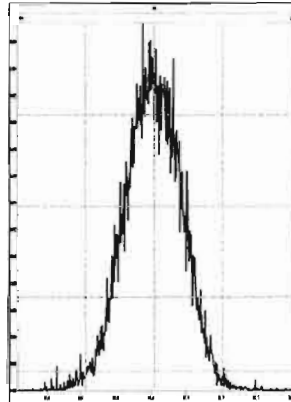
M 366.9792 R 11157



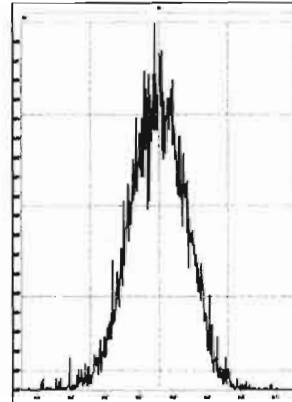
M 380.9760 R 10822



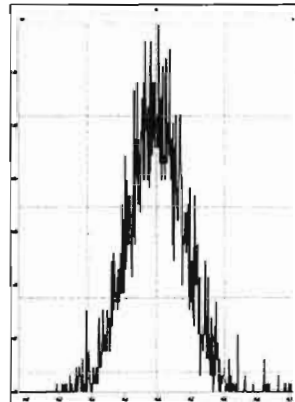
M 392.9760 R 10546



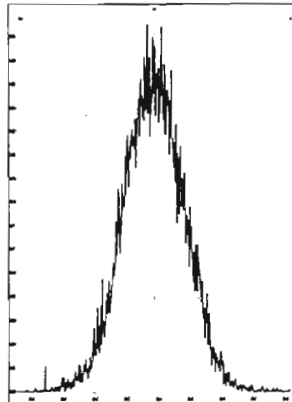
M 404.9760 R 10729



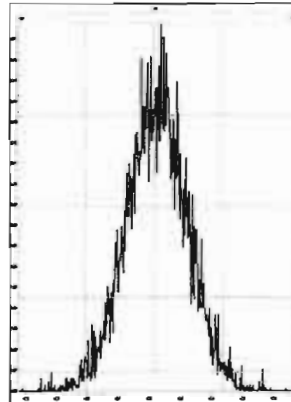
M 416.9760 R 11846



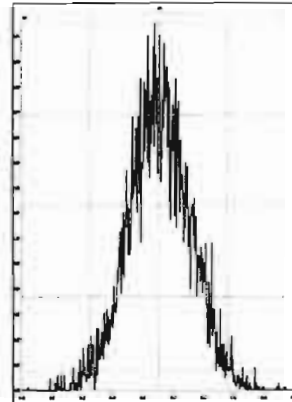
M 430.9728 R 10122



M 442.9728 R 10120



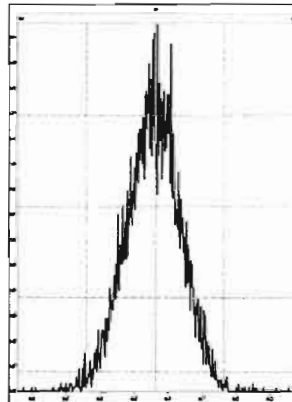
M 454.9728 R 10867



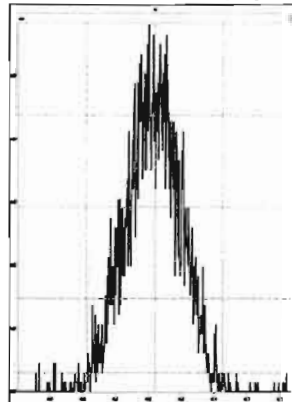
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Saturday, December 12, 2020 11:42:42 Pacific Standard Time

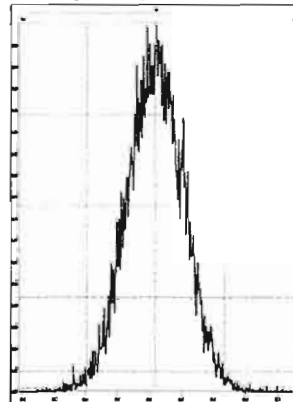
M 404.9760 R 11207



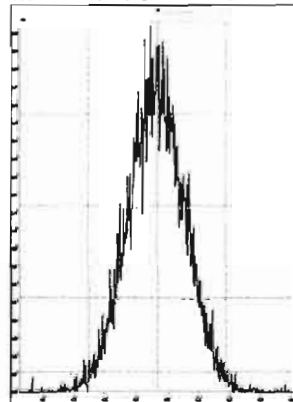
M 416.9760 R 12076



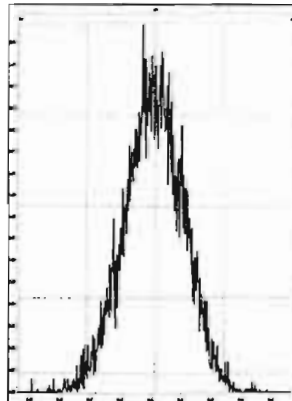
M 430.9728 R 11112



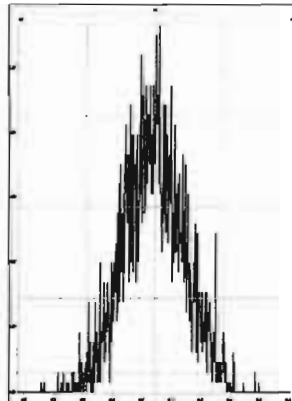
M 442.9728 R 11311



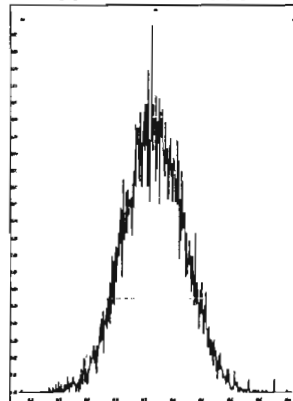
M 454.9728 R 10205



M 466.9728 R 11210



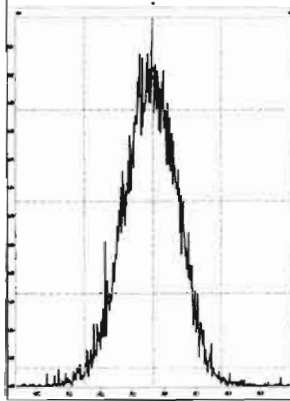
M 480.9696 R 10685



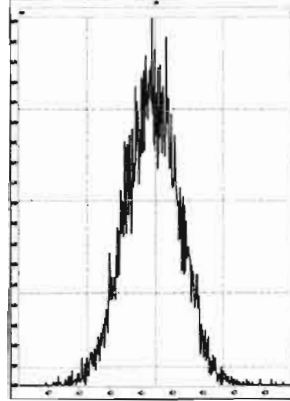
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Saturday, December 12, 2020 11:42:58 Pacific Standard Time

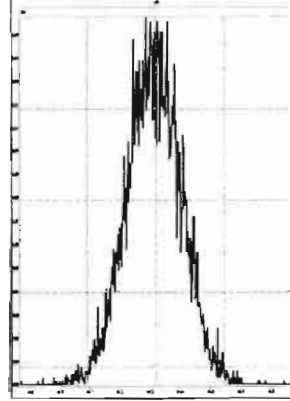
M 430.9728 R 11574



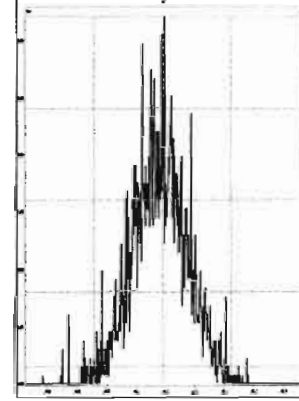
M 442.9728 R 12079



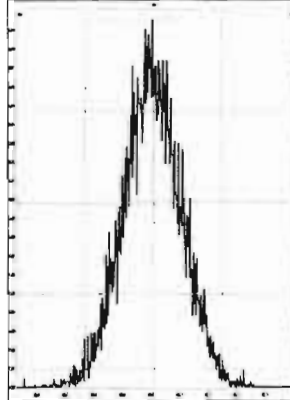
M 454.9728 R 11360



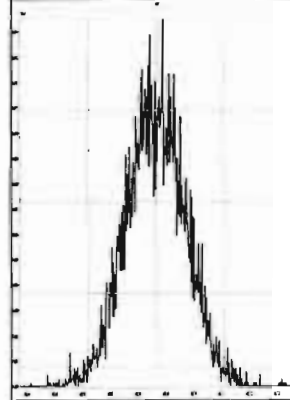
M 466.9728 R 11213



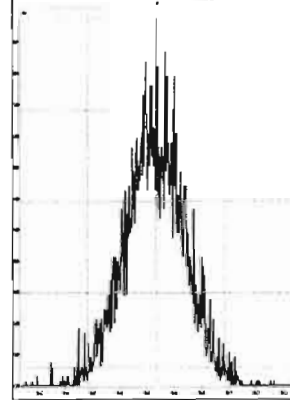
M 480.9696 R 10590



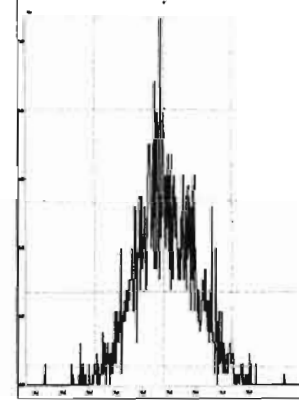
M 492.9696 R 10330



M 504.9696 R 10371



M 516.9697 R 14367



Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:46:44 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:48:55 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 11 Dec 2020 14:14:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.62
2	2 1,2,8,9-TCDD (Last)	27.30
3	3 1,2,4,7,9-PeCDD (First)	28.83
4	4 1,2,3,8,9-PeCDD (Last)	31.44
5	5 1,2,4,6,7,9-HxCDD (First)	32.74
6	6 1,2,3,7,8,9-HxCDD (Last)	34.77
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.23
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.23
9	9 1,3,6,8-TCDF (First)	20.36
10	10 1,2,8,9-TCDF (Last)	27.61
11	11 1,3,4,6,8-PeCDF (First)	27.18
12	12 1,2,3,8,9-PeCDF (Last)	31.79
13	13 1,2,3,4,6,8-HxCDF (First)	32.21
14	14 1,2,3,7,8,9-HxCDF (Last)	35.27
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.84
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.85

Dataset: Untitled

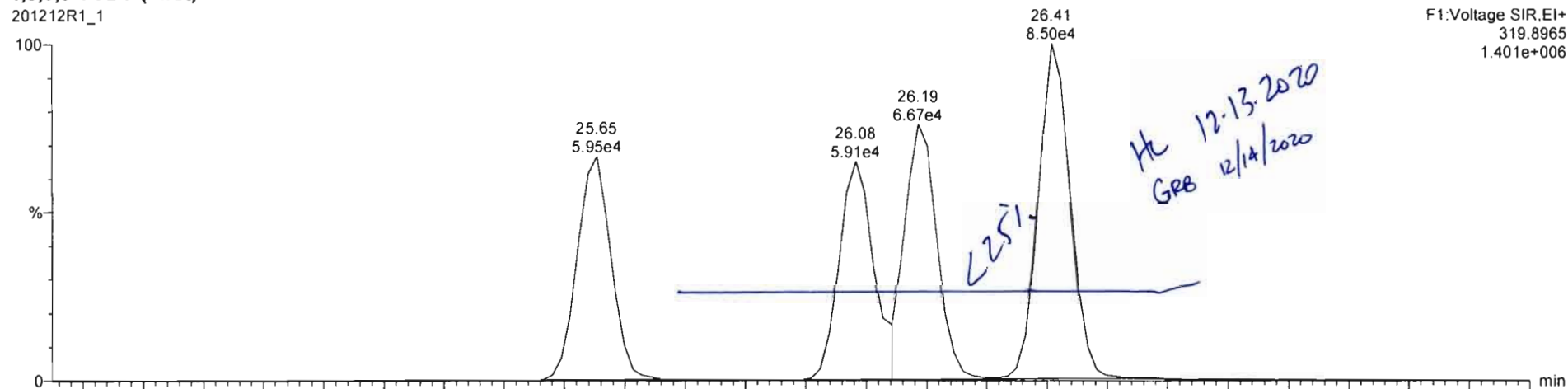
Last Altered: Sunday, December 13, 2020 08:46:44 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:48:55 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 11 Dec 2020 14:14:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

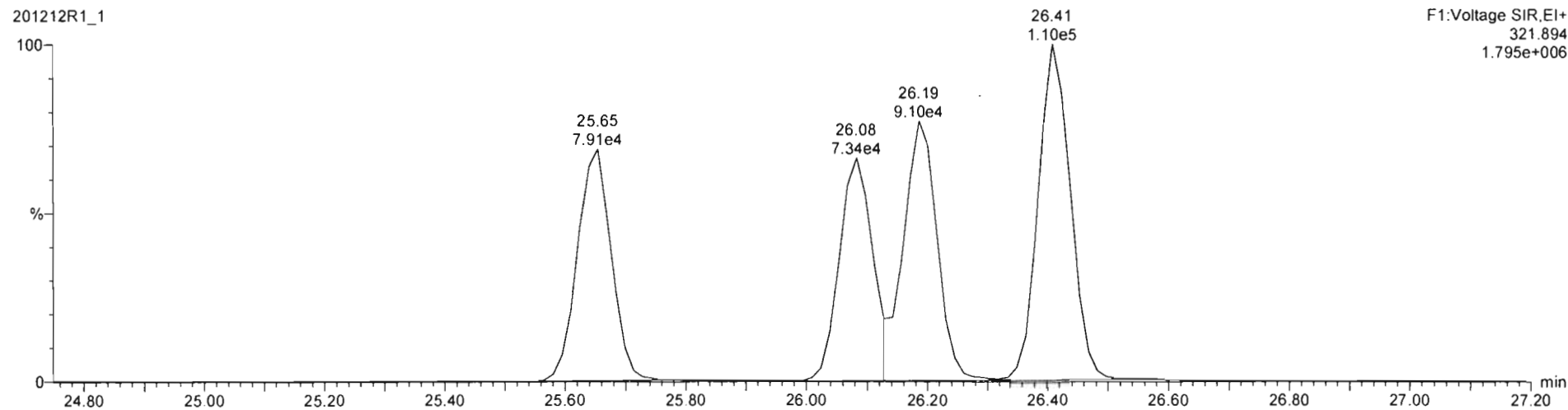
Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201212R1_1



201212R1_1



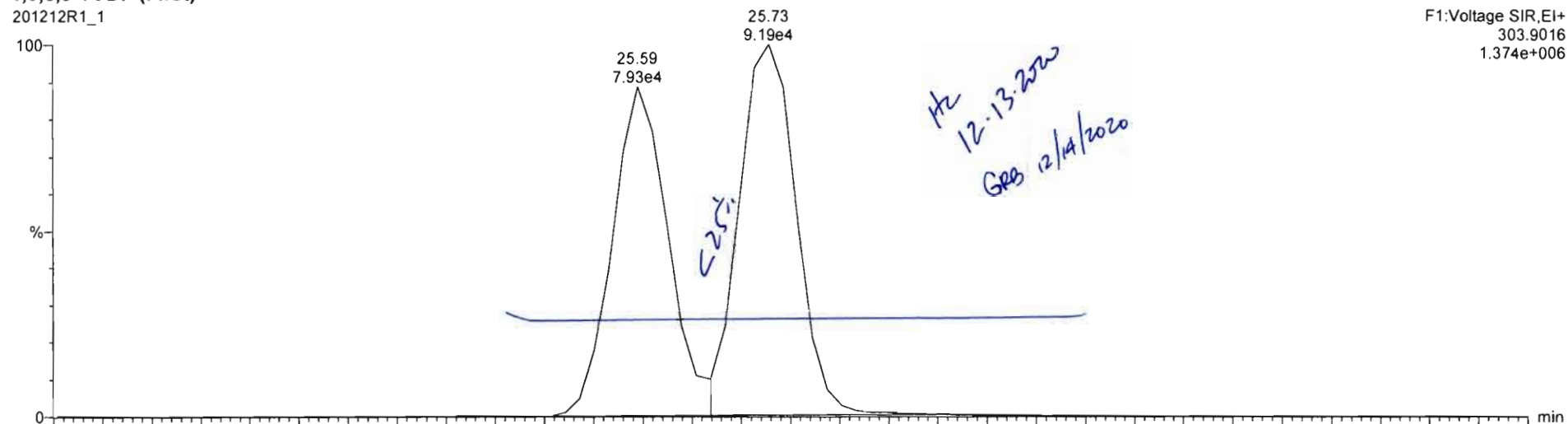
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:46:44 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:48:55 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

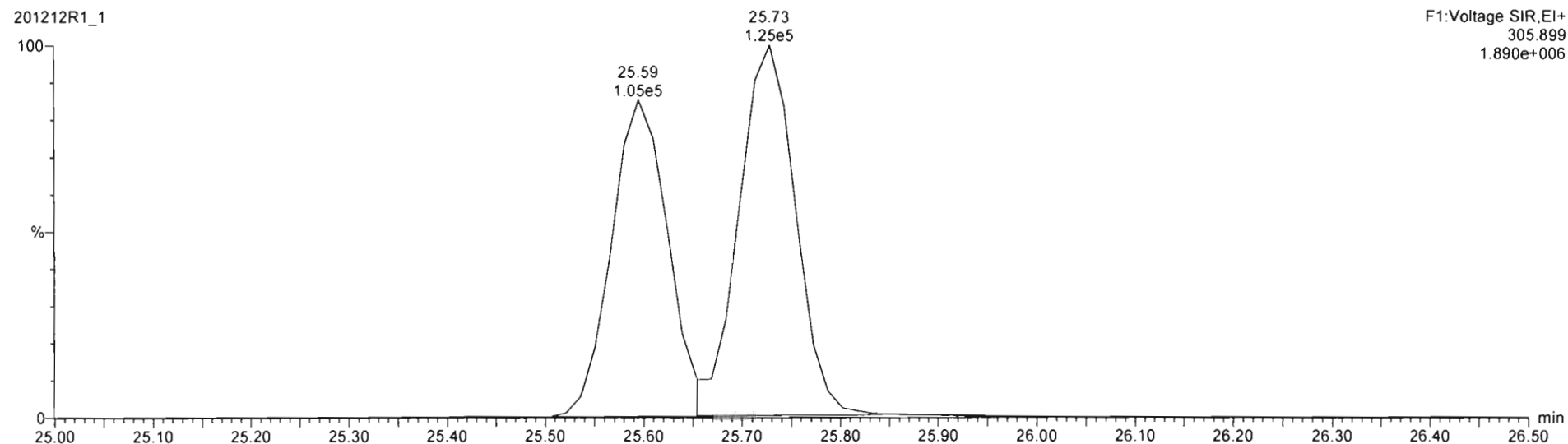
1,3,6,8-TCDF (First)

201212R1_1



F1:Voltage SIR,EI+
303.9016
1.374e+006

201212R1_1



F1:Voltage SIR,EI+
305.899
1.890e+006

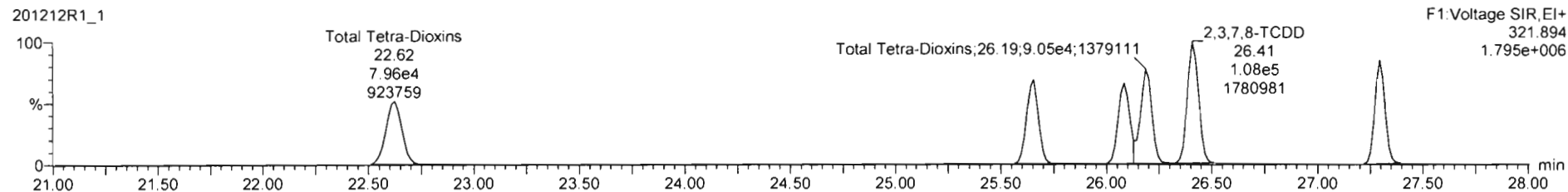
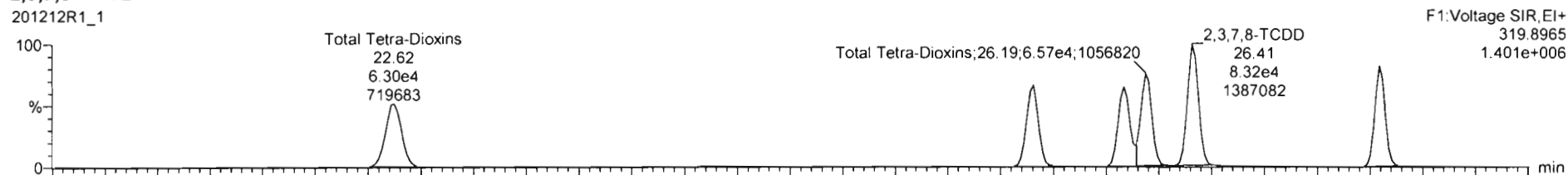
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

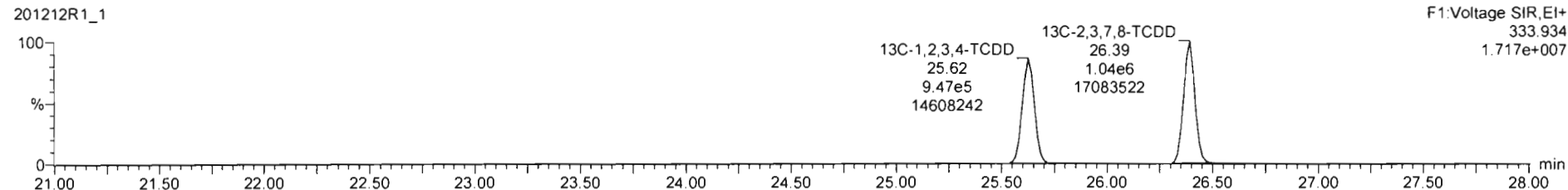
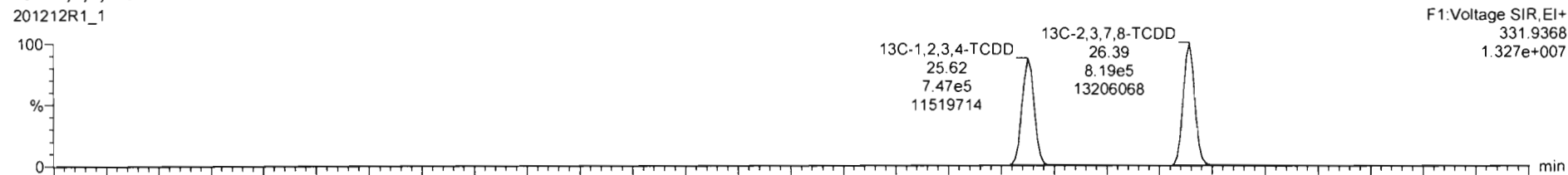
Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

2,3,7,8-TCDD



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



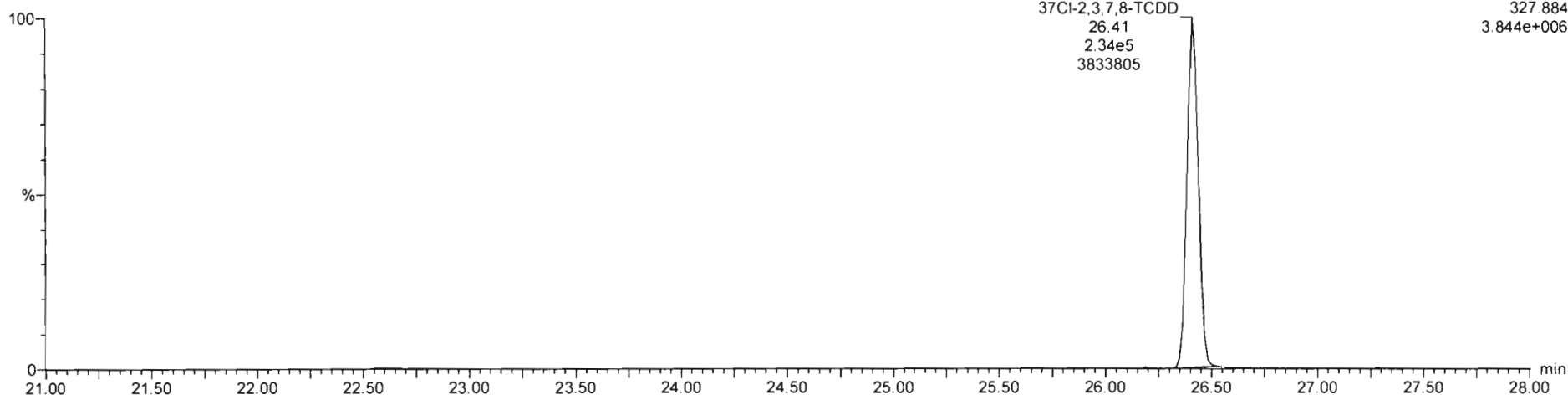
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

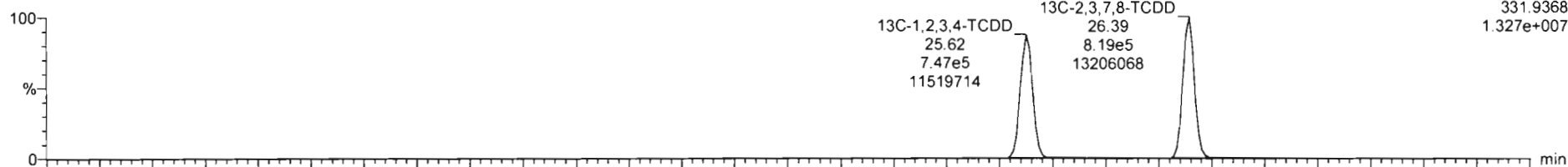
37Cl-2,3,7,8-TCDD

201212R1_1

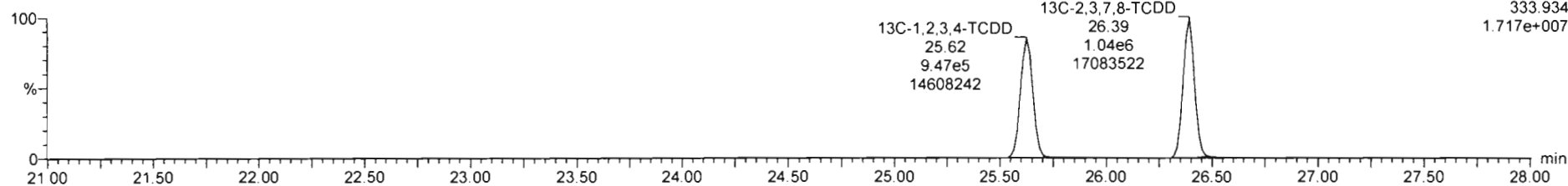


13C-1,2,3,4-TCDD

201212R1_1



201212R1_1



Dataset: Untitled

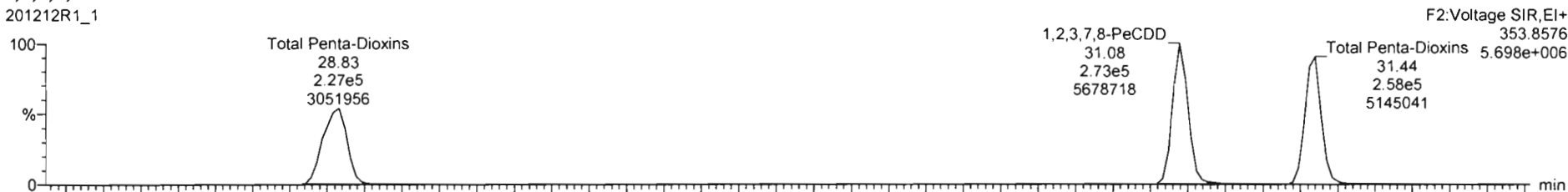
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

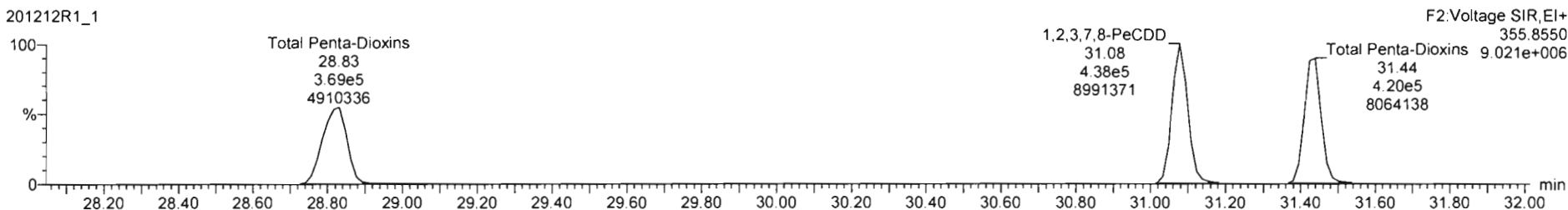
Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1,2,3,7,8-PeCDD

201212R1_1

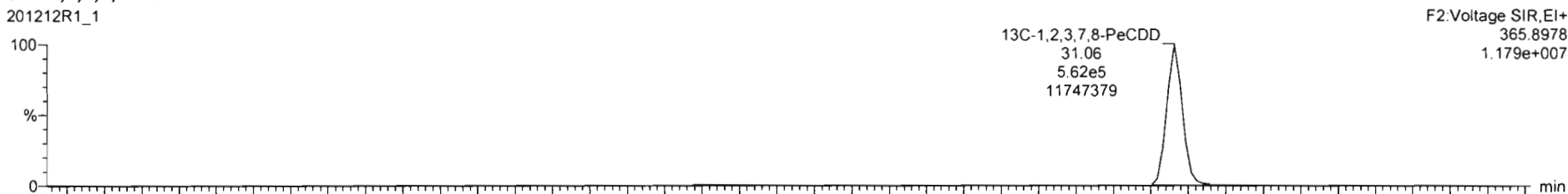


201212R1_1

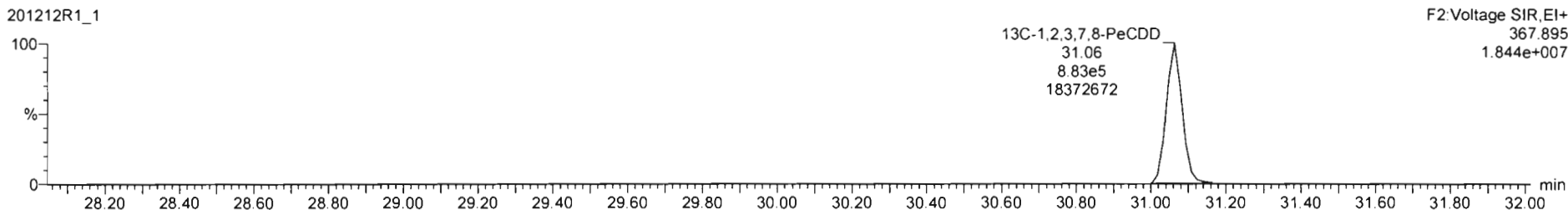


13C-1,2,3,7,8-PeCDD

201212R1_1



201212R1_1



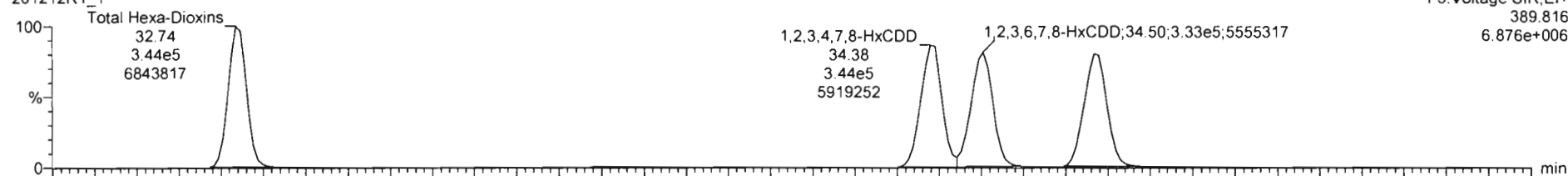
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

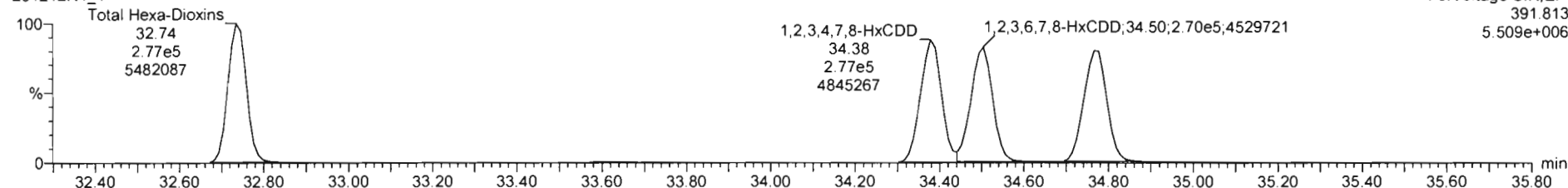
Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201212R1_1

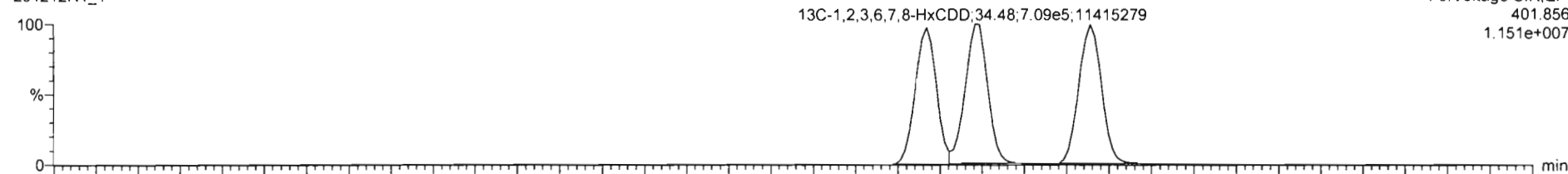


201212R1_1

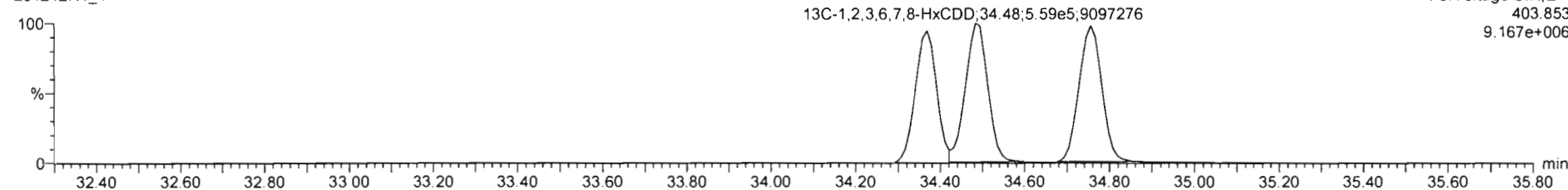


13C-1,2,3,4,7,8-HxCDD

201212R1_1



201212R1_1

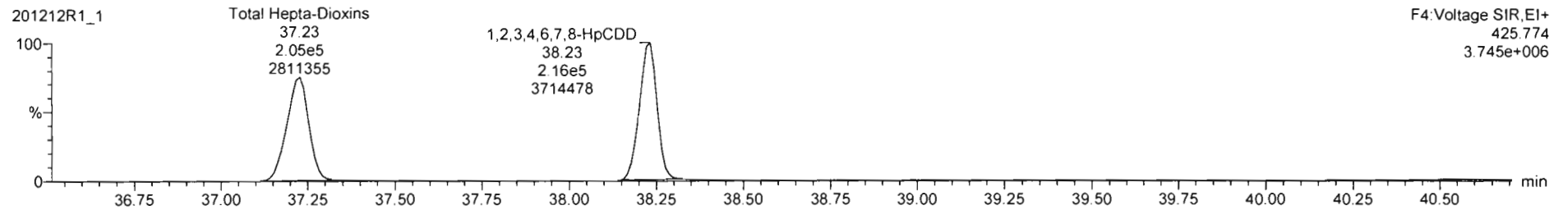
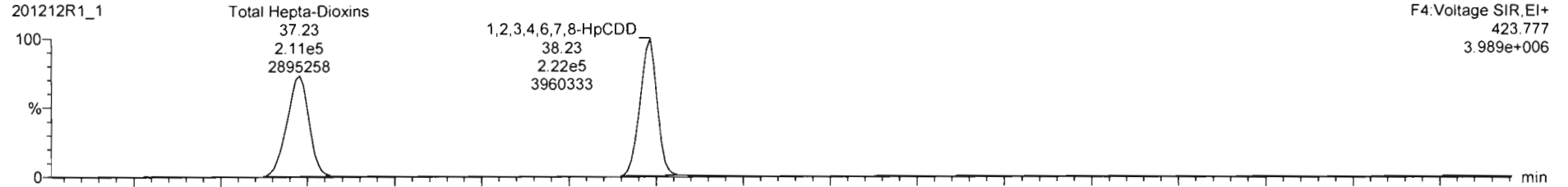


Dataset: Untitled

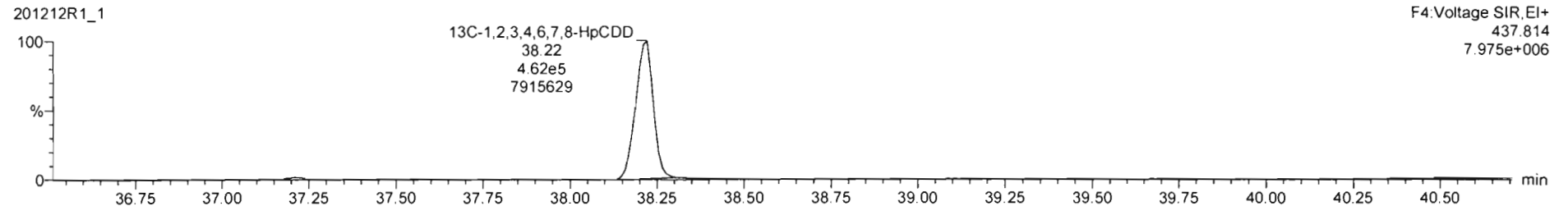
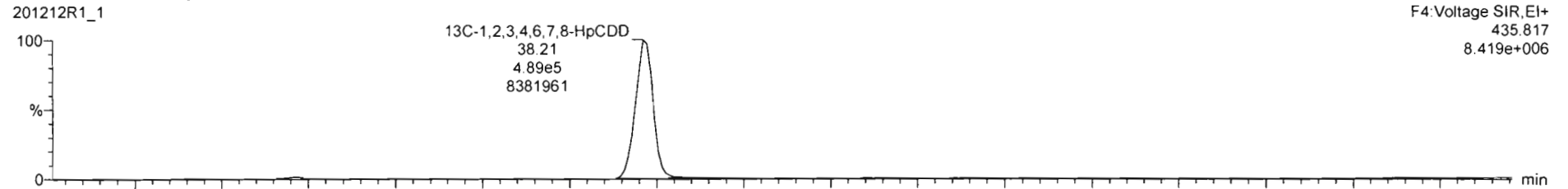
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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



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

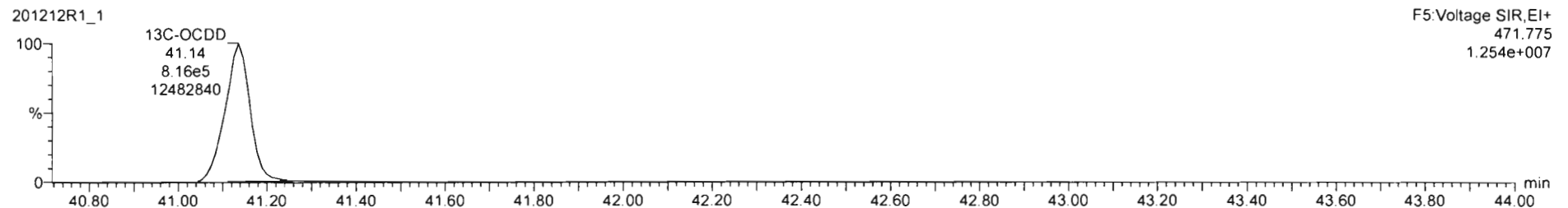
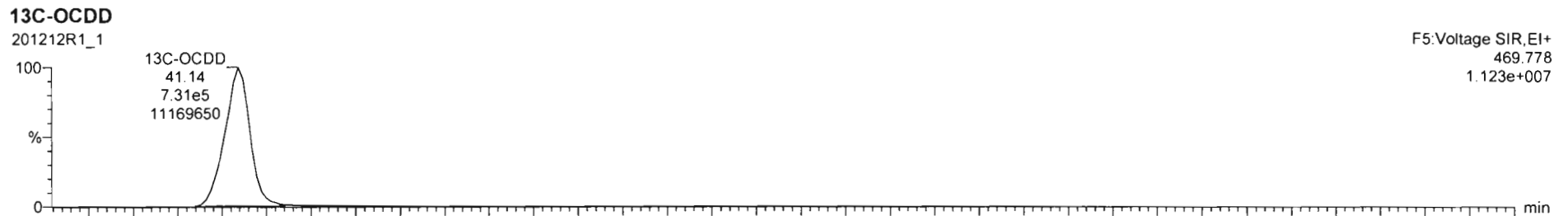
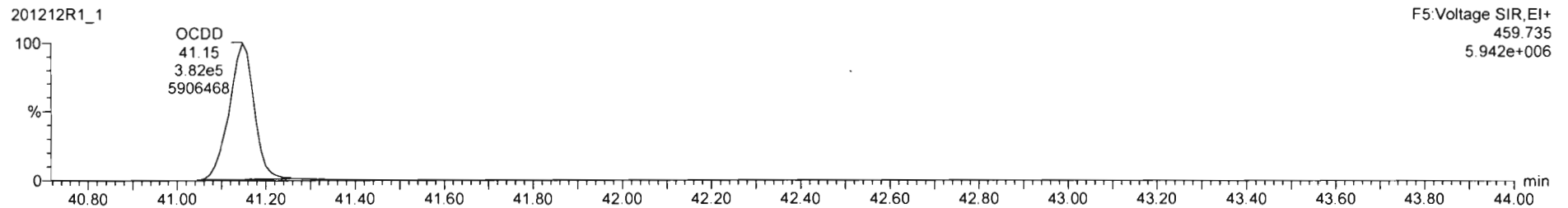
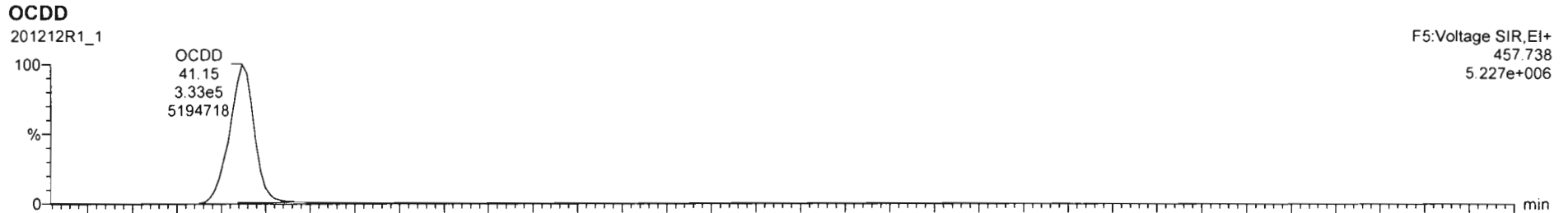


Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301



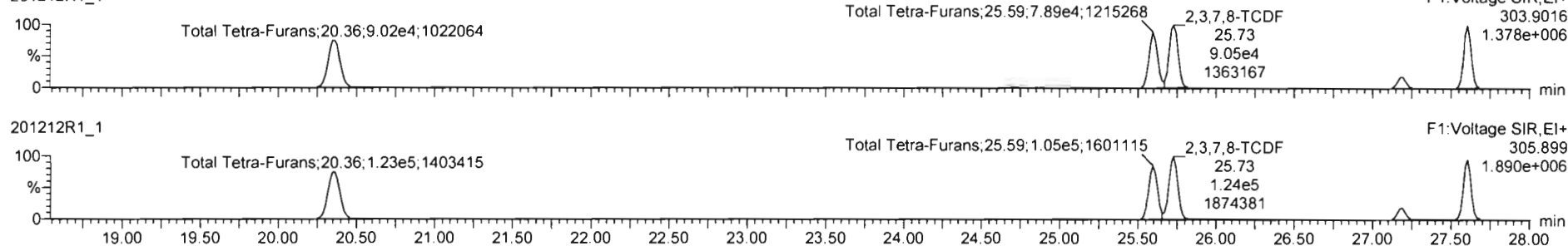
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

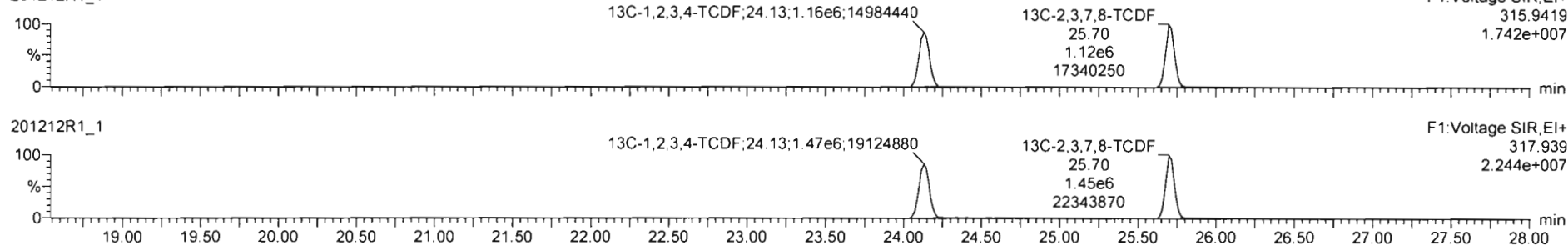
2,3,7,8-TCDF

201212R1_1



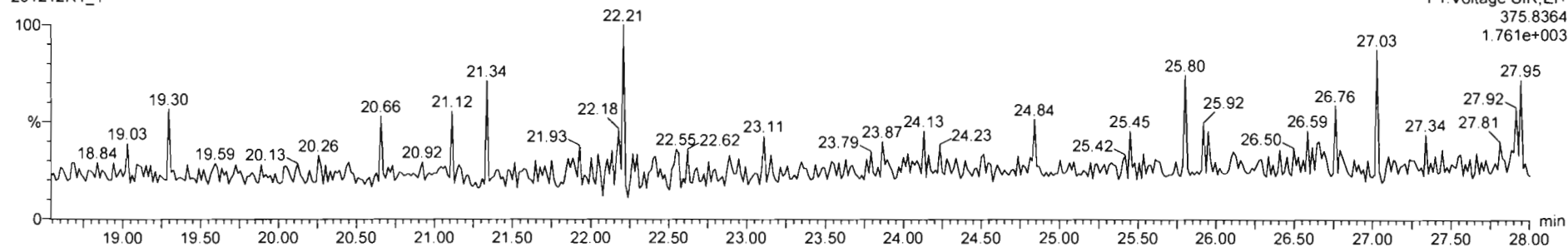
13C-2,3,7,8-TCDF

201212R1_1

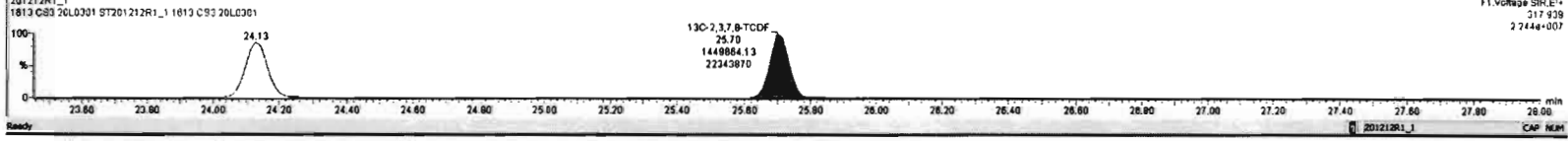
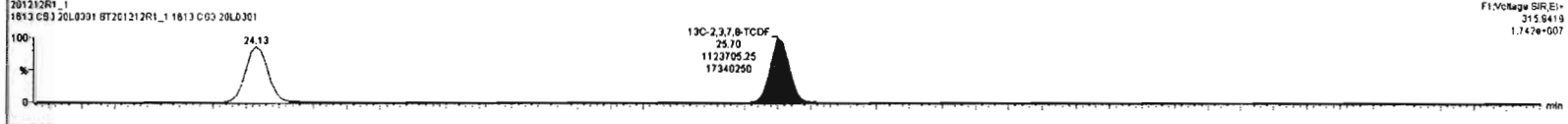
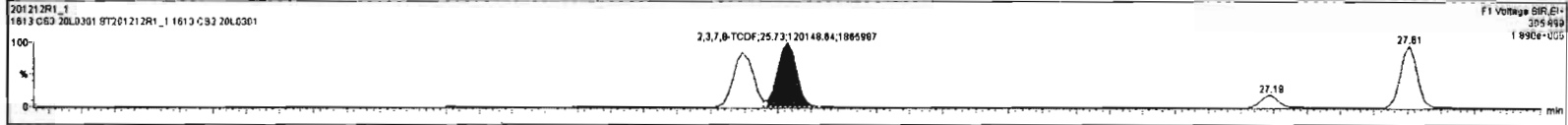
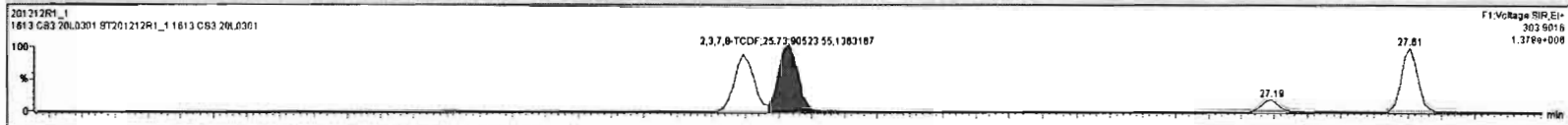


DPE1

201212R1_1



#	Name	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%	Area	Height	Width	Area%	Height%	Width%	
1	2,3,7,8-TCDF	1.92e5	1.89e6	0.77	0.77	NO	0.9805	26.43	26.41	NO	1.001	1.001	10.5	105	NO											
2	1,2,3,7,8-PeCDF	7.11e5	1.45e6	0.63	0.63	NO	0.9320	31.08	31.08	NO	1.001	1.000	52.8	100	NO											
3	1,2,3,4,7,8-HxCDD	6.21e5	1.14e6	1.24	1.24	NO	1.0203	34.30	34.30	NO	1.001	1.000	53.2	106	NO											
4	1,2,3,7,8-HxCDD	8.03e5	1.27e6	1.24	1.24	NO	0.9025	34.50	34.50	NO	1.001	1.001	52.7	105	NO											
5	1,2,3,7,8-HxCDD	8.12e5	1.25e6	1.24	1.24	NO	0.9542	34.77	34.77	NO	1.000	1.000	51.3	103	NO											
6	1,2,3,4,6,7,8-HpCDD	4.30e5	9.51e5	1.04	1.03	NO	0.9180	36.22	36.23	NO	1.000	1.001	50.2	100	NO											
7	TCDD	7.14e5	1.55e6	0.89	0.87	NO	0.9658	41.15	41.15	NO	1.000	1.000	107	107	NO											
8	2,3,7,8-TCDF	2.57e5	2.57e6	0.77	0.75	NO	0.9890	25.70	25.75	NO	1.005	1.001	9.90	98.5	NO											
9	1,2,3,7,8-PeCDF	1.04e6	2.05e6	1.51	1.55	NO	0.9597	29.81	29.83	NO	1.000	1.001	52.2	104	NO											
10	2,3,4,7,8-PeCDF	1.03e6	1.95e6	1.55	1.54	NO	1.0271	30.89	30.89	NO	1.001	1.000	51.6	103	NO											
11	1,2,3,4,7,8-HxCDF	7.22e5	1.44e6	1.24	1.21	NO	0.9859	33.47	33.47	NO	1.000	1.000	50.8	102	NO											
12	1,2,3,7,8-HxCDF	7.85e5	1.47e6	1.24	1.22	NO	1.0300	33.61	33.60	NO	1.001	1.000	50.2	100	NO											
13	2,3,4,6,7,8-HxCDF	7.30e5	1.41e6	1.24	1.21	NO	1.0202	34.27	34.27	NO	1.001	1.001	50.8	101	NO											
14	1,2,3,7,8-HxCDF	6.32e5	1.26e6	1.24	1.22	NO	0.9809	35.27	35.27	NO	1.000	1.000	50.5	101	NO											
15	1,2,3,4,6,7,8-HpCDF	5.21e5	9.91e5	1.04	1.01	NO	1.0492	36.85	36.84	NO	1.000	1.000	50.1	100	NO											
16	1,2,3,4,7,8-HpCDF	4.89e5	7.85e5	1.04	1.01	NO	1.1759	36.85	36.85	NO	1.000	1.000	51.0	102	NO											



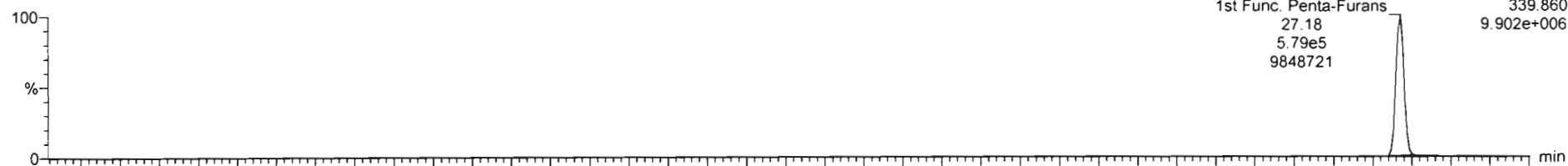
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

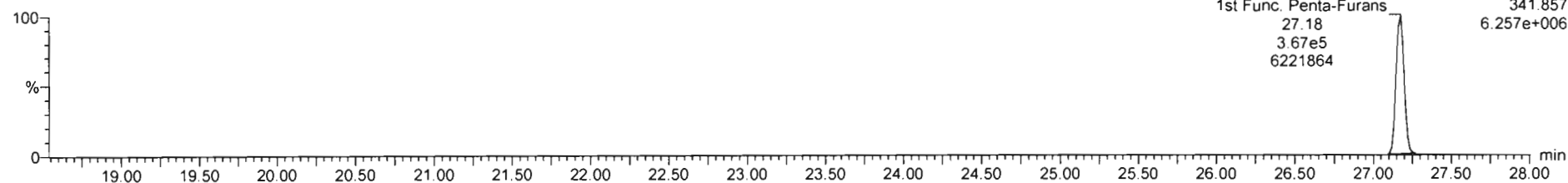
Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1st Func. Penta-Furans

201212R1_1

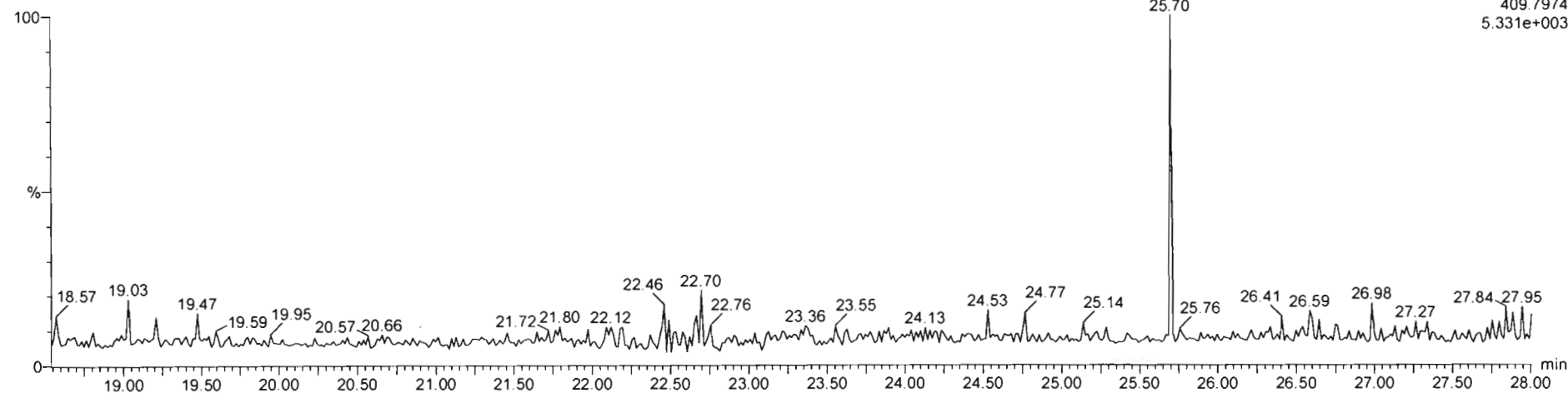


201212R1_1



DPE6

201212R1_1



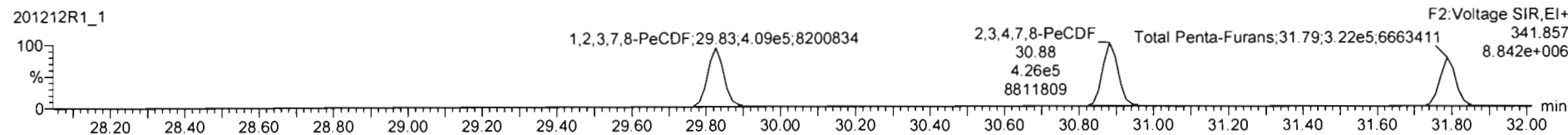
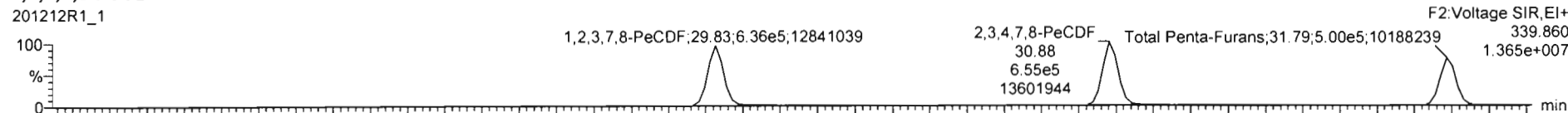
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

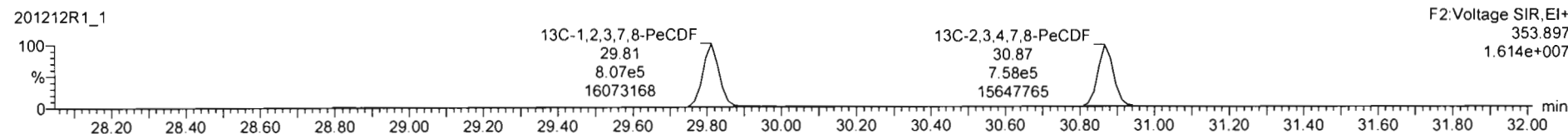
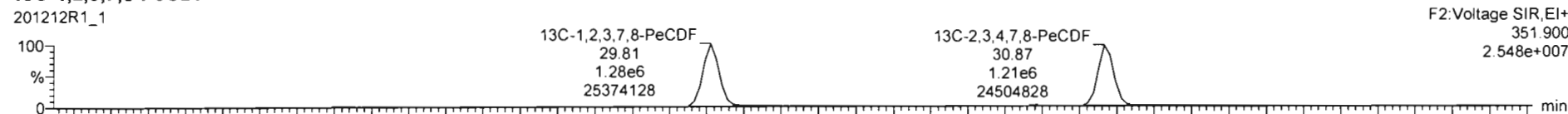
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

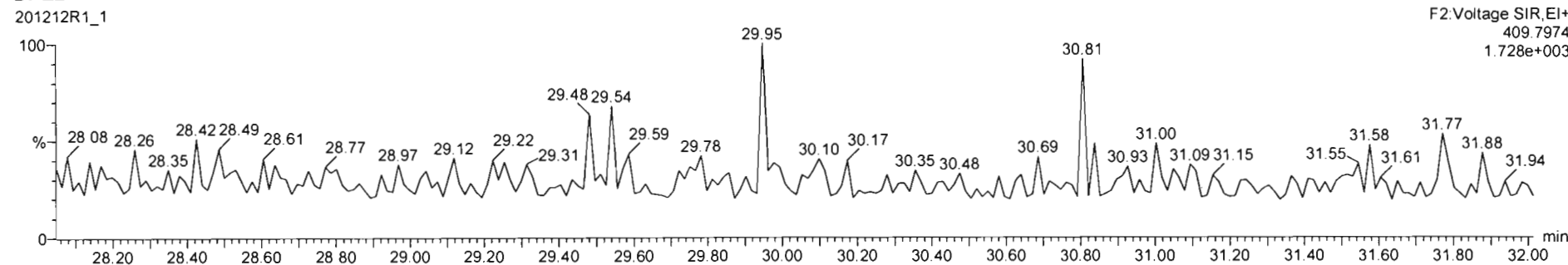
1,2,3,7,8-PeCDF



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



DPE2



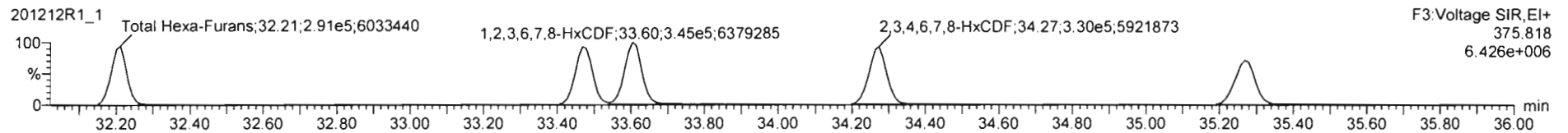
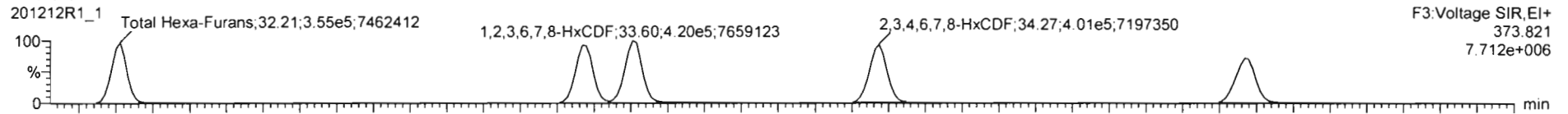
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

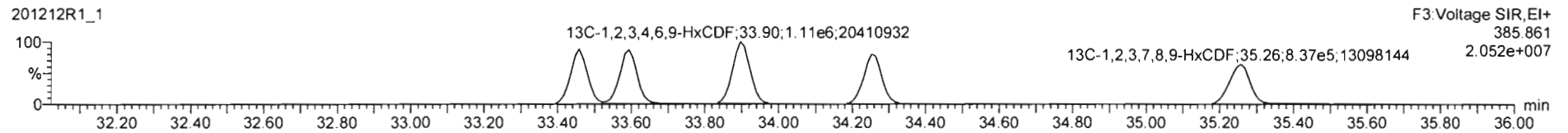
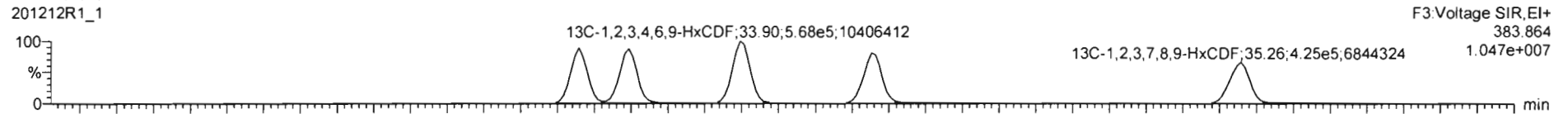
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

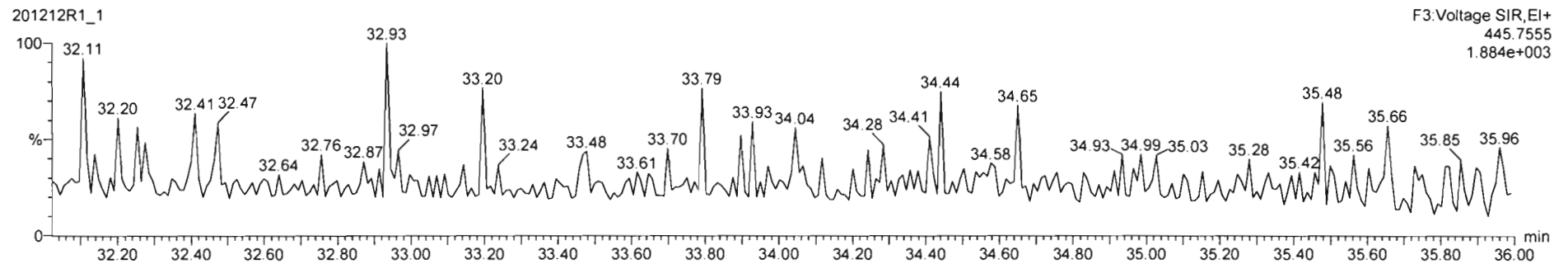
1,2,3,4,7,8-HxCDF



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



DPE3

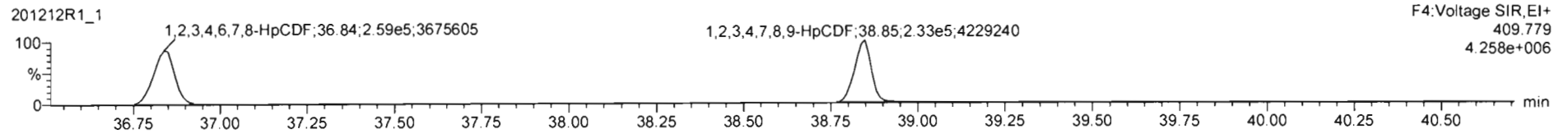
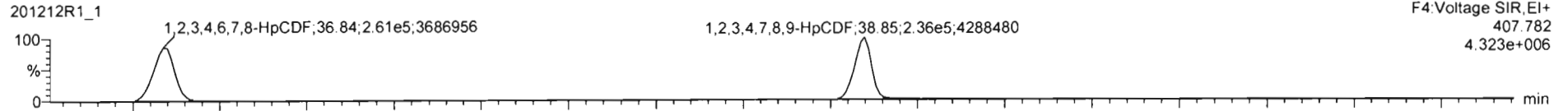


Dataset: Untitled

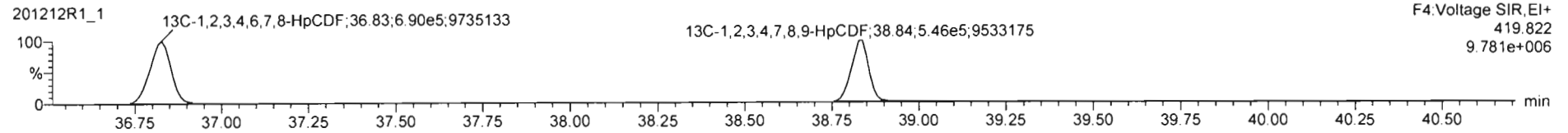
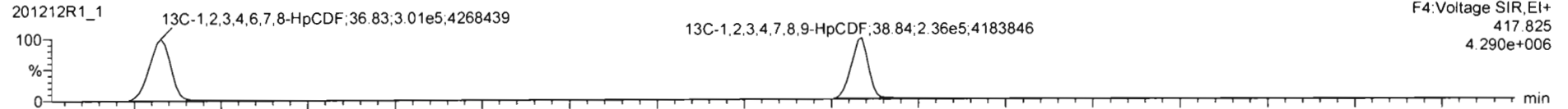
Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

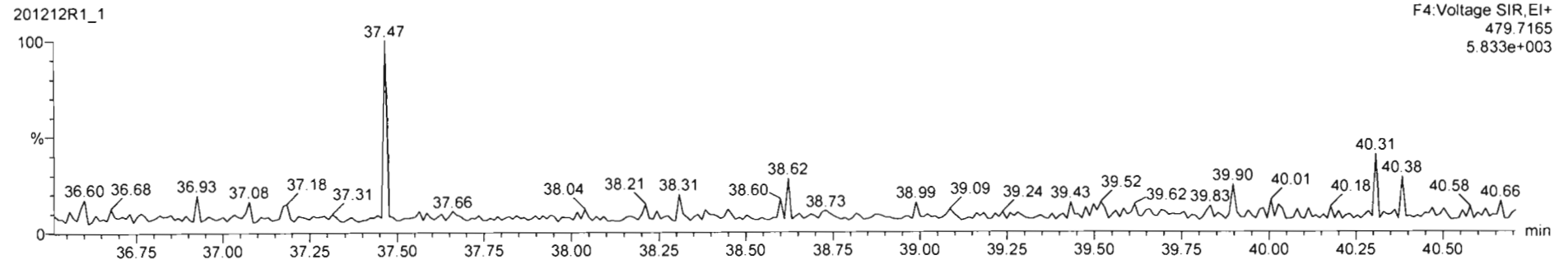
1,2,3,4,6,7,8-HpCDF



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



DPE4

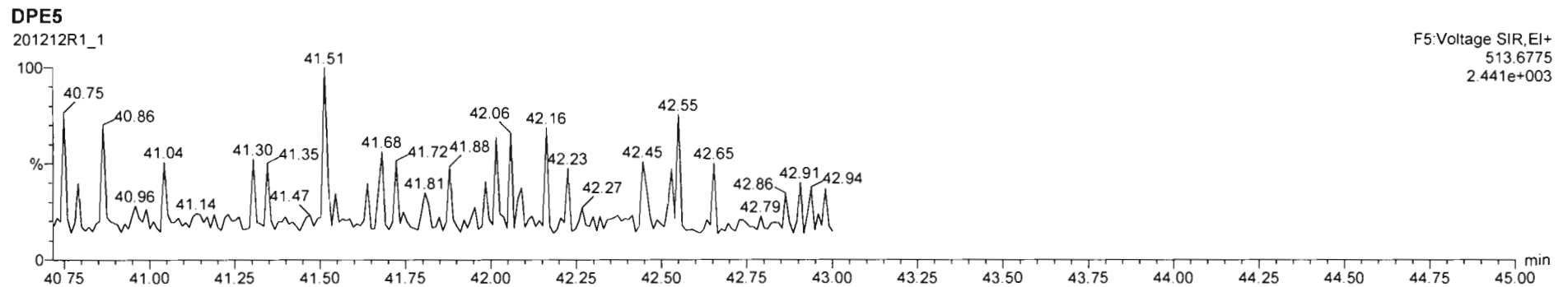
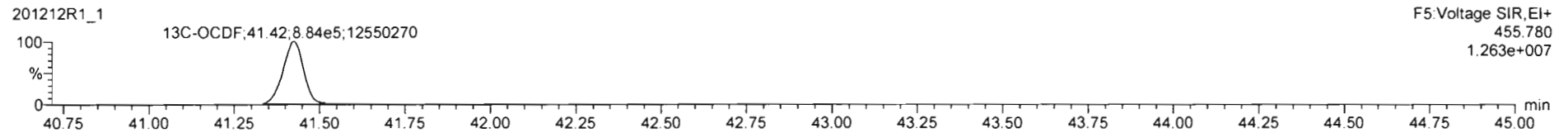
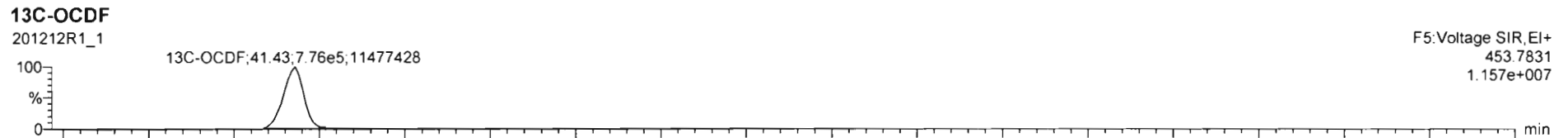
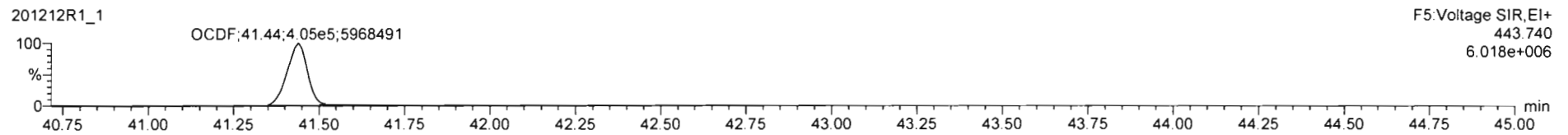
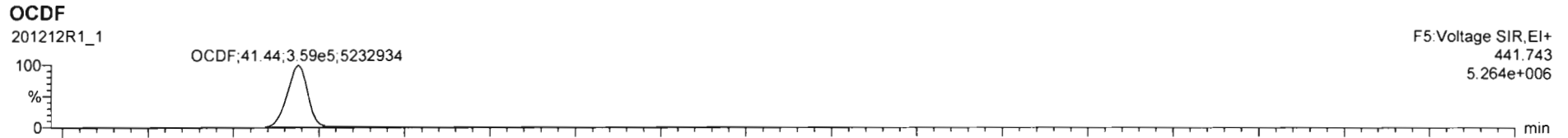


Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301



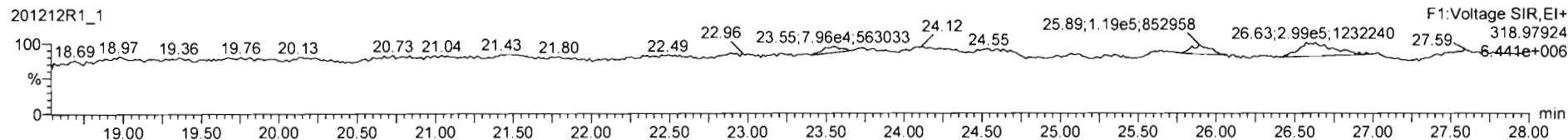
Dataset: Untitled

Last Altered: Sunday, December 13, 2020 08:38:08 Pacific Standard Time

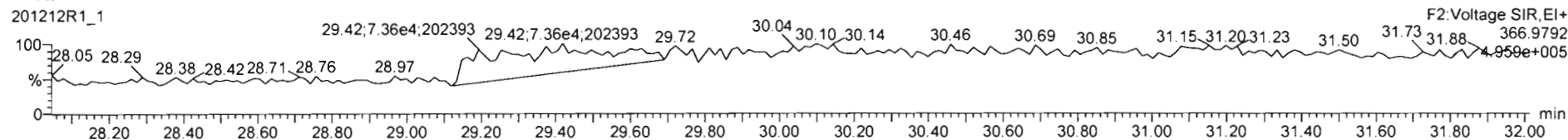
Printed: Sunday, December 13, 2020 08:39:24 Pacific Standard Time

Name: 201212R1_1, Date: 12-Dec-2020, Time: 11:44:35, ID: ST201212R1_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

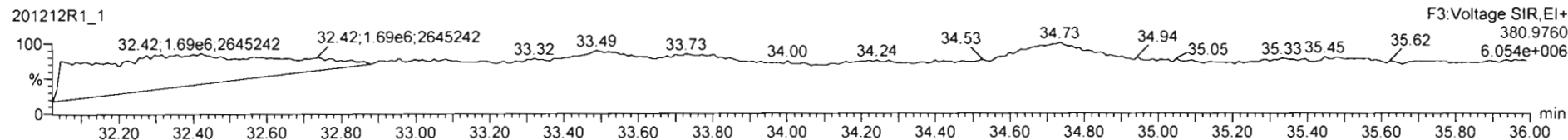
PFK1



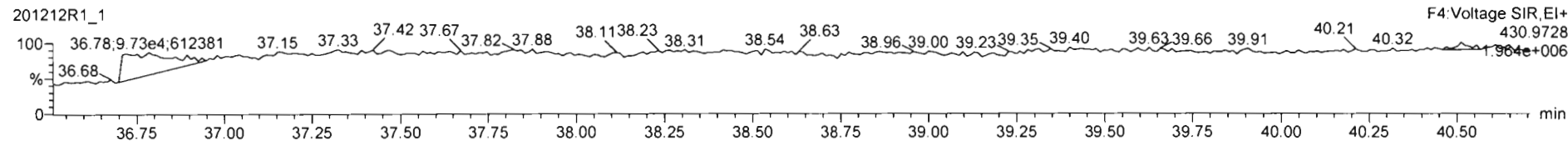
PFK2



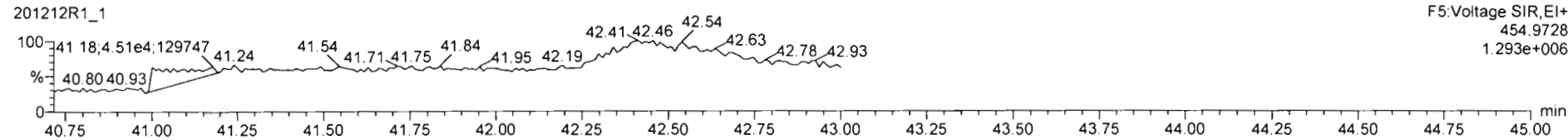
PFK3



PFK4

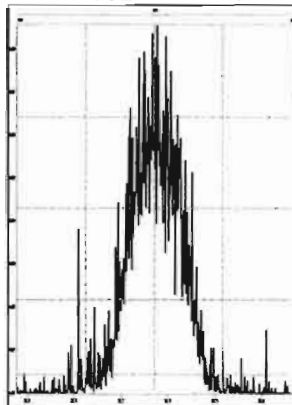


PFK5

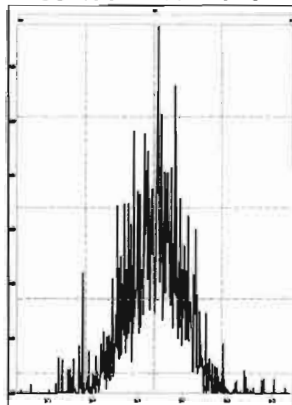


Printed: Sunday, December 13, 2020 08:34:45 Pacific Standard Time

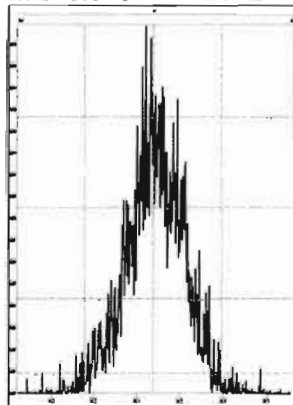
M 292.9824 R 14474



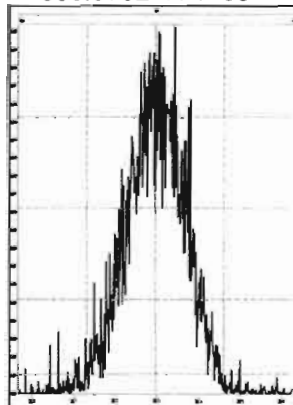
M 304.9824 R 14973



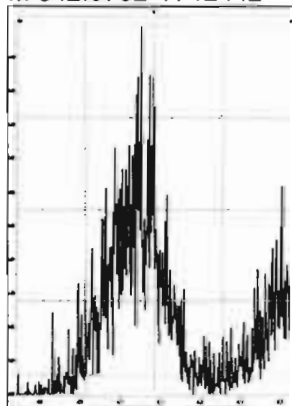
M 318.9792 R 12312



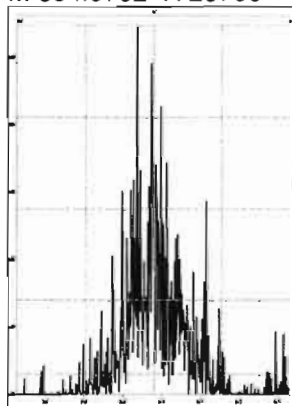
M 330.9792 R 11684



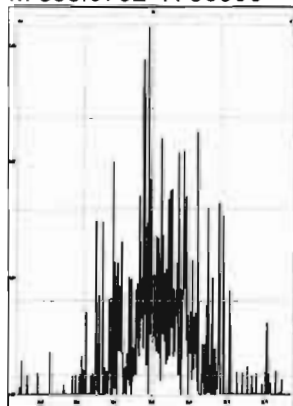
M 342.9792 R 12442



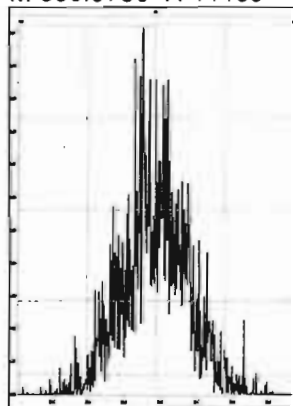
M 354.9792 R 28780



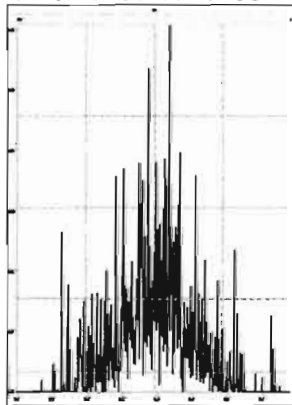
M 366.9792 R 56900



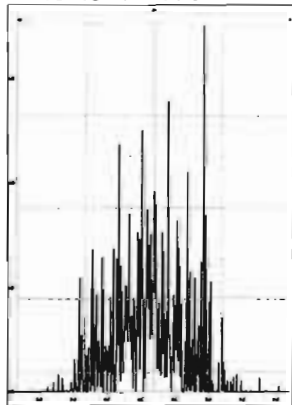
M 380.9760 R 11189



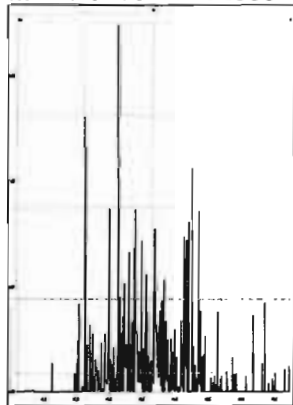
M 392.9760 R 18496



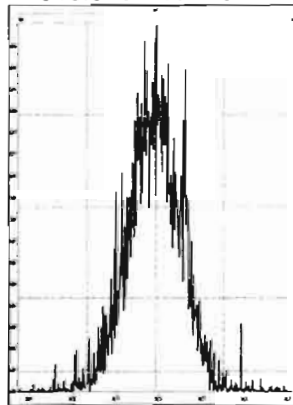
M 404.9760 R 84033



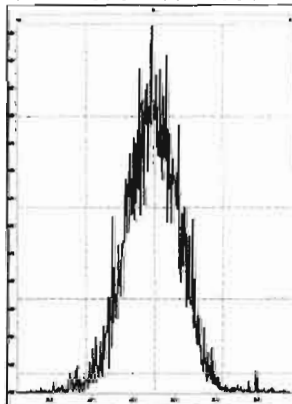
M 416.9760 R 132389



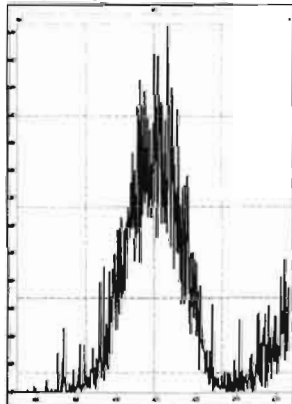
M 318.9792 R 12817



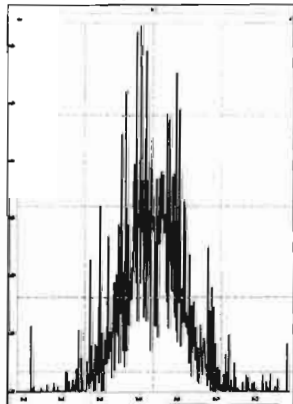
M 330.9792 R 12596



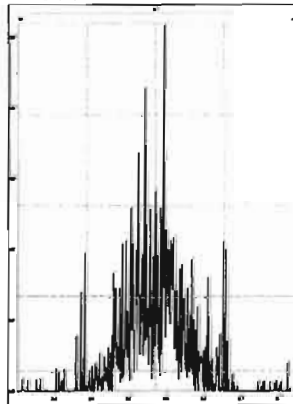
M 342.9792 R 12973



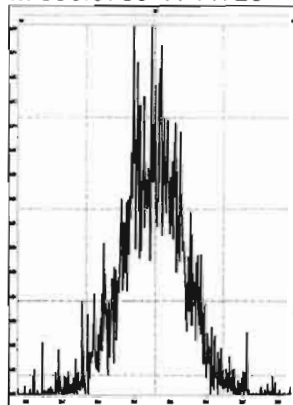
M 354.9792 R 15178



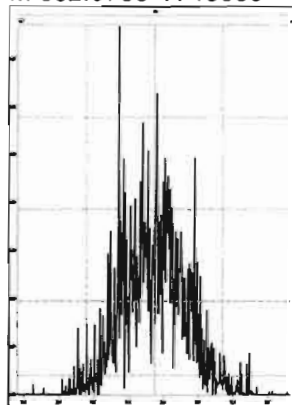
M 366.9792 R 28055



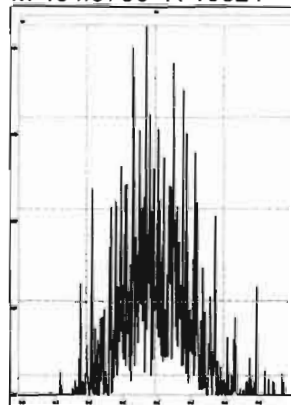
M 380.9760 R 11728



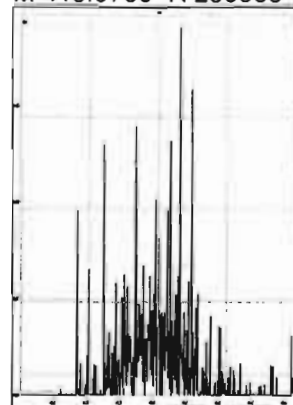
M 392.9760 R 15685



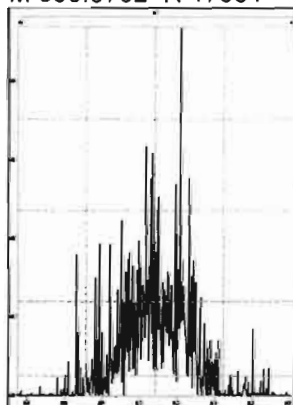
M 404.9760 R 16321



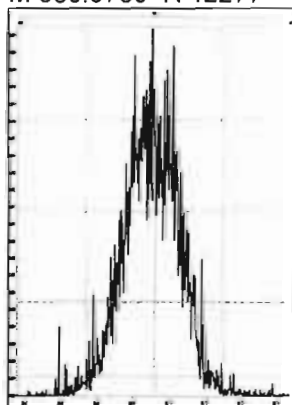
M 416.9760 R 235388



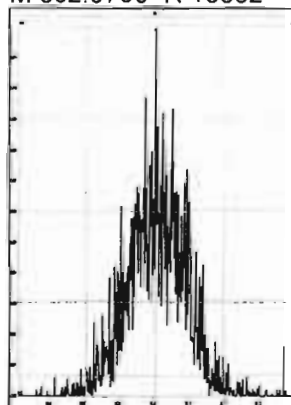
M 366.9792 R 17661



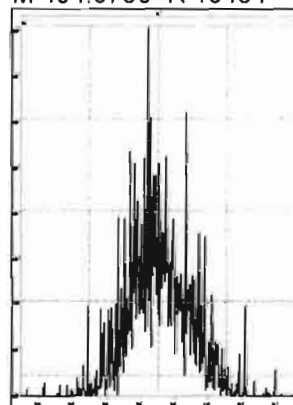
M 380.9760 R 12277



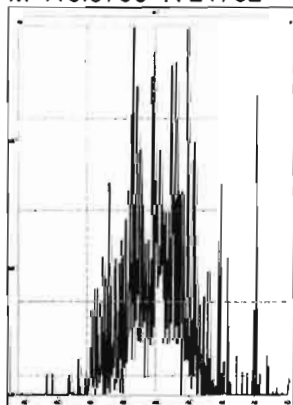
M 392.9760 R 13652



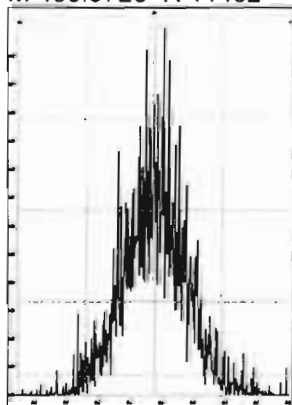
M 404.9760 R 15434



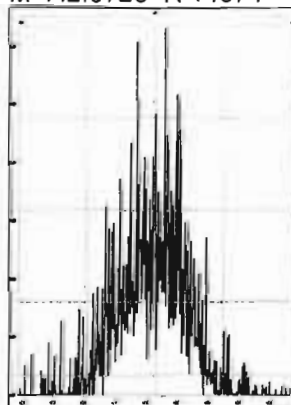
M 416.9760 R 21792



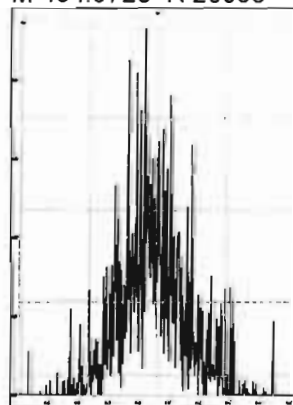
M 430.9728 R 11462



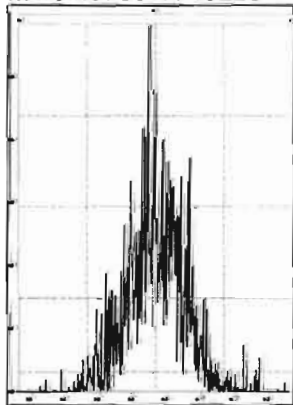
M 442.9728 R 14574



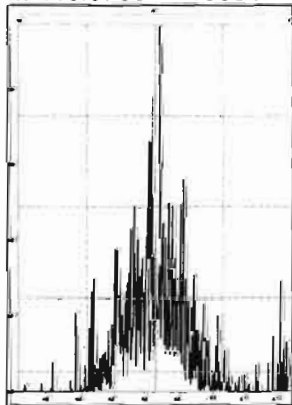
M 454.9728 R 20063



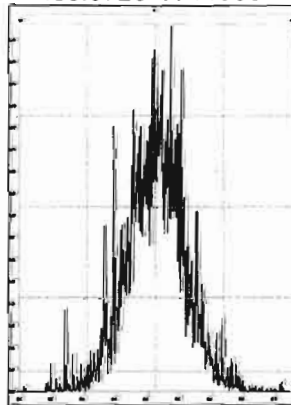
M 404.9760 R 15220



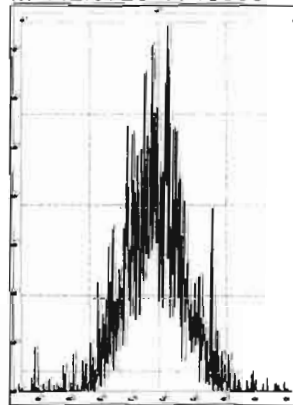
M 416.9760 R 15634



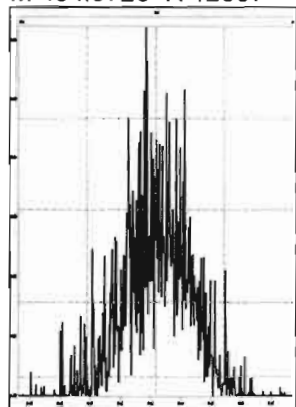
M 430.9728 R 11990



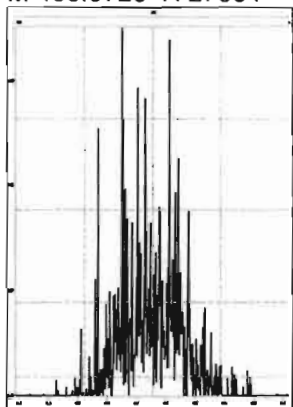
M 442.9728 R 13600



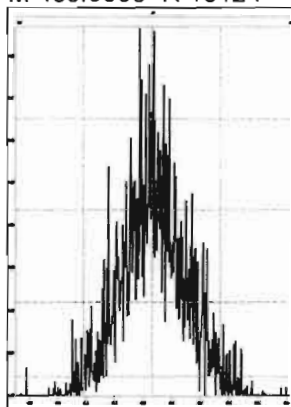
M 454.9728 R 12607



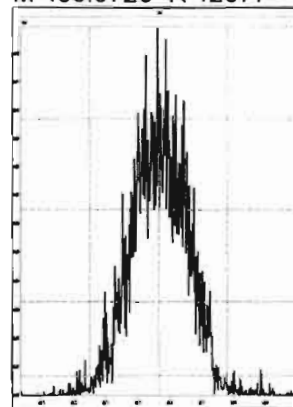
M 466.9728 R 27034



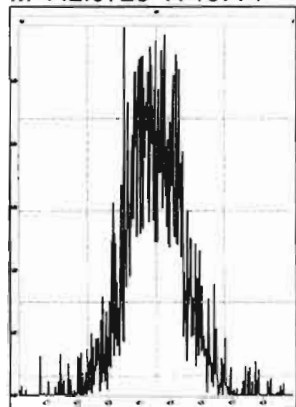
M 480.9696 R 13124



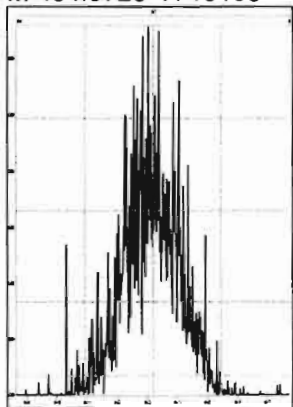
M 430.9728 R 12077



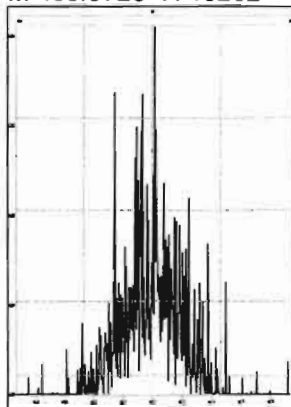
M 442.9728 R 15771



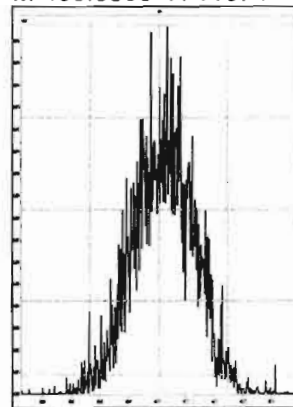
M 454.9728 R 13158



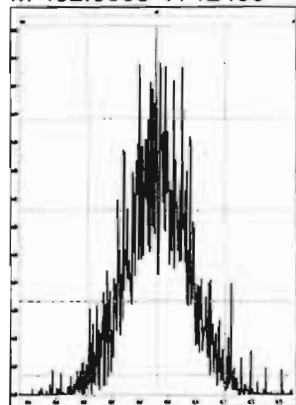
M 466.9728 R 19202



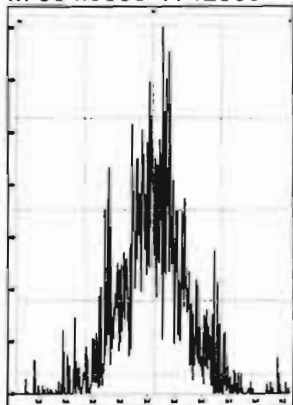
M 480.9696 R 11874



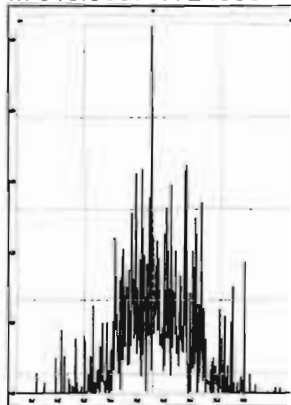
M 492.9696 R 12438



M 504.9696 R 12689



M 516.9697 R 24950



PKMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST201213R2-1

Reviewed By: HT 12-15-2022

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"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>GPB</u>	<hr style="width: 100%;"/>
<u>Run Log:</u>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Bottle position verified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Mass resolution ≥

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

Intergrated peaks display correctly?

GC Break <20%

8280 CS1 End Standard:

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

Comments:

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-1.qld

Last Altered: Monday, December 14, 2020 07:31:05 Pacific Standard Time
Printed: Monday, December 14, 2020 07:31:43 Pacific Standard Time

GPB 12/14/2020

HZ 12-15-2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

	# Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	1.60e5	1.56e6	0.76	NO	0.980	26.41	26.41	NO	1.001	1.001	10.462	105	NO
2	2 1,2,3,7,8-PeCDD	5.68e5	1.12e6	0.62	NO	0.932	31.08	31.06	NO	1.001	1.000	54.227	108	NO
3	3 1,2,3,4,7,8-HxCDD	4.67e5	8.51e5	1.23	NO	1.02	34.38	34.37	NO	1.001	1.000	53.815	108	NO
4	4 1,2,3,6,7,8-HxCDD	4.58e5	9.70e5	1.24	NO	0.902	34.49	34.49	NO	1.001	1.001	52.277	105	NO
5	5 1,2,3,7,8,9-HxCDD	4.62e5	9.36e5	1.22	NO	0.954	34.76	34.76	NO	1.000	1.000	51.736	103	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.44e5	7.58e5	1.05	NO	0.918	38.21	38.21	NO	1.000	1.000	49.462	98.9	NO
7	7 OCDD	5.93e5	1.31e6	0.88	NO	0.866	41.11	41.12	NO	1.000	1.000	104.77	105	NO
8	8 2,3,7,8-TCDF	1.78e5	2.21e6	0.73	NO	0.848	25.70	25.73	NO	1.000	1.001	9.4961	95.0	NO
9	9 1,2,3,7,8-PeCDF	8.47e5	1.70e6	1.56	NO	0.960	29.80	29.81	NO	1.000	1.001	51.873	104	NO
10	10 2,3,4,7,8-PeCDF	8.70e5	1.58e6	1.56	NO	1.07	30.89	30.87	NO	1.001	1.000	51.645	103	NO
11	11 1,2,3,4,7,8-HxCDF	5.41e5	1.10e6	1.21	NO	0.986	33.46	33.46	NO	1.000	1.000	49.746	99.5	NO
12	12 1,2,3,6,7,8-HxCDF	5.68e5	1.13e6	1.20	NO	1.04	33.60	33.59	NO	1.001	1.000	48.425	96.8	NO
13	13 2,3,4,6,7,8-HxCDF	5.35e5	1.06e6	1.21	NO	1.02	34.26	34.26	NO	1.001	1.001	49.404	98.8	NO
14	14 1,2,3,7,8,9-HxCDF	4.73e5	9.62e5	1.22	NO	0.991	35.26	35.26	NO	1.000	1.000	49.563	99.1	NO
15	15 1,2,3,4,6,7,8-HpCDF	3.99e5	7.74e5	1.00	NO	1.05	36.83	36.83	NO	1.000	1.001	49.169	98.3	NO
16	16 1,2,3,4,7,8,9-HpCDF	3.66e5	6.31e5	0.99	NO	1.18	38.83	38.83	NO	1.000	1.000	49.340	98.7	NO
17	17 OCDF	6.29e5	1.39e6	0.87	NO	0.896	41.41	41.41	NO	1.000	1.000	100.97	101	NO
18	18 13C-2,3,7,8-TCDD	1.56e6	1.46e6	0.78	NO	1.06	26.40	26.38	NO	1.030	1.029	101.59	102	NO
19	19 13C-1,2,3,7,8-PeCDD	1.12e6	1.46e6	0.63	NO	0.785	31.25	31.05	NO	1.219	1.212	98.261	98.3	NO
20	20 13C-1,2,3,4,7,8-HxCDD	8.51e5	1.23e6	1.29	NO	0.621	34.35	34.36	NO	1.014	1.014	111.96	112	NO
21	21 13C-1,2,3,6,7,8-HxCDD	9.70e5	1.23e6	1.27	NO	0.734	34.47	34.47	NO	1.017	1.017	107.88	108	NO
22	22 13C-1,2,3,7,8,9-HxCDD	9.36e5	1.23e6	1.27	NO	0.723	34.75	34.74	NO	1.026	1.025	105.65	106	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	7.58e5	1.23e6	1.05	NO	0.568	38.26	38.20	NO	1.129	1.127	108.94	109	NO
24	24 13C-OCDD	1.31e6	1.23e6	0.93	NO	0.496	41.19	41.11	NO	1.216	1.213	215.35	108	NO
25	25 13C-2,3,7,8-TCDF	2.21e6	2.29e6	0.78	NO	0.919	25.70	25.70	NO	1.003	1.003	104.96	105	NO
26	26 13C-1,2,3,7,8-PeCDF	1.70e6	2.29e6	1.60	NO	0.715	29.96	29.80	NO	1.169	1.163	103.72	104	NO
27	27 13C-2,3,4,7,8-PeCDF	1.58e6	2.29e6	1.59	NO	0.689	31.04	30.87	NO	1.212	1.205	99.989	100	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.10e6	1.23e6	0.51	NO	0.873	33.45	33.45	NO	0.987	0.987	103.08	103	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.13e6	1.23e6	0.50	NO	0.933	33.58	33.58	NO	0.991	0.991	98.726	98.7	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.06e6	1.23e6	0.50	NO	0.843	34.25	34.24	NO	1.011	1.011	102.73	103	NO

Dataset: U:\VG12.PRO\Results\201213R2\201213R2-1.qld

Last Altered: Monday, December 14, 2020 07:31:05 Pacific Standard Time

Printed: Monday, December 14, 2020 07:31:43 Pacific Standard Time

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

	# Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
31	31 13C-1,2,3,7,8,9-HxCDF	9.62e5	1.23e6	0.51	NO	0.780	35.25	35.25	NO	1.040	1.040	100.67	101	NO
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.74e5	1.23e6	0.43	NO	0.726	36.83	36.81	NO	1.087	1.086	86.979	87.0	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.31e5	1.23e6	0.43	NO	0.491	38.83	38.82	NO	1.146	1.145	104.87	105	NO
34	34 13C-OCDF	1.39e6	1.23e6	0.88	NO	0.565	41.41	41.40	NO	1.222	1.222	200.66	100	NO
35	35 37Cl-2,3,7,8-TCDD	1.98e5	1.46e6			1.22	26.39	26.41	NO	1.030	1.031	11.160	112	NO
36	36 13C-1,2,3,4-TCDD	1.46e6	1.46e6	0.79	NO	1.00	25.64	25.63	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	2.29e6	2.29e6	0.78	NO	1.00	24.13	24.13	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	1.23e6	1.23e6	0.51	NO	1.00	33.92	33.89	NO	1.000	1.000	100.00	100	YES <i>ok</i>

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:30:16 Pacific Standard Time

Printed: Monday, December 14, 2020 07:30:30 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

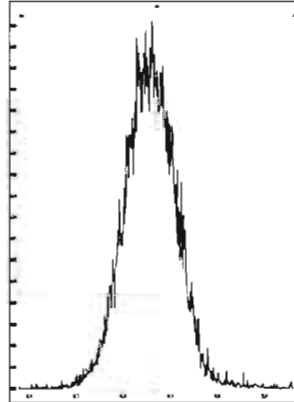
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	201213R2_1	ST201213R2_1 1613 CS3 20L0301	13-Dec-20	10:15:18
2	201213R2_2	B0L0034-BS1 OPR 10	13-Dec-20	11:01:37
3	201213R2_3	SOLVENT BLANK	13-Dec-20	11:45:51
4	201213R2_4	B0L0034-BLK1 Method Blank 10	13-Dec-20	12:30:07
5	201213R2_5	B0L0016-DUP1 Duplicate 11.62	13-Dec-20	13:14:22
6	201213R2_6	2002434-05 USMPDI-023SC-A-01-02-201107 ...	13-Dec-20	13:58:39
7	201213R2_7	2002434-06 USMPDI-023SC-A-02-03-201107 ...	13-Dec-20	14:42:54
8	201213R2_8	2002434-07 USMPDI-023SC-A-03-04-201107 ...	13-Dec-20	15:27:08
9	201213R2_9	2002434-08 USMPDI-023SC-A-04-05-201107 ...	13-Dec-20	16:11:26
10	201213R2_10	2002434-09 USMPDI-1023SC-A-02-03-20110 ...	13-Dec-20	16:55:42
11	201213R2_11	2002434-10 USMPDI-056SC-A-01-02-201107 ...	13-Dec-20	17:39:57
12	201213R2_12	2002434-11 USMPDI-056SC-A-02-03-201107 ...	13-Dec-20	18:24:12
13	201213R2_13	2002434-12 USMPDI-056SC-A-03-04-201107 ...	13-Dec-20	19:08:25
14	201213R2_14	2002431-08@20X USMPDI-049SC-A-14-15-2...	13-Dec-20	19:52:41
15	201213R2_15	2002431-09@20X USMPDI-049SC-A-15-16-2...	13-Dec-20	20:36:55

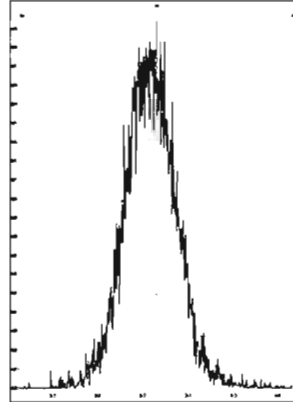
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Sunday, December 13, 2020 10:13:35 Pacific Standard Time

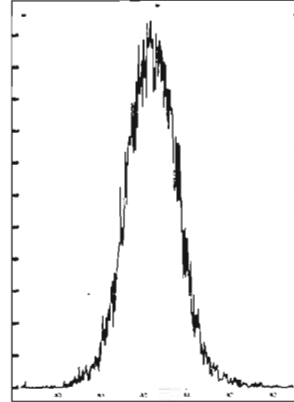
M 292.9824 R 11791



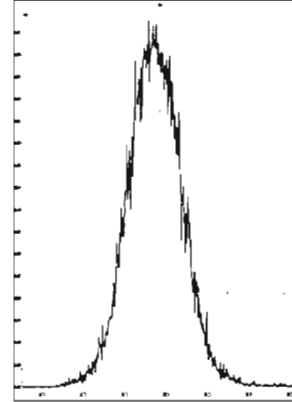
M 304.9824 R 11678



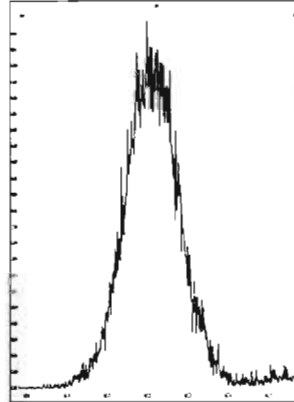
M 318.9792 R 12376



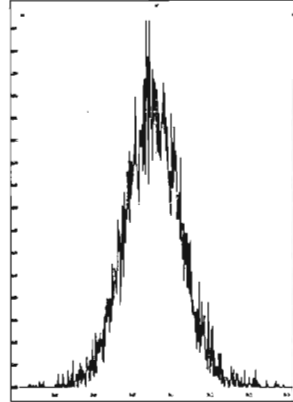
M 330.9792 R 11309



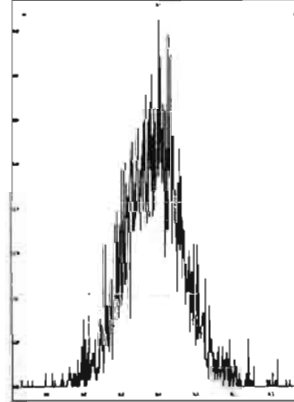
M 342.9792 R 11111



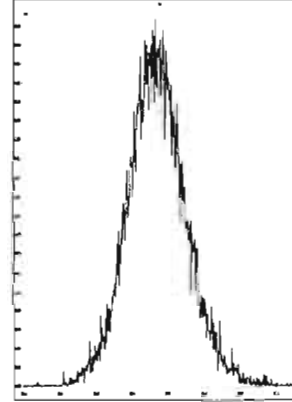
M 354.9792 R 11577



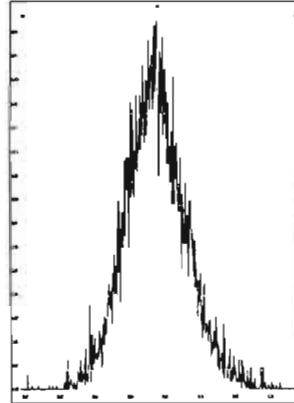
M 366.9792 R 11161



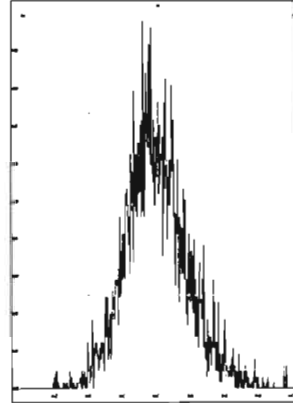
M 380.9760 R 11012



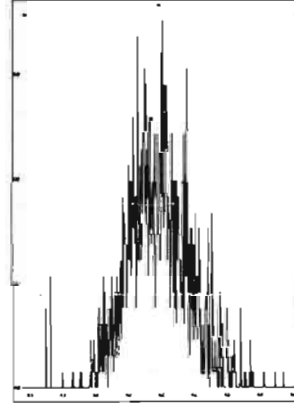
M 392.9760 R 10501



M 404.9760 R 12198



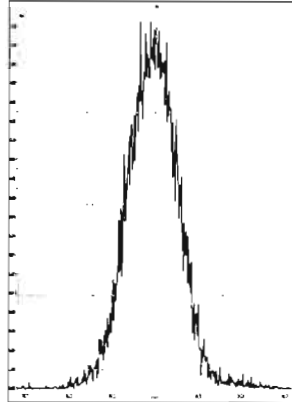
M 416.9760 R 11465



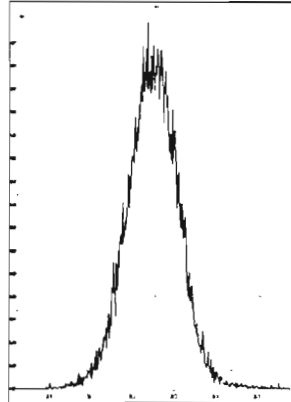
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Sunday, December 13, 2020 10:14:02 Pacific Standard Time

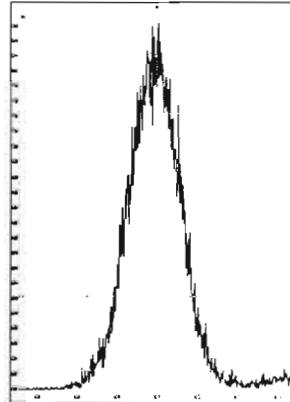
M 318.9792 R 13440



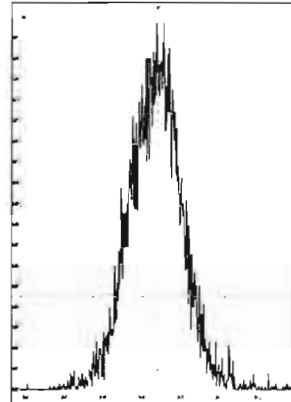
M 330.9792 R 11576



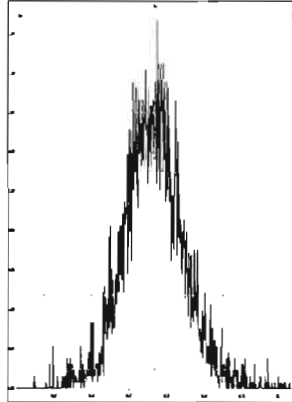
M 342.9792 R 11467



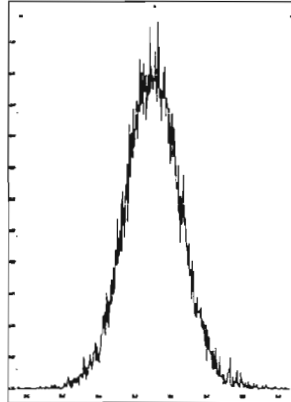
M 354.9792 R 13438



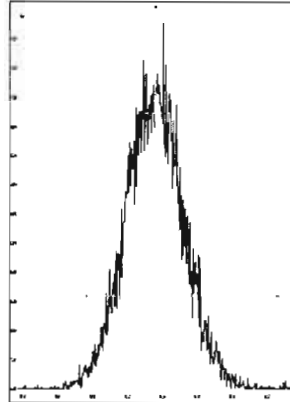
M 366.9792 R 11521



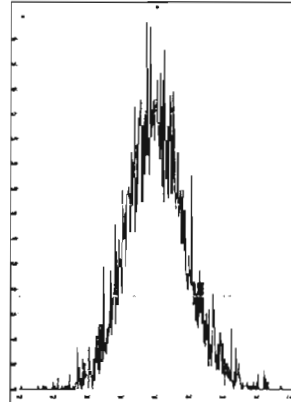
M 380.9760 R 10641



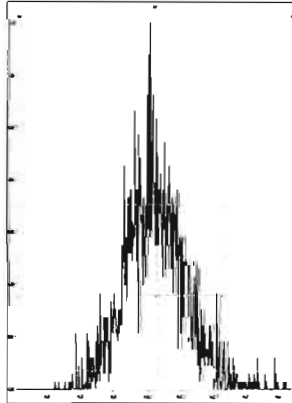
M 392.9760 R 10461



M 404.9760 R 10592



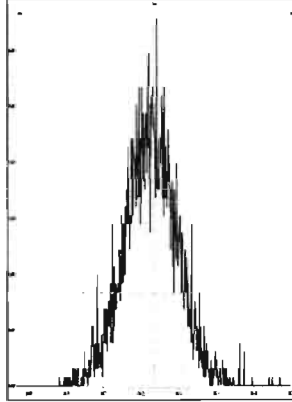
M 416.9760 R 15152



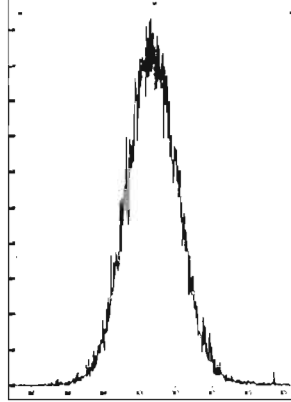
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Sunday, December 13, 2020 10:14:19 Pacific Standard Time

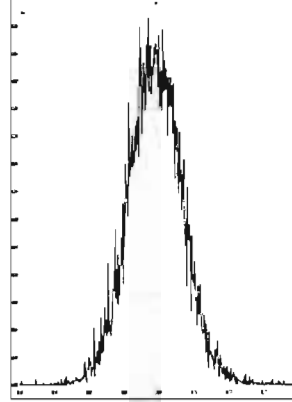
M 366.9792 R 12692



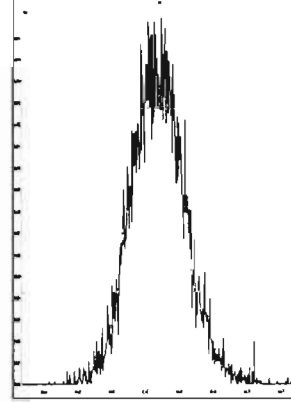
M 380.9760 R 11415



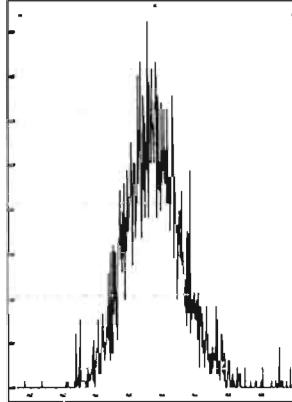
M 392.9760 R 11109



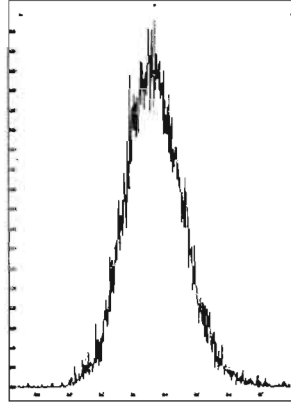
M 404.9760 R 11628



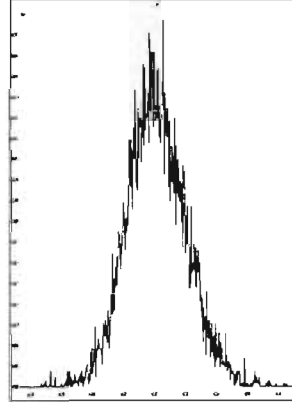
M 416.9760 R 11470



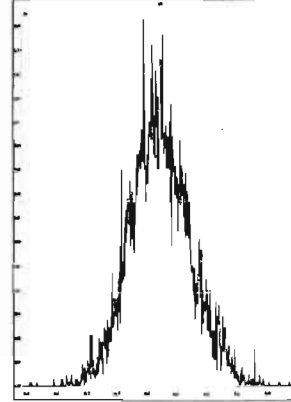
M 430.9728 R 10417



M 442.9728 R 10245



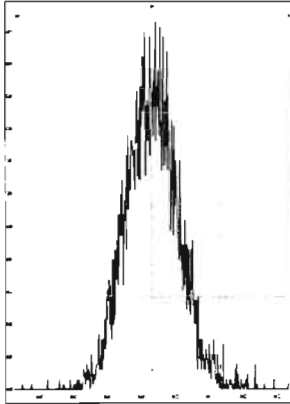
M 454.9728 R 10730



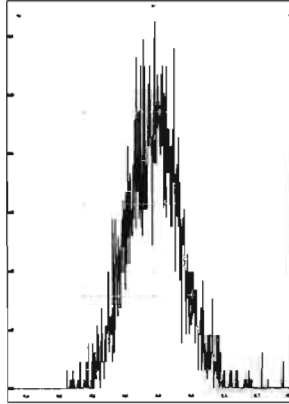
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Sunday, December 13, 2020 10:14:38 Pacific Standard Time

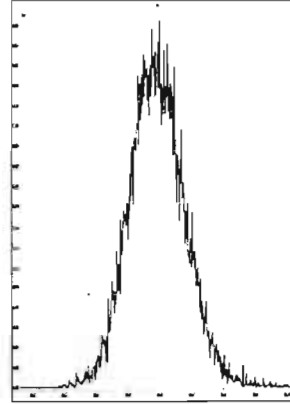
M 404.9760 R 11905



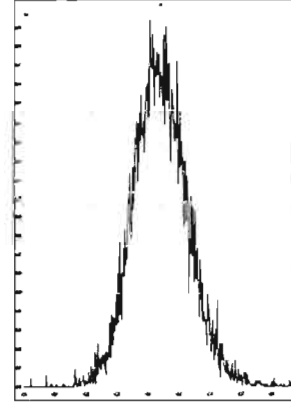
M 416.9760 R 10916



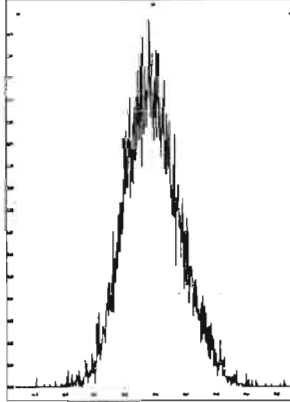
M 430.9728 R 10867



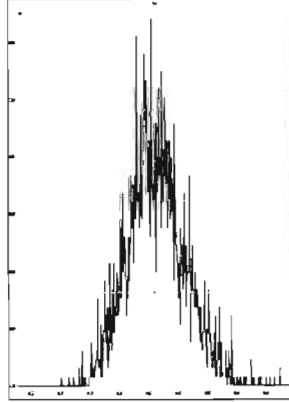
M 442.9728 R 12018



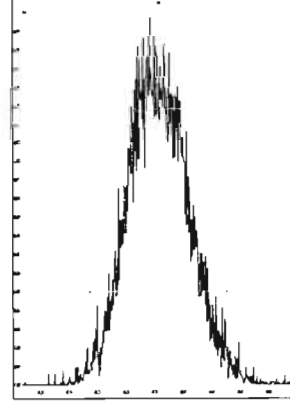
M 454.9728 R 11259



M 466.9728 R 11363



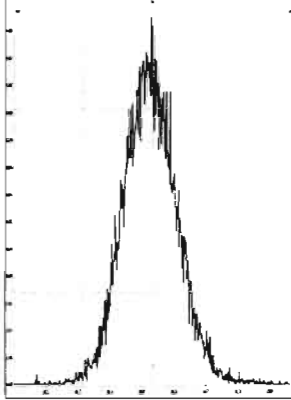
M 480.9696 R 10640



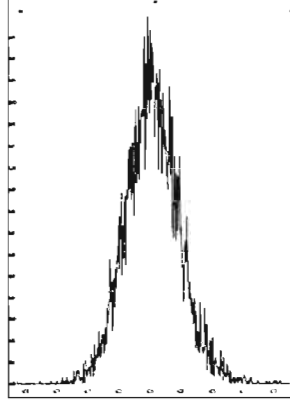
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Sunday, December 13, 2020 10:14:54 Pacific Standard Time

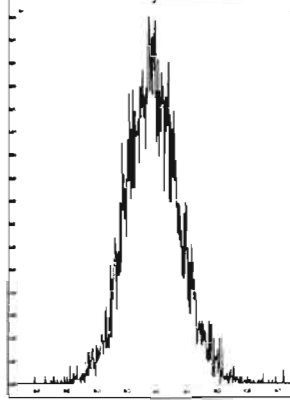
M 430.9728 R 11111



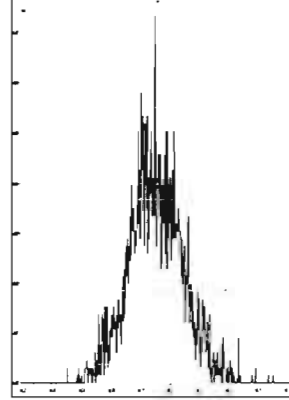
M 442.9728 R 11790



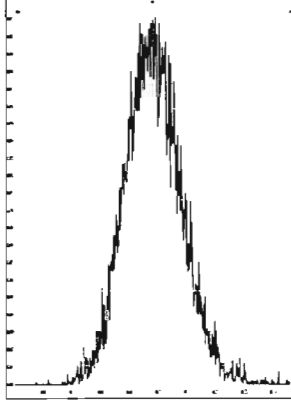
M 454.9728 R 11792



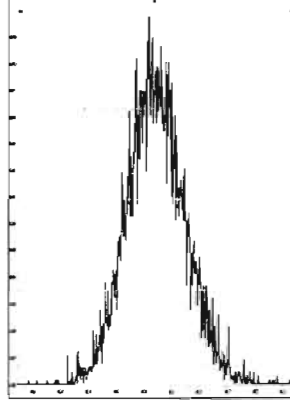
M 466.9728 R 12885



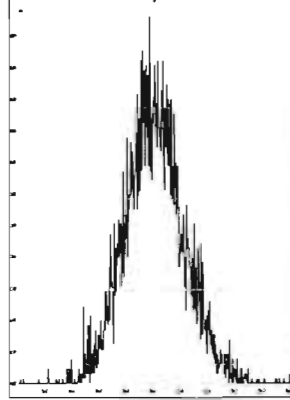
M 480.9696 R 11014



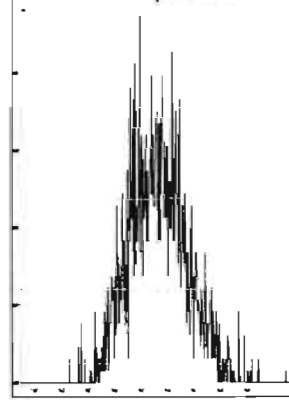
M 492.9696 R 10416



M 504.9696 R 11212



M 516.9697 R 11682



Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:21:16 Pacific Standard Time

Printed: Monday, December 14, 2020 07:22:48 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 11 Dec 2020 14:14:32

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.61
2	2 1,2,8,9-TCDD (Last)	27.28
3	3 1,2,4,7,9-PeCDD (First)	28.82
4	4 1,2,3,8,9-PeCDD (Last)	31.42
5	5 1,2,4,6,7,9-HxCDD (First)	32.72
6	6 1,2,3,7,8,9-HxCDD (Last)	34.76
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.21
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.21
9	9 1,3,6,8-TCDF (First)	20.35
10	10 1,2,8,9-TCDF (Last)	27.59
11	11 1,3,4,6,8-PeCDF (First)	27.16
12	12 1,2,3,8,9-PeCDF (Last)	31.79
13	13 1,2,3,4,6,8-HxCDF (First)	32.20
14	14 1,2,3,7,8,9-HxCDF (Last)	35.26
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.83
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.83

Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:21:16 Pacific Standard Time
Printed: Monday, December 14, 2020 07:22:48 Pacific Standard Time

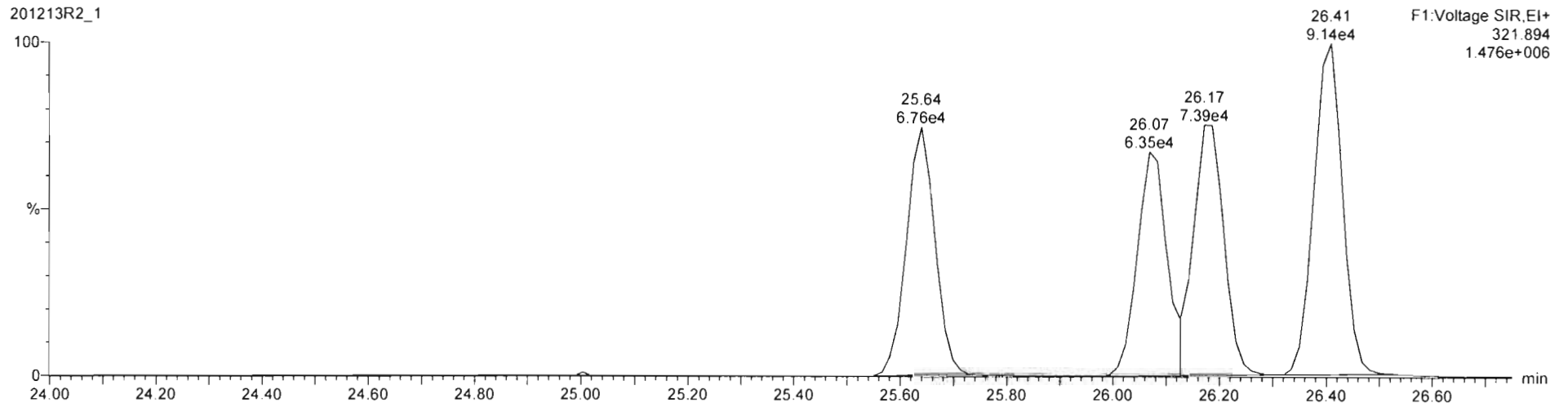
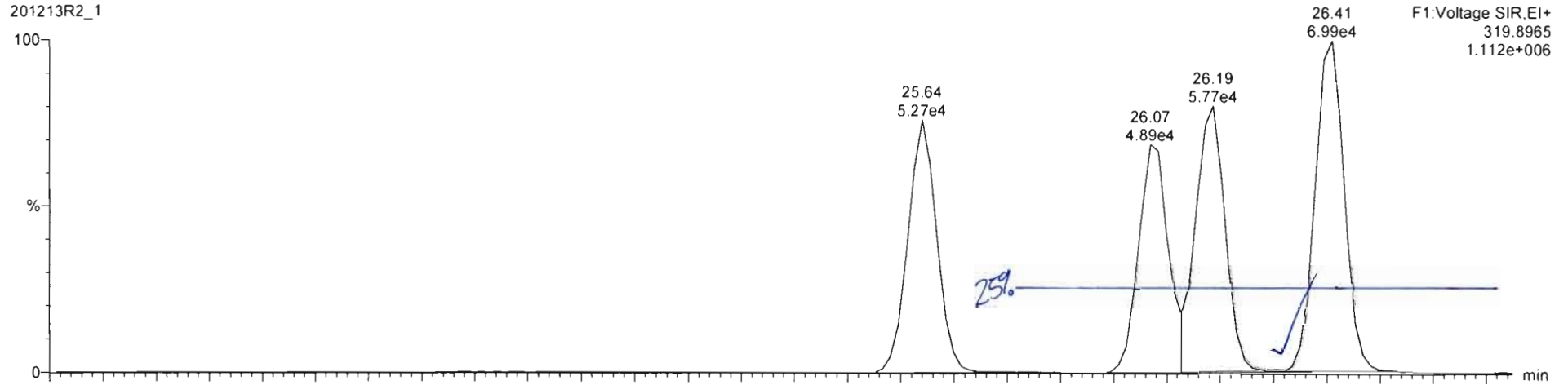
GRB 12/14/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 11 Dec 2020 14:14:32
Calibration: U:\VG12.PRO\CurveDB\IdbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

HZ 12-15-2020

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1,3,6,8-TCDD (First)
201213R2_1



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:21:16 Pacific Standard Time
Printed: Monday, December 14, 2020 07:22:48 Pacific Standard Time

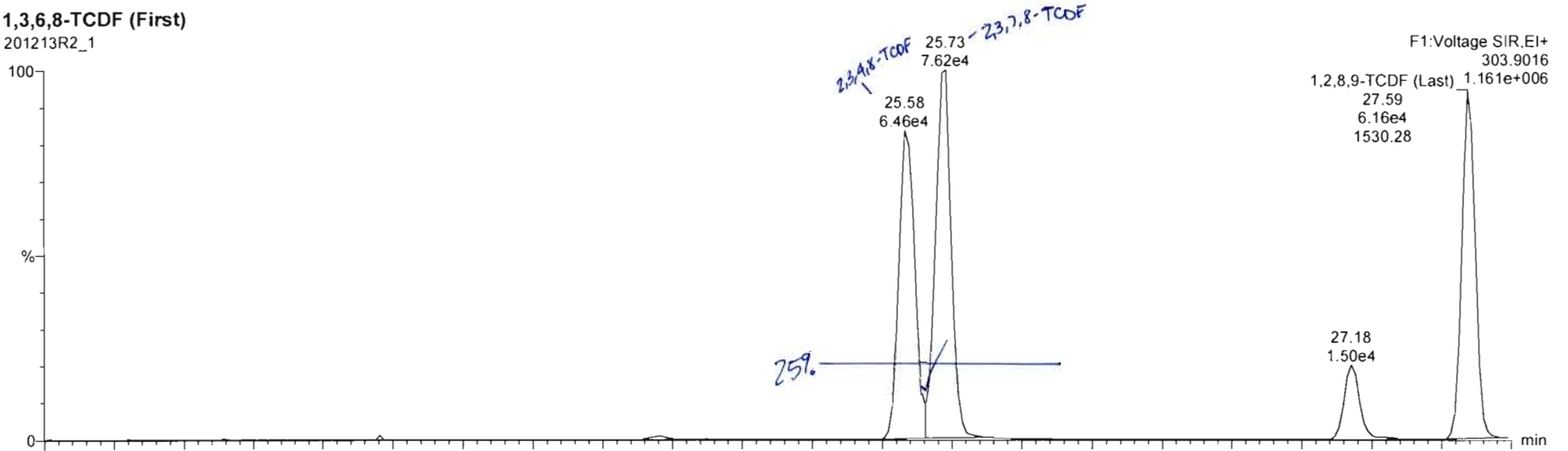
GRB 12/14/2020

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

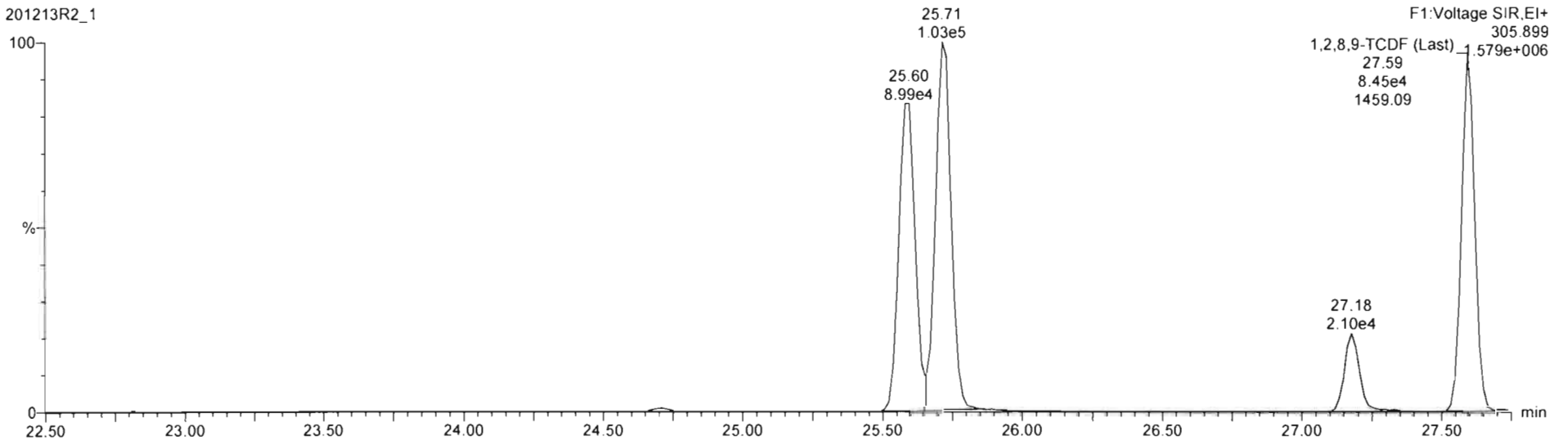
12-15-2020

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

201213R2_1



201213R2_1



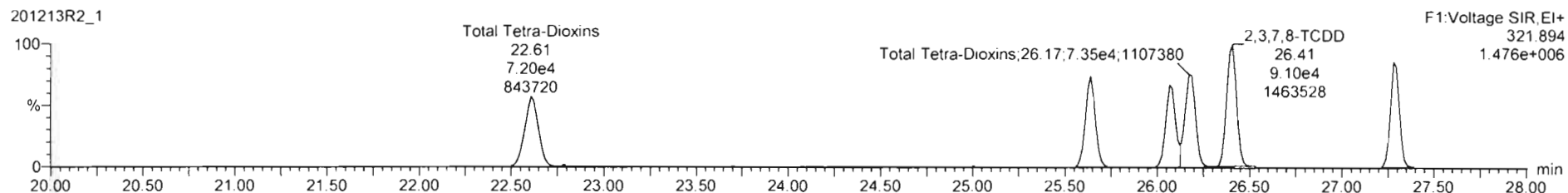
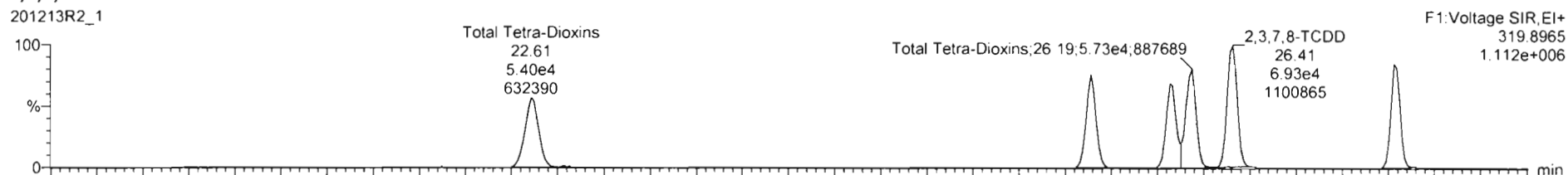
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

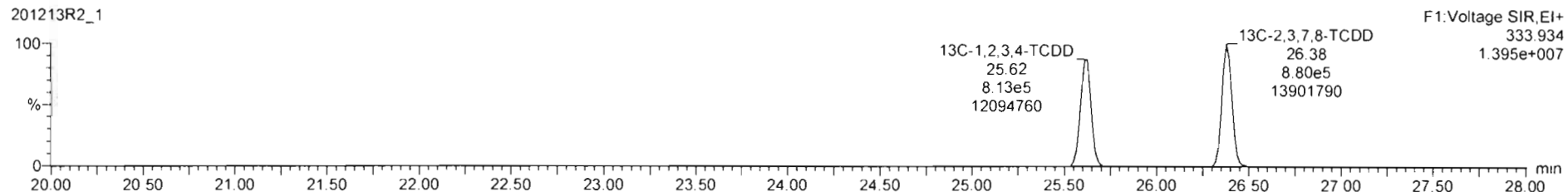
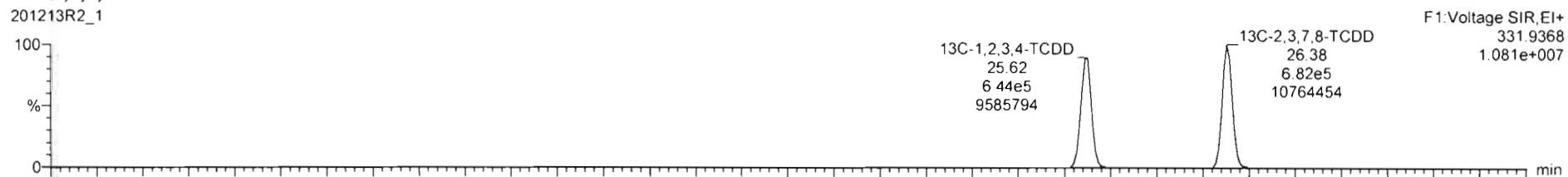
Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

2,3,7,8-TCDD



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



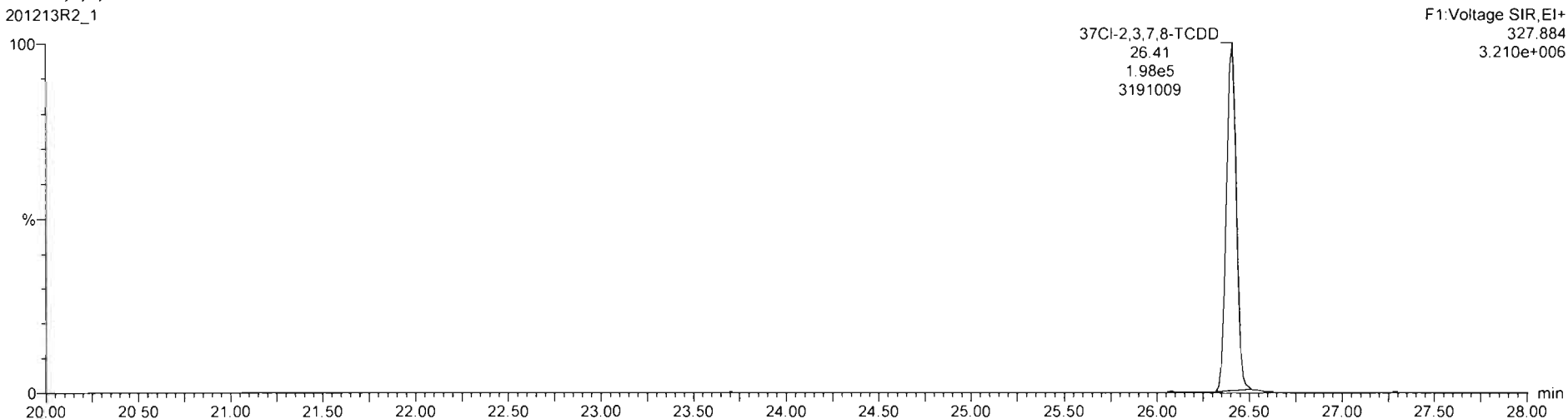
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201213R2_1

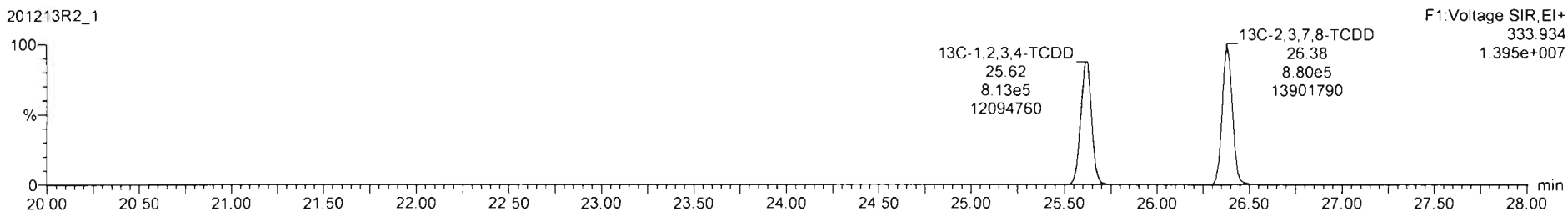


13C-1,2,3,4-TCDD

201213R2_1



201213R2_1



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

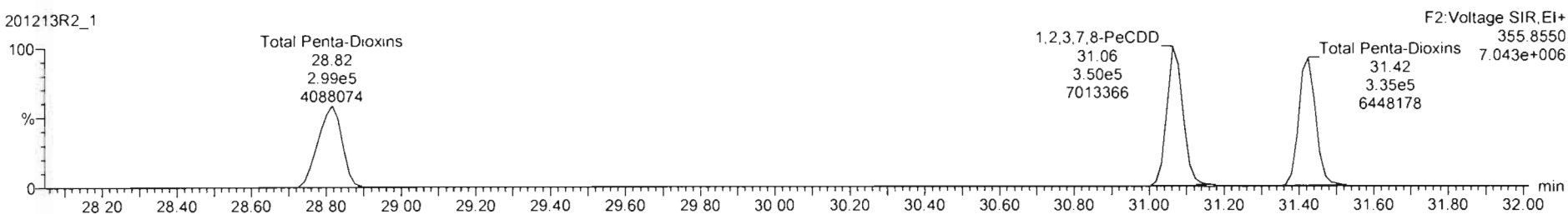
Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1,2,3,7,8-PeCDD

201213R2_1

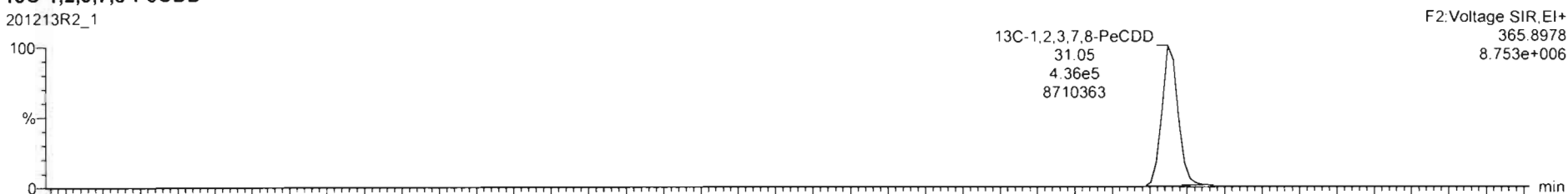


201213R2_1

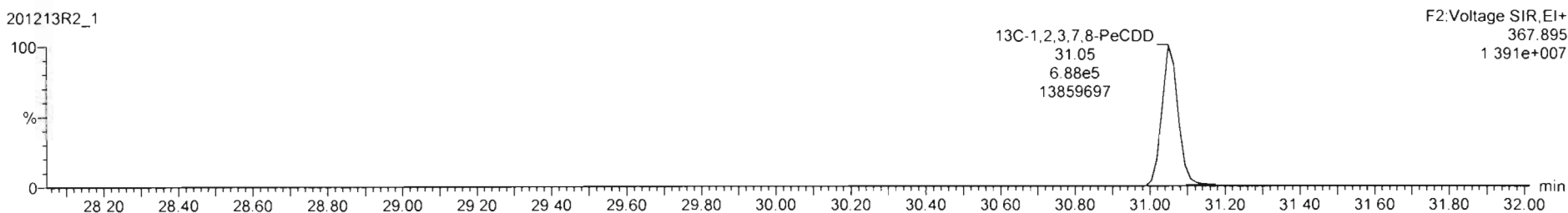


13C-1,2,3,7,8-PeCDD

201213R2_1



201213R2_1



Dataset: Untitled

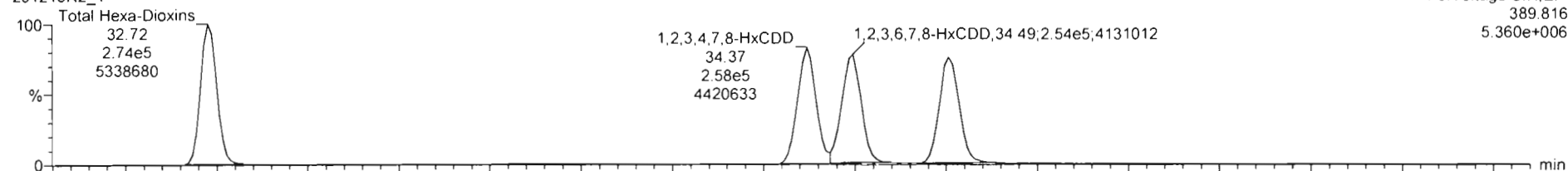
Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time

Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

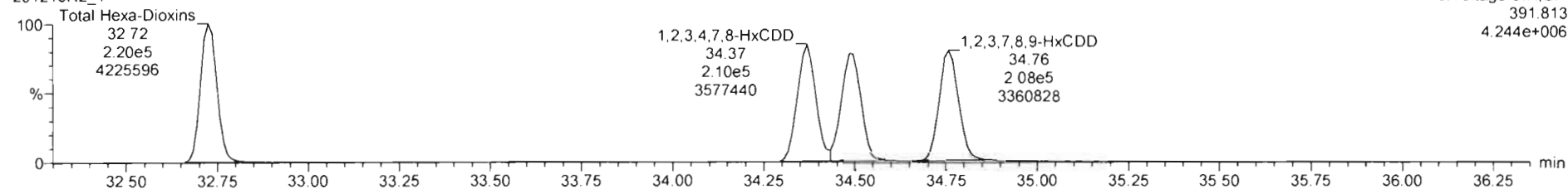
Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201213R2_1

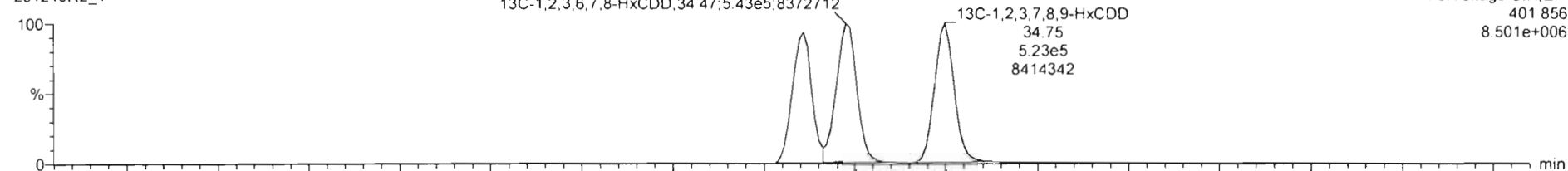


201213R2_1

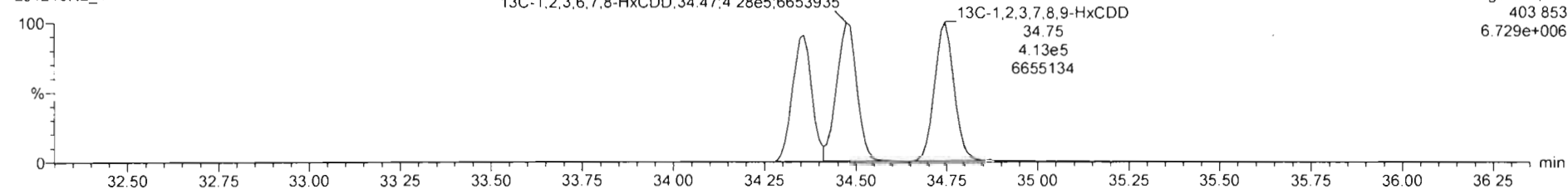


13C-1,2,3,4,7,8-HxCDD

201213R2_1



201213R2_1



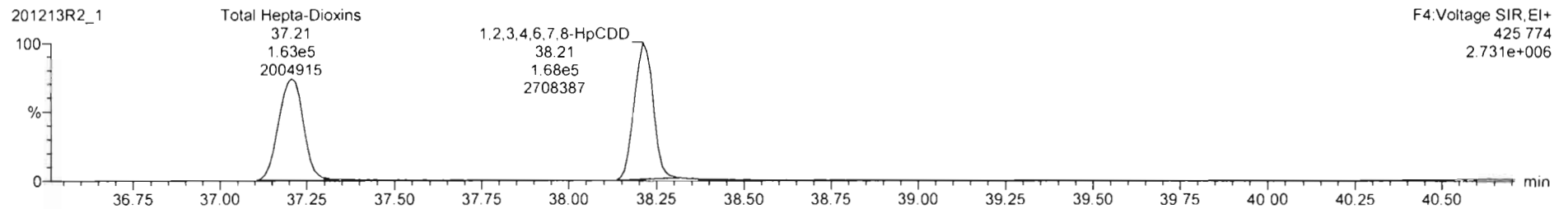
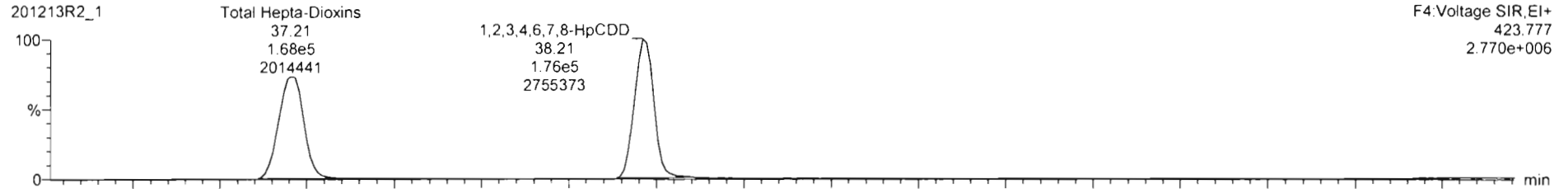
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time

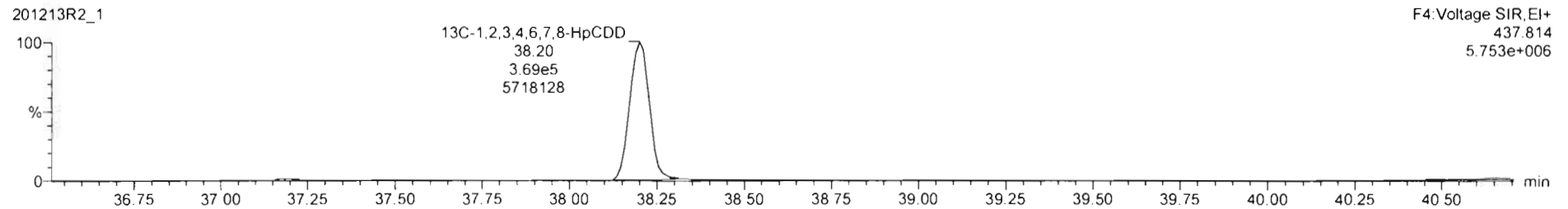
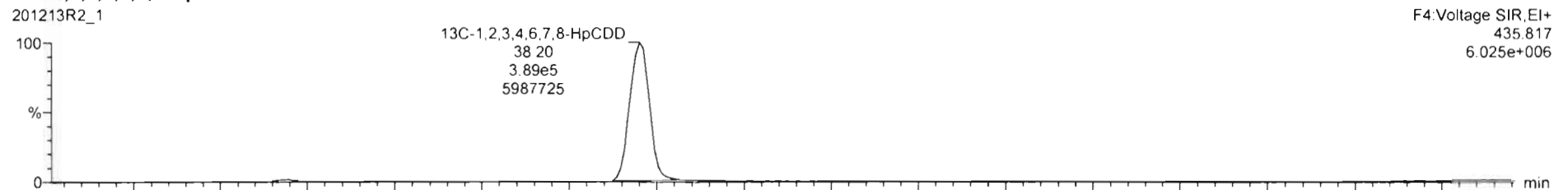
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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



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



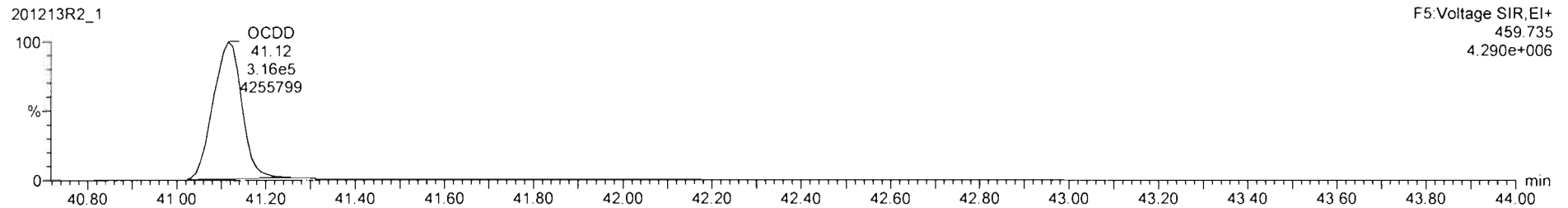
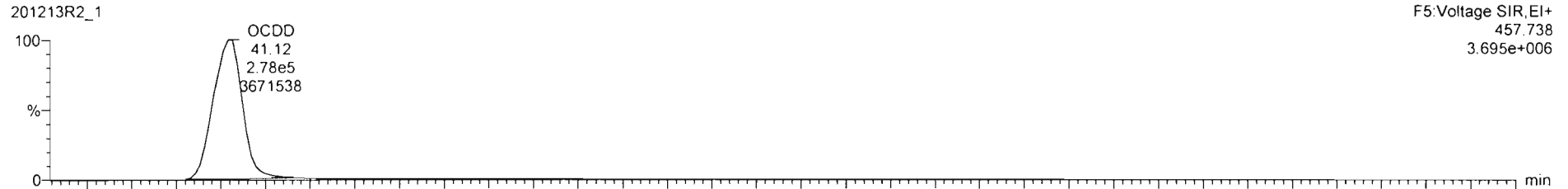
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time

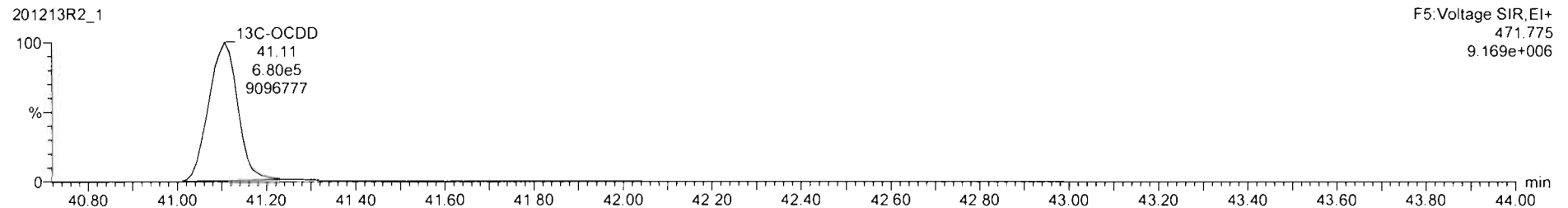
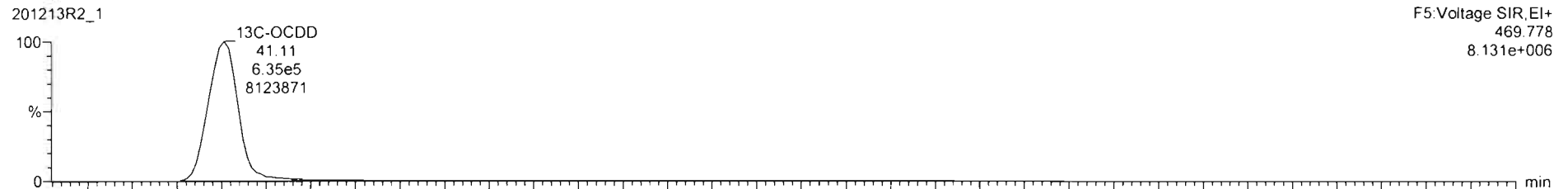
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

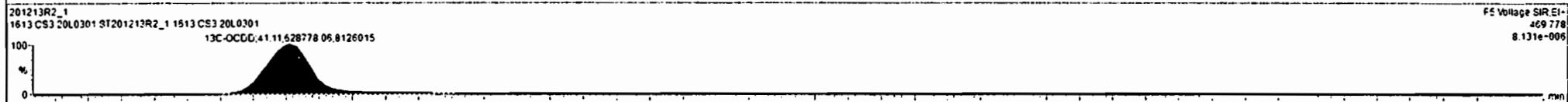
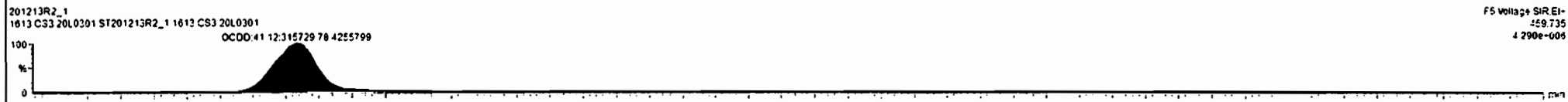
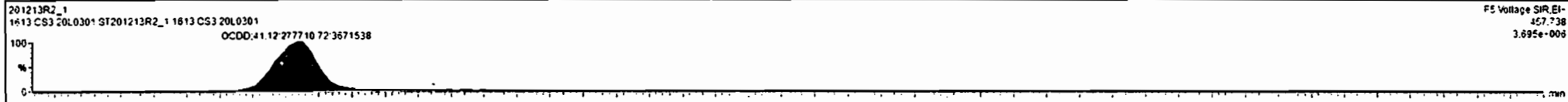
OCDD



13C-OCDD



#	Name	Resp	S Resp	Pred RA	RA	dy	RF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1 2.3.7.8-OCDD	1.52e5	1.52e5	0.77	0.75	NO	0.9505	28.41	28.41	NO	1.001	1.001	100	100	NO
2	1 1.2.3.7.8-PeCDD	5.66e5	1.12e6	0.63	0.62	NO	0.9220	31.08	31.06	NO	1.001	1.000	54.2	108	NO
3	1 1.2.3.4.7.8-MeCDD	4.67e5	8.51e5	1.24	1.23	NO	1.0203	34.36	34.27	NO	1.001	1.000	52.8	108	NO
4	1 1.2.3.7.8-MeCDD	4.58e5	9.70e5	1.24	1.24	NO	0.9025	34.49	34.49	NO	1.001	1.001	52.3	105	NO
5	1 1.2.3.7.8-MeCDD	4.52e5	9.38e5	1.24	1.22	NO	0.9542	34.76	34.76	NO	1.000	1.000	51.7	103	NO
6	1 1.2.3.4.6.7.8-mpCDD	3.44e5	7.58e5	1.04	1.05	NO	0.9180	38.21	38.21	NO	1.009	1.000	49.5	96.9	NO
7	7 OCDD	5.93e5	1.31e6	0.89	0.88	NO	0.8858	41.11	41.12	NO	1.008	1.000	105	105	NO
8	6 1.2.3.7.8-TCDF	1.78e5	2.21e6	0.77	0.73	NO	0.6480	25.70	25.73	NO	1.009	1.001	9.50	95.0	NO
9	9 1.2.3.7.8-PeCDF	8.47e5	1.73e6	1.55	1.58	NO	0.9597	29.20	29.21	NO	1.003	1.001	51.9	104	NO
10	10 1.2.3.7.8-PeCDF	8.70e5	1.58e6	1.55	1.55	NO	1.0571	30.85	30.87	NO	1.001	1.000	51.8	103	NO
11	11 1.2.3.4.7.8-MeCDF	5.41e5	1.10e6	1.24	1.21	NO	0.9855	33.46	33.46	NO	1.003	1.003	45.7	99.5	NO
12	12 1.2.3.7.8-MeCDF	5.88e5	1.12e6	1.24	1.20	NO	1.0388	33.50	33.53	NO	1.001	1.000	45.4	96.8	NO
13	13 1.2.3.4.7.8-MeCDF	5.35e5	1.06e6	1.24	1.21	NO	1.0202	34.28	34.28	NO	1.001	1.001	45.4	98.8	NO
14	14 1.2.3.7.8-MeCDF	4.73e5	9.62e5	1.24	1.22	NO	0.9963	35.28	35.28	NO	1.000	1.000	49.6	99.1	NO
15	15 1.2.3.4.6.7.8-MeCDF	3.99e5	7.74e5	1.04	1.00	NO	1.0462	36.83	36.83	NO	1.009	1.001	48.2	98.3	NO
16	16 1.2.3.4.7.8-MeCDF	3.86e5	6.31e5	1.04	0.99	NO	1.1755	38.83	38.83	NO	1.009	1.000	49.3	98.7	NO
17	17 OCDF	6.29e5	1.39e6	0.89	0.87	NO	0.8960	41.41	41.41	NO	1.003	1.000	101	101	NO
18	18 13C-1.2.3.7.8-TCDD	1.52e6	1.48e6	0.77	0.75	NO	1.0555	28.40	28.28	NO	1.000	1.000	102	102	NO
19	19 13C-1.2.3.7.8-PeCDD	1.12e6	1.46e6	0.63	0.63	NO	0.7847	31.25	31.05	NO	1.219	1.212	96.3	98.3	NO
20	20 13C-1.2.3.4.7.8-MeCDD	8.51e5	1.23e6	1.24	1.29	NO	0.8205	34.35	34.36	NO	1.014	1.014	112	112	NO
21	21 13C-1.2.3.7.8-MeCDD	9.70e5	1.23e6	1.24	1.27	NO	0.7340	34.47	34.47	NO	1.017	1.017	108	108	NO



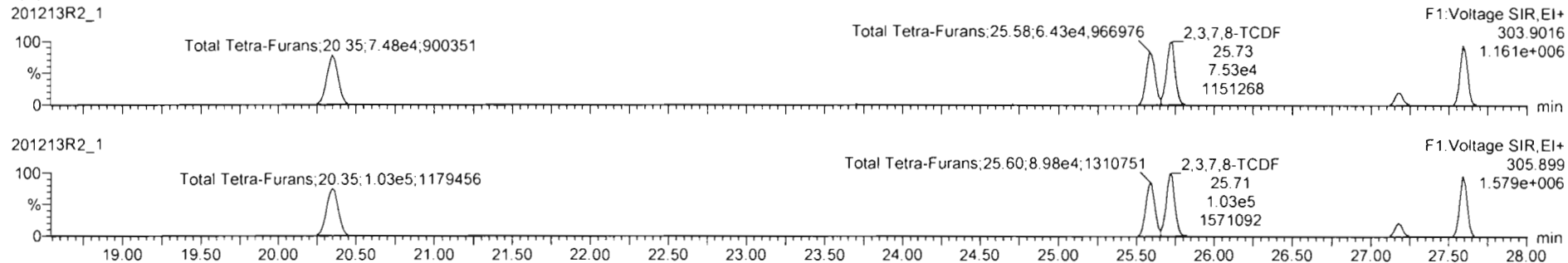
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

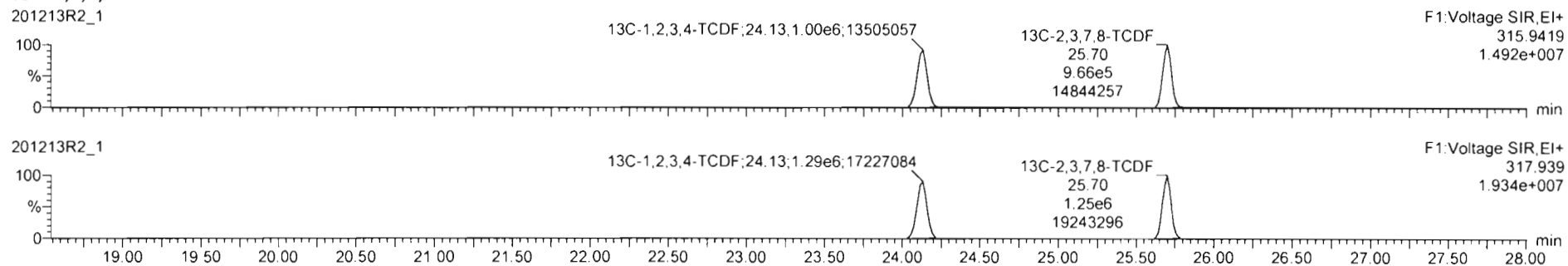
2,3,7,8-TCDF

201213R2_1



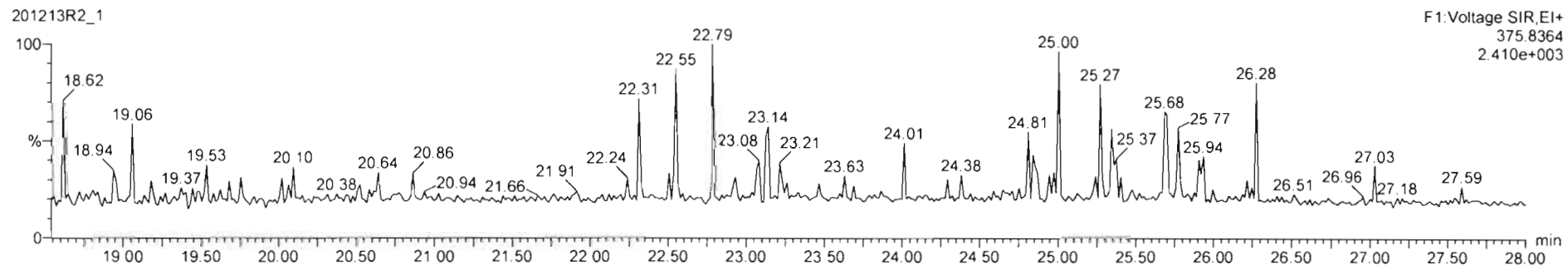
13C-2,3,7,8-TCDF

201213R2_1



DPE1

201213R2_1



Dataset: Untitled

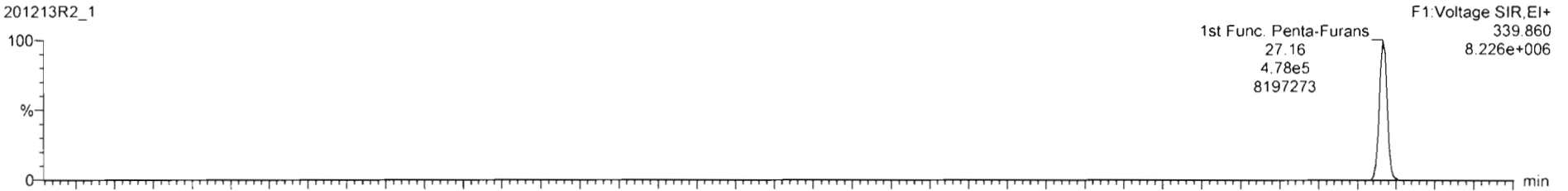
Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time

Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

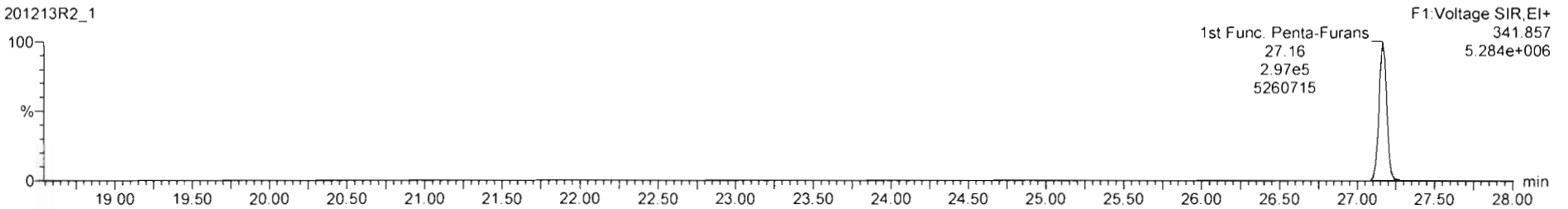
Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1st Func. Penta-Furans

201213R2_1

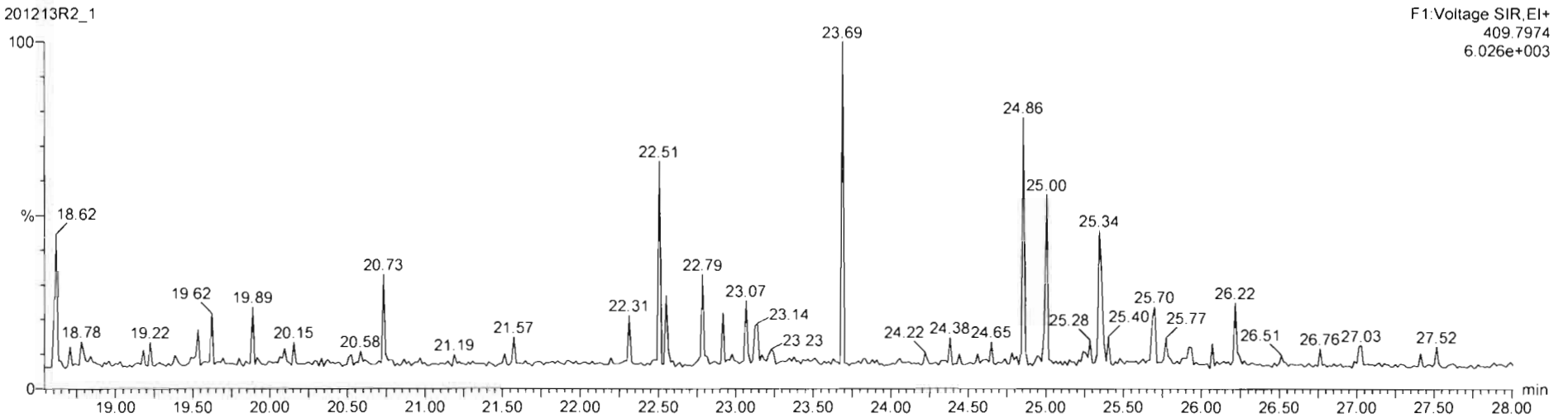


201213R2_1



DPE6

201213R2_1

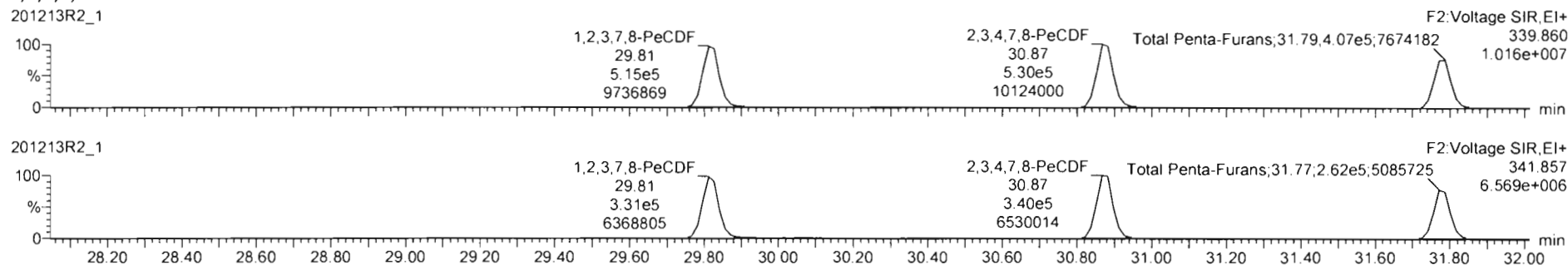


Dataset: Untitled

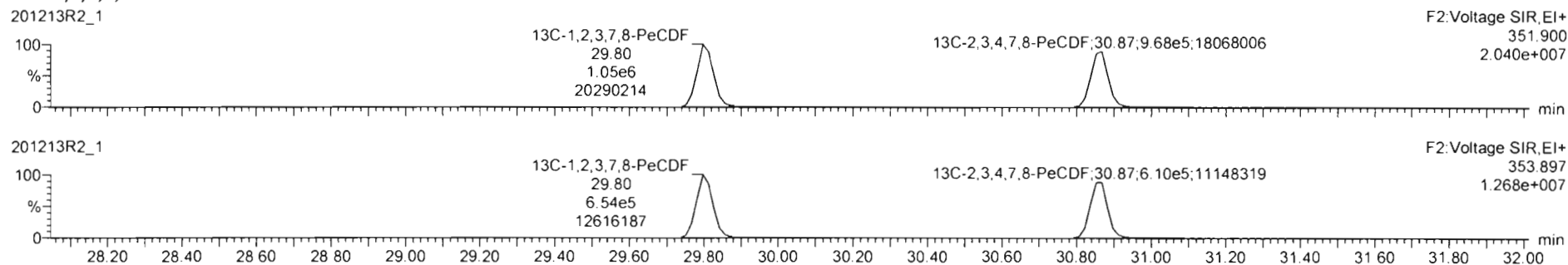
Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

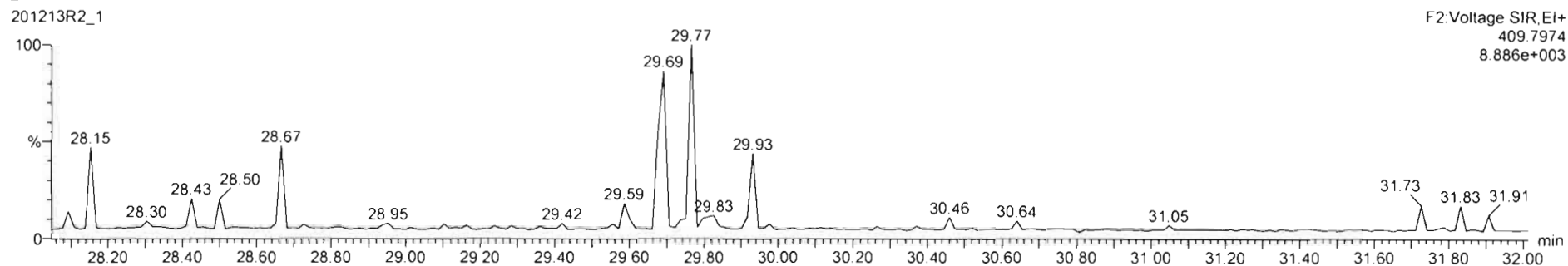
1,2,3,7,8-PeCDF



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



DPE2

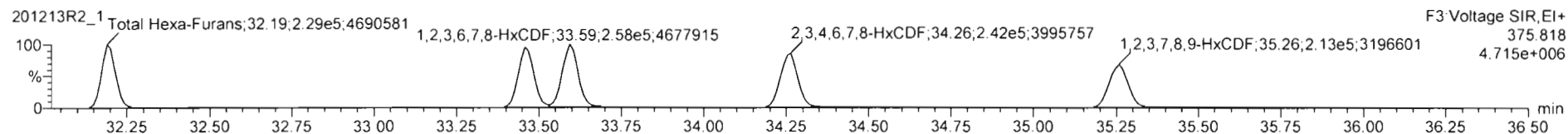
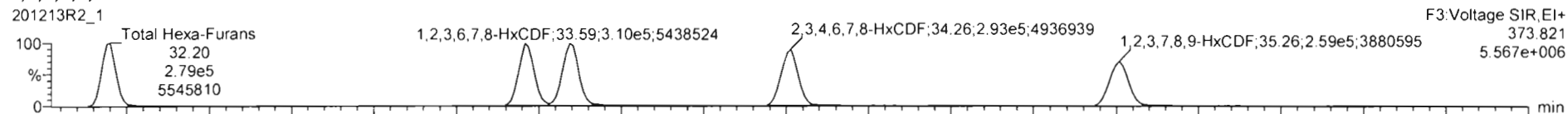


Dataset: Untitled

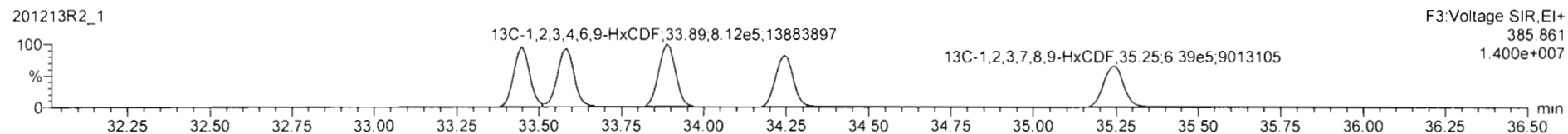
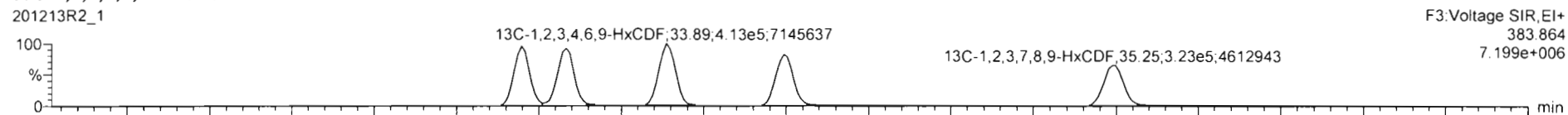
Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

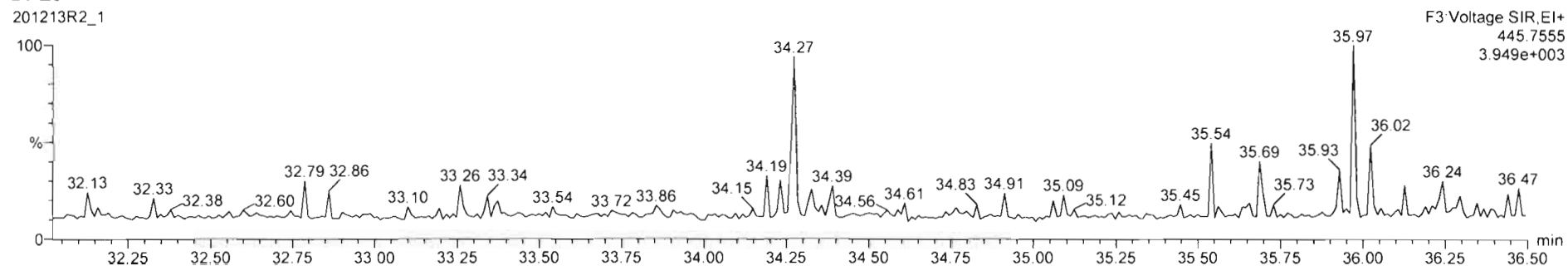
1,2,3,4,7,8-HxCDF



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



DPE3

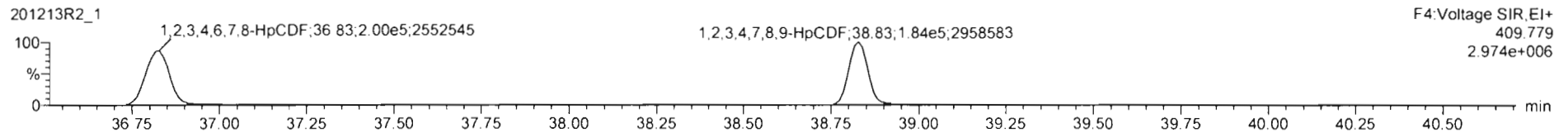
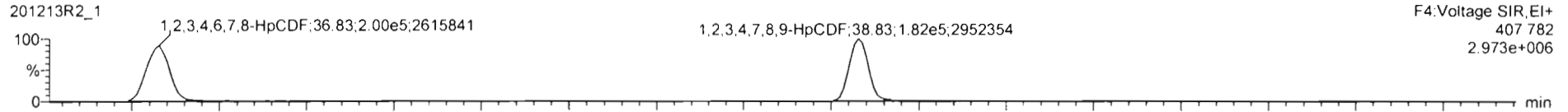


Dataset: Untitled

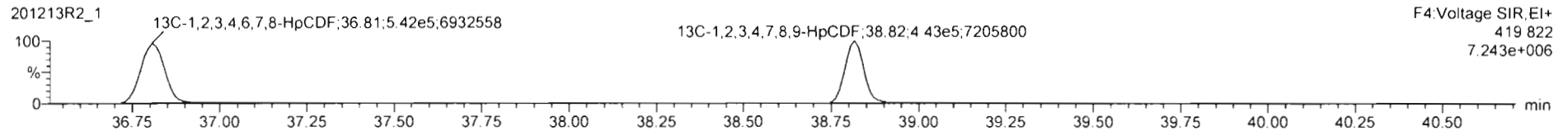
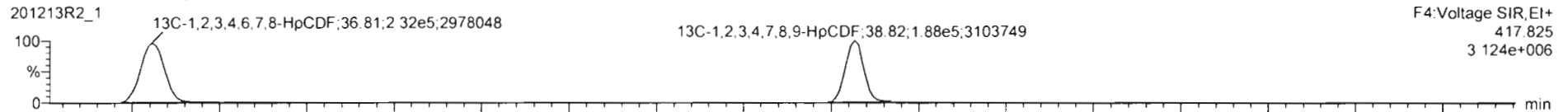
Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301

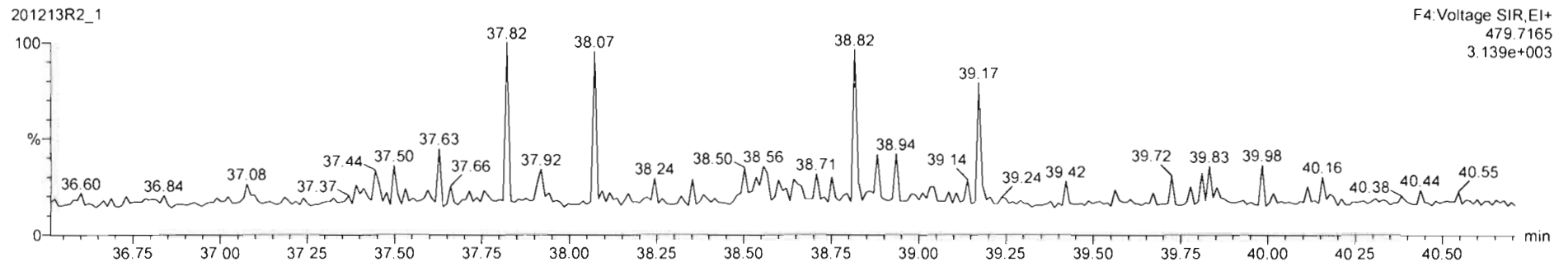
1,2,3,4,6,7,8-HpCDF



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



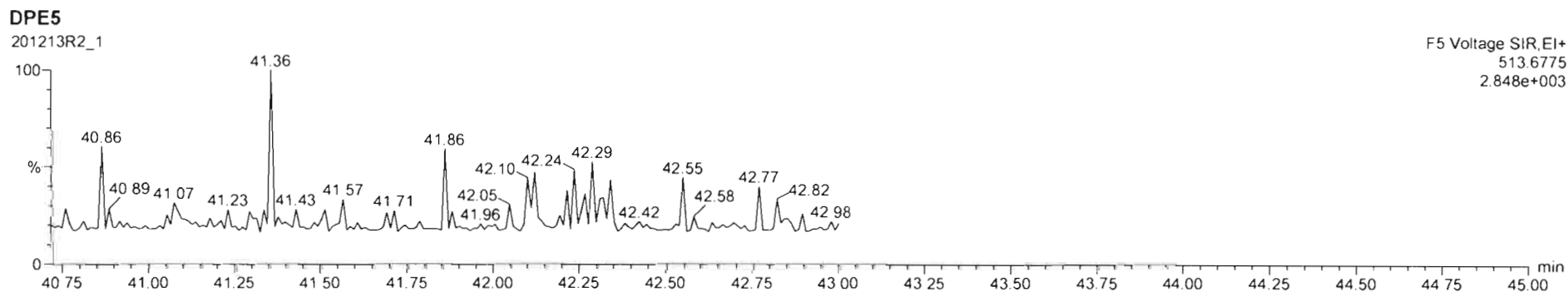
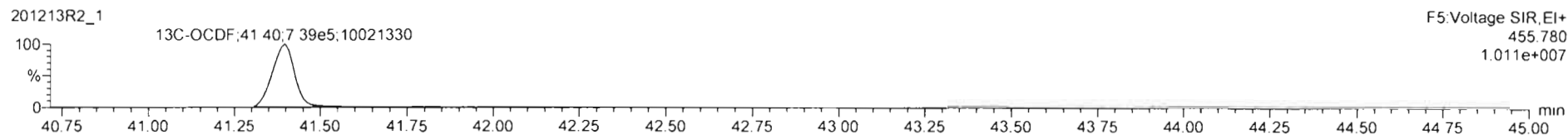
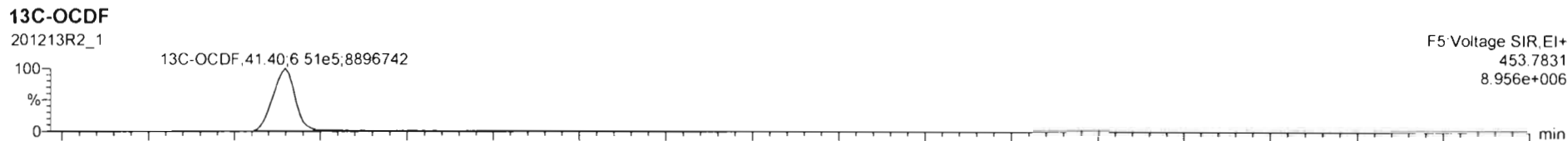
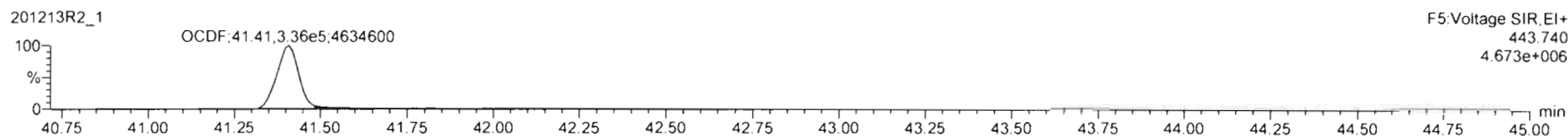
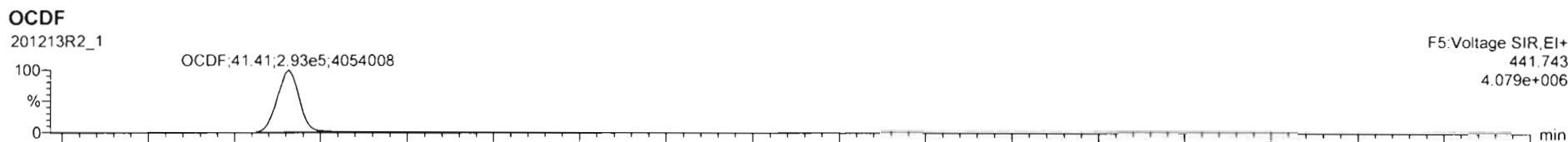
DPE4



Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

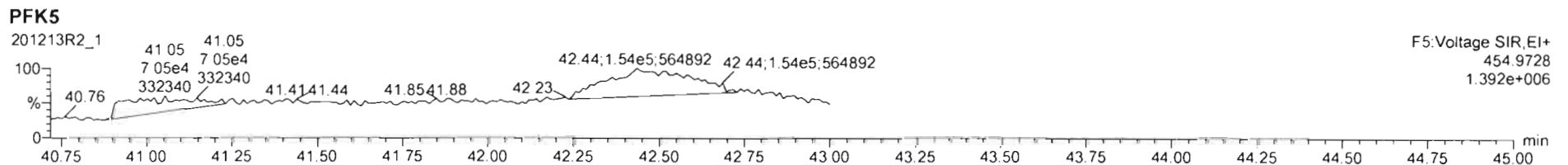
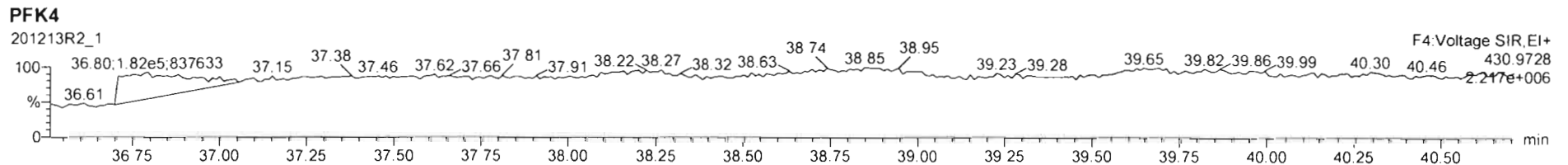
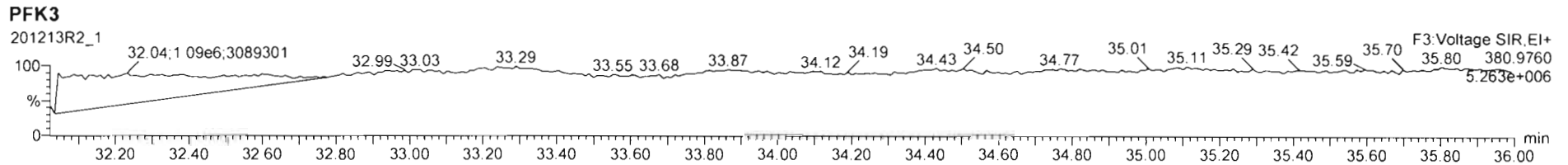
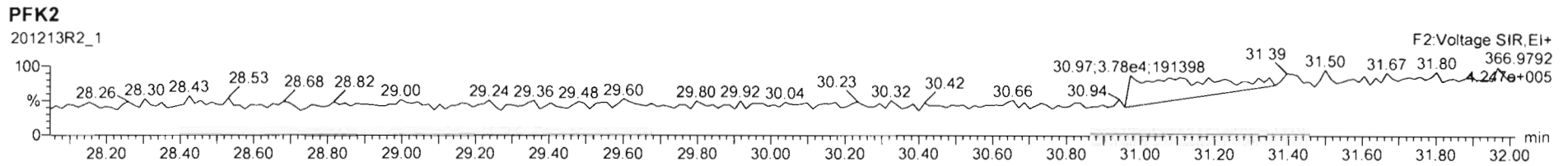
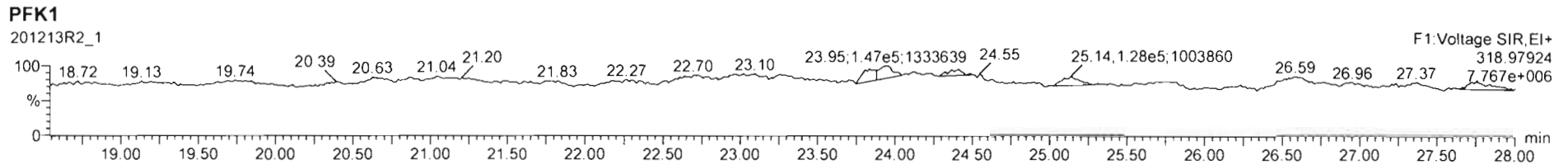
Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301



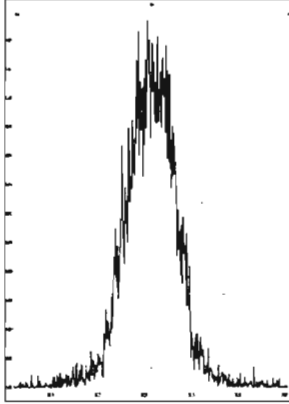
Dataset: Untitled

Last Altered: Monday, December 14, 2020 07:23:11 Pacific Standard Time
Printed: Monday, December 14, 2020 07:23:14 Pacific Standard Time

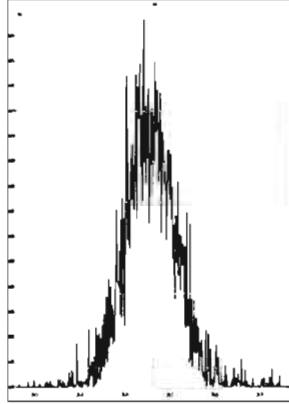
Name: 201213R2_1, Date: 13-Dec-2020, Time: 10:15:18, ID: ST201213R2_1 1613 CS3 20L0301, Description: 1613 CS3 20L0301



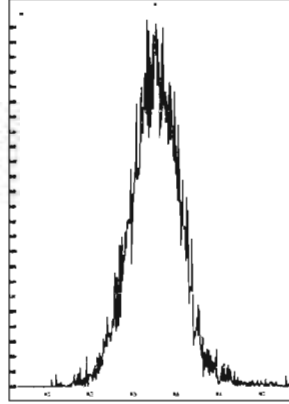
M 292.9824 R 12986



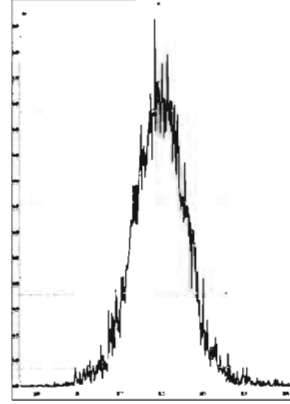
M 304.9824 R 13762



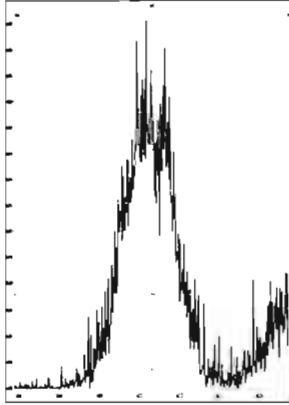
M 318.9792 R 12600



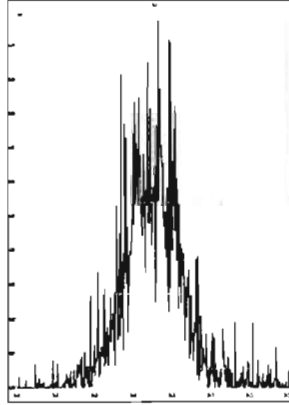
M 330.9792 R 11415



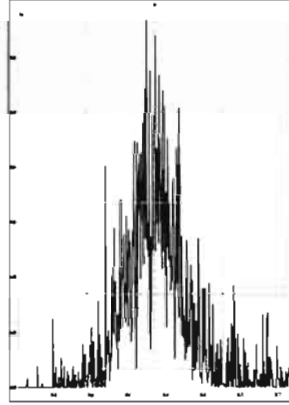
M 342.9792 R 13021



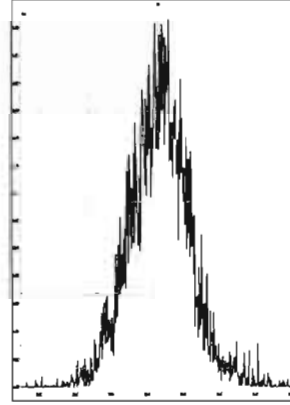
M 354.9792 R 13278



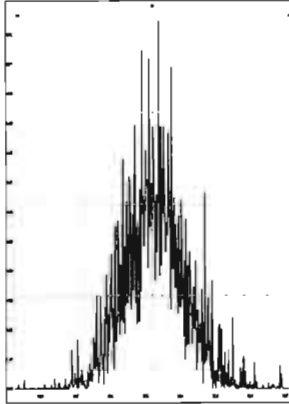
M 366.9792 R 17676



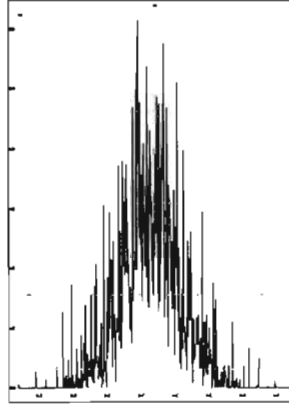
M 380.9760 R 11337



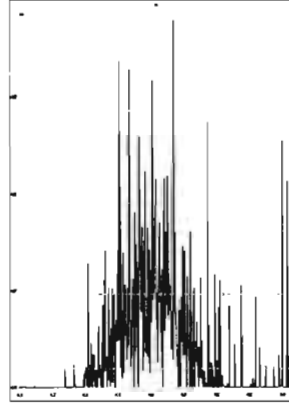
M 392.9760 R 13737



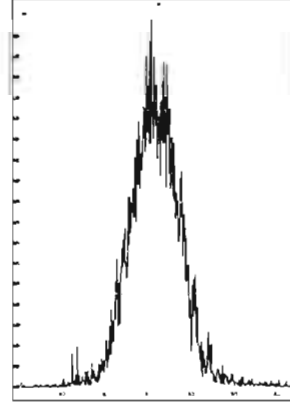
M 404.9760 R 15823



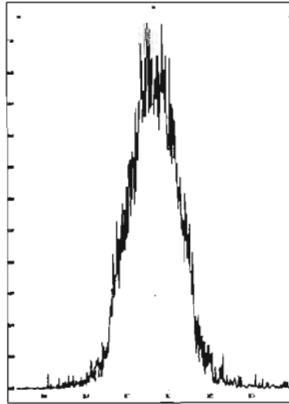
M 416.9760 R 42943



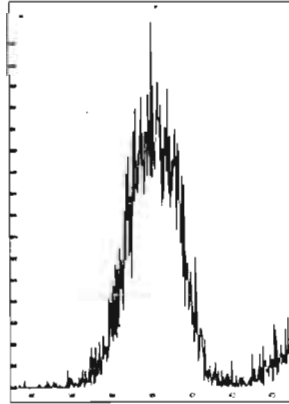
M 318.9792 R 13966



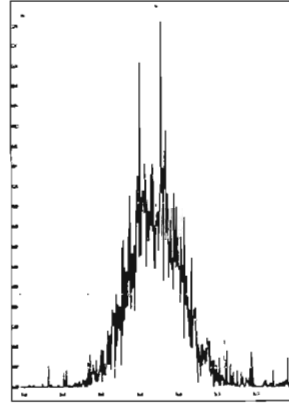
M 330.9792 R 12746



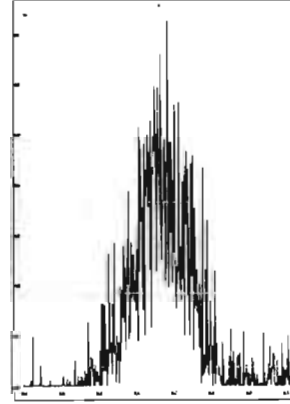
M 342.9792 R 12991



M 354.9792 R 14536

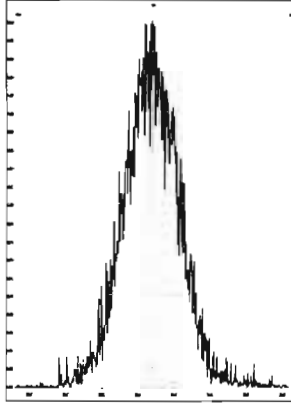


M 366.9792 R 16250

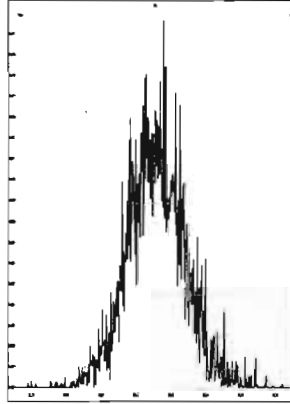


Printed: Sunday, December 13, 2020 21:30:04 Pacific Standard Time

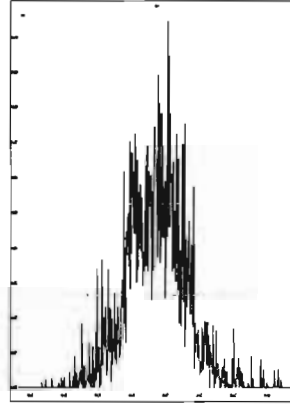
M 380.9760 R 11821



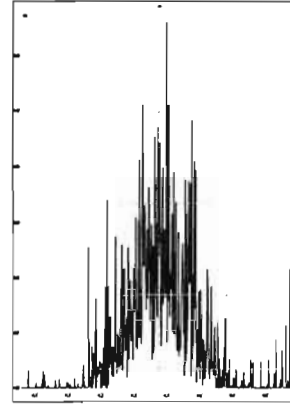
M 392.9760 R 13652



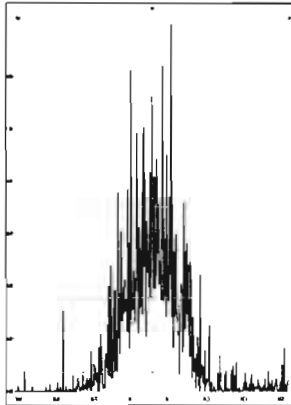
M 404.9760 R 13667



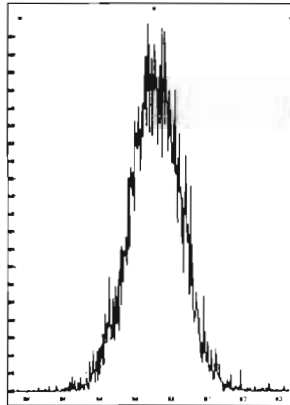
M 416.9760 R 15136



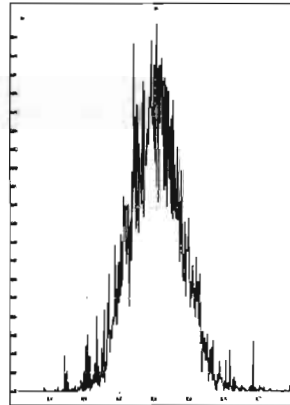
M 366.9792 R 15246



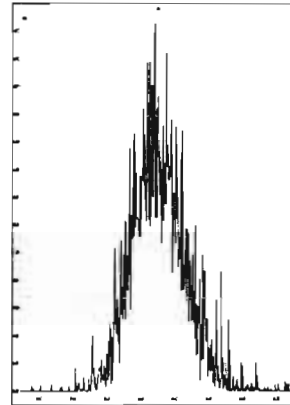
M 380.9760 R 12496



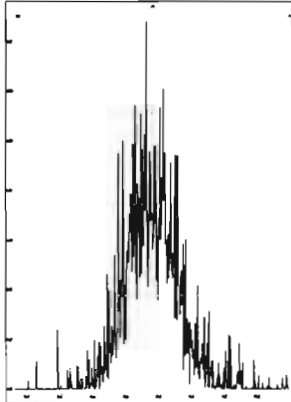
M 392.9760 R 12623



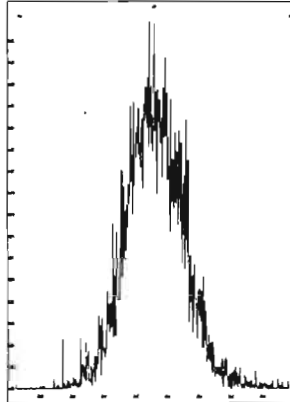
M 404.9760 R 14189



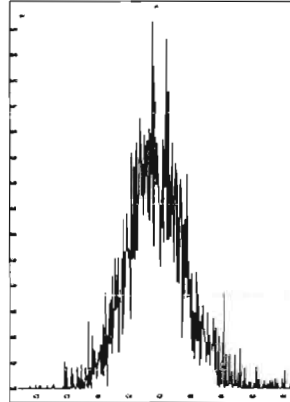
M 416.9760 R 16026



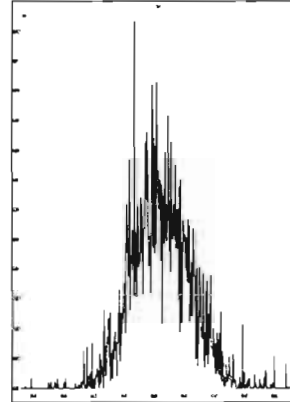
M 430.9728 R 12001



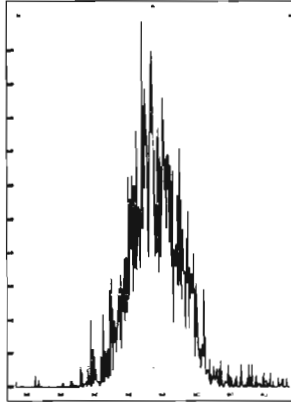
M 442.9728 R 13343



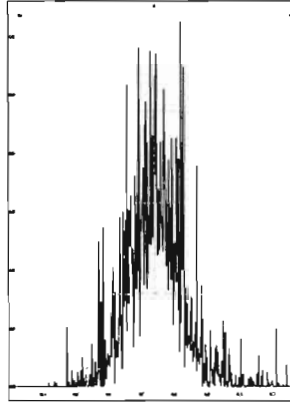
M 454.9728 R 13056



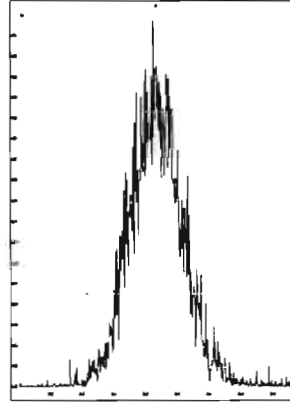
M 404.9760 R 12646



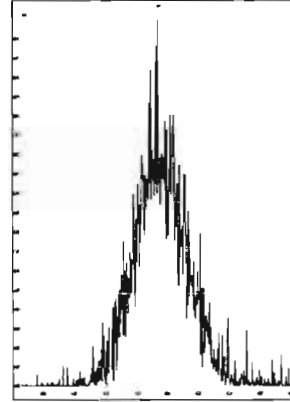
M 416.9760 R 14963



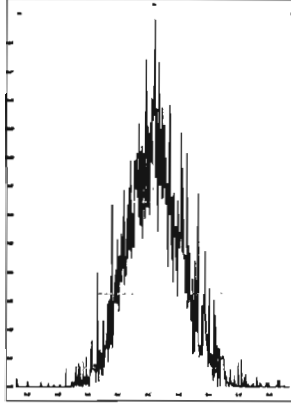
M 430.9728 R 12254



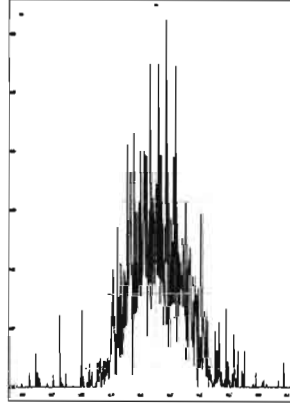
M 442.9728 R 13193



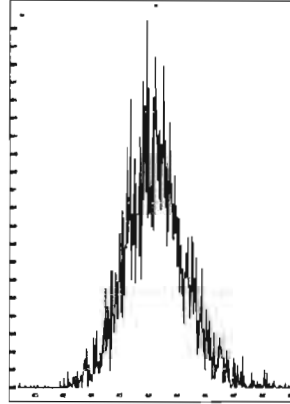
M 454.9728 R 13001



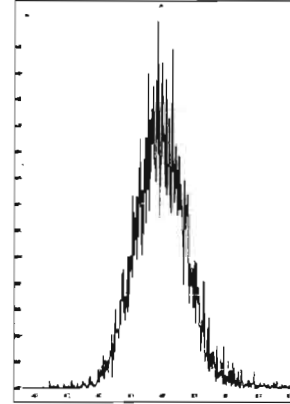
M 466.9728 R 15220



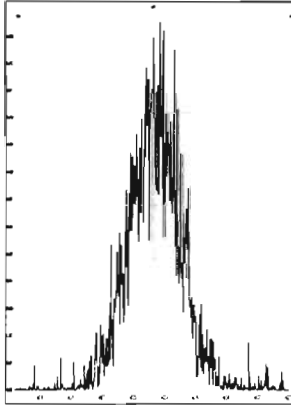
M 480.9696 R 10959



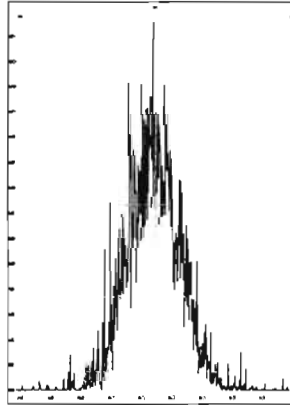
M 430.9728 R 13065



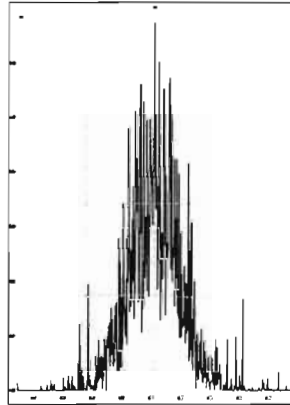
M 442.9728 R 13320



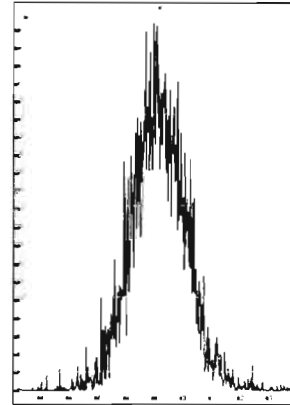
M 454.9728 R 13089



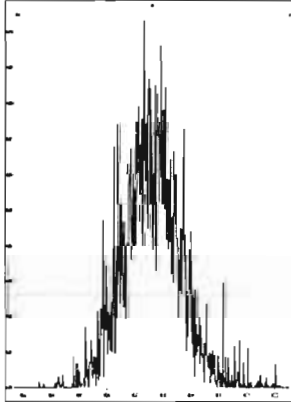
M 466.9728 R 15674



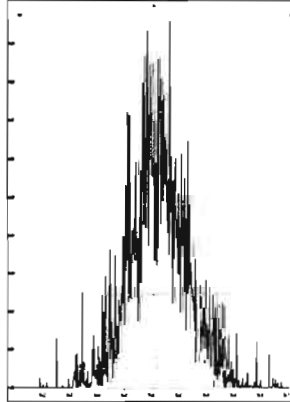
M 480.9696 R 13592



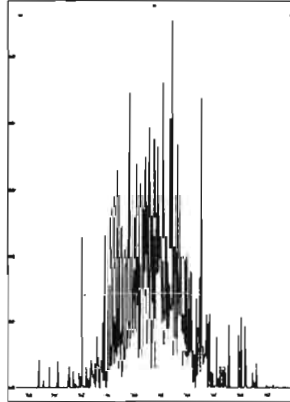
M 492.9696 R 14052



M 504.9696 R 13478



M 516.9697 R 15933



..... CALIBRATION STANDARDS REVIEW CHECKLIST

Begin Calibration ID: ST2012-14R1-2

Reviewed By: GPB 12/15/2020

Initials & Date

End Calibration ID: NA

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

Mass resolution ≥

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

Intergrated peaks display correctly?

GC Break <20%

NA

8280 CS1 End Standard:

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

NA

Comments:

Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time

Printed: Monday, December 14, 2020 12:20:55 Pacific Standard Time

HN 12/14/2020

GPB 12/15/2020

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	1.27e5	1.26e6	0.77	NO	0.980	26.38	26.38	NO	1.001	1.001	10.271	103	NO
2	2 1,2,3,7,8-PeCDD	4.85e5	9.68e5	0.62	NO	0.932	31.06	31.05	NO	1.001	1.000	53.732	107	NO
3	3 1,2,3,4,7,8-HxCDD	4.10e5	7.69e5	1.24	NO	1.02	34.36	34.36	NO	1.001	1.001	52.228	104	NO
4	4 1,2,3,6,7,8-HxCDD	4.19e5	8.78e5	1.23	NO	0.902	34.48	34.47	NO	1.001	1.000	52.902	106	NO
5	5 1,2,3,7,8,9-HxCDD	4.12e5	8.51e5	1.23	NO	0.954	34.74	34.74	NO	1.000	1.000	50.742	101	NO
6	6 1,2,3,4,6,7,8-HpCDD	3.17e5	6.97e5	1.03	NO	0.918	38.20	38.20	NO	1.000	1.000	49.520	99.0	NO
7	7 OCDD	5.02e5	1.09e6	0.88	NO	0.866	41.10	41.10	NO	1.000	1.000	106.32	106	NO
8	8 2,3,7,8-TCDF	1.42e5	1.77e6	0.74	NO	0.848	25.67	25.68	NO	1.000	1.001	9.4613	94.6	NO
9	9 1,2,3,7,8-PeCDF	7.35e5	1.46e6	1.55	NO	0.960	29.78	29.80	NO	1.000	1.000	52.529	105	NO
10	10 2,3,4,7,8-PeCDF	7.53e5	1.36e6	1.52	NO	1.07	30.86	30.85	NO	1.001	1.000	51.840	104	NO
11	11 1,2,3,4,7,8-HxCDF	4.79e5	9.93e5	1.21	NO	0.986	33.44	33.45	NO	1.000	1.001	48.986	98.0	NO
12	12 1,2,3,6,7,8-HxCDF	5.12e5	9.95e5	1.21	NO	1.04	33.58	33.58	NO	1.001	1.001	49.544	99.1	NO
13	13 2,3,4,6,7,8-HxCDF	4.73e5	9.34e5	1.23	NO	1.02	34.25	34.24	NO	1.001	1.000	49.707	99.4	NO
14	14 1,2,3,7,8,9-HxCDF	4.54e5	9.23e5	1.24	NO	0.991	35.24	35.25	NO	1.000	1.001	49.674	99.3	NO
15	15 1,2,3,4,6,7,8-HpCDF	3.67e5	7.01e5	1.01	NO	1.05	36.81	36.82	NO	1.000	1.001	49.825	99.6	NO
16	16 1,2,3,4,7,8,9-HpCDF	3.32e5	5.66e5	1.01	NO	1.18	38.82	38.82	NO	1.000	1.000	49.839	99.7	NO
17	17 OCDF	5.54e5	1.23e6	0.87	NO	0.896	41.38	41.39	NO	1.000	1.000	100.54	101	NO
18	18 13C-2,3,7,8-TCDD	1.26e6	1.18e6	0.79	NO	1.06	26.35	26.35	NO	1.030	1.030	101.23	101	NO
19	19 13C-1,2,3,7,8-PeCDD	9.68e5	1.18e6	0.63	NO	0.785	31.19	31.03	NO	1.219	1.213	104.90	105	NO
20	20 13C-1,2,3,4,7,8-HxCDD	7.69e5	1.10e6	1.29	NO	0.621	34.34	34.34	NO	1.014	1.014	112.32	112	NO
21	21 13C-1,2,3,6,7,8-HxCDD	8.78e5	1.10e6	1.25	NO	0.734	34.46	34.46	NO	1.017	1.017	108.34	108	NO
22	22 13C-1,2,3,7,8,9-HxCDD	8.51e5	1.10e6	1.27	NO	0.723	34.74	34.73	NO	1.026	1.025	106.69	107	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.97e5	1.10e6	1.04	NO	0.568	38.24	38.19	NO	1.129	1.127	111.25	111	NO
24	24 13C-OCDD	1.09e6	1.10e6	0.90	NO	0.496	41.18	41.09	NO	1.216	1.213	199.47	99.7	NO
25	25 13C-2,3,7,8-TCDF	1.77e6	1.87e6	0.77	NO	0.919	25.65	25.67	NO	1.003	1.003	102.83	103	NO
26	26 13C-1,2,3,7,8-PeCDF	1.46e6	1.87e6	1.59	NO	0.715	29.90	29.78	NO	1.169	1.164	109.00	109	NO
27	27 13C-2,3,4,7,8-PeCDF	1.36e6	1.87e6	1.58	NO	0.689	30.99	30.84	NO	1.212	1.206	105.79	106	NO
28	28 13C-1,2,3,4,7,8-HxCDF	9.93e5	1.10e6	0.50	NO	0.873	33.44	33.43	NO	0.987	0.987	102.95	103	NO
29	29 13C-1,2,3,6,7,8-HxCDF	9.95e5	1.10e6	0.51	NO	0.933	33.57	33.56	NO	0.991	0.991	96.583	96.6	NO
30	30 13C-2,3,4,6,7,8-HxCDF	9.34e5	1.10e6	0.51	NO	0.843	34.24	34.23	NO	1.011	1.010	100.33	100	NO
31	31 13C-1,2,3,7,8,9-HxCDF	9.23e5	1.10e6	0.51	NO	0.780	35.24	35.23	NO	1.040	1.040	107.16	107	NO

Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time

Printed: Monday, December 14, 2020 12:20:55 Pacific Standard Time

Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	13C-1,2,3,4,6,7,8-HpCDF	7.01e5	1.10e6	0.42	NO	0.726	36.81	36.79	NO	1.087	1.086	87.439	87.4	NO
33	13C-1,2,3,4,7,8,9-HpCDF	5.66e5	1.10e6	0.43	NO	0.491	38.82	38.81	NO	1.146	1.145	104.38	104	NO
34	13C-OCDF	1.23e6	1.10e6	0.87	NO	0.565	41.40	41.38	NO	1.222	1.221	197.00	98.5	NO
35	37Cl-2,3,7,8-TCDD	1.59e5	1.18e6			1.22	26.35	26.38	NO	1.030	1.031	11.077	111	NO
36	13C-1,2,3,4-TCDD	1.18e6	1.18e6	0.80	NO	1.00	25.64	25.58	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	1.87e6	1.87e6	0.79	NO	1.00	24.13	24.09	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	1.10e6	1.10e6	0.51	NO	1.00	33.92	33.88	NO	1.000	1.000	100.00	100	YES <i>ok</i>

Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 6:52:02 AM Pacific Standard Time
Printed: Tuesday, December 15, 2020 6:53:09 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Compound name: 2,3,4,7,8-PeCDF

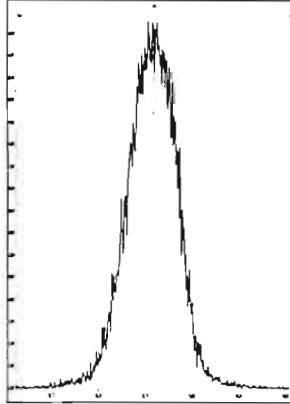
	Name	ID	Acq.Date	Acq.Time
1	201214R1_1	ST201214R1_1 1613 CS3 20L0301	14-Dec-20	10:05:30
2	201214R1_2	ST201214R1_2 1613 CS3 20L0301	14-Dec-20	11:24:15
3	201214R1_3	SOLVENT BLANK	14-Dec-20	12:12:55
4	201214R1_4	SOLVENT BLANK	14-Dec-20	13:02:53
5	201214R1_5	B0L0040-BS1 OPR 10	14-Dec-20	13:49:10
6	(A) 201214R1_6			
7	201214R1_7	B0L0040-BLK1 Method Blank 10	14-Dec-20	15:22:36
8	201214R1_8	2002431-06@10X USMPDI-044SC-A-10-11-2...	14-Dec-20	16:09:29
9	201214R1_9	2002434-10 USMPDI-056SC-A-01-02-201107 ...	14-Dec-20	16:53:43
10	201214R1_10	2002434-13 USMPDI-056SC-A-04-05-201107 ...	14-Dec-20	17:37:57
11	201214R1_11	B0L0034-DUP1 Duplicate 16.99	14-Dec-20	18:22:12
12	201214R1_12	B0L0034-DUP2 Duplicate 17.17	14-Dec-20	19:06:26
13	201214R1_13	2002435-01 USMPDI-013SC-A-01-02-201108 ...	14-Dec-20	19:50:42
14	201214R1_14	2002435-02 USMPDI-013SC-A-02-03-201108 ...	14-Dec-20	20:34:57

(A) Instrument paused, allowed solvent blank (4x) to go through GC cycle, no data acquired HN 12/15/2020 ✓

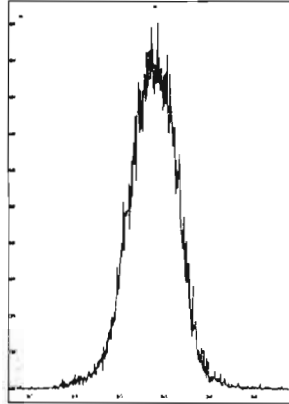
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, December 14, 2020 11:19:04 Pacific Standard Time

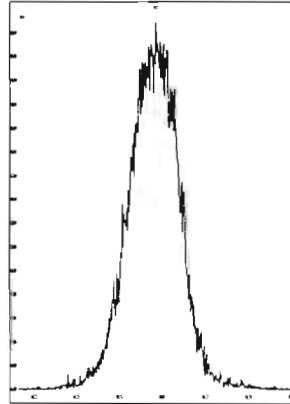
M 292.9824 R 12625



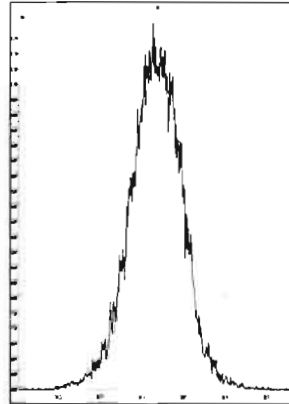
M 304.9824 R 12502



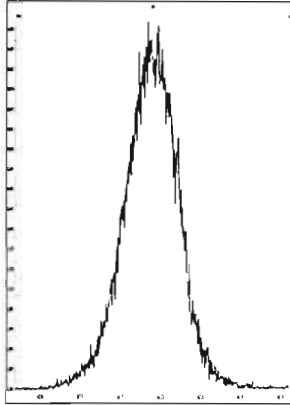
M 318.9792 R 12690



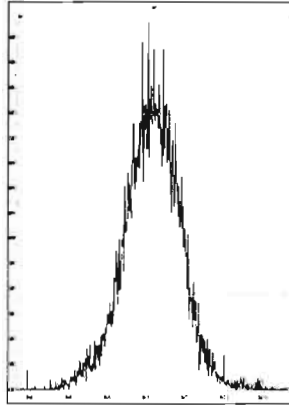
M 330.9792 R 11064



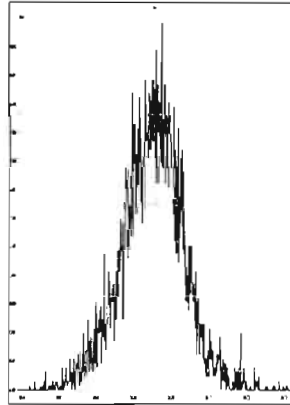
M 342.9792 R 11057



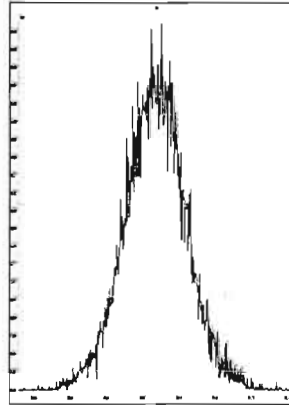
M 354.9792 R 11259



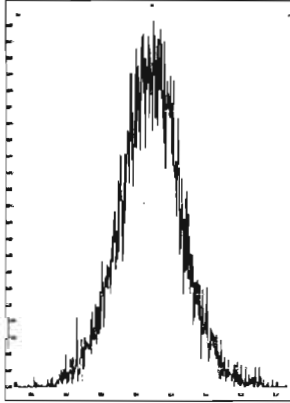
M 366.9792 R 11312



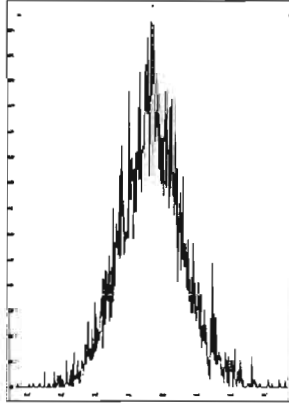
M 380.9760 R 11362



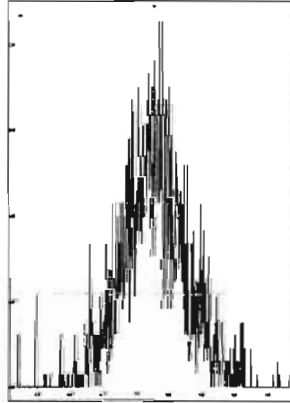
M 392.9760 R 10122



M 404.9760 R 11061



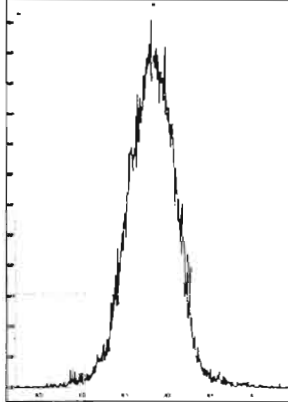
M 416.9760 R 12378



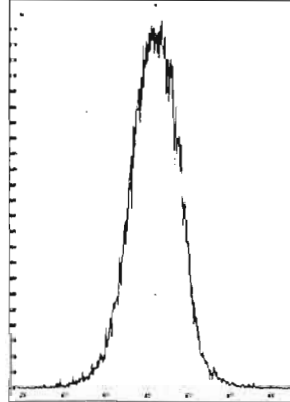
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, December 14, 2020 11:20:11 Pacific Standard Time

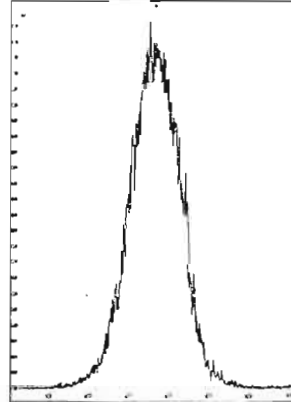
M 318.9792 R 12754



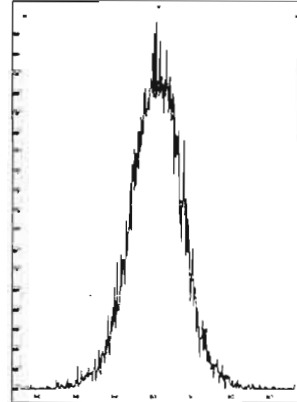
M 330.9792 R 11850



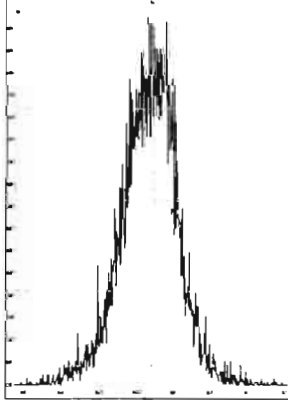
M 342.9792 R 12195



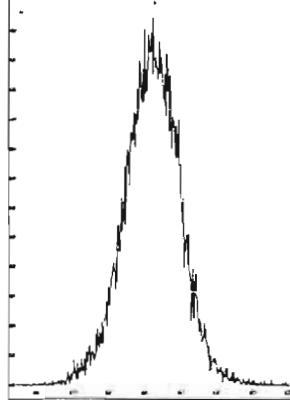
M 354.9792 R 12257



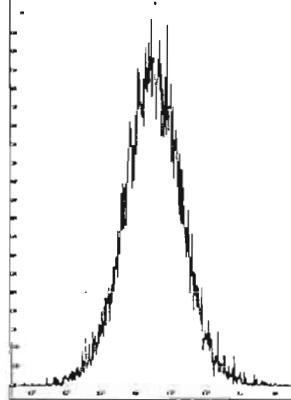
M 366.9792 R 11463



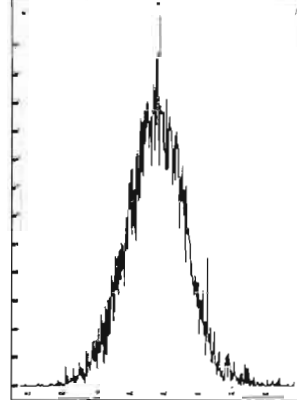
M 380.9760 R 11016



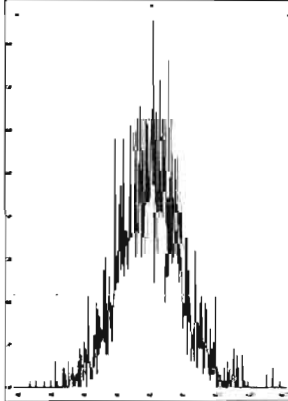
M 392.9760 R 10639



M 404.9760 R 10641



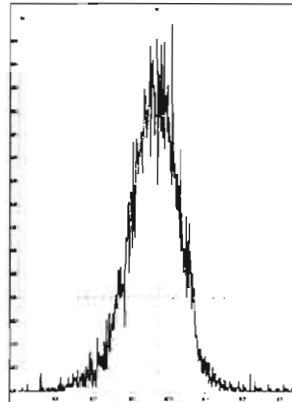
M 416.9760 R 11738



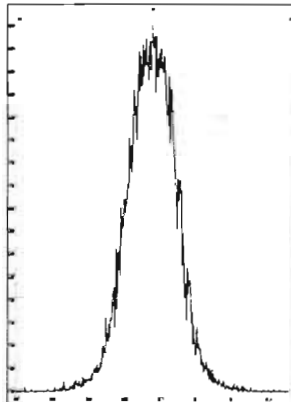
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, December 14, 2020 11:21:09 Pacific Standard Time

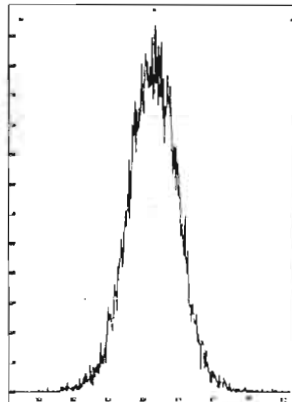
M 366.9792 R 12501



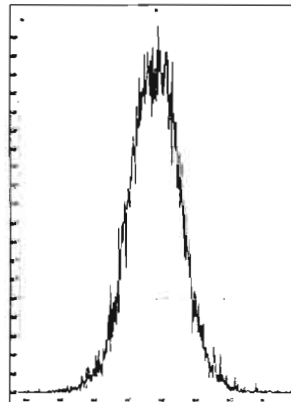
M 380.9760 R 11904



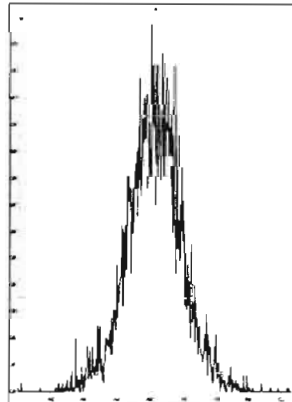
M 392.9760 R 11964



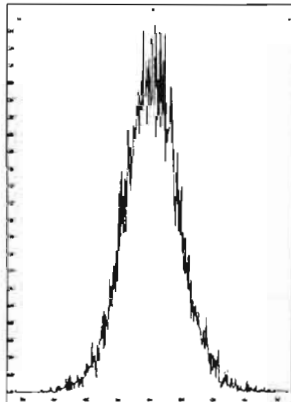
M 404.9760 R 11013



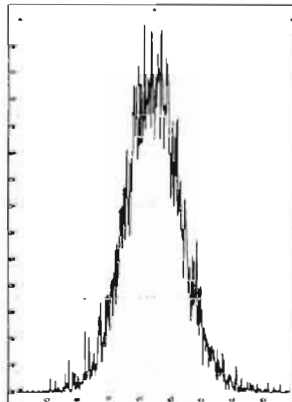
M 416.9760 R 12624



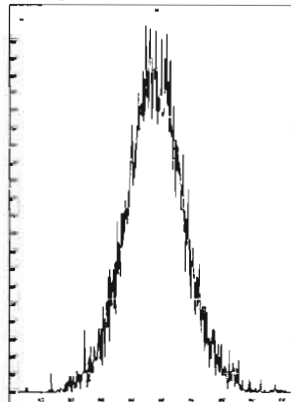
M 430.9728 R 12020



M 442.9728 R 10868



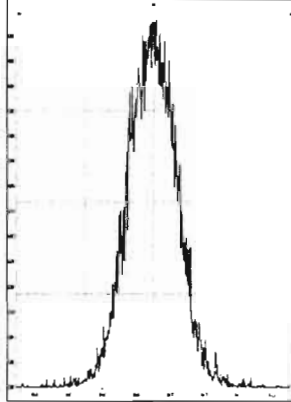
M 454.9728 R 10037



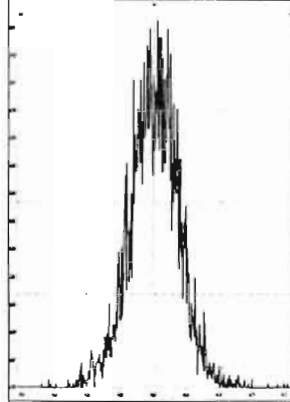
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, December 14, 2020 11:22:03 Pacific Standard Time

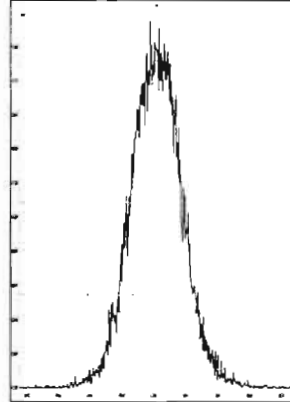
M 404.9760 R 12627



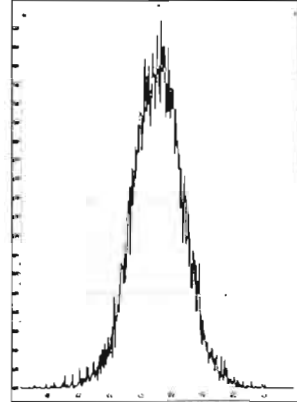
M 416.9760 R 13019



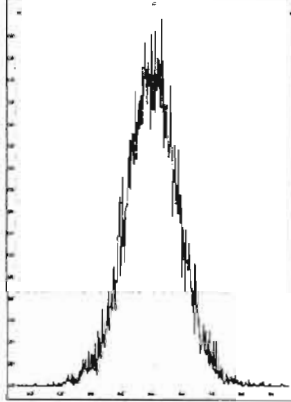
M 430.9728 R 12196



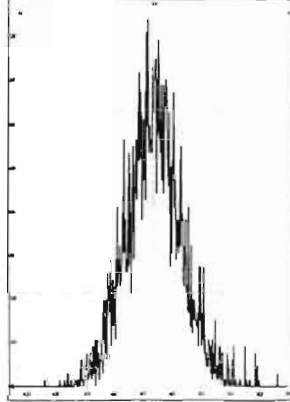
M 442.9728 R 11681



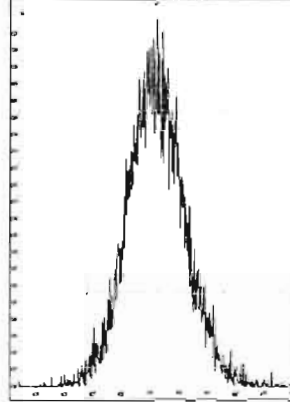
M 454.9728 R 11680



M 466.9728 R 12135



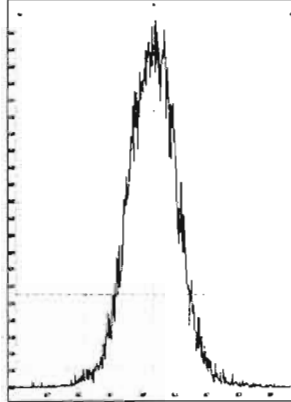
M 480.9696 R 10868



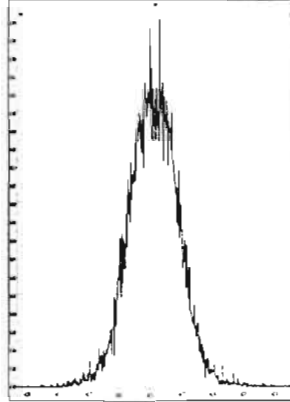
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, December 14, 2020 11:22:48 Pacific Standard Time

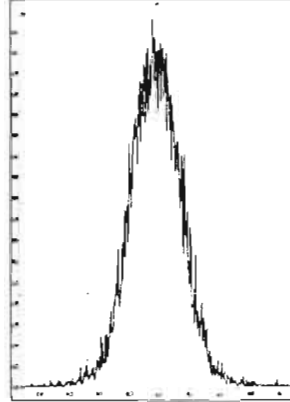
M 430.9728 R 12019



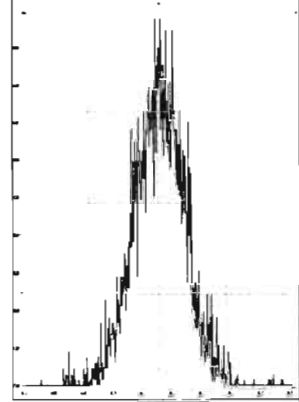
M 442.9728 R 12565



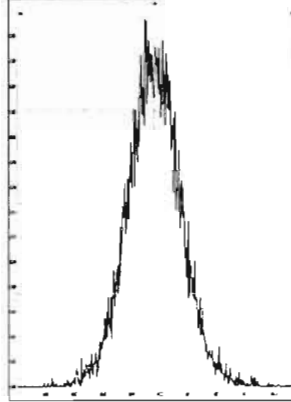
M 454.9728 R 12077



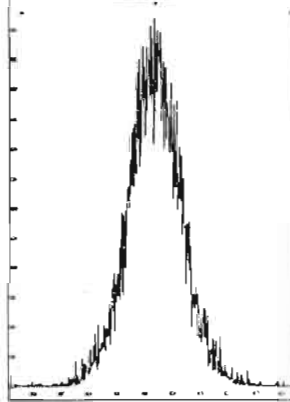
M 466.9728 R 12819



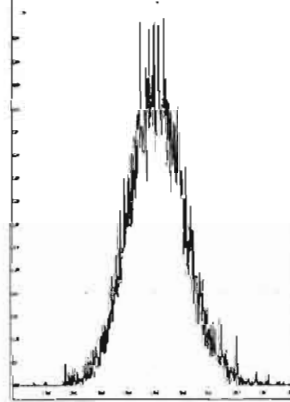
M 480.9696 R 11629



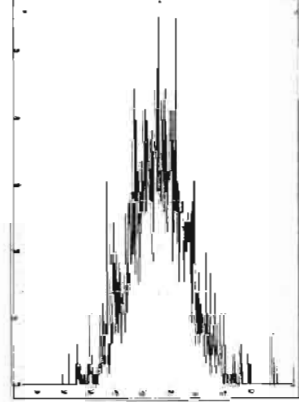
M 492.9696 R 11904



M 504.9696 R 10549



M 516.9697 R 13513



Dataset: U:\VG12.PRO\Results\201214R1\201214R1_CPSM.qld

Last Altered: Monday, December 14, 2020 12:15:08 Pacific Standard Time

Printed: Monday, December 14, 2020 12:15:48 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 11 Dec 2020 14:14:32

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.56
2	2 1,2,8,9-TCDD (Last)	27.27
3	3 1,2,4,7,9-PeCDD (First)	28.79
4	4 1,2,3,8,9-PeCDD (Last)	31.41
5	5 1,2,4,6,7,9-HxCDD (First)	32.71
6	6 1,2,3,7,8,9-HxCDD (Last)	34.74
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.20
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.20
9	9 1,3,6,8-TCDF (First)	20.30
10	10 1,2,8,9-TCDF (Last)	27.56
11	11 1,3,4,6,8-PeCDF (First)	27.13
12	12 1,2,3,8,9-PeCDF (Last)	31.76
13	13 1,2,3,4,6,8-HxCDF (First)	32.18
14	14 1,2,3,7,8,9-HxCDF (Last)	35.25
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.82
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.82

Dataset: U:\VG12.PRO\Results\201214R1\201214R1_CPSM.qld

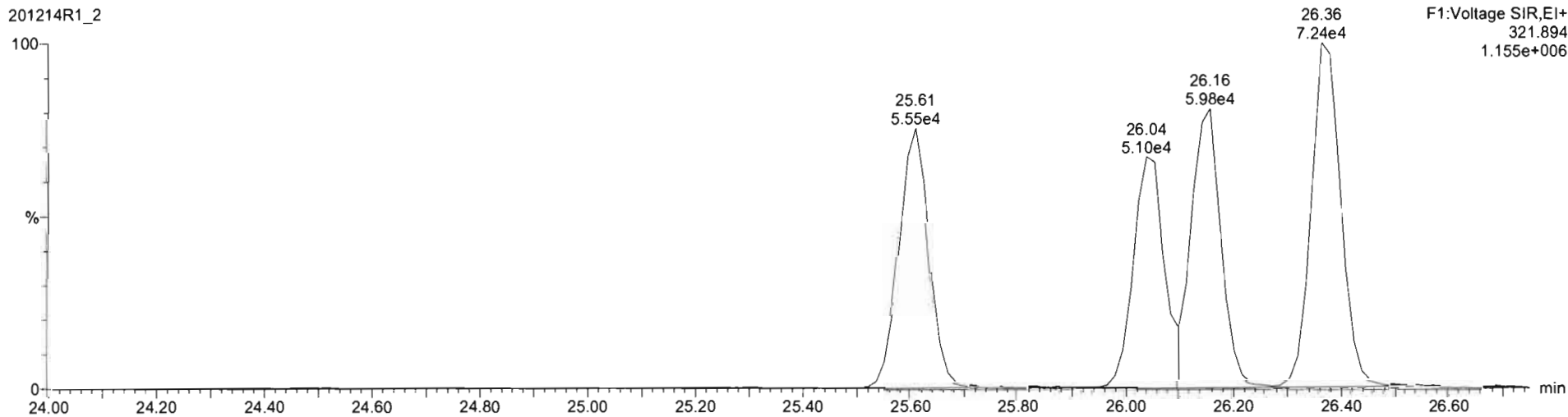
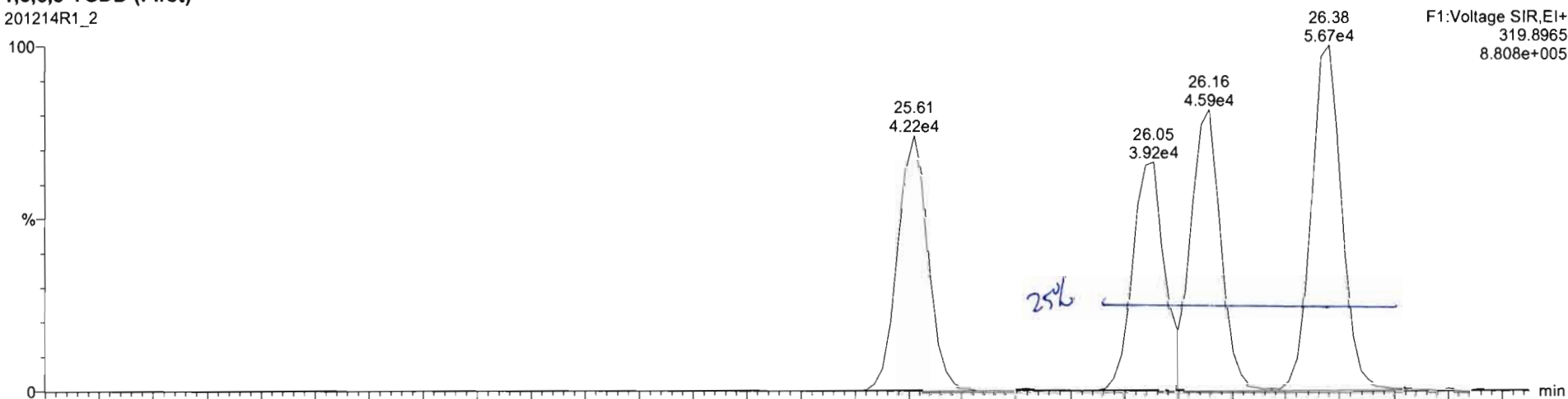
Last Altered: Monday, December 14, 2020 12:15:08 Pacific Standard Time
Printed: Monday, December 14, 2020 12:15:48 Pacific Standard Time

FIN 12/14/20
GRB 12/15/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 11 Dec 2020 14:14:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1,3,6,8-TCDD (First)
201214R1_2



Vista Analytical Laboratory VG-11

Dataset: U:\VG12.PRO\Results\201214R1\201214R1_CPSM.qld

Last Altered: Monday, December 14, 2020 12:15:08 Pacific Standard Time

Printed: Monday, December 14, 2020 12:15:48 Pacific Standard Time

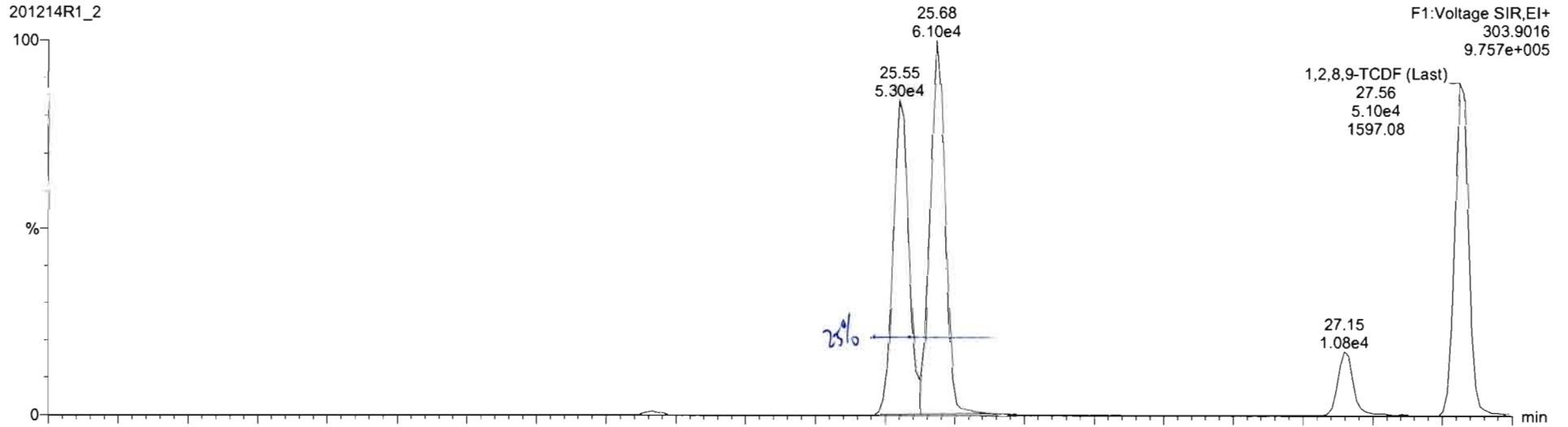
L/N 12/14/2020

GPB 12/15/2020

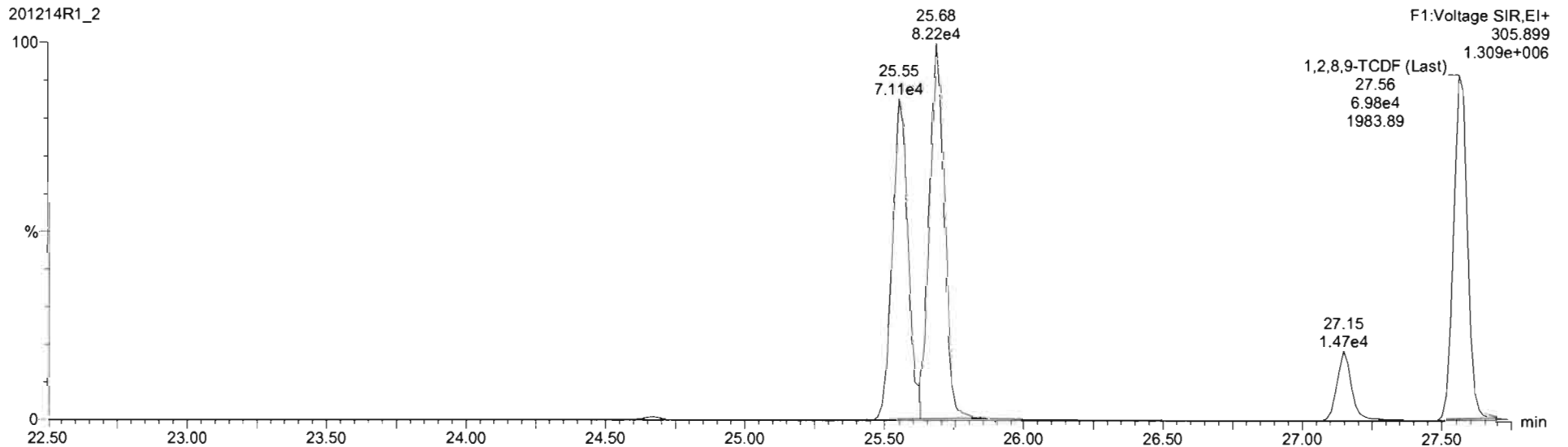
Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201214R1_2



201214R1_2



Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

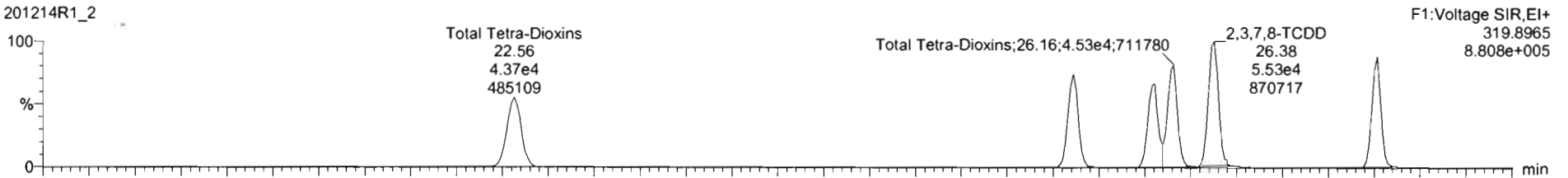
Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time
Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-12-11-20.mdb 11 Dec 2020 08:35:32
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

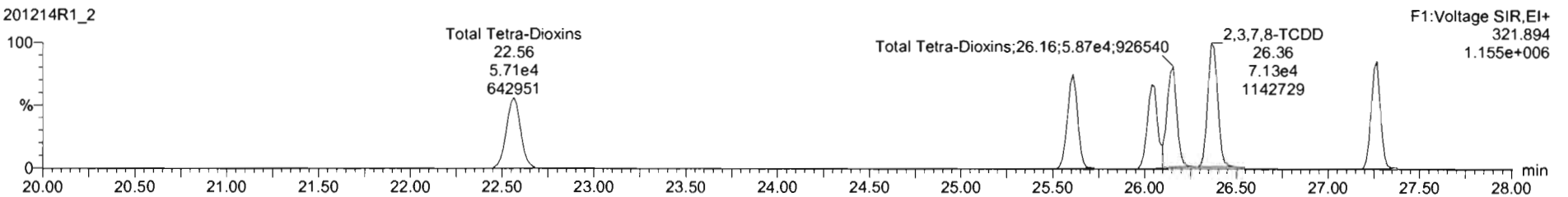
Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

2,3,7,8-TCDD

201214R1_2

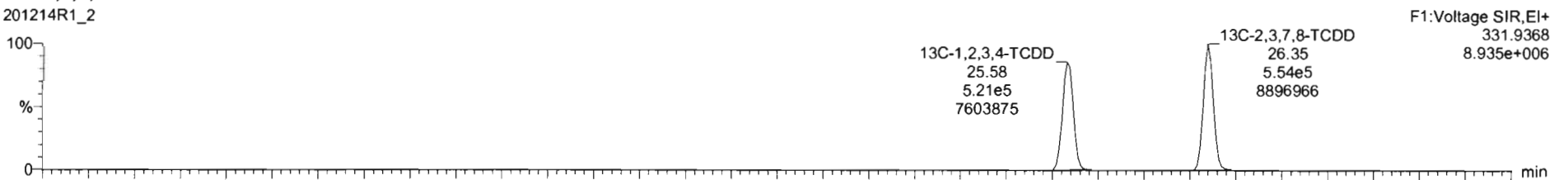


201214R1_2

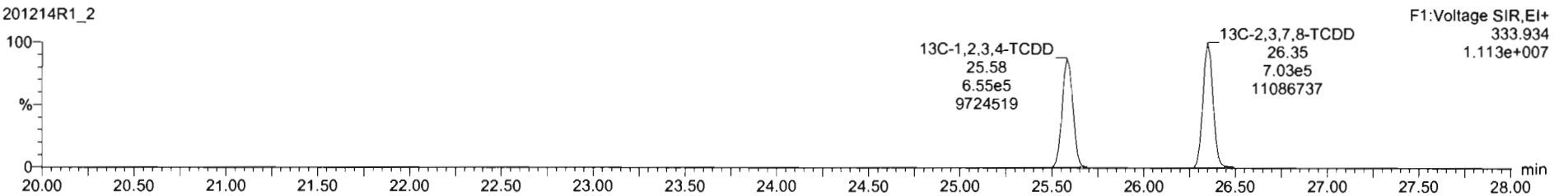


13C-2,3,7,8-TCDD

201214R1_2



201214R1_2



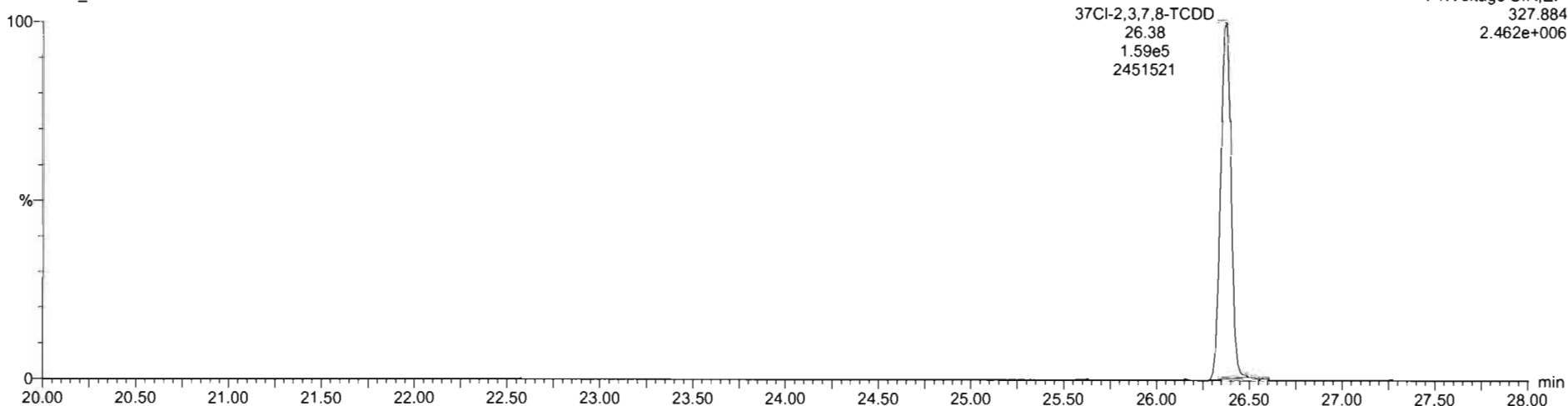
Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time
Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

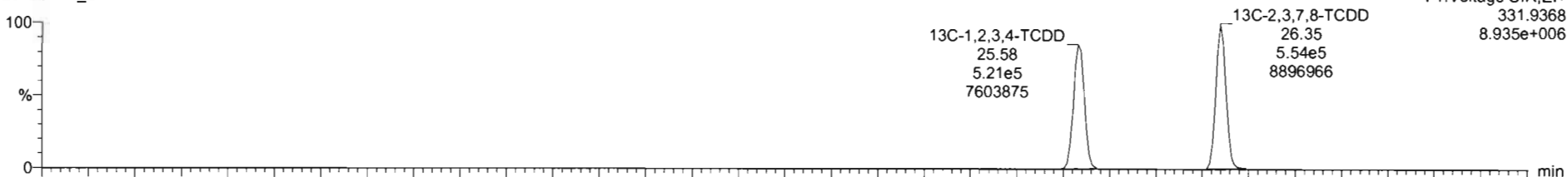
37Cl-2,3,7,8-TCDD

201214R1_2

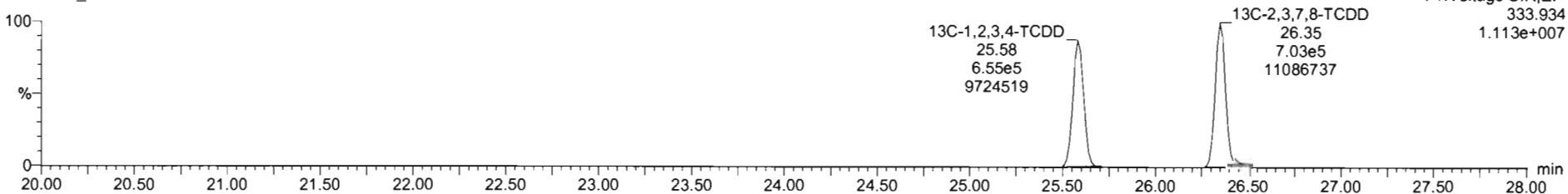


13C-1,2,3,4-TCDD

201214R1_2



201214R1_2



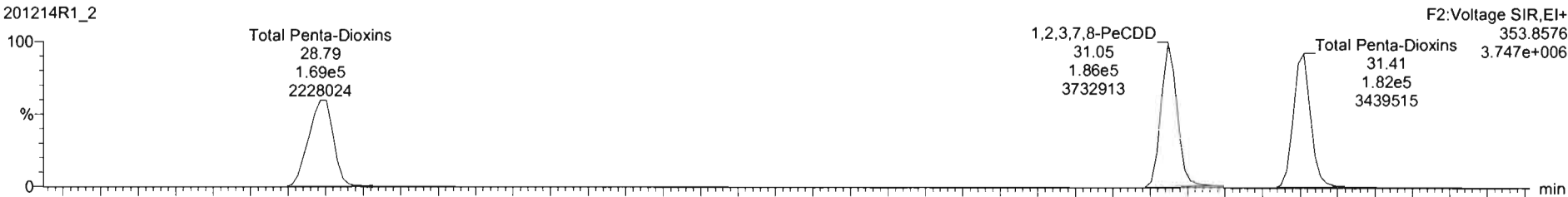
Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time
Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

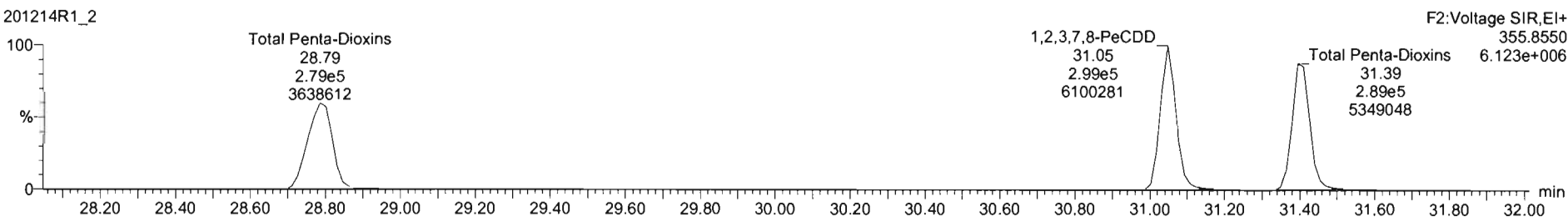
Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1,2,3,7,8-PeCDD

201214R1_2

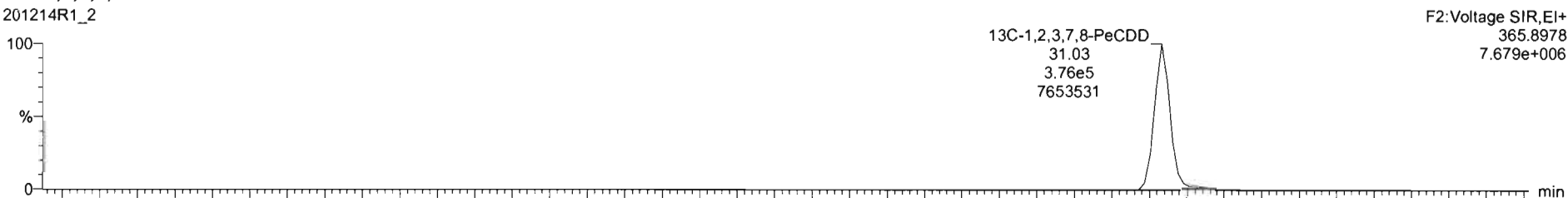


201214R1_2

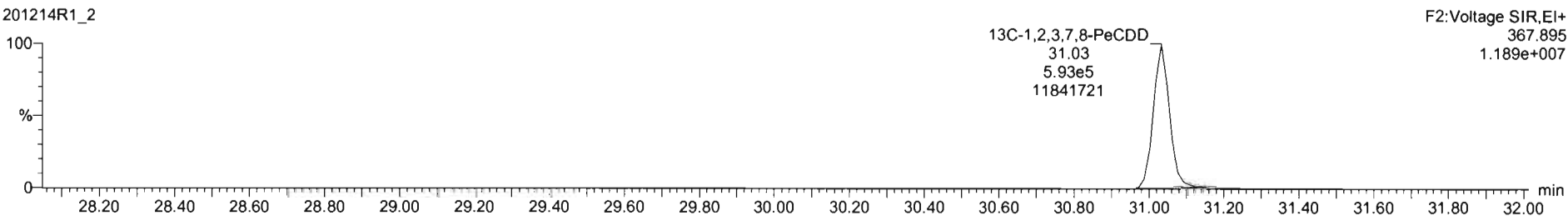


13C-1,2,3,7,8-PeCDD

201214R1_2



201214R1_2

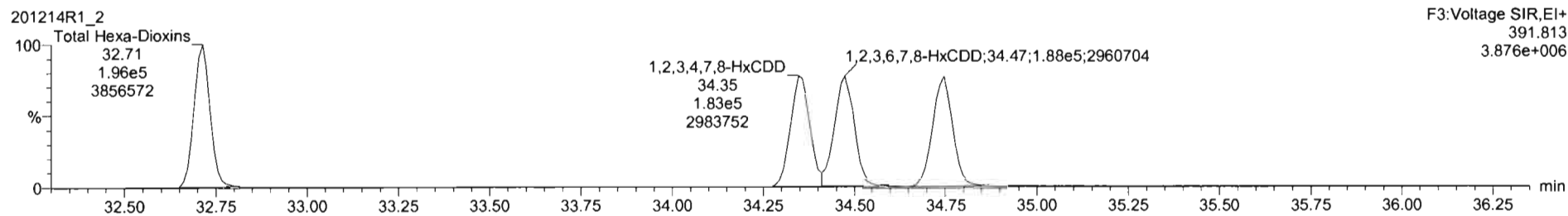
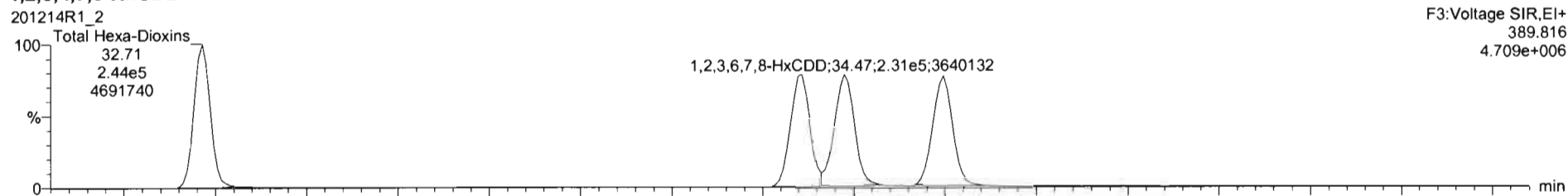


Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

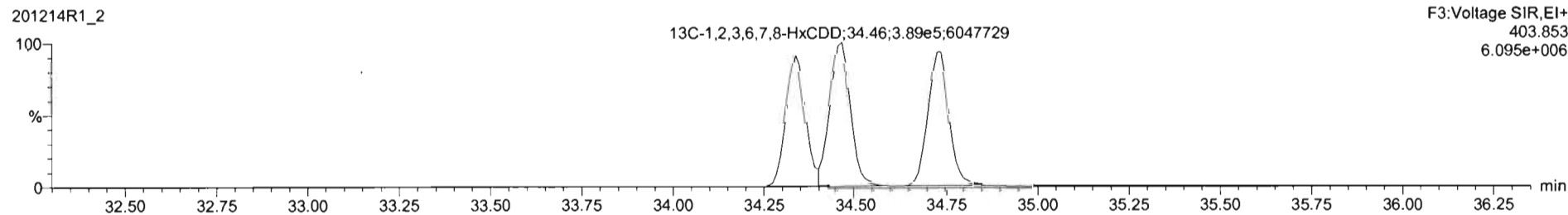
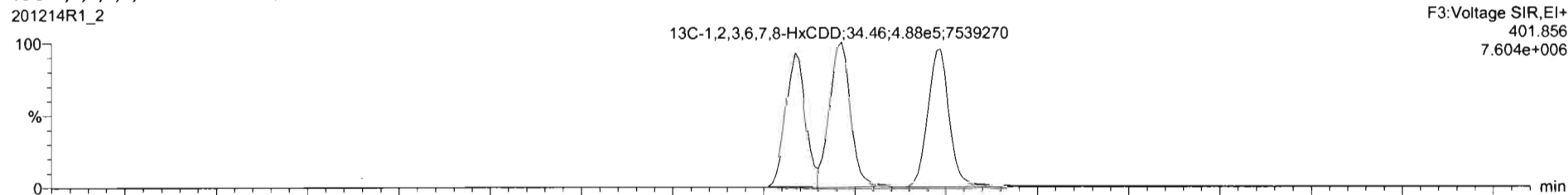
Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time
Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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



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



Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

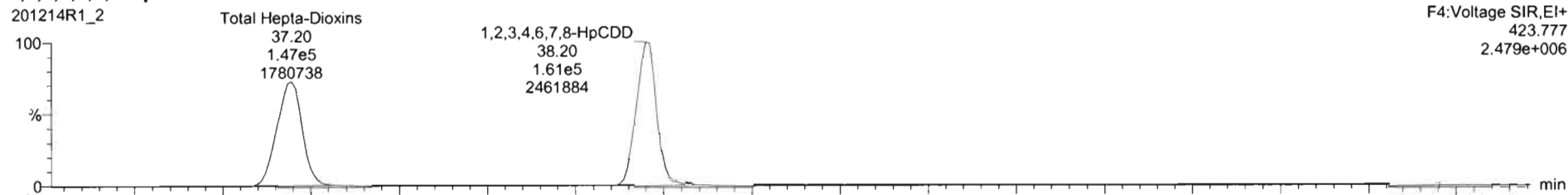
Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time

Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

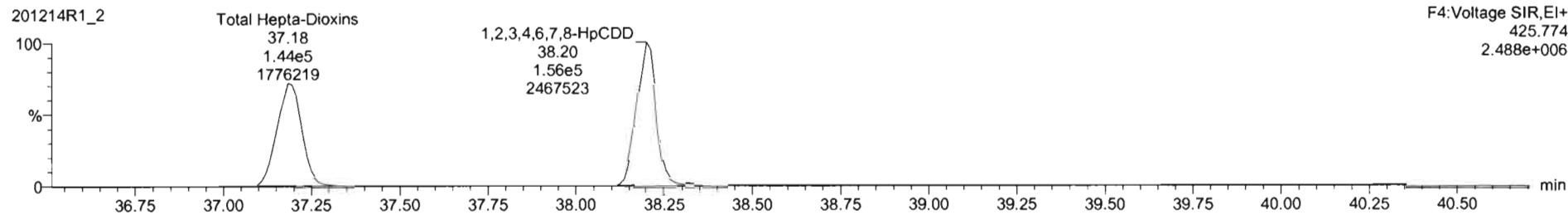
Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201214R1_2

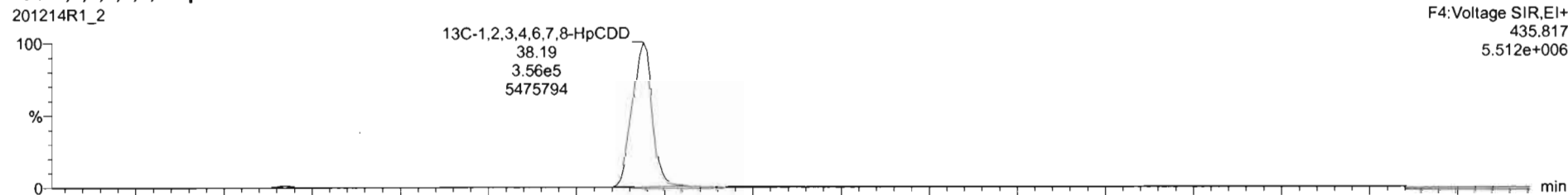


201214R1_2

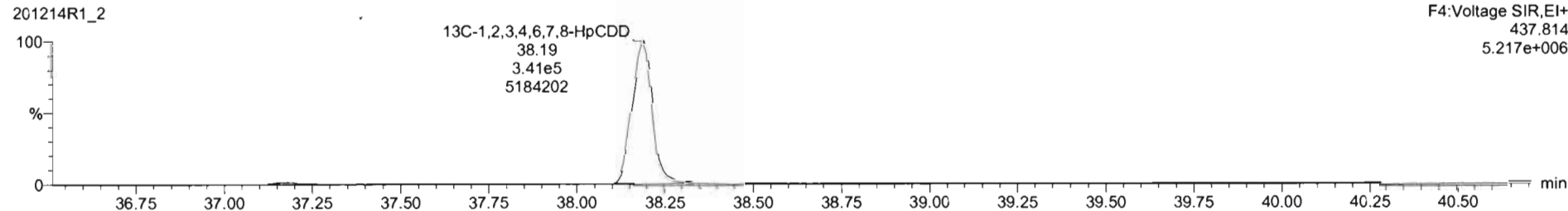


13C-1,2,3,4,6,7,8-HpCDD

201214R1_2



201214R1_2



Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

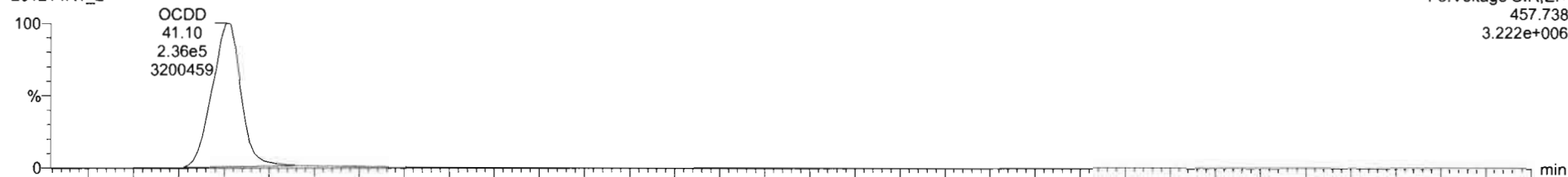
Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time

Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

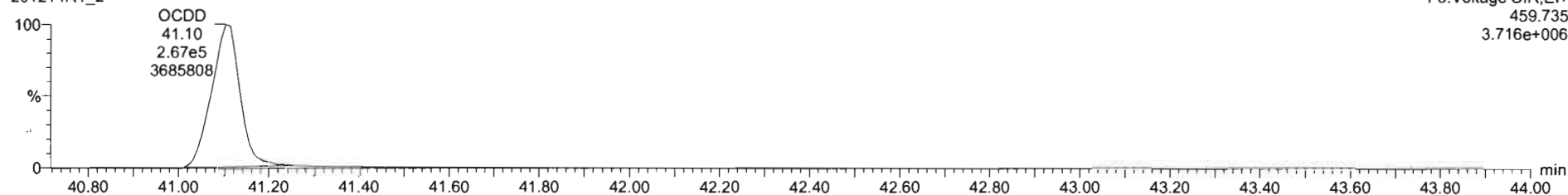
Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

OCDD

201214R1_2

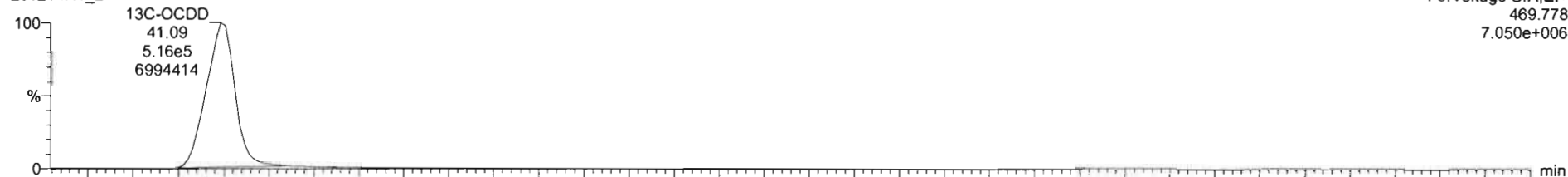


201214R1_2

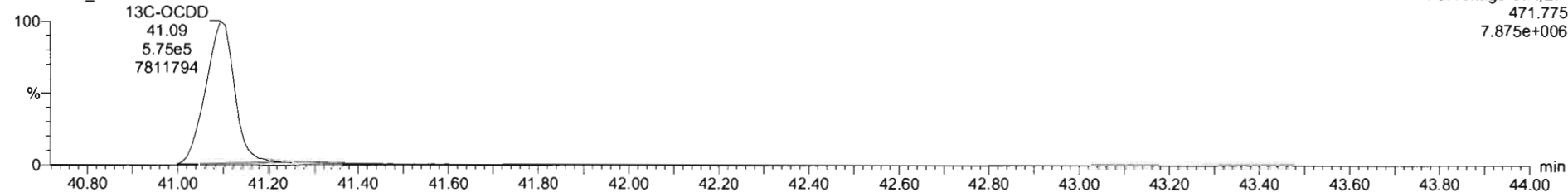


13C-OCDD

201214R1_2



201214R1_2



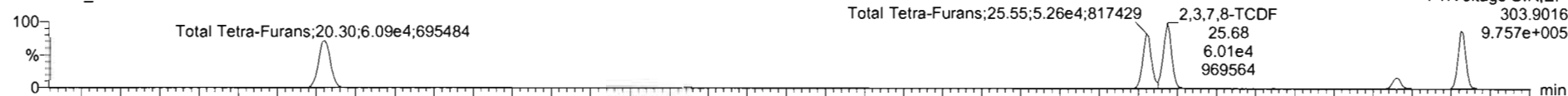
Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time
Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

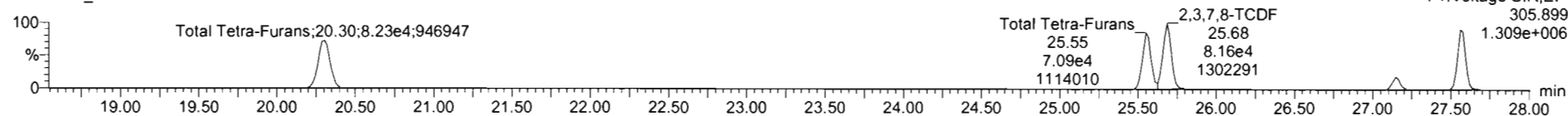
Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

2,3,7,8-TCDF

201214R1_2

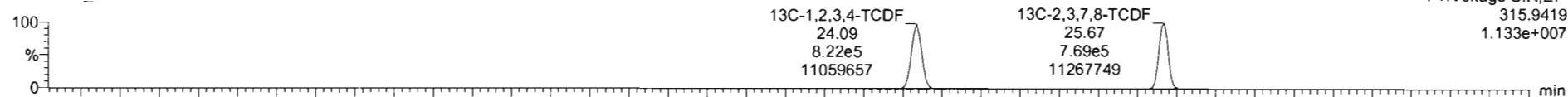


201214R1_2

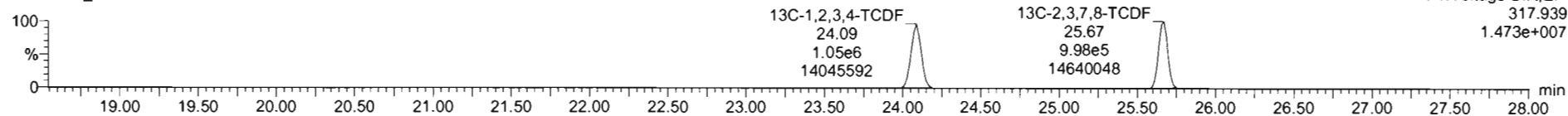


13C-2,3,7,8-TCDF

201214R1_2

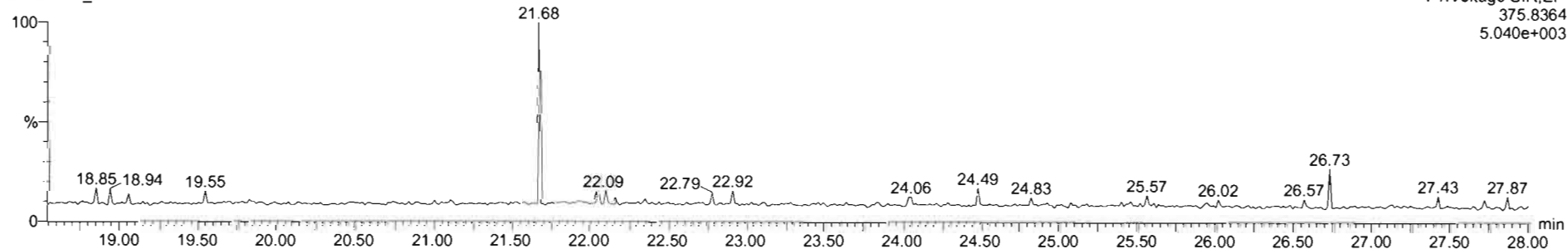


201214R1_2



DPE1

201214R1_2



Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

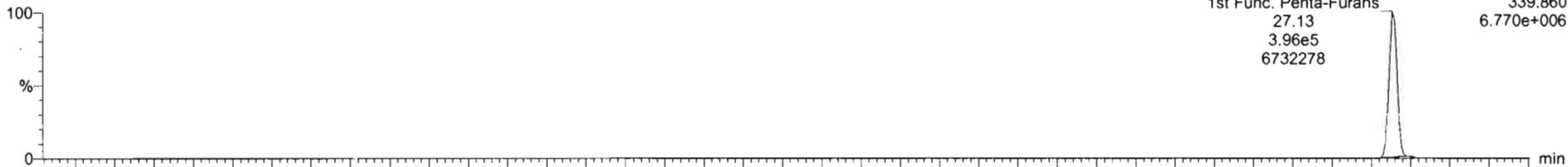
Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time

Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

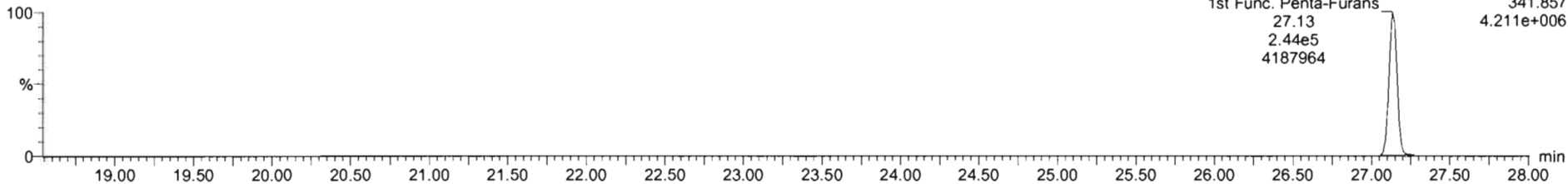
Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1st Func. Penta-Furans

201214R1_2

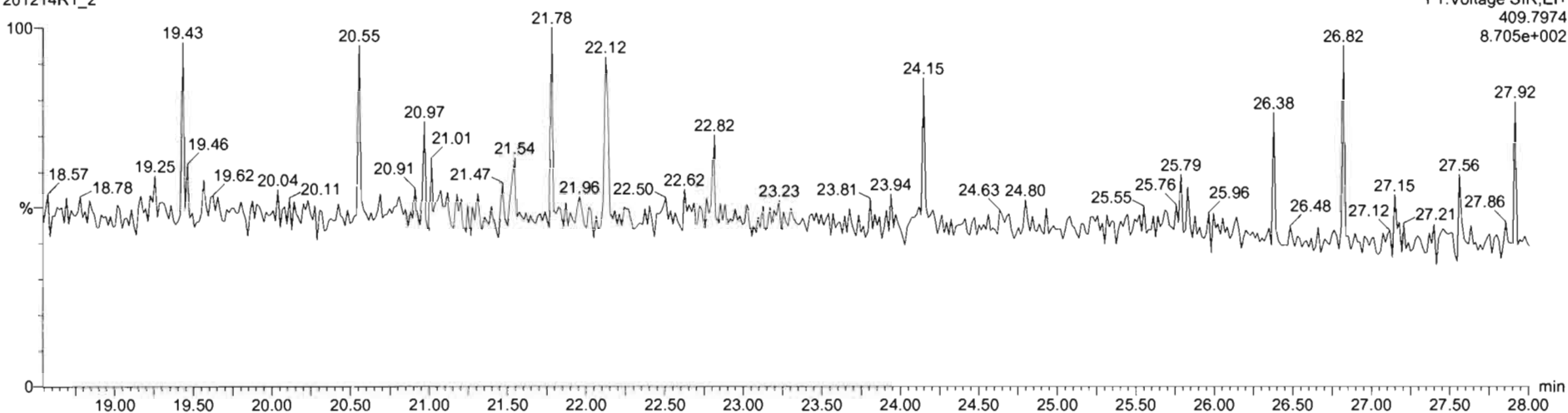


201214R1_2



DPE6

201214R1_2



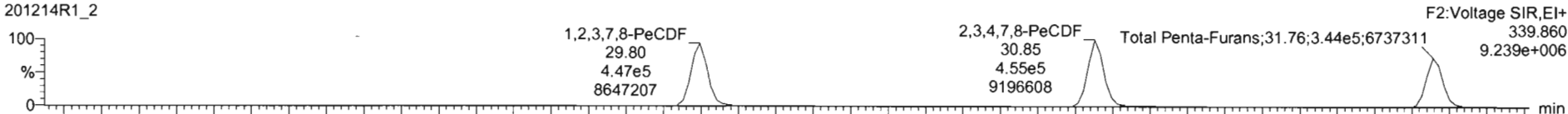
Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time
Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

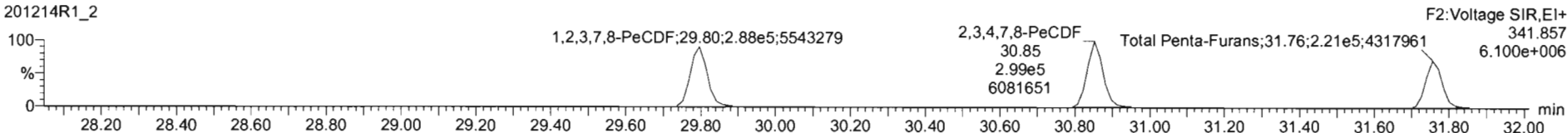
Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1,2,3,7,8-PeCDF

201214R1_2

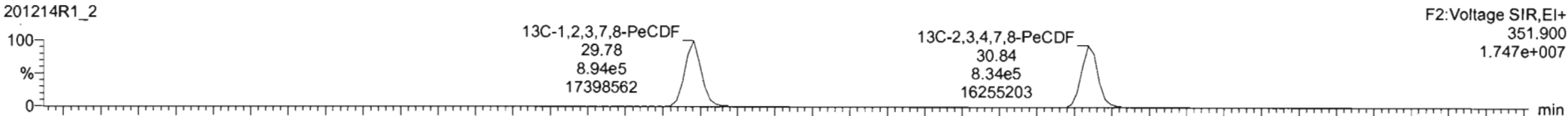


201214R1_2

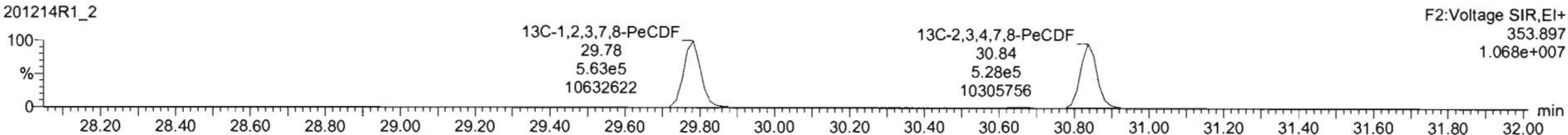


13C-1,2,3,7,8-PeCDF

201214R1_2

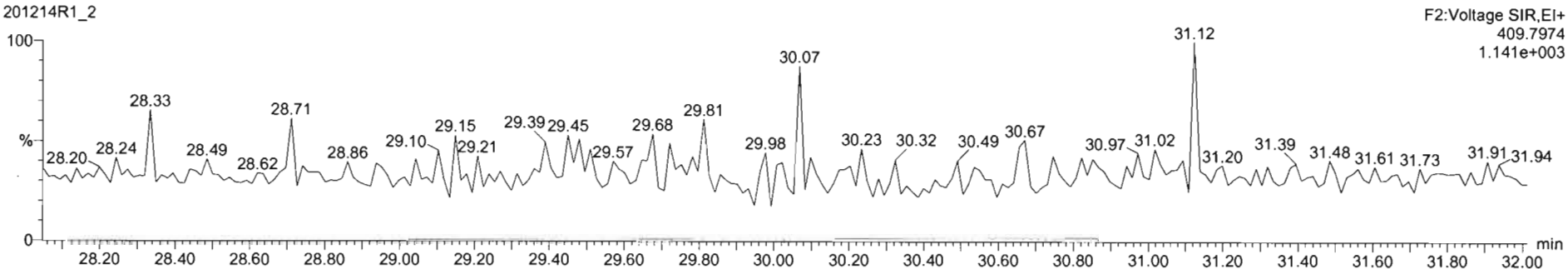


201214R1_2



DPE2

201214R1_2



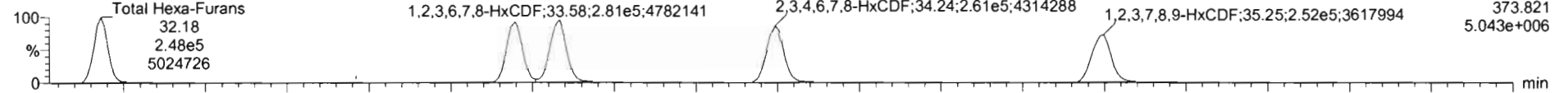
Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time
Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

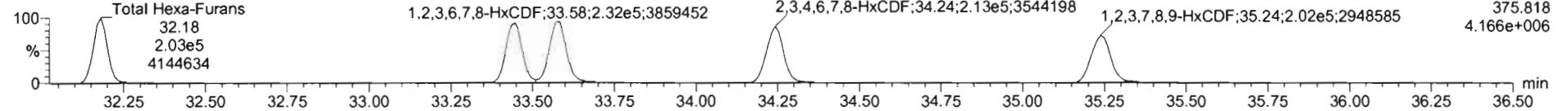
Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201214R1_2

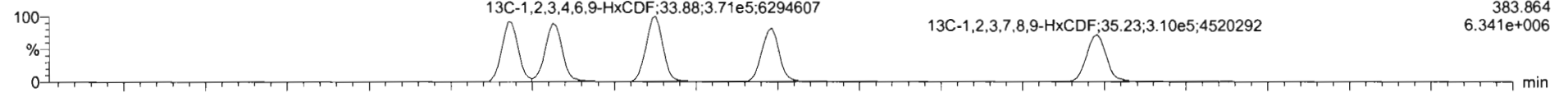


201214R1_2

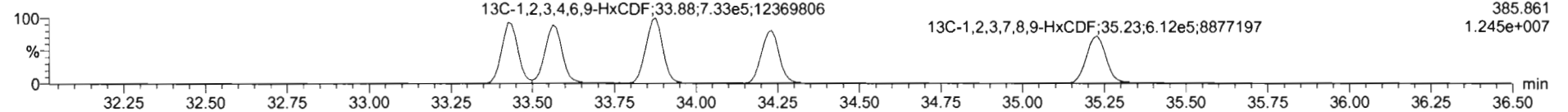


13C-1,2,3,4,7,8-HxCDF

201214R1_2

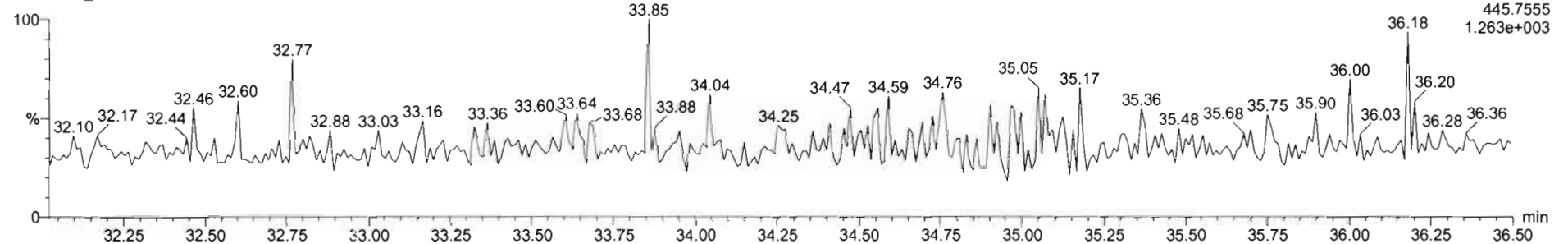


201214R1_2



DPE3

201214R1_2



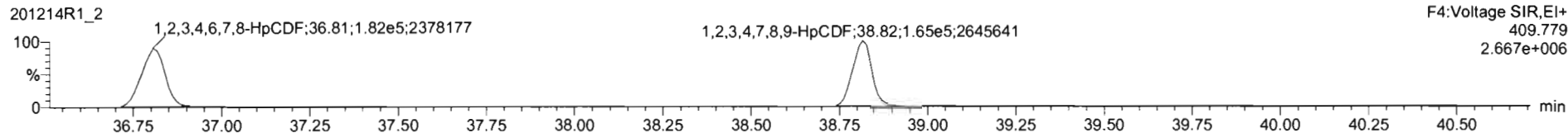
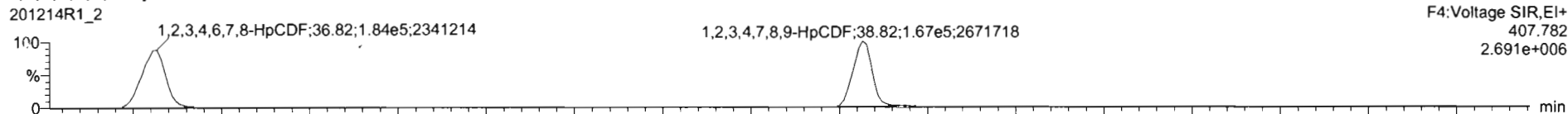
Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time

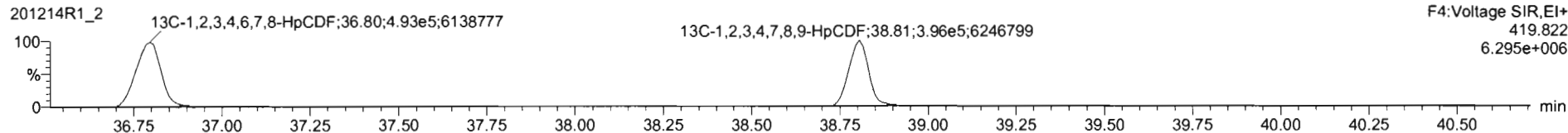
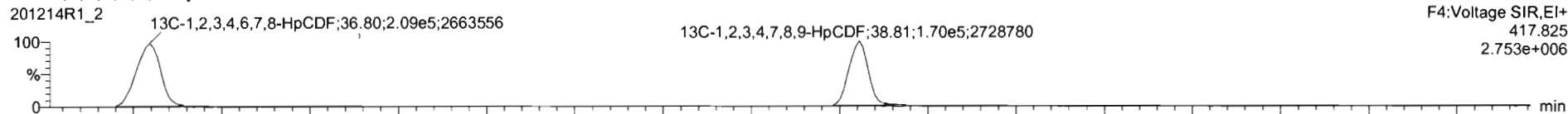
Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

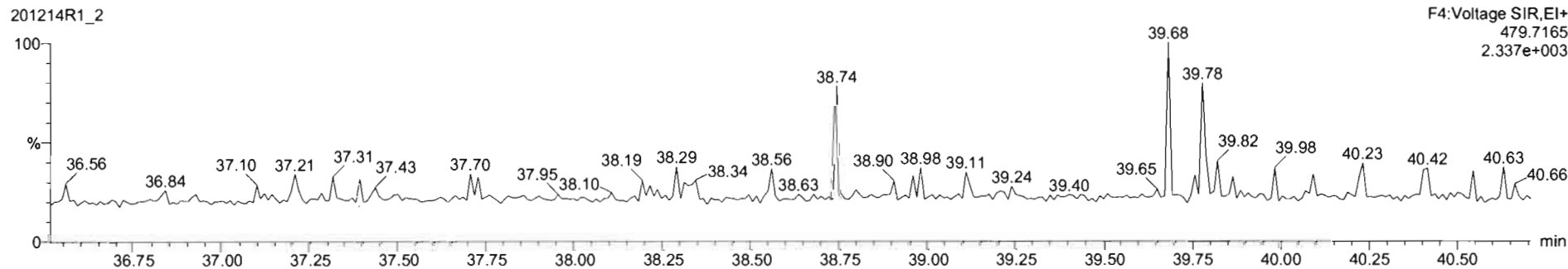
1,2,3,4,6,7,8-HpCDF



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



DPE4



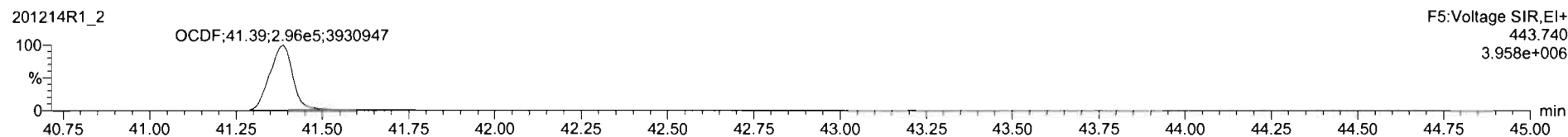
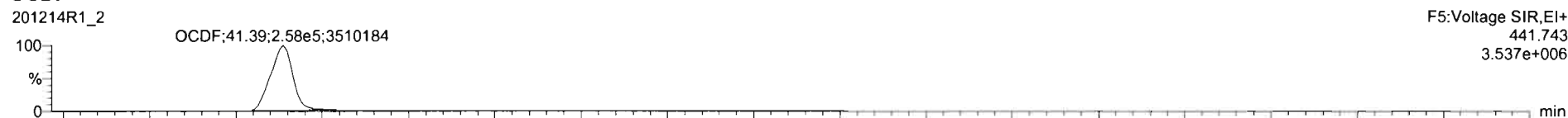
Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time

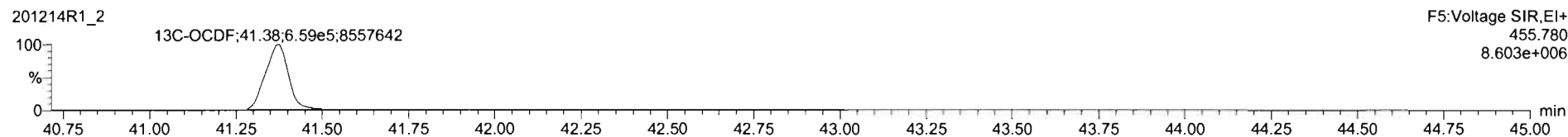
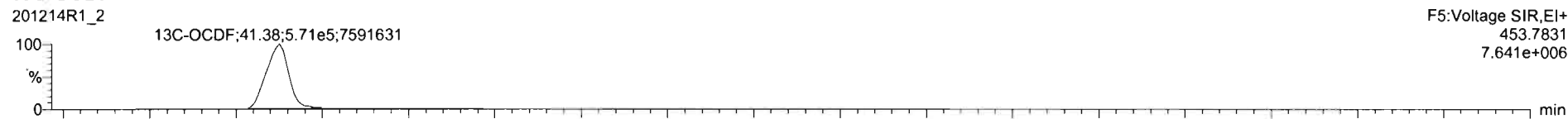
Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

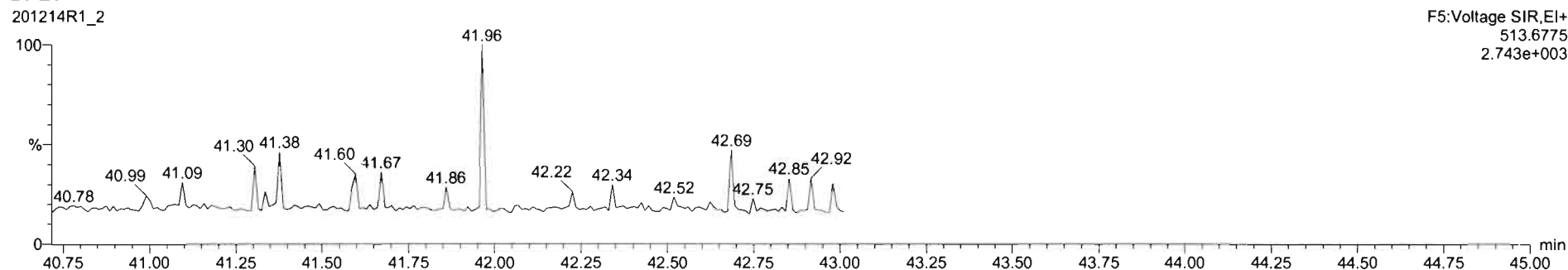
OCDF



13C-OCDF



DPE5

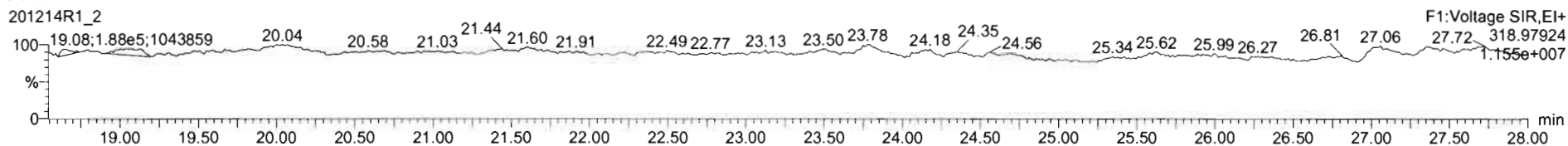


Dataset: U:\VG12.PRO\Results\201214R1\201214R1_2.qld

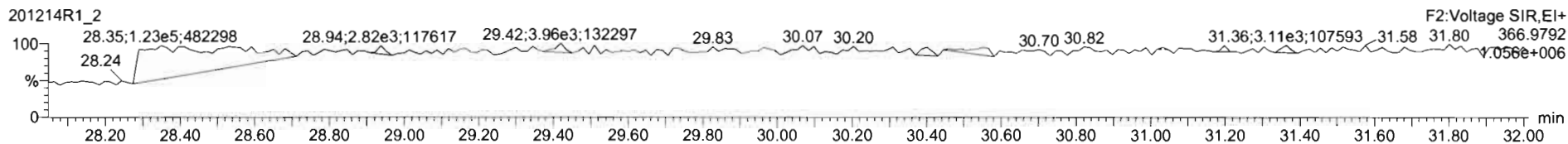
Last Altered: Monday, December 14, 2020 12:09:46 Pacific Standard Time
Printed: Monday, December 14, 2020 12:14:47 Pacific Standard Time

Name: 201214R1_2, Date: 14-Dec-2020, Time: 11:24:15, ID: ST201214R1_2 1613 CS3 20L0301, Description: 1613 CS3 20L0301

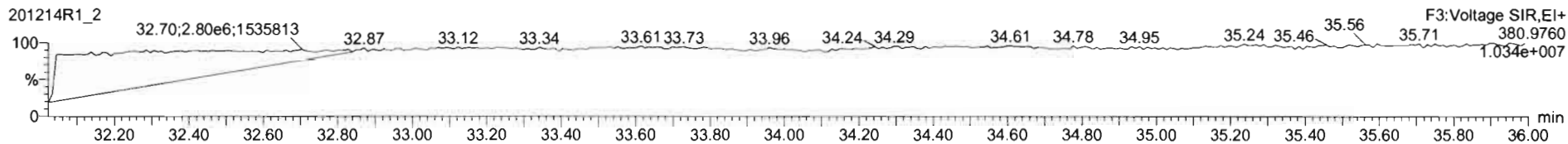
PFK1



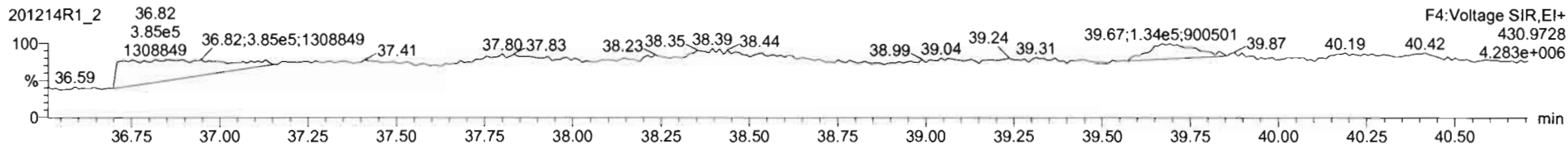
PFK2



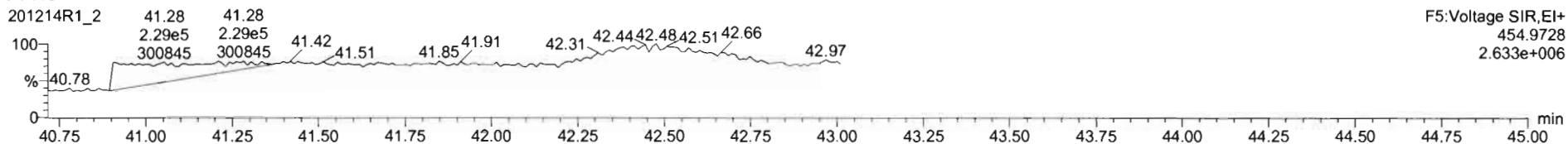
PFK3



PFK4

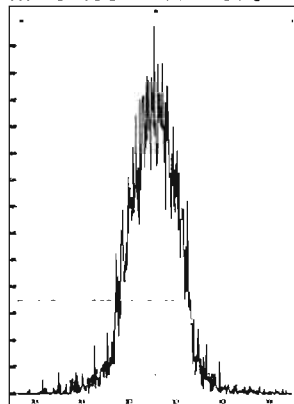


PFK5

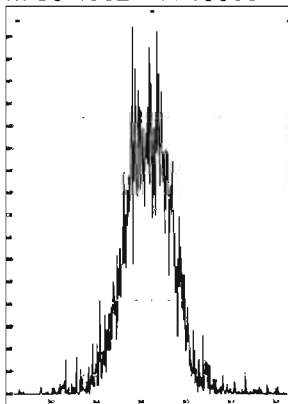


Printed: Tuesday, December 15, 2020 07:00:00 Pacific Standard Time

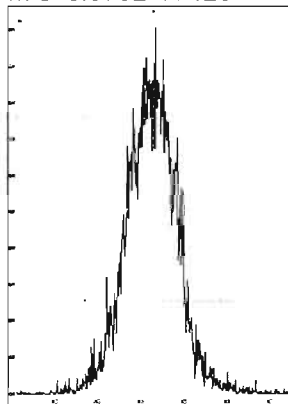
M 292.9824 R 14970



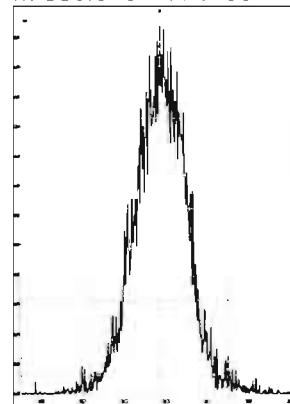
M 304.9824 R 15068



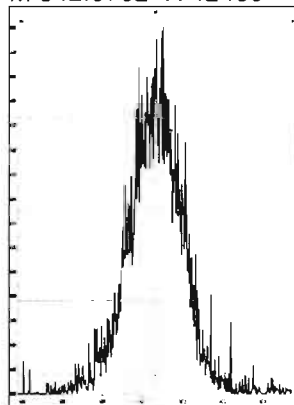
M 318.9792 R 12944



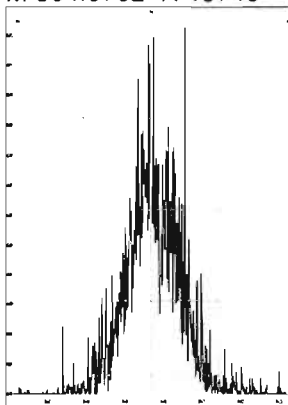
M 330.9792 R 12652



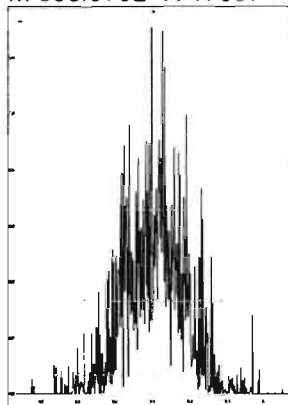
M 342.9792 R 12489



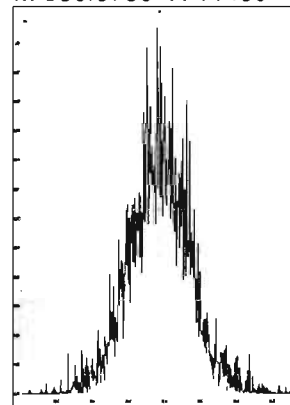
M 354.9792 R 13746



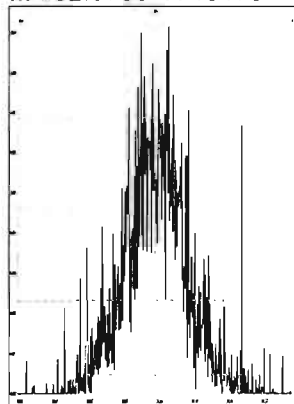
M 366.9792 R 17537



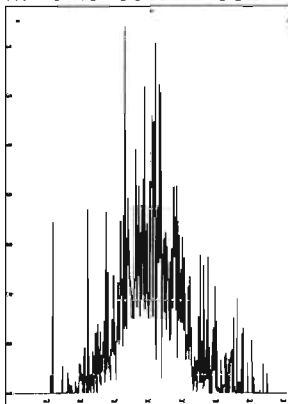
M 380.9760 R 11499



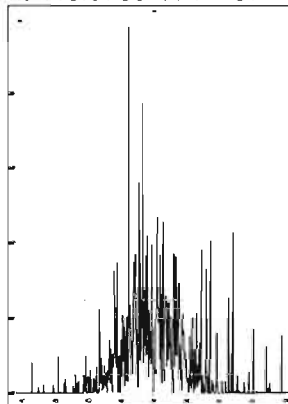
M 392.9760 R 15175



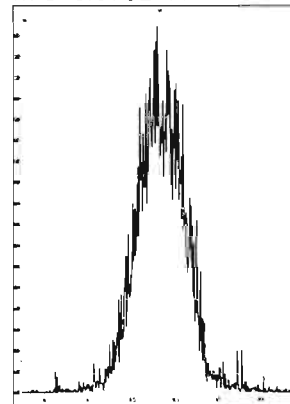
M 404.9760 R 14582



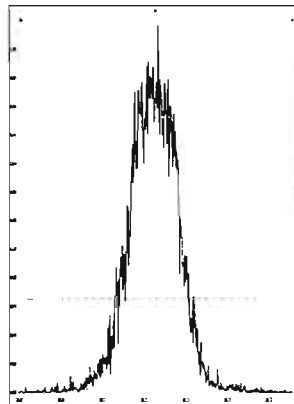
M 416.9760 R 11467



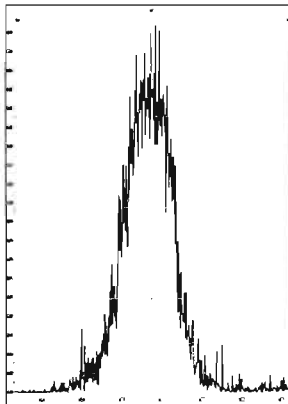
M 318.9792 R 14183



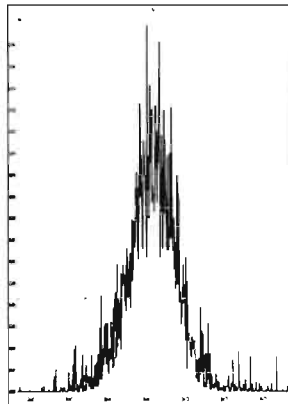
M 330.9792 R 13123



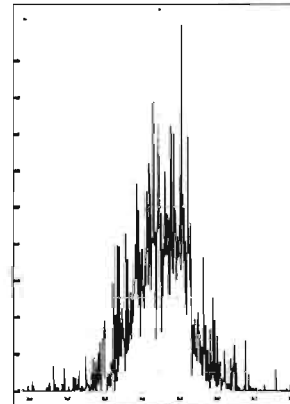
M 342.9792 R 13624



M 354.9792 R 13774

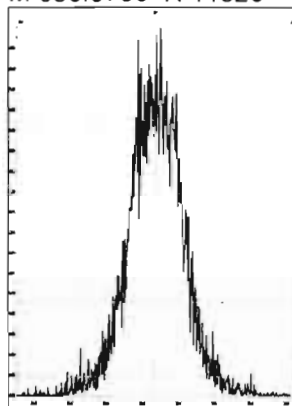


M 366.9792 R 16956

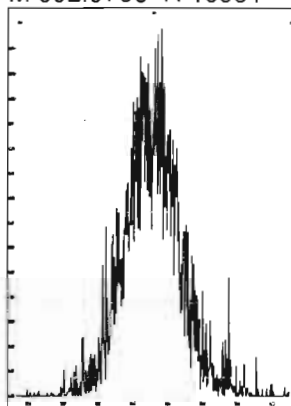


Printed: Tuesday, December 15, 2020 07:00:00 Pacific Standard Time

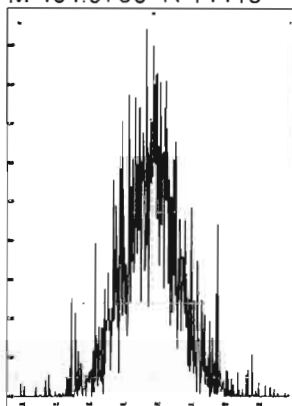
M 380.9760 R 11820



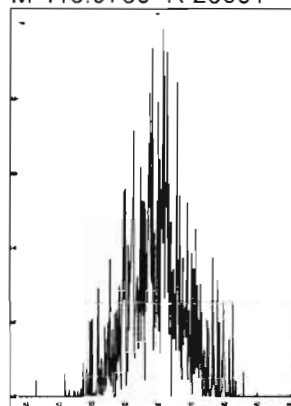
M 392.9760 R 13561



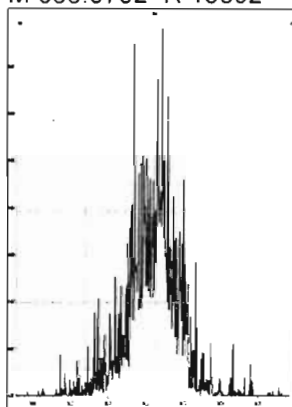
M 404.9760 R 14418



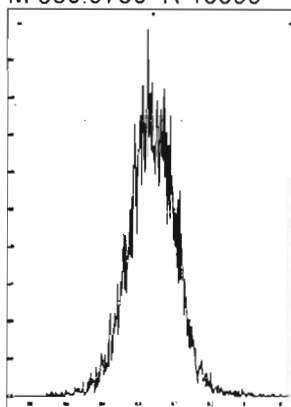
M 416.9760 R 23501



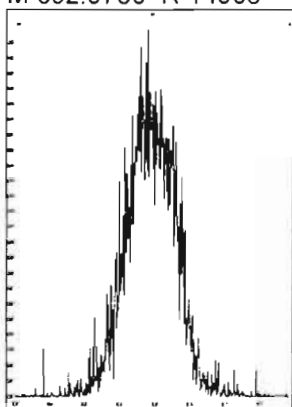
M 366.9792 R 15892



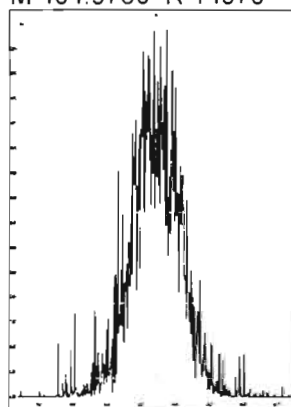
M 380.9760 R 13399



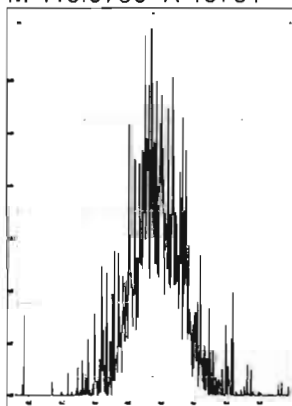
M 392.9760 R 14906



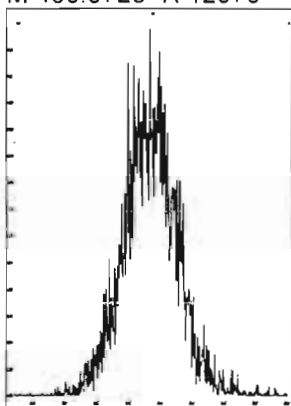
M 404.9760 R 14970



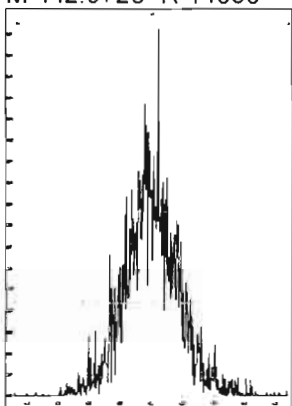
M 416.9760 R 16781



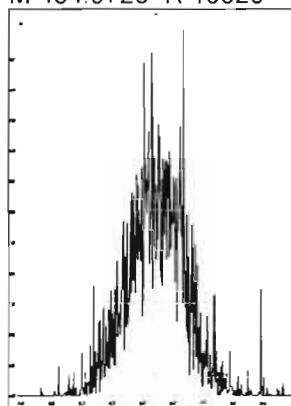
M 430.9728 R 12970



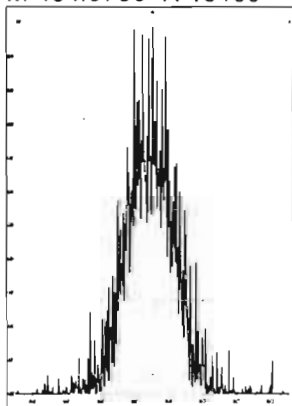
M 442.9728 R 14353



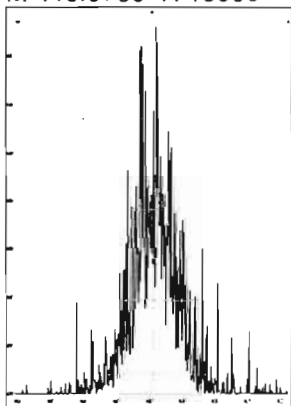
M 454.9728 R 13320



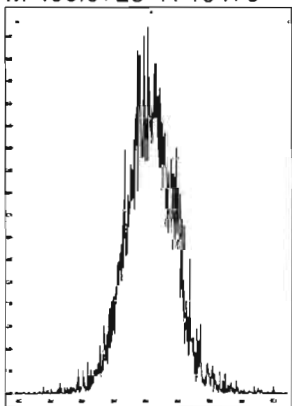
M 404.9760 R 16139



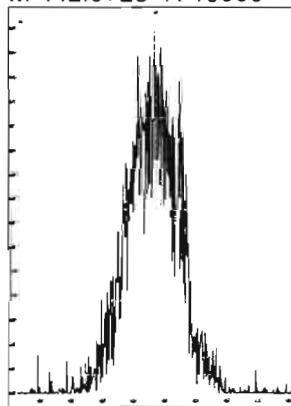
M 416.9760 R 16035



M 430.9728 R 13476

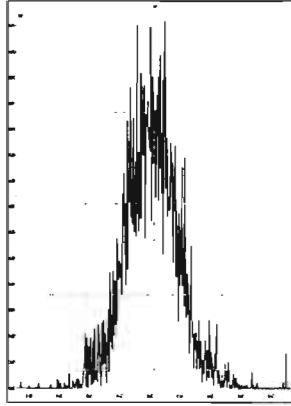


M 442.9728 R 13903

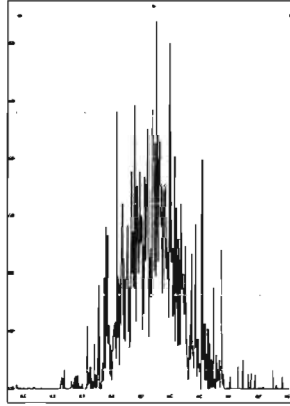


Printed: Tuesday, December 15, 2020 07:00:00 Pacific Standard Time

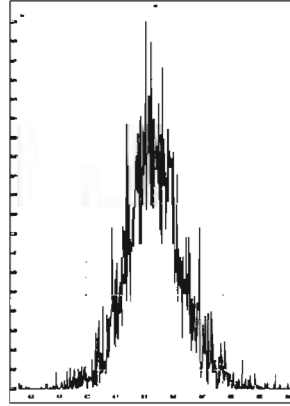
M 454.9728 R 14408



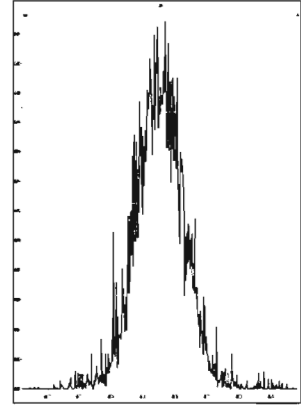
M 466.9728 R 18849



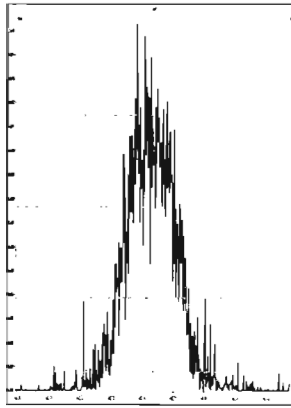
M 480.9696 R 13378



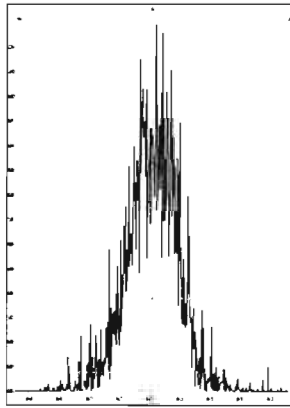
M 430.9728 R 14052



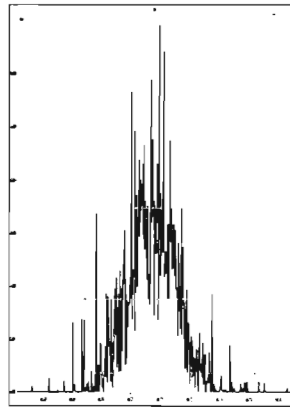
M 442.9728 R 14527



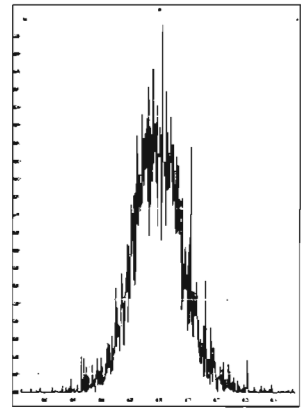
M 454.9728 R 14127



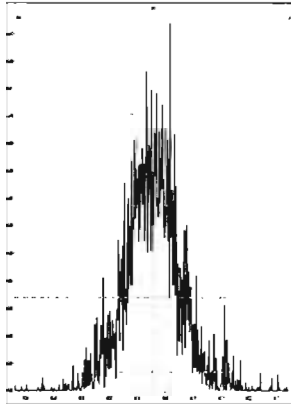
M 466.9728 R 17325



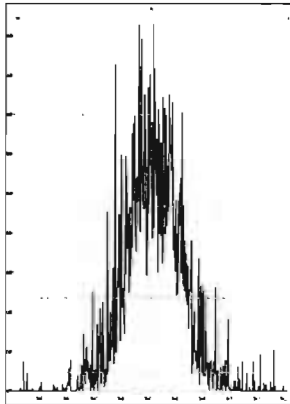
M 480.9696 R 13974



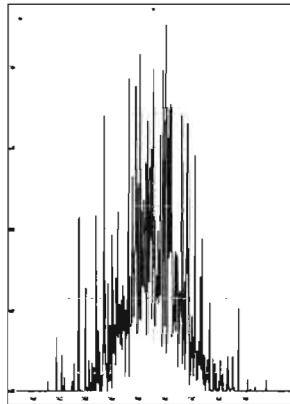
M 492.9696 R 13782



M 504.9696 R 14018



M 516.9697 R 17793



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST20123011-1

Reviewed By: HC 12.31.2020

Initials & Date

End Calibration ID: NA

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

Mass resolution \geq

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

Intergrated peaks display correctly? 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\201230D1\201230D1_1.qld

Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:15 Pacific Standard Time

DB 12/30/20
Hc 12-31-2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 10 Dec 2020 12:07:43
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	4.70e3	0.71	NO	1.00	1.000	26.005	25.99	1.001	1.001	10.291	103 82-123	0.199	10.3
2	2 1,2,3,7,8-PeCDD	1.53e4	0.62	NO	0.935	1.000	30.489	30.47	1.001	1.000	50.763	102 78-130	0.353	50.8
3	3 1,2,3,4,7,8-HxCDD	1.44e4	1.26	NO	1.15	1.000	33.722	33.72	1.000	1.000	52.007	104 78-128	0.574	52.0
4	4 1,2,3,6,7,8-HxCDD	1.47e4	1.31	NO	1.02	1.000	33.833	33.84	1.000	1.000	49.659	99.3 78-128	0.647	49.7
5	5 1,2,3,7,8,9-HxCDD	1.38e4	1.32	NO	1.06	1.000	34.130	34.12	1.001	1.001	48.732	97.5 82-122	0.662	48.7
6	6 1,2,3,4,6,7,8-HpCDD	1.12e4	1.08	NO	1.00	1.000	37.553	37.54	1.000	1.000	50.278	101 86-116	0.745	50.3
7	7 OCDD	1.72e4	0.87	NO	0.952	1.000	40.702	40.70	1.000	1.000	104.54	105 79-176	1.00	105
8	8 2,3,7,8-TCDF	6.78e3	0.72	NO	1.01	1.000	25.342	25.35	1.001	1.001	9.5262	95.3 86-116	0.203	9.53
9	9 1,2,3,7,8-PeCDF	2.60e4	1.58	NO	0.998	1.000	29.280	29.28	1.001	1.001	52.084	104 82-120	0.365	52.1
10	10 2,3,4,7,8-PeCDF	2.87e4	1.62	NO	1.07	1.000	30.317	30.29	1.001	1.000	54.663	109 82-120	0.321	54.7
11	11 1,2,3,4,7,8-HxCDF	2.18e4	1.27	NO	1.05	1.000	32.812	32.82	1.000	1.000	51.022	102 90-112	0.435	51.0
12	12 1,2,3,6,7,8-HxCDF	2.34e4	1.25	NO	1.10	1.000	32.943	32.96	1.000	1.001	51.141	102 88-114	0.463	51.1
13	13 2,3,4,6,7,8-HxCDF	2.18e4	1.22	NO	1.09	1.000	33.636	33.61	1.001	1.000	51.786	104 88-114	0.542	51.8
14	14 1,2,3,7,8,9-HxCDF	1.64e4	1.24	NO	1.08	1.000	34.612	34.62	1.000	1.000	51.975	104 90-112	0.762	52.0
15	15 1,2,3,4,6,7,8-HpCDF	1.73e4	1.06	NO	1.13	1.000	36.217	36.19	1.001	1.000	50.495	101 90-110	0.629	50.5
16	16 1,2,3,4,7,8,9-HpCDF	1.33e4	0.99	NO	1.29	1.000	38.189	38.20	1.000	1.000	49.898	99.8 86-116	0.646	49.9
17	17 OCDF	2.33e4	0.90	NO	0.953	1.000	41.009	41.03	1.000	1.001	108.80	109 63-159	0.631	109
18	18 13C-2,3,7,8-TCDD	4.55e4	0.77	NO	1.17	1.000	25.912	25.97	1.026	1.028	96.158	96.2 82-121	0.762	
19	19 13C-1,2,3,7,8-PeCDD	3.22e4	0.57	NO	0.914	1.000	30.455	30.47	1.206	1.206	87.219	87.2 62-160	0.470	
20	20 13C-1,2,3,4,7,8-HxCDD	2.41e4	1.31	NO	0.634	1.000	33.706	33.71	1.014	1.014	89.781	89.8 85-117	0.878	
21	21 13C-1,2,3,6,7,8-HxCDD	2.90e4	1.27	NO	0.724	1.000	33.815	33.83	1.017	1.018	94.521	94.5 85-118	0.768	
22	22 13C-1,2,3,7,8,9-HxCDD	2.67e4	1.21	NO	0.716	1.000	34.085	34.10	1.025	1.026	88.254	88.3 85-118	0.777	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.22e4	1.03	NO	0.660	1.000	37.528	37.54	1.129	1.129	79.440	79.4 72-138	1.00	
24	24 13C-OCDD	3.45e4	0.92	NO	0.587	1.000	40.533	40.70	1.219	1.224	139.15	69.6 48-207	0.591	
25	25 13C-2,3,7,8-TCDF	7.02e4	0.78	NO	1.02	1.000	25.313	25.32	1.002	1.002	104.05	104 71-140	0.740	
26	26 13C-1,2,3,7,8-PeCDF	4.99e4	1.67	NO	0.842	1.000	29.188	29.26	1.156	1.159	89.853	89.9 76-130	1.03	
27	27 13C-2,3,4,7,8-PeCDF	4.89e4	1.55	NO	0.802	1.000	30.079	30.29	1.191	1.199	92.483	92.5 77-130	1.08	
28	28 13C-1,2,3,4,7,8-HxCDF	4.06e4	0.51	NO	1.00	1.000	32.841	32.81	0.988	0.987	95.692	95.7 76-131	0.932	
29	29 13C-1,2,3,6,7,8-HxCDF	4.16e4	0.53	NO	1.02	1.000	32.974	32.93	0.992	0.991	96.507	96.5 70-143	0.917	
30	30 13C-2,3,4,6,7,8-HxCDF	3.88e4	0.50	NO	0.955	1.000	33.543	33.60	1.009	1.011	95.925	95.9 73-137	0.978	
31	31 13C-1,2,3,7,8,9-HxCDF	2.91e4	0.50	NO	0.851	1.000	34.616	34.61	1.041	1.041	80.869	80.9 74-135	1.10	

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time

Printed: Wednesday, December 30, 2020 11:58:15 Pacific Standard Time

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

#	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	3.03e4	0.44	NO	0.848	1.000	36.132	36.18	1.087	1.088	84.334	84.3 75-129	1.11	
33	13C-1,2,3,4,7,8,9-HpCDF	2.08e4	0.44	NO	0.624	1.000	38.127	38.19	1.147	1.149	78.531	78.5 77-129	1.51	
34	13C-OCDF	4.50e4	0.87	NO	0.730	1.000	40.686	41.01	1.224	1.234	145.81	72.9 48-207	0.696	
35	37Cl-2,3,7,8-TCDD	5.71e3			1.21	1.000	25.909	25.99	1.026	1.029	11.720	117 79-127	0.143	
36	13C-1,2,3,4-TCDD	4.04e4	0.79	NO	1.00	1.000	25.300	25.26	1.000	1.000	100.00	100	0.893	
37	13C-1,2,3,4-TCDF	6.60e4	0.76	NO	1.00	1.000	23.880	23.82	1.000	1.000	100.00	100	0.757	
38	13C-1,2,3,4,6,9-HxCDF	4.23e4	0.50	NO	1.00	1.000	33.310	33.24	1.000	1.000	100.00	100	0.934	

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Thursday, December 31, 2020 09:13:48 Pacific Standard Time

Printed: Thursday, December 31, 2020 09:14:03 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

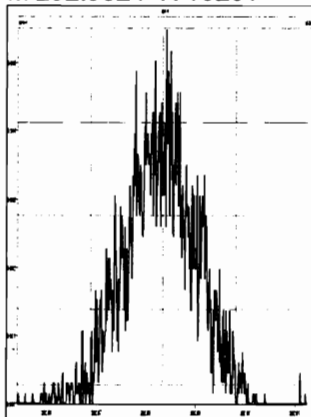
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	201230D1_1	ST201230D1-1 1613 CS3 20L0706	30-Dec-20	11:12:23
2	201230D1_2	B0L0154-BS1 OPR 10	30-Dec-20	11:57:31
3	201230D1_3	B0L0162-BS1 OPR 5	30-Dec-20	12:43:41
4	201230D1_4	SOLVENT BLANK	30-Dec-20	13:29:50
5	201230D1_5	B0L0154-BLK1 Method Blank 10	30-Dec-20	14:16:03
6	201230D1_6	B0L0162-BLK1 Method Blank 5	30-Dec-20	15:02:13
7	201230D1_7	2002647-01 Cod Liver Oil 5.06	30-Dec-20	15:48:22
8	201230D1_8	2002647-02 Cod Liver Oil Lemon Flavor (Fortif...	30-Dec-20	16:34:32
9	201230D1_9	2002647-03 Liquid Baby DHA (Fortified D3) 5.06	30-Dec-20	17:20:41
10	201230D1_10	2002434-10RE1 USMPDI-056SC-A-01-02-201...	30-Dec-20	18:06:53
11	201230D1_11	2002714-01 WC-C033-7-9 8.7	30-Dec-20	18:52:57
12	201230D1_12	2002714-02 WC-C034-5-7 9.21	30-Dec-20	19:39:06
13	201230D1_13	2002714-03 WC-S040-5-7 7.11	30-Dec-20	20:25:14

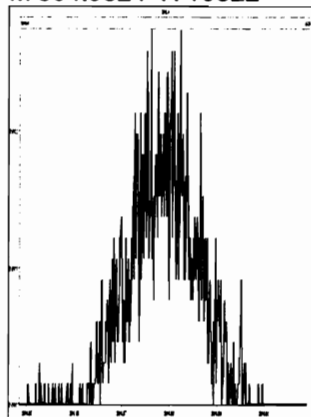
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, December 30, 2020 11:01:55 Pacific Standard Time

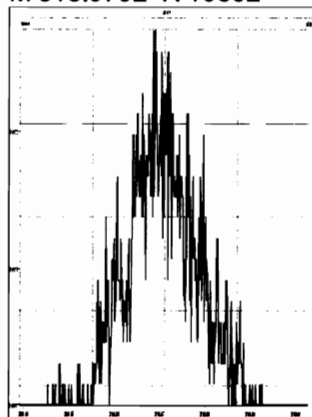
M 292.9824 R 10201



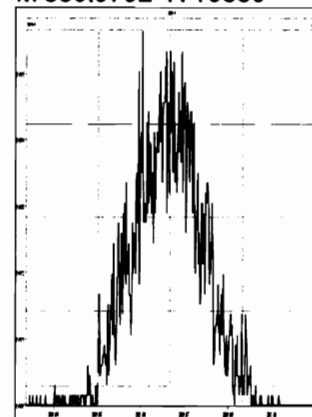
M 304.9824 R 10822



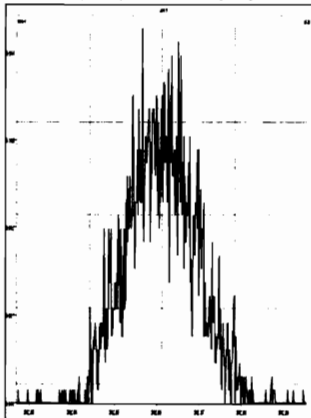
M 318.9792 R 10502



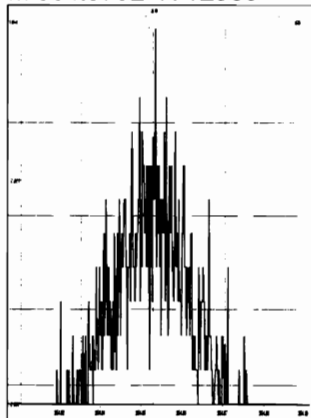
M 330.9792 R 10550



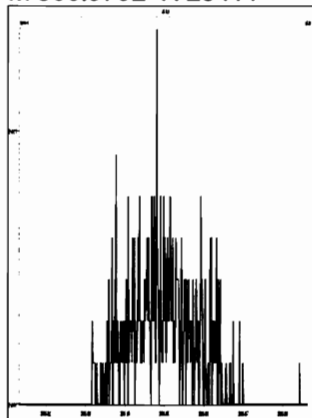
M 342.9792 R 11013



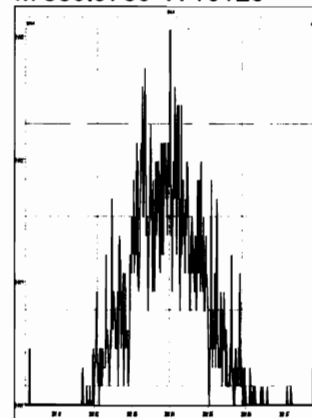
M 354.9792 R 12950



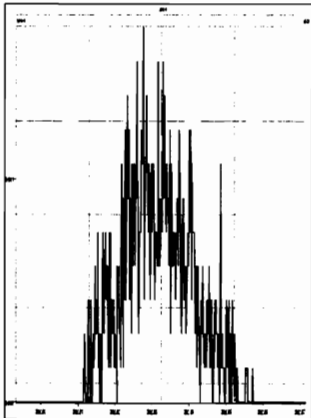
M 366.9792 R 28411



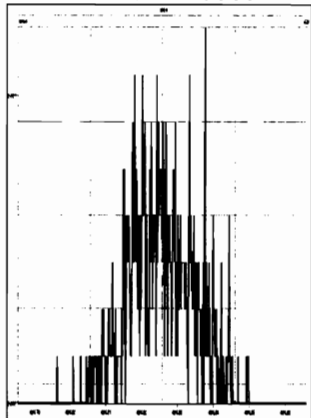
M 380.9760 R 10120



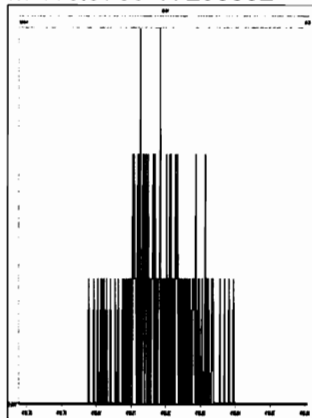
M 392.9760 R 13584



M 404.9760 R 13889



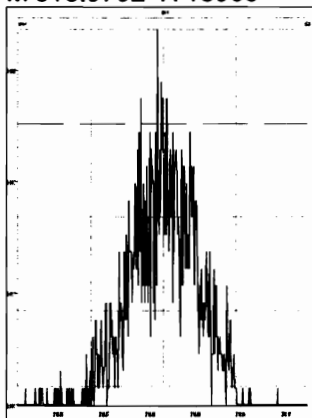
M 416.9760 R 208382



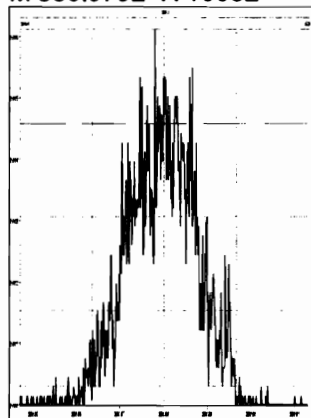
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, December 30, 2020 11:02:30 Pacific Standard Time

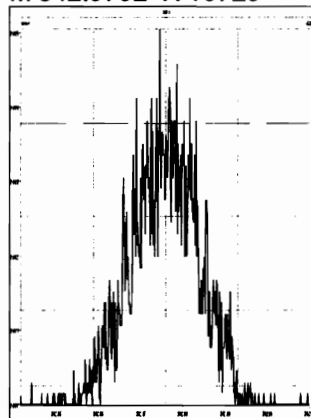
M 318.9792 R 13965



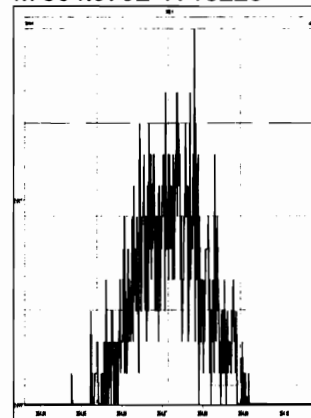
M 330.9792 R 10082



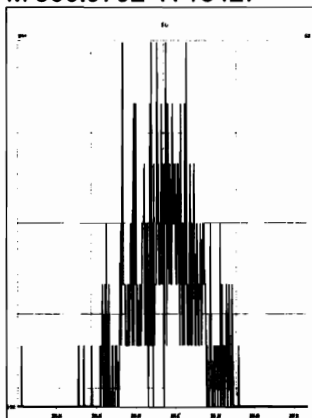
M 342.9792 R 10729



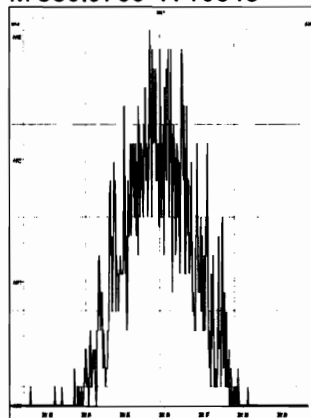
M 354.9792 R 13225



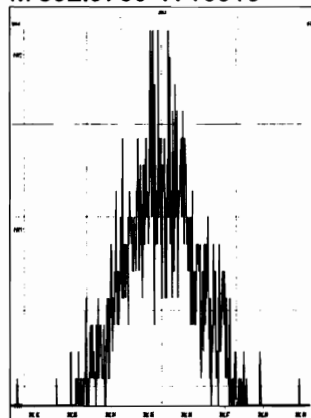
M 366.9792 R 15427



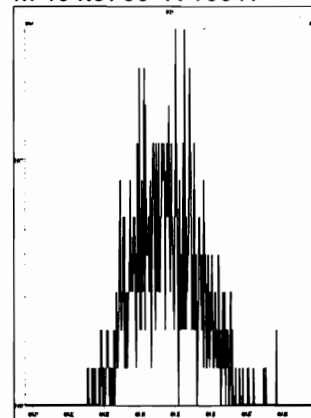
M 380.9760 R 10548



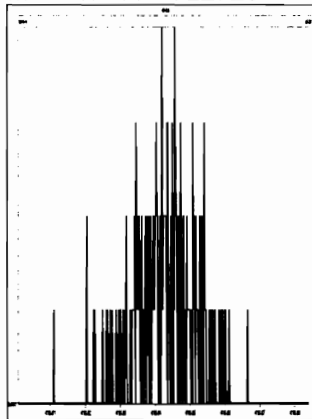
M 392.9760 R 10919



M 404.9760 R 10917



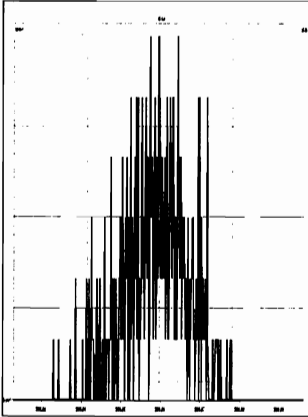
M 416.9760 R 22725



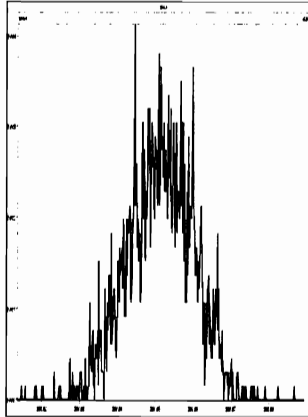
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, December 30, 2020 11:03:05 Pacific Standard Time

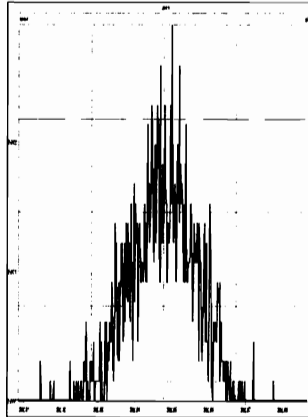
M 366.9792 R 20002



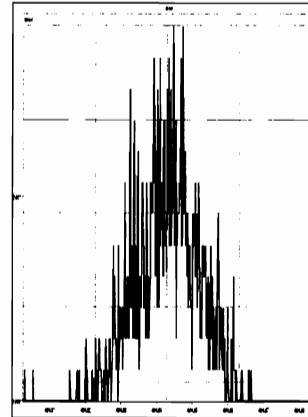
M 380.9760 R 12019



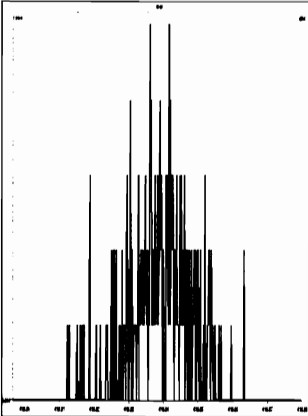
M 392.9760 R 13438



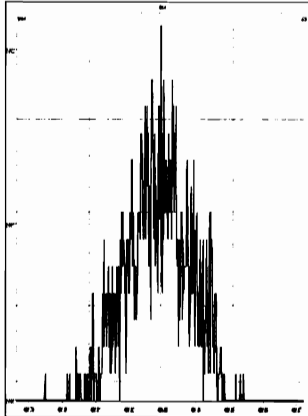
M 404.9760 R 11574



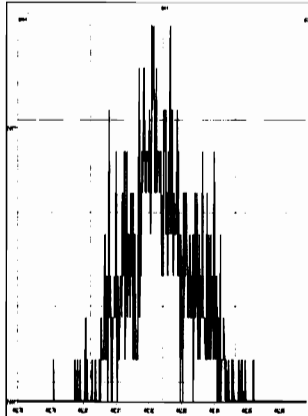
M 416.9760 R 23582



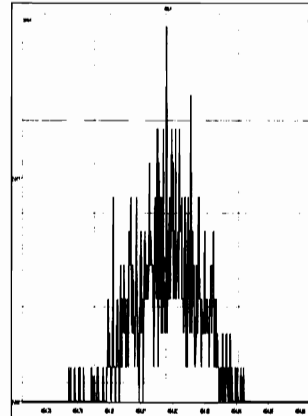
M 430.9728 R 12256



M 442.9728 R 13369



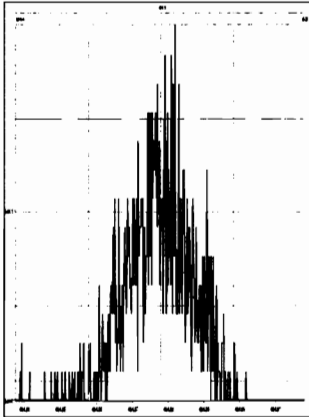
M 454.9728 R 13590



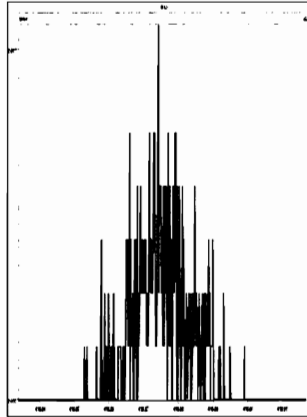
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, December 30, 2020 11:03:39 Pacific Standard Time

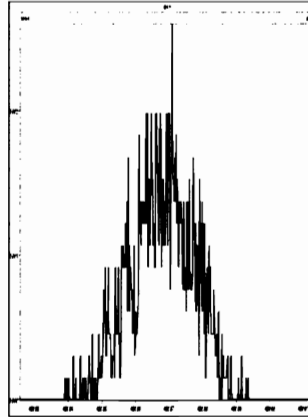
M 404.9760 R 11059



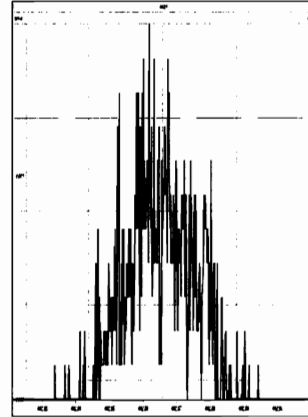
M 416.9760 R 23585



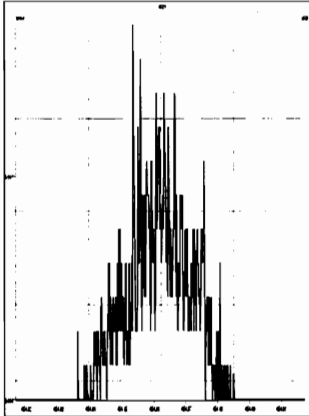
M 430.9728 R 11110



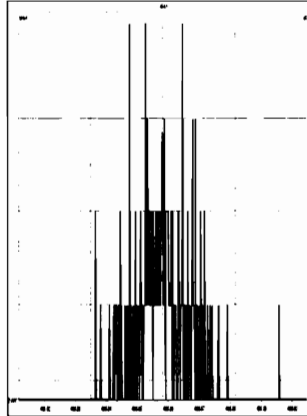
M 442.9728 R 11683



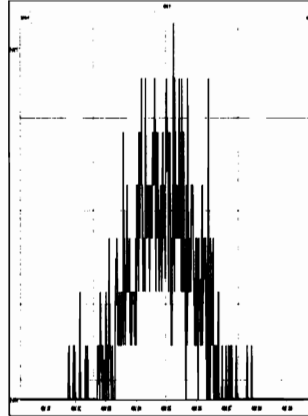
M 454.9728 R 11904



M 466.9728 R 45448



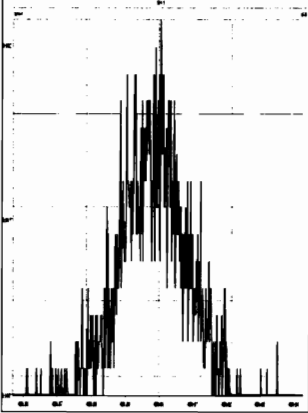
M 480.9696 R 14121



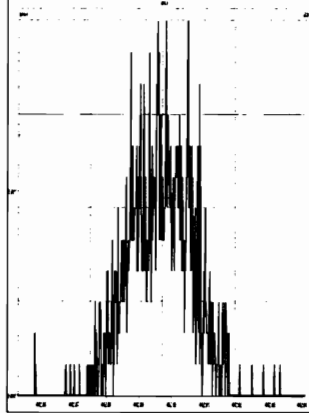
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, December 30, 2020 11:04:19 Pacific Standard Time

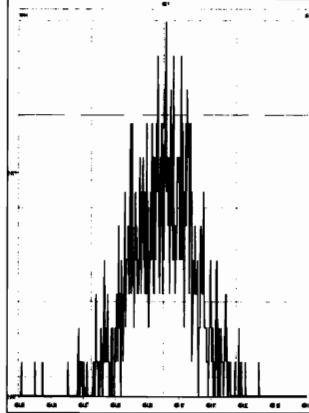
M 430.9728 R 11961



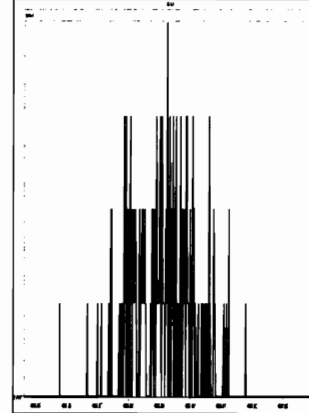
M 442.9728 R 13663



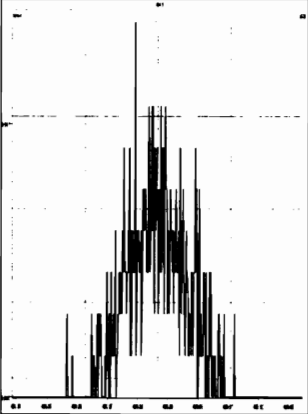
M 454.9728 R 12377



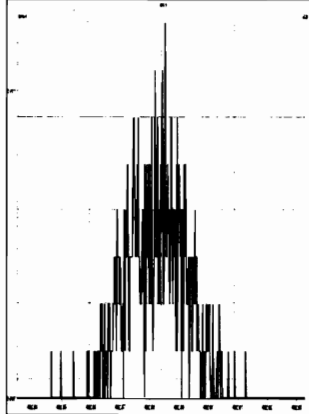
M 466.9728 R 23583



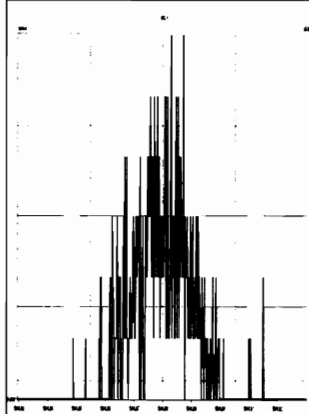
M 480.9696 R 13964



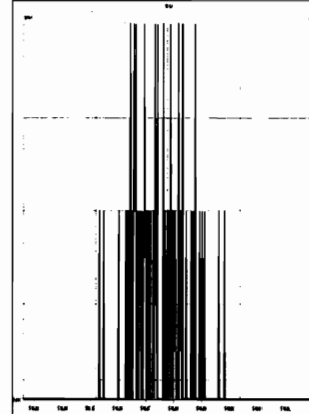
M 492.9696 R 16129



M 504.9696 R 13887



M 516.9697 R 131555



Dataset: Untitled

Last Altered: Thursday, December 31, 2020 09:44:44 Pacific Standard Time

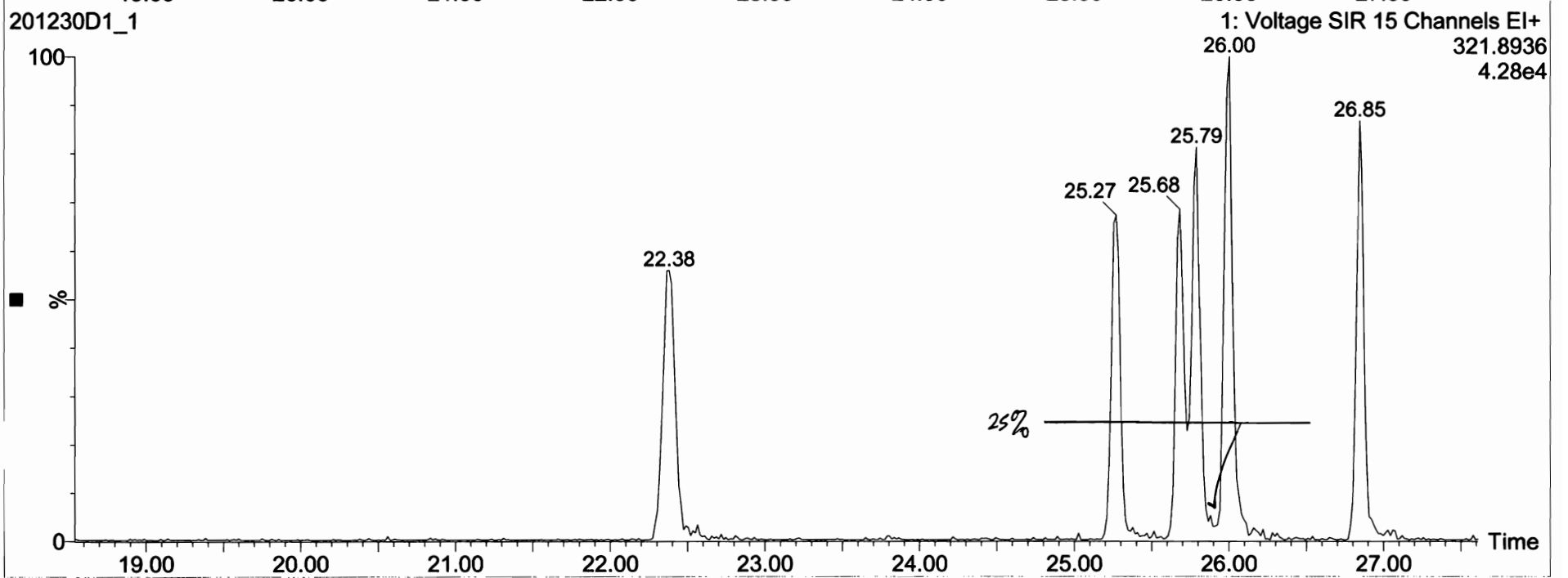
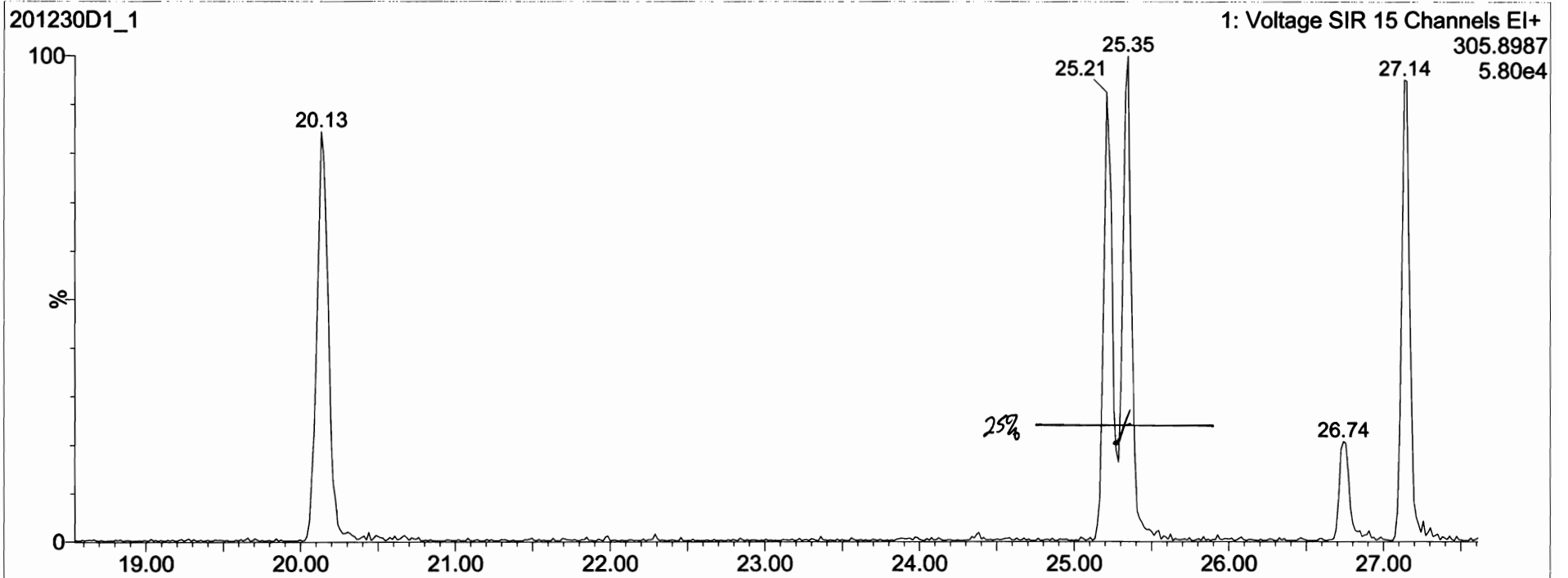
Printed: Thursday, December 31, 2020 09:45:01 Pacific Standard Time

Method: Untitled 10 Dec 2020 12:26:49

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.37
2	2 1,2,8,9-TCDD (Last)	26.85
3	3 1,2,4,7,9-PeCDD (First)	28.31
4	4 1,2,3,8,9-PeCDD (Last)	30.83
5	5 1,2,4,6,7,9-HxCDD (First)	32.09
6	6 1,2,3,7,8,9-HxCDD (Last)	34.12
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.59
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.54
9	9 1,3,6,8-TCDF (First)	20.15
10	10 1,2,8,9-TCDF (Last)	27.15
11	11 1,3,4,6,8-PeCDF (First)	26.72
12	12 1,2,3,8,9-PeCDF (Last)	31.17
13	13 1,2,3,4,6,8-HxCDF (First)	31.56
14	14 1,2,3,7,8,9-HxCDF (Last)	34.62
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.19
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.20



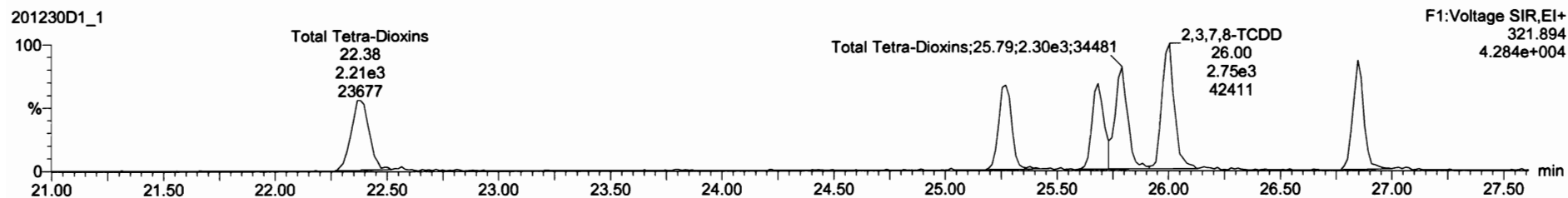
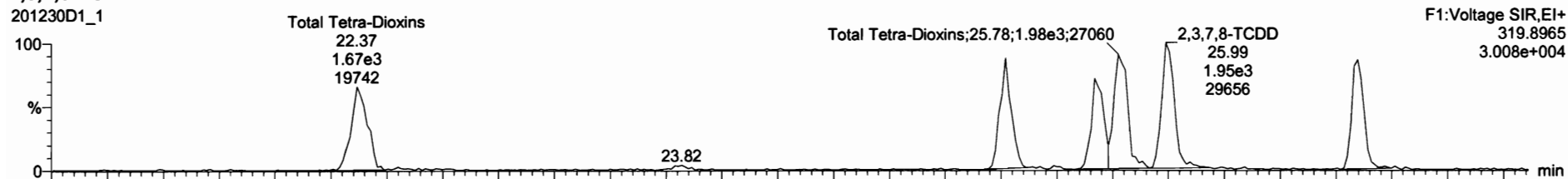
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

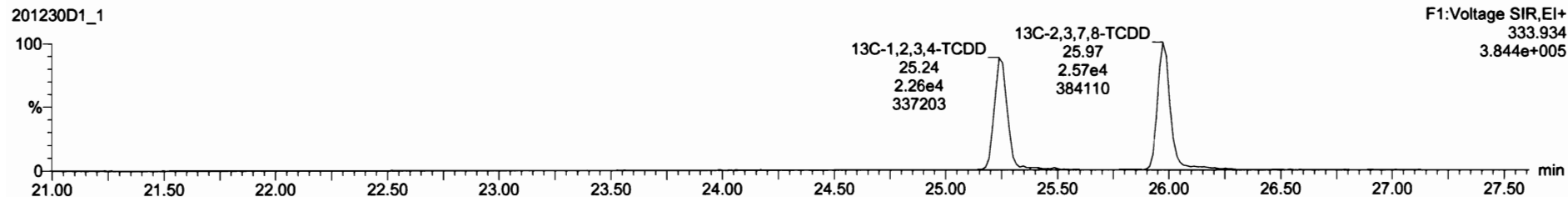
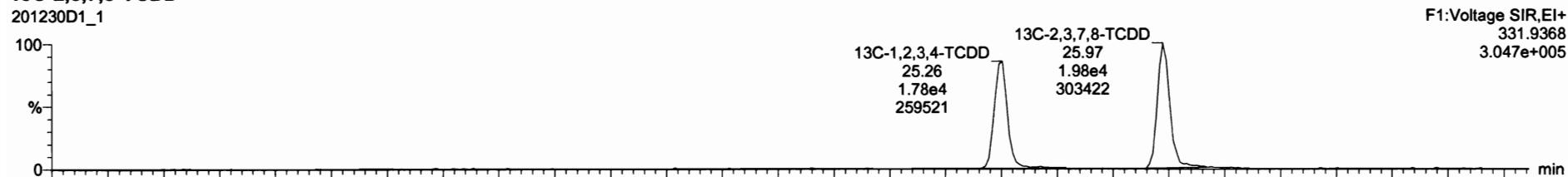
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 10 Dec 2020 12:07:43
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

2,3,7,8-TCDD



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



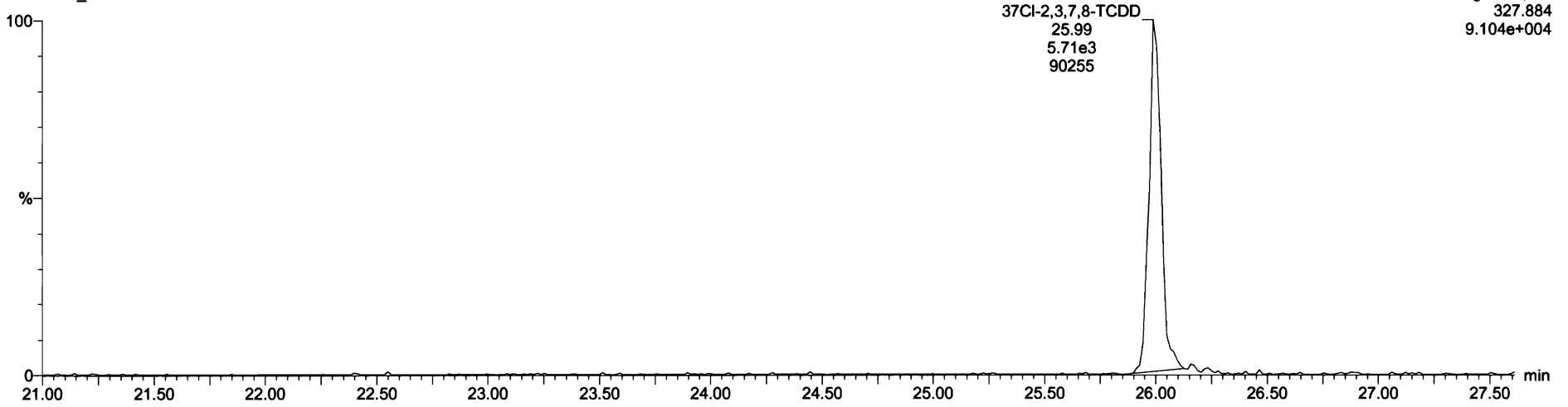
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

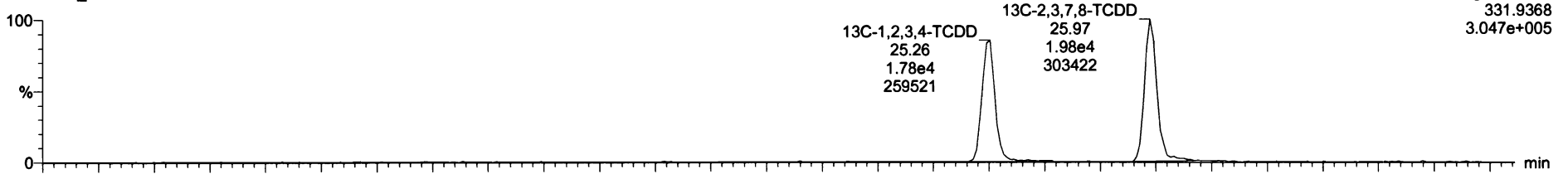
37Cl-2,3,7,8-TCDD

201230D1_1

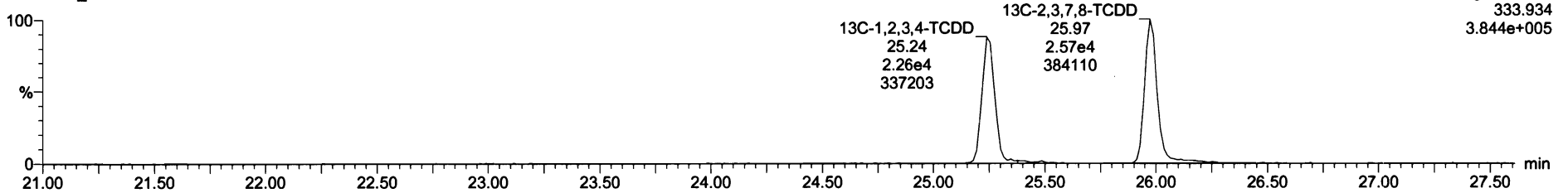


13C-1,2,3,4-TCDD

201230D1_1



201230D1_1

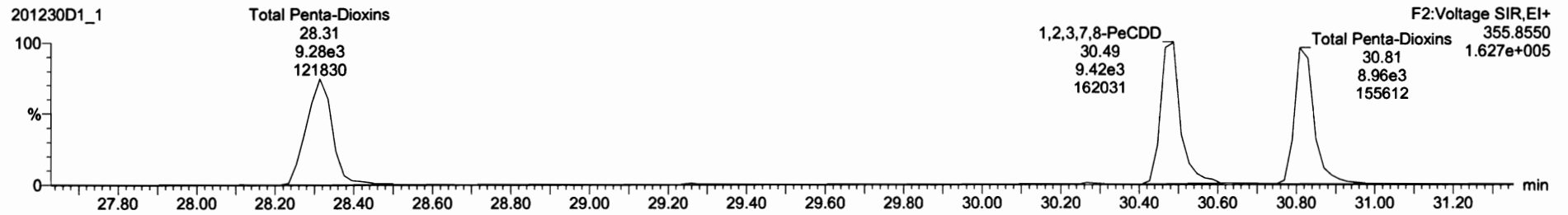
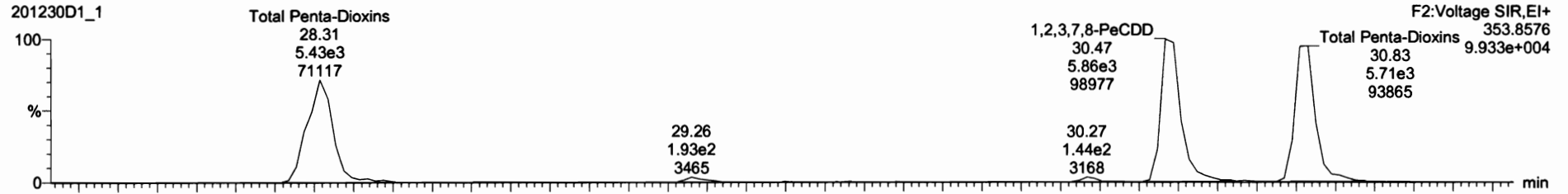


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

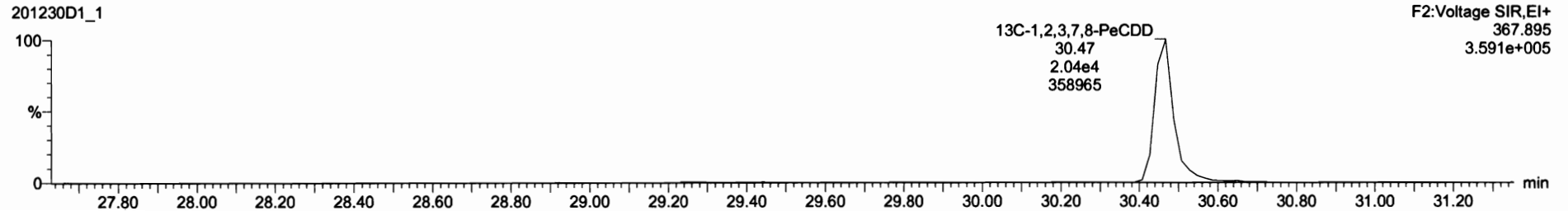
Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

1,2,3,7,8-PeCDD



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

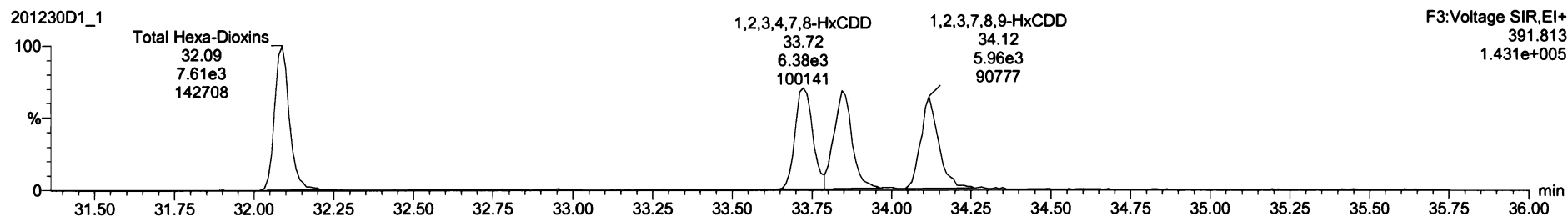
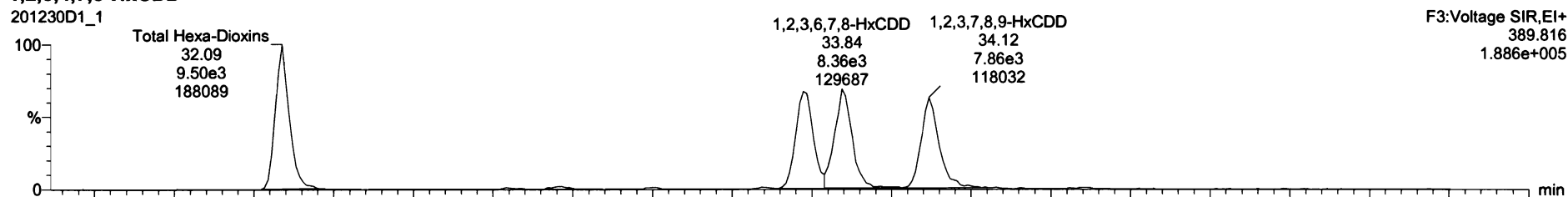


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

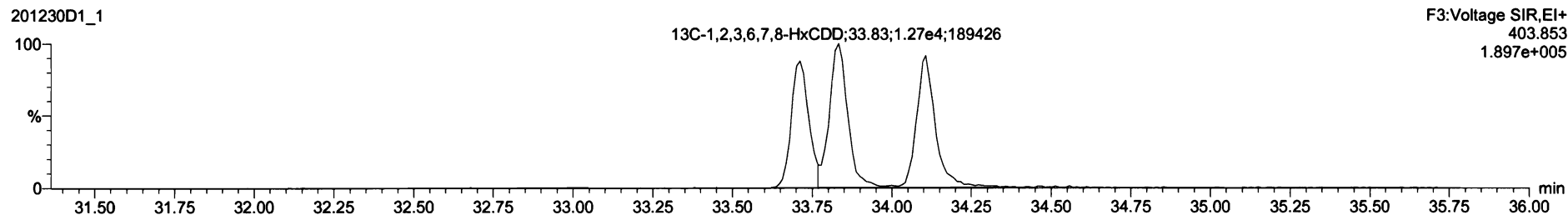
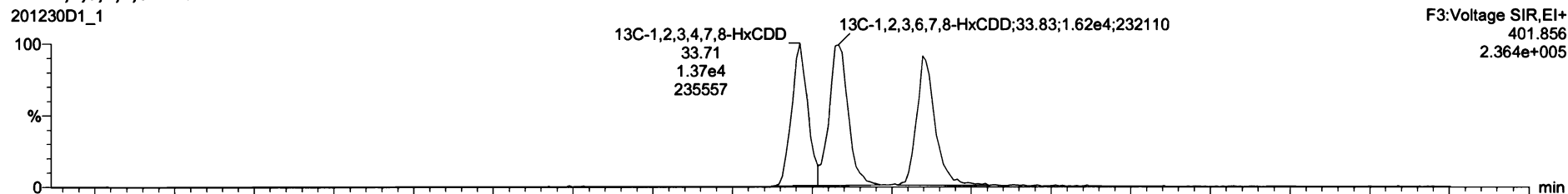
Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

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



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



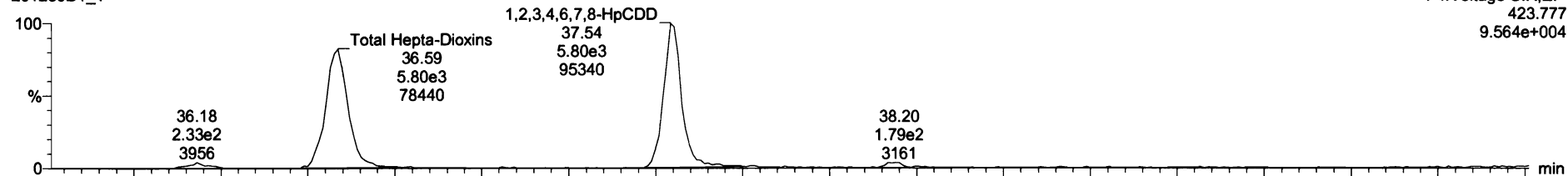
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

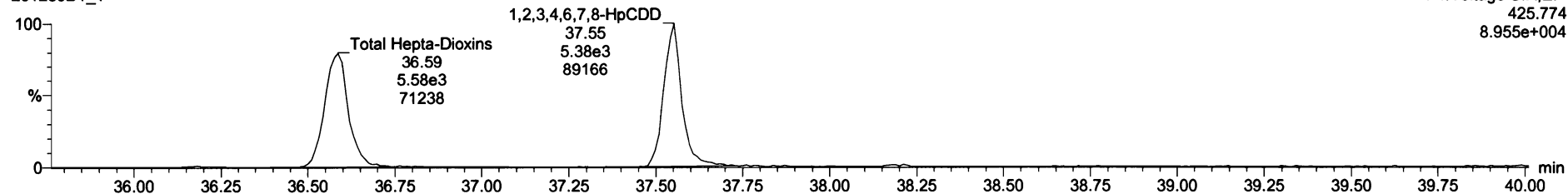
1,2,3,4,6,7,8-HpCDD

201230D1_1



F4:Voltage SIR,EI+
423.777
9.564e+004

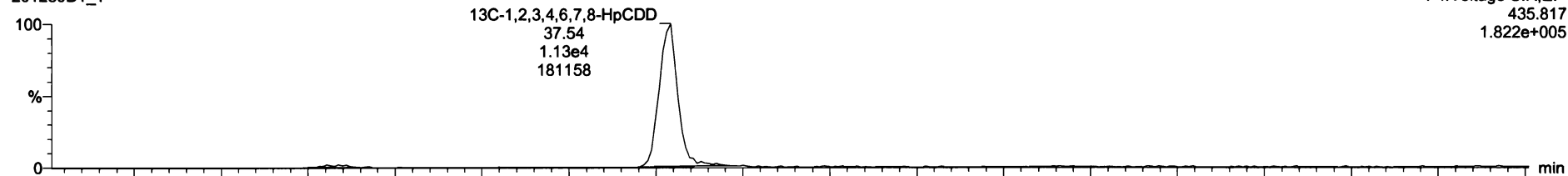
201230D1_1



F4:Voltage SIR,EI+
425.774
8.955e+004

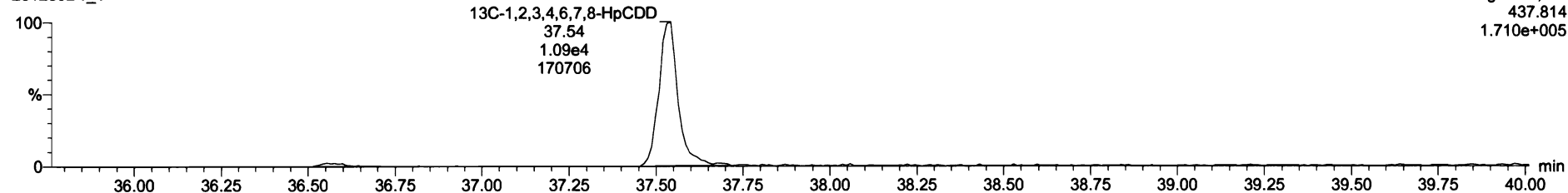
13C-1,2,3,4,6,7,8-HpCDD

201230D1_1



F4:Voltage SIR,EI+
435.817
1.822e+005

201230D1_1

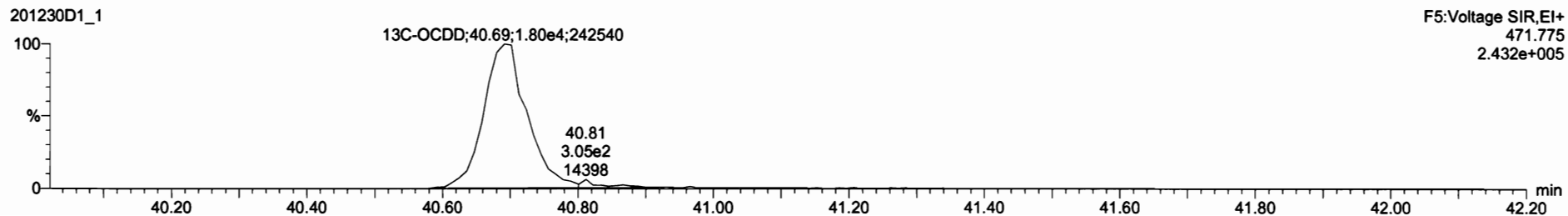
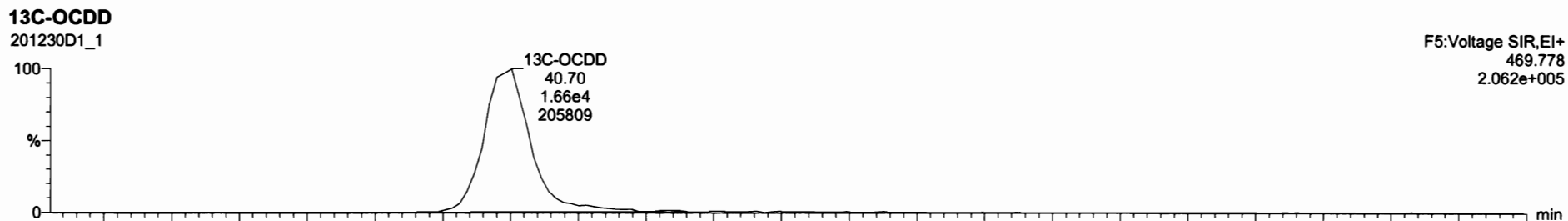
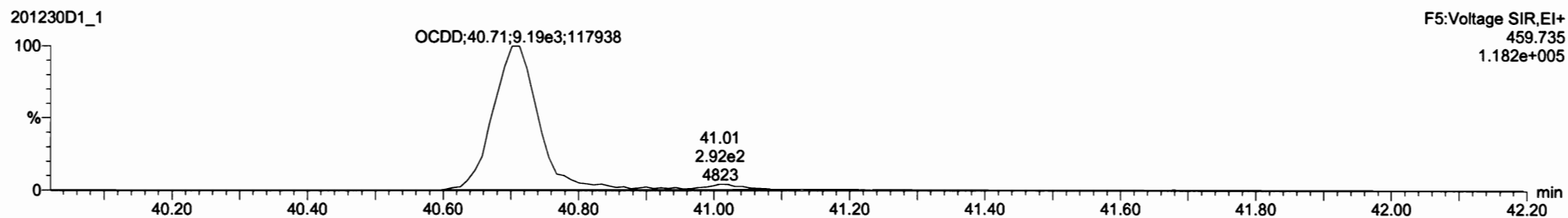
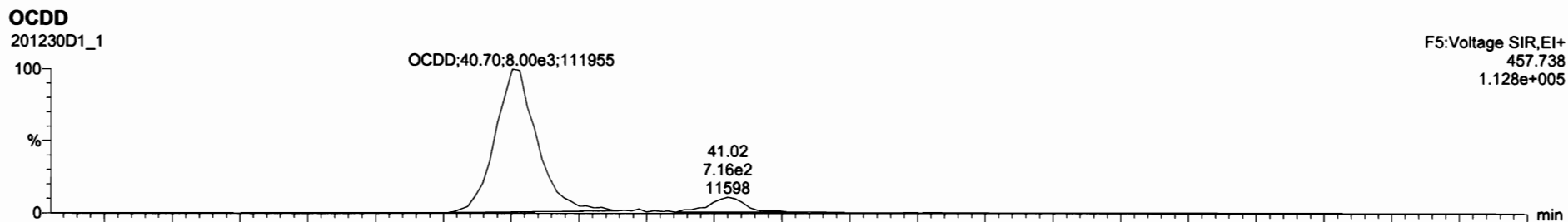


F4:Voltage SIR,EI+
437.814
1.710e+005

Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706



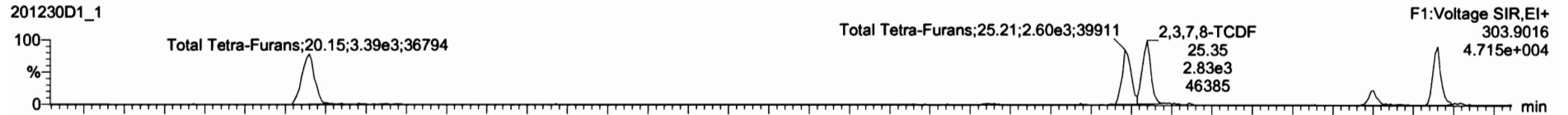
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

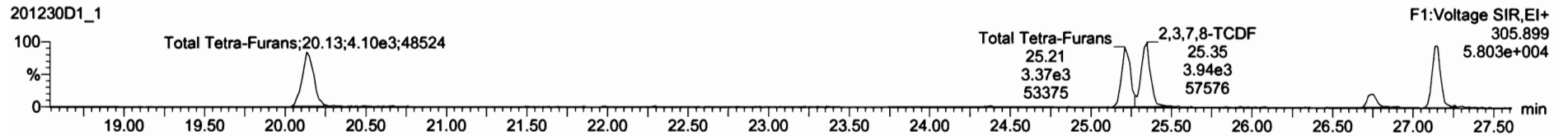
Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

2,3,7,8-TCDF

201230D1_1

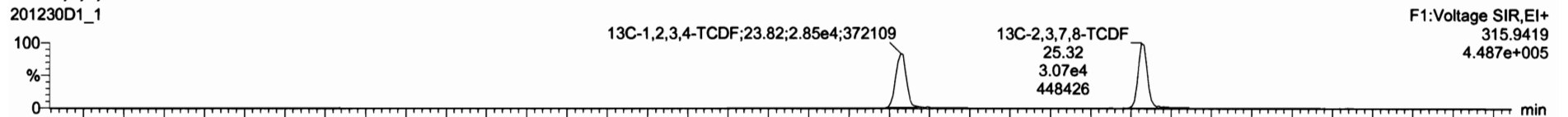


201230D1_1

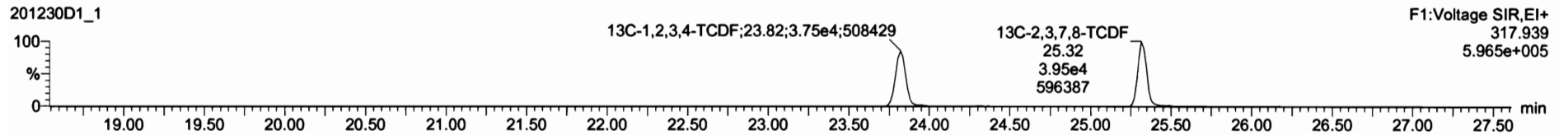


13C-2,3,7,8-TCDF

201230D1_1

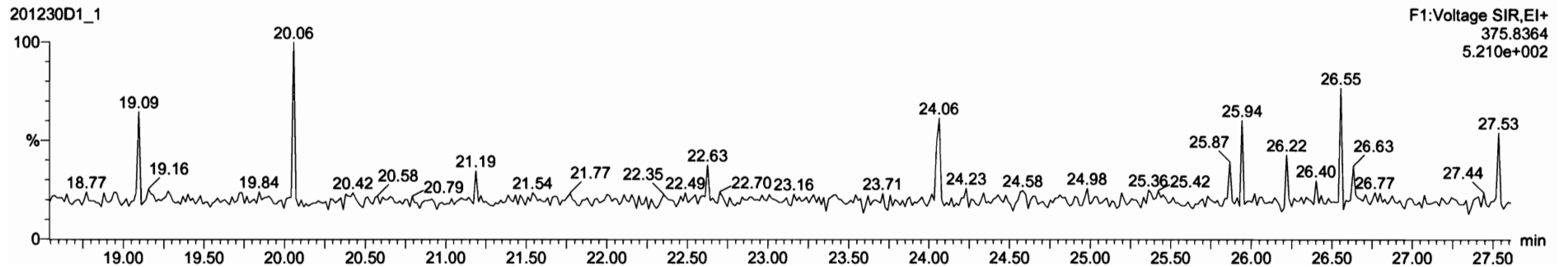


201230D1_1



DPE1

201230D1_1



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time

Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

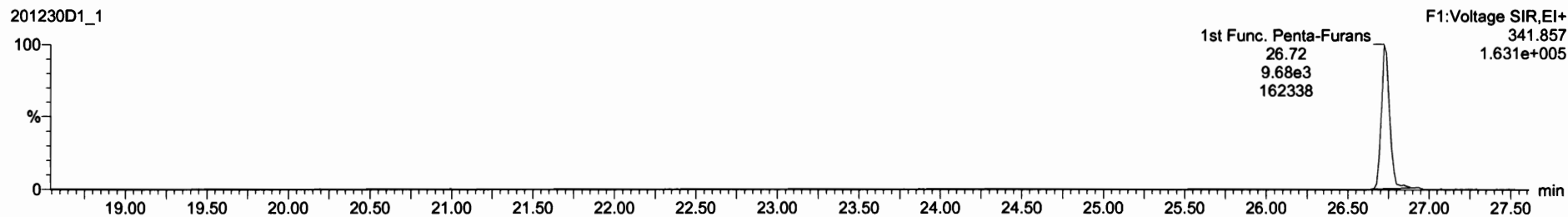
Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

1st Func. Penta-Furans

201230D1_1

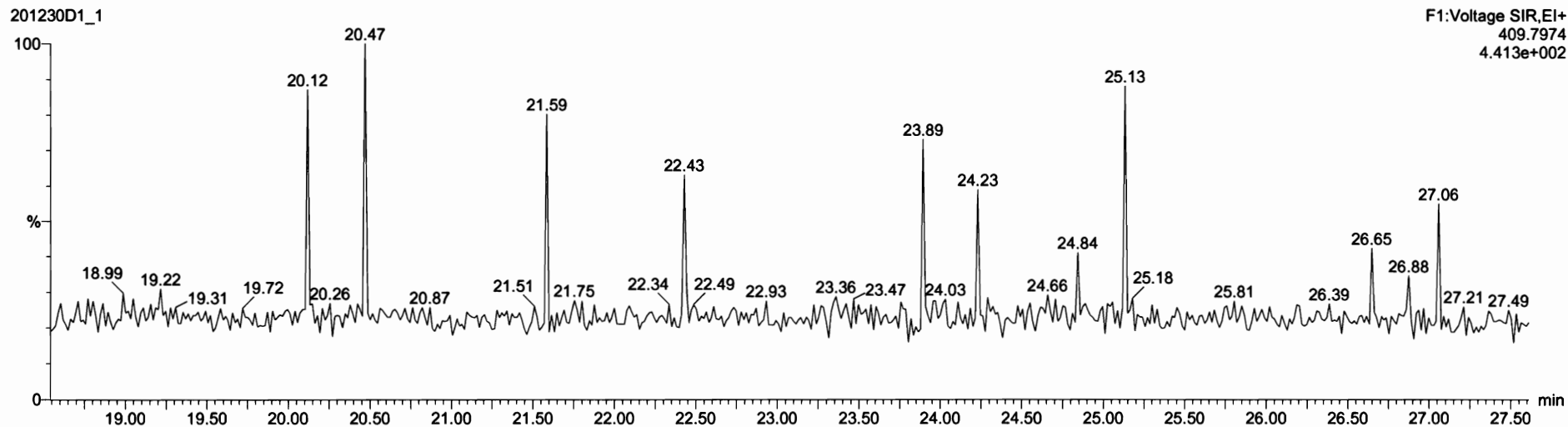


201230D1_1



DPE6

201230D1_1

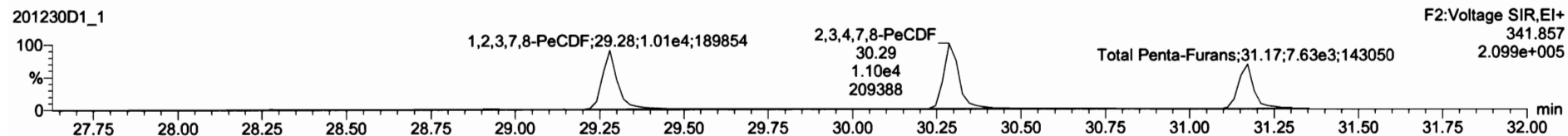
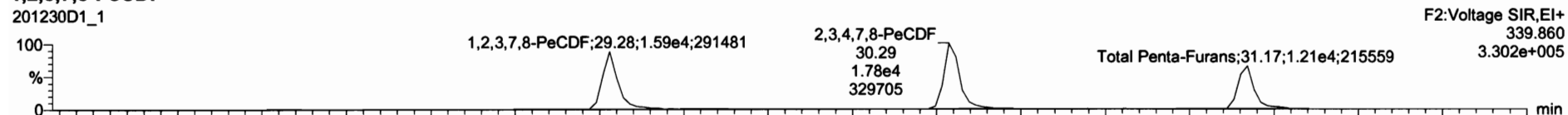


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

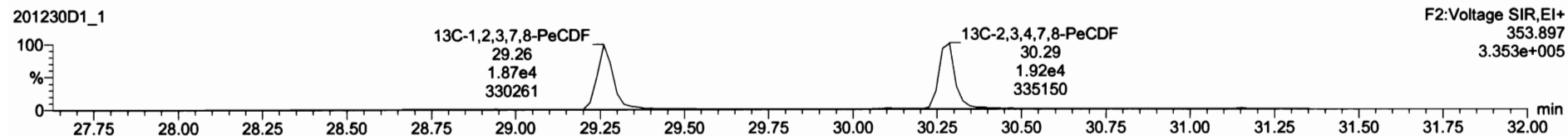
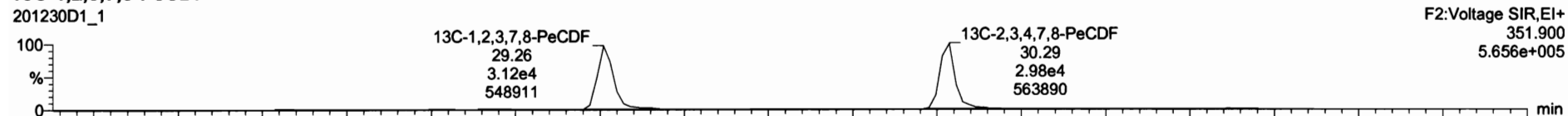
Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

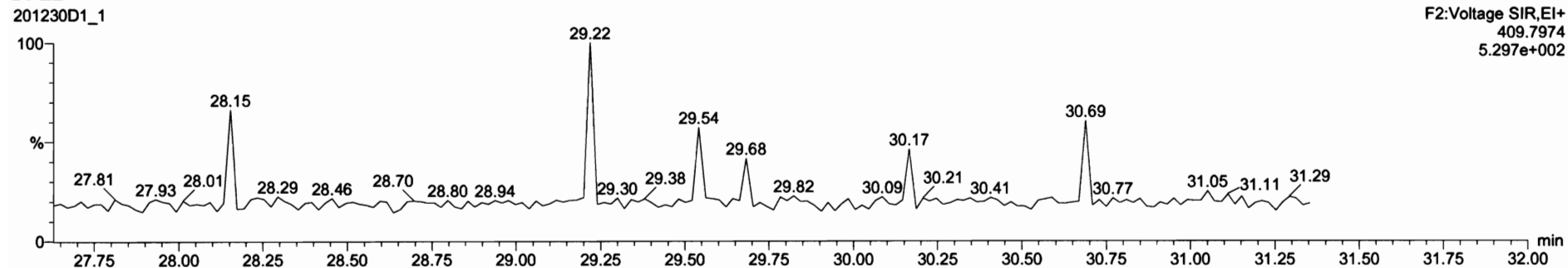
1,2,3,7,8-PeCDF



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



DPE2

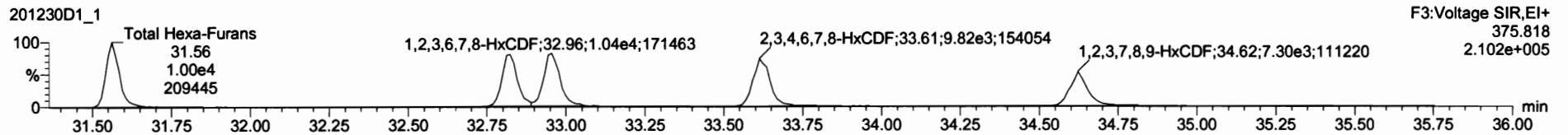
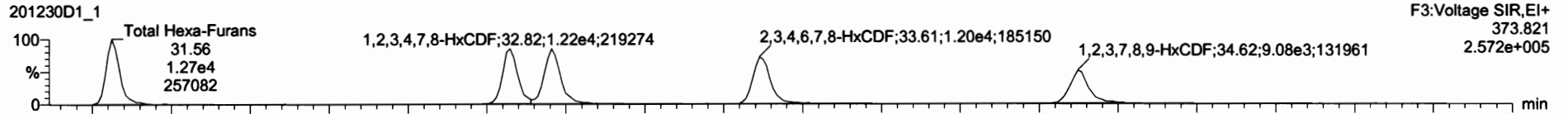


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

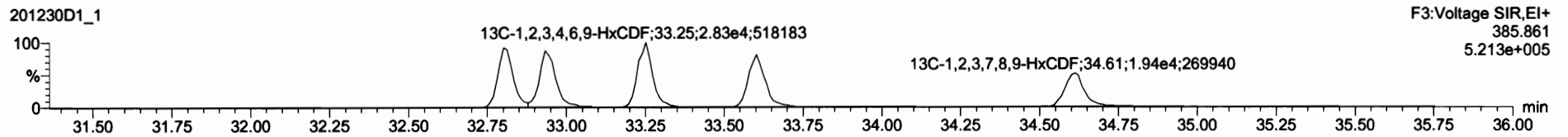
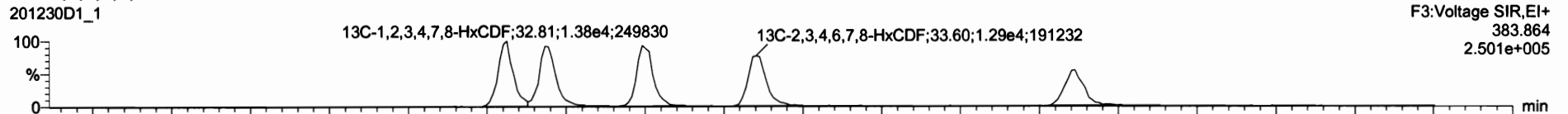
Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

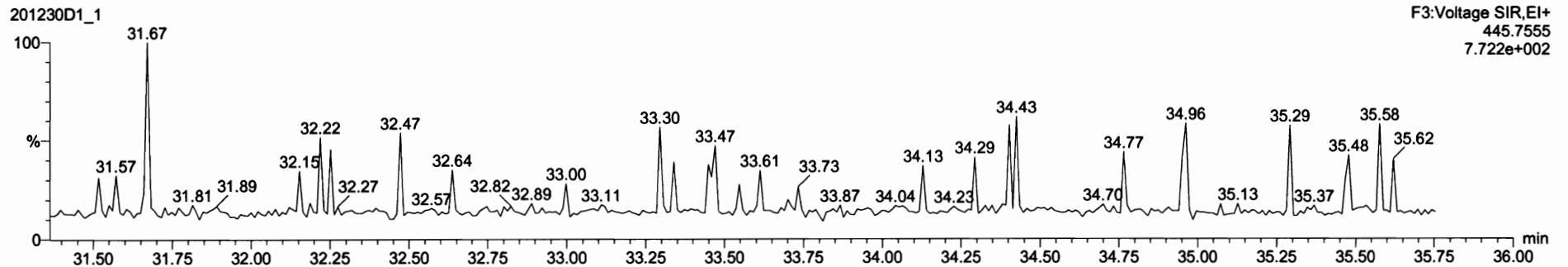
1,2,3,4,7,8-HxCDF



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



DPE3

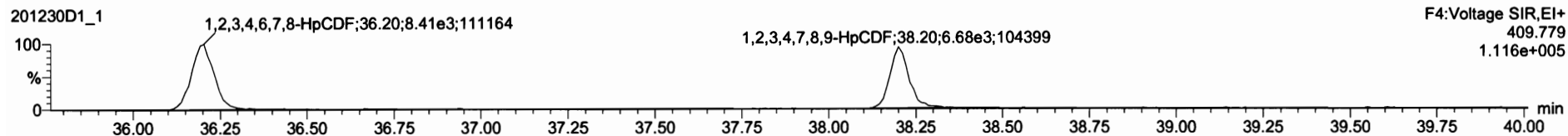
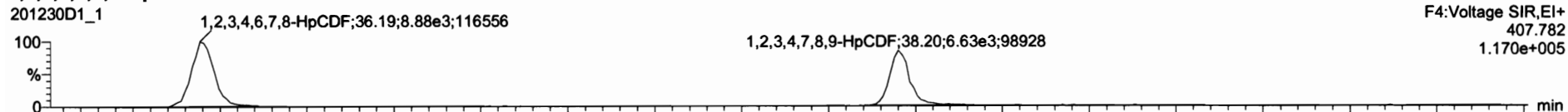


Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

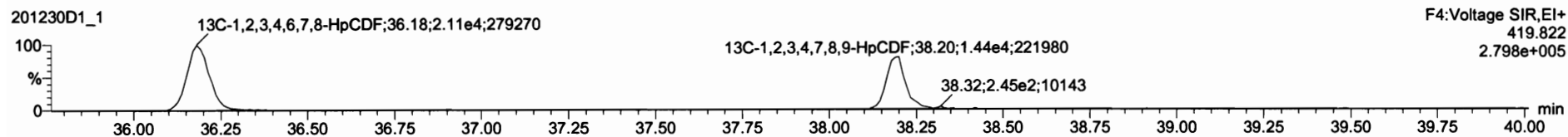
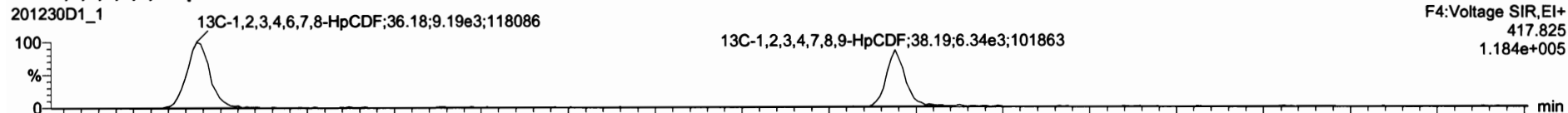
Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

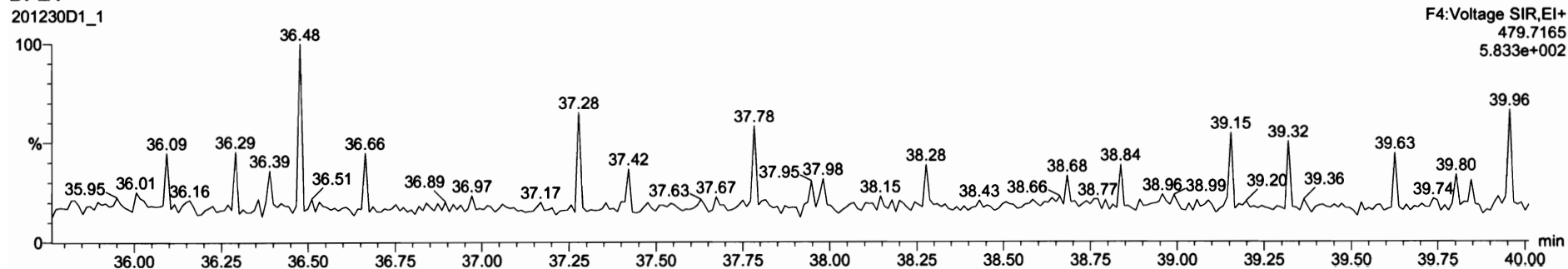
1,2,3,4,6,7,8-HpCDF



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



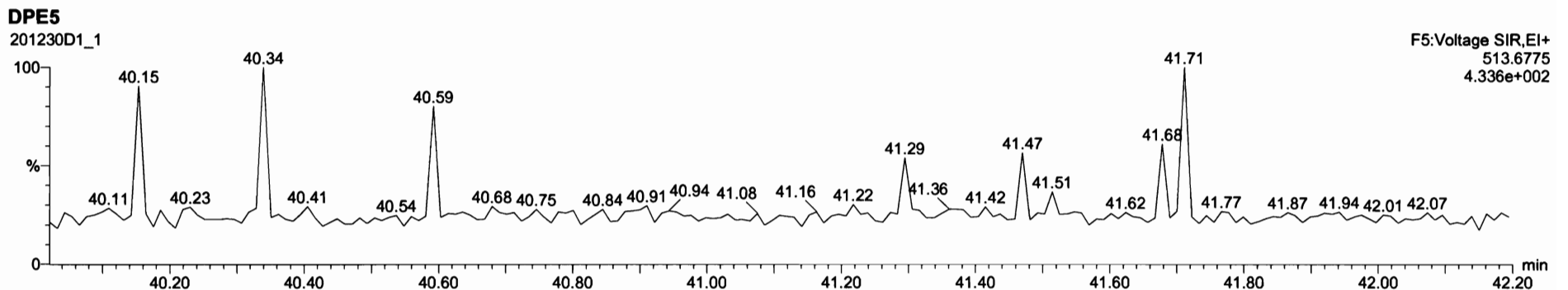
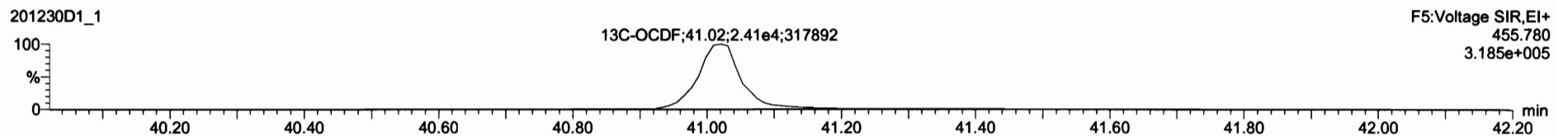
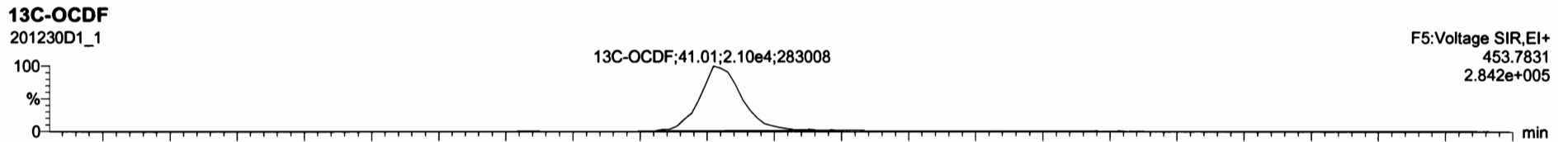
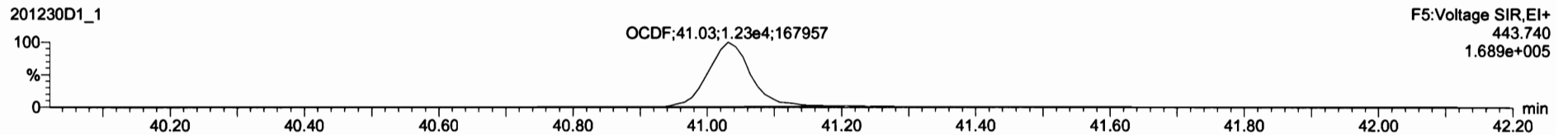
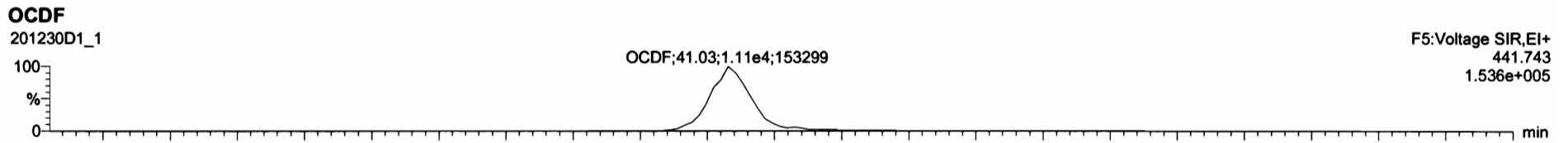
DPE4



Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

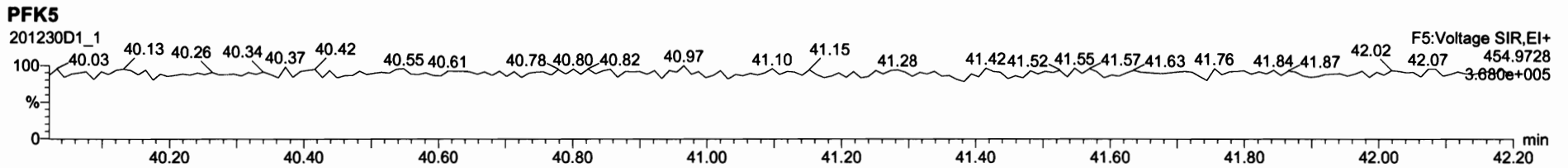
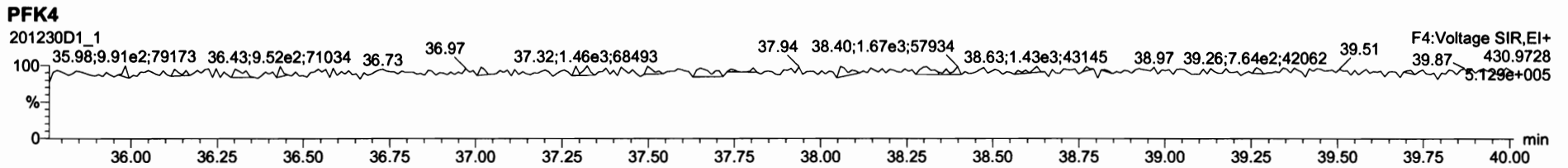
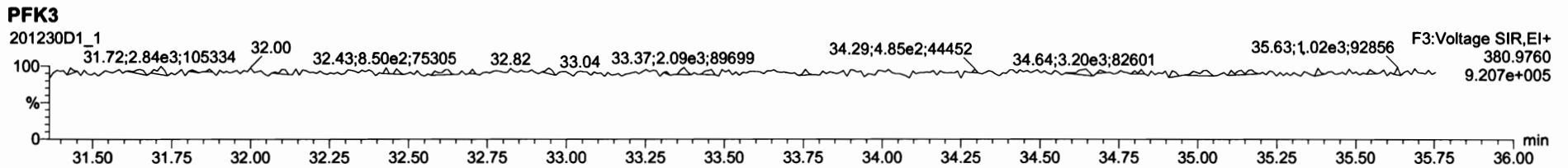
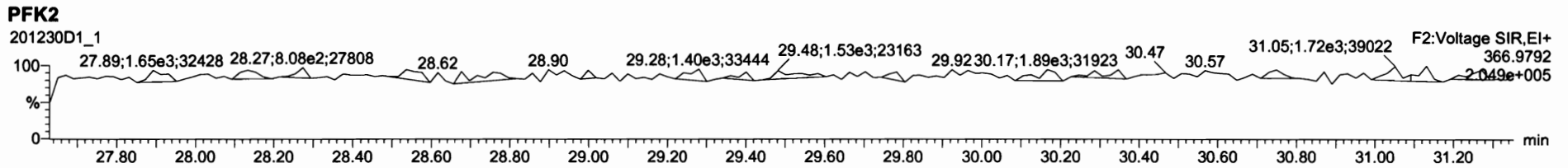
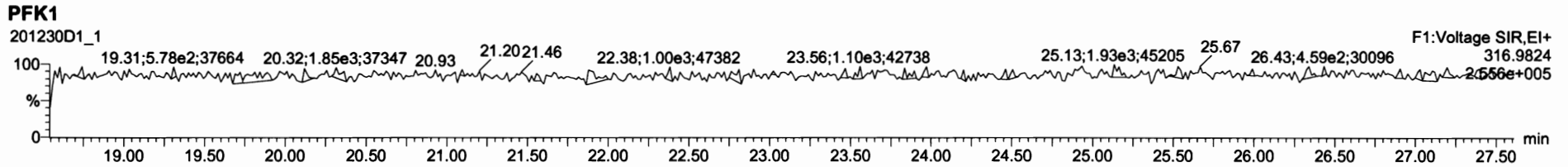
Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706



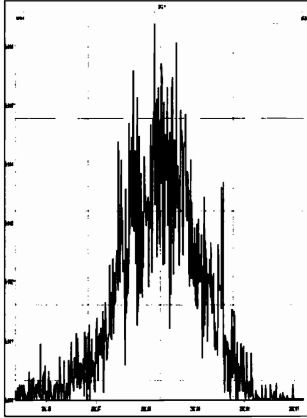
Dataset: U:\VG7.PRO\Results\201230D1\201230D1_1.qld

Last Altered: Wednesday, December 30, 2020 11:57:45 Pacific Standard Time
Printed: Wednesday, December 30, 2020 11:58:30 Pacific Standard Time

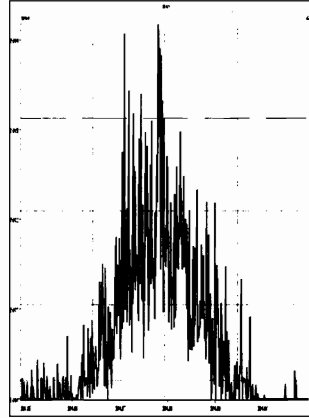
Name: 201230D1_1, Date: 30-Dec-2020, Time: 11:12:23, ID: ST201230D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706



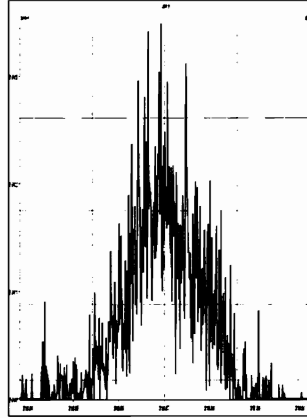
M 292.9824 R 11933



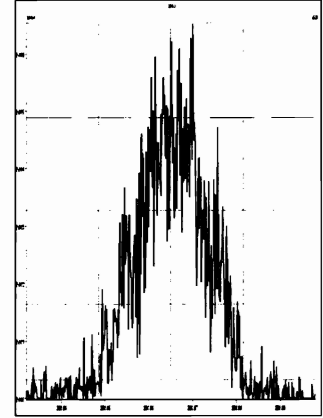
M 304.9824 R 15426



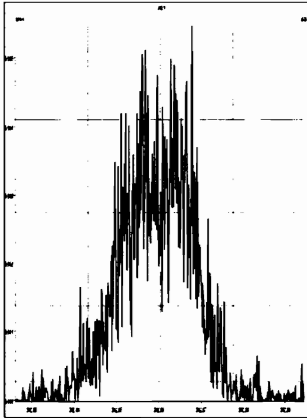
M 318.9792 R 16195



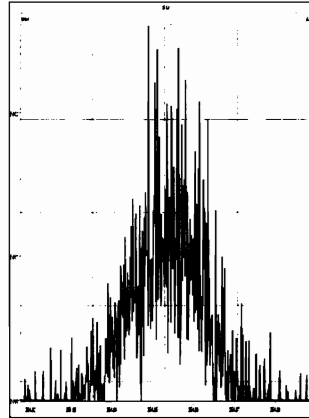
M 330.9792 R 10724



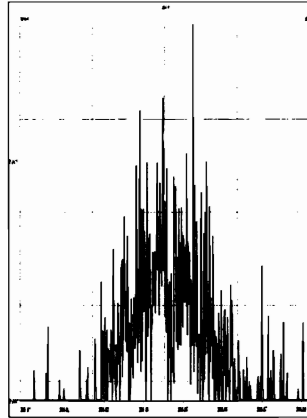
M 342.9792 R 11068



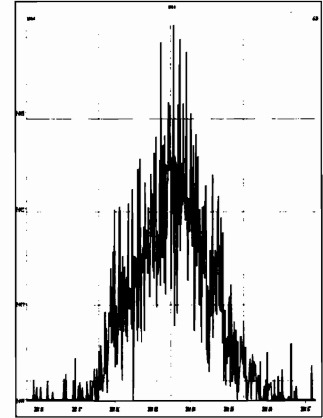
M 354.9792 R 18992



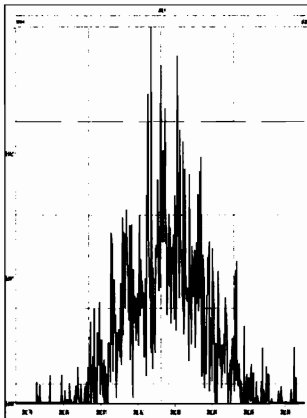
M 366.9792 R 282051



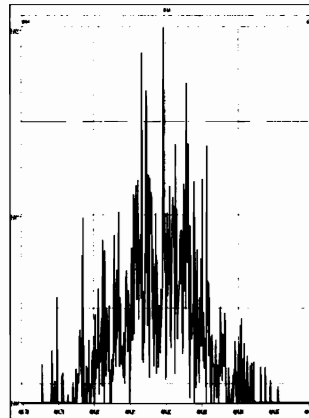
M 380.9760 R 13432



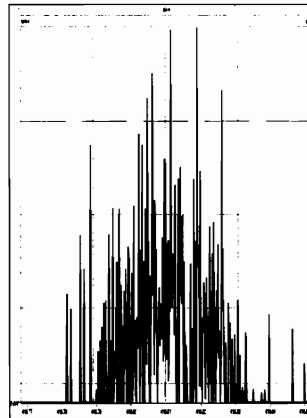
M 392.9760 R 17606



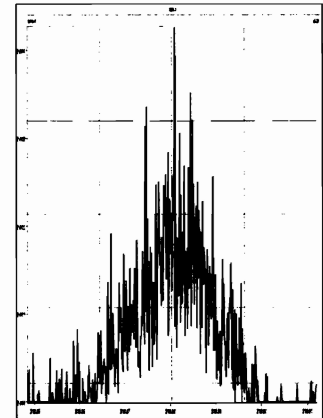
M 404.9760 R 68954



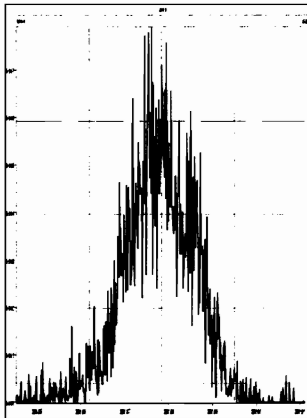
M 416.9760 R 721147



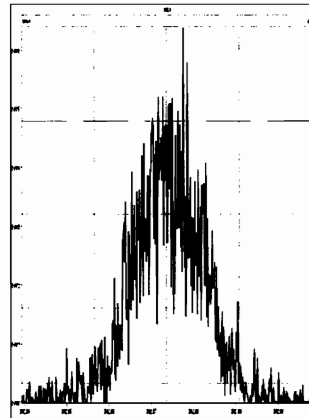
M 318.9792 R 14454



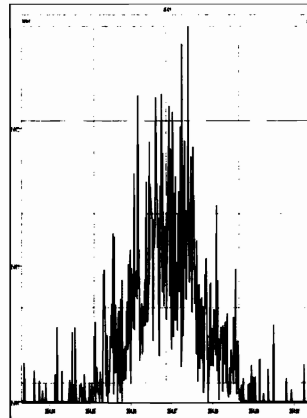
M 330.9792 R 12259



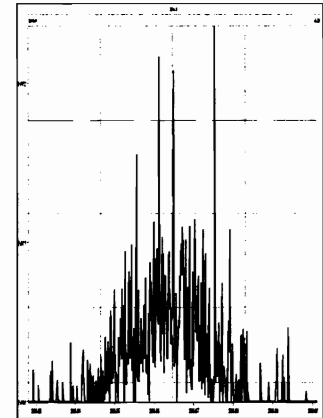
M 342.9792 R 12297



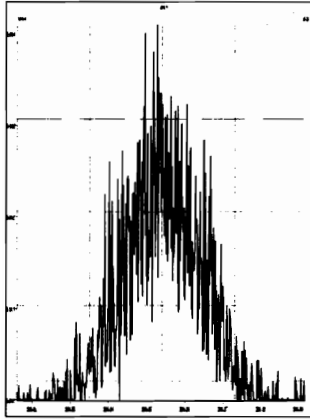
M 354.9792 R 18406



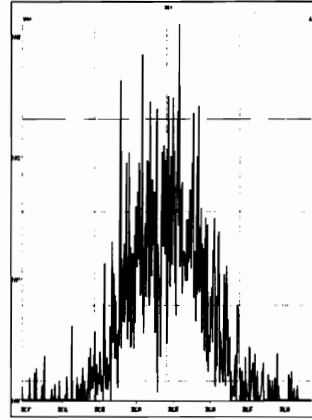
M 366.9792 R 45881



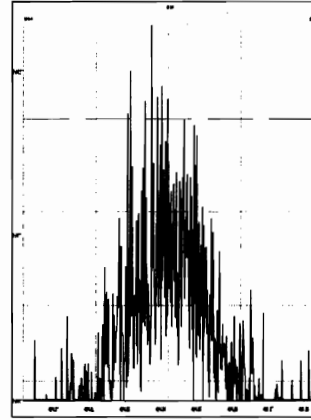
M 380.9760 R 12691



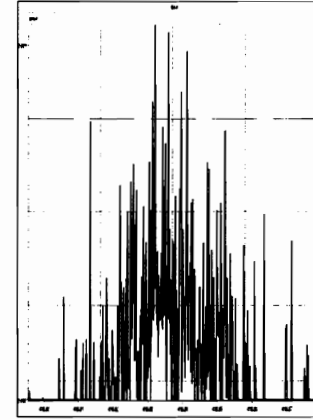
M 392.9760 R 12711



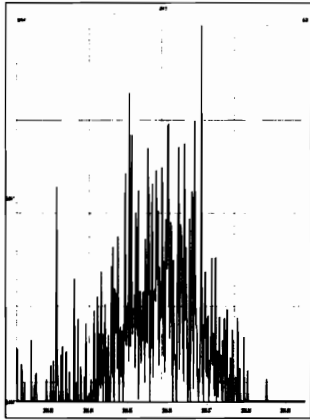
M 404.9760 R 24051



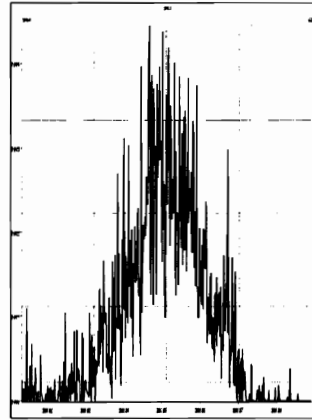
M 416.9760 R 437499



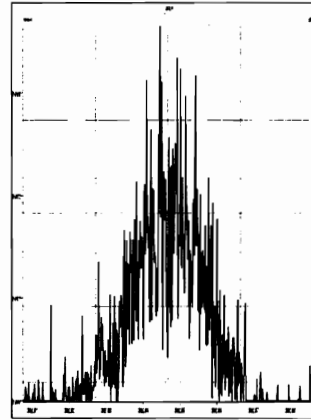
M 366.9792 R 43625



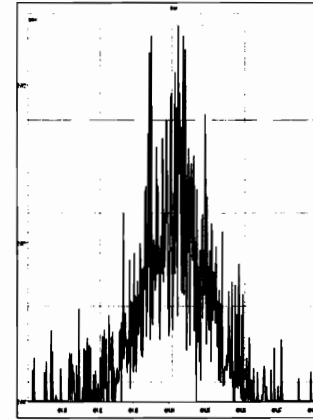
M 380.9760 R 12059



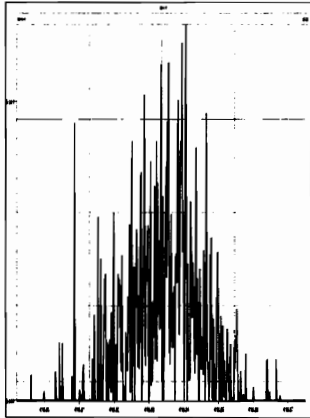
M 392.9760 R 15025



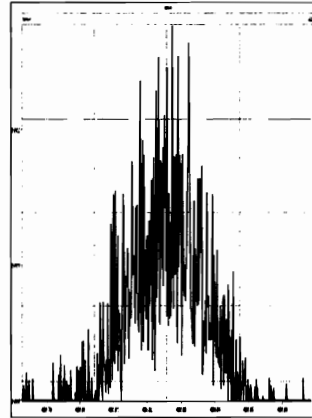
M 404.9760 R 17929



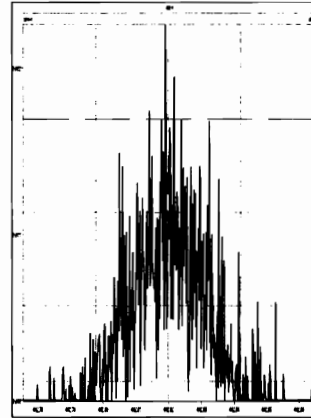
M 416.9760 R 141413



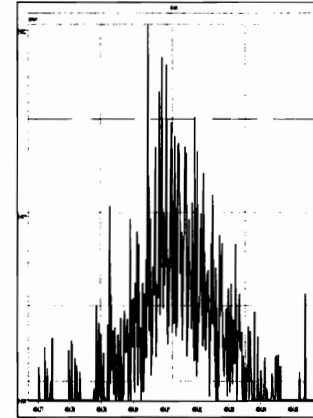
M 430.9728 R 13514



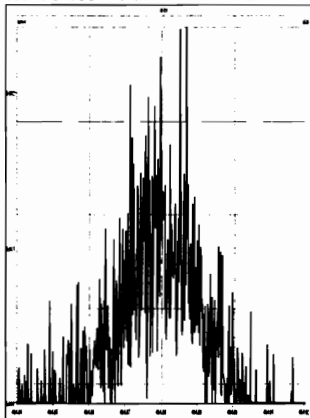
M 442.9728 R 22564



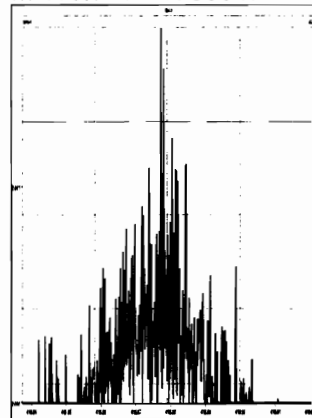
M 454.9728 R 28325



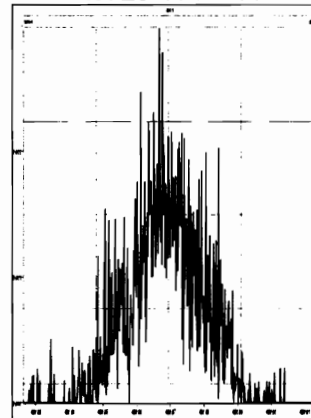
M 404.9760 R 19406



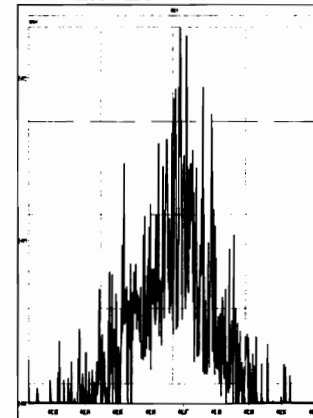
M 416.9760 R 85647



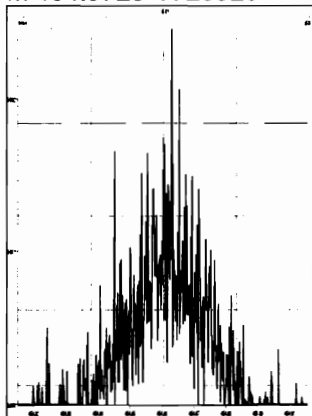
M 430.9728 R 14765



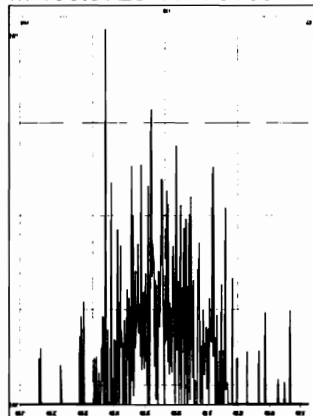
M 442.9728 R 16161



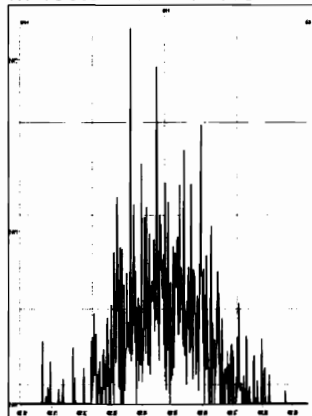
M 454.9728 R 20920



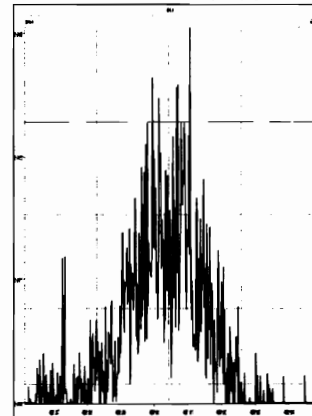
M 466.9728 R 173159



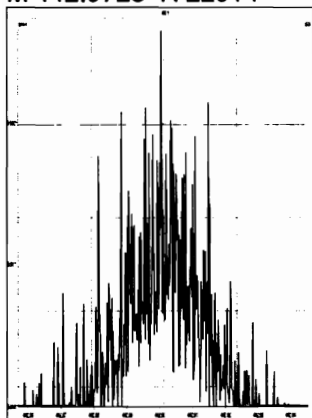
M 480.9696 R 34572



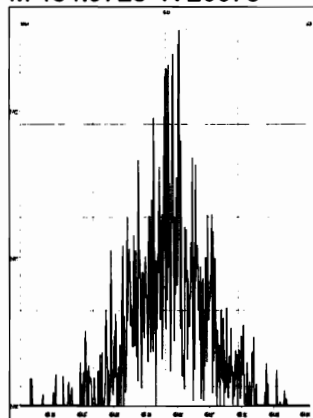
M 430.9728 R 15108



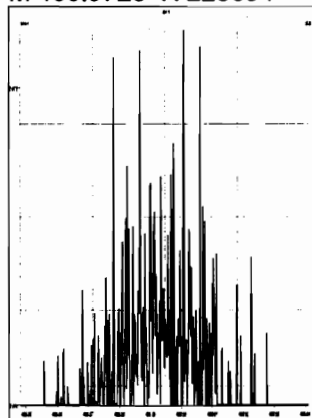
M 442.9728 R 22914



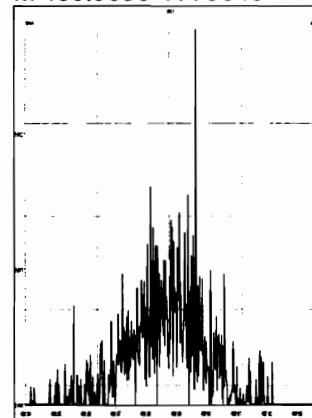
M 454.9728 R 26673



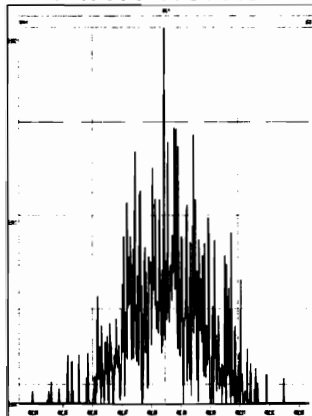
M 466.9728 R 225694



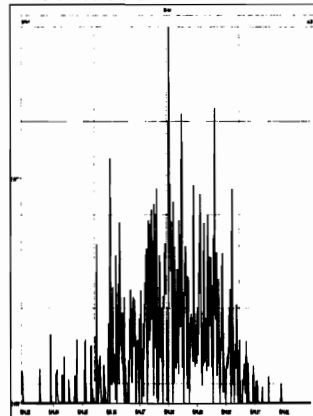
M 480.9696 R 79545



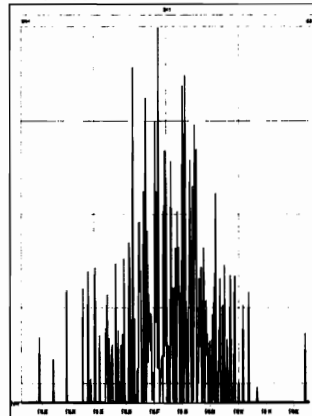
M 492.9696 R 31443



M 504.9696 R 85020



M 516.9697 R 203571



INITIAL CALIBRATION

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld
 Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time
 Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

DB *10/1/20* *CT 10/01/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
 Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Compound name: 2,3,7,8-TCDD
 Response Factor: 1.00219
 RRF SD: 0.105409, Relative SD: 10.5178
 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	200930D2_1	0.250	0.67	NO	25.79	1.001	4.43e2	1.74e5	0.254	1.5	1.02	MM
2	200930D2_2	0.500	0.78	NO	25.82	1.001	8.87e2	1.77e5	0.501	0.1	1.00	MM
3	200930D2_3	2.00	0.80	NO	25.79	1.001	3.35e3	1.92e5	1.75	-12.7	0.875	bb
4	200930D2_4	10.0	0.77	NO	25.81	1.001	1.39e4	1.46e5	9.51	-4.9	0.953	dd
5	200930D2_5	40.0	0.76	NO	25.81	1.001	7.37e4	1.89e5	38.9	-2.9	0.973	bb
6	200930D2_6	300	0.78	NO	25.82	1.001	7.58e5	2.12e5	357	18.9	1.19	bb

Compound name: 1,2,3,7,8-PeCDD
 Response Factor: 0.93495
 RRF SD: 0.119844, Relative SD: 12.8182
 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	200930D2_1	1.25	0.62	NO	30.15	1.000	1.49e3	1.32e5	1.21	-3.3	0.904	MM
2	200930D2_2	2.50	0.66	NO	30.17	1.001	2.83e3	1.43e5	2.12	-15.1	0.793	MM
3	200930D2_3	10.0	0.59	NO	30.15	1.000	1.29e4	1.55e5	8.94	-10.6	0.836	bb
4	200930D2_4	50.0	0.59	NO	30.17	1.001	5.42e4	1.17e5	49.7	-0.6	0.929	bb
5	200930D2_5	200	0.60	NO	30.17	1.001	2.74e5	1.32e5	222	11.0	1.04	bb
6	200930D2_6	1500	0.62	NO	30.17	1.001	2.85e6	1.71e5	1780	18.7	1.11	bb

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.15193

RRF SD: 0.107646, Relative SD: 9.34488

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	200930D2_1	1.25	1.21	NO	33.40	1.001	1.43e3	1.01e5	1.22	-2.2	1.13	MM
2	200930D2_2	2.50	1.42	NO	33.40	1.000	2.77e3	1.06e5	2.27	-9.4	1.04	dd
3	200930D2_3	10.0	1.33	NO	33.39	1.000	1.21e4	1.17e5	8.93	-10.7	1.03	dd
4	200930D2_4	50.0	1.26	NO	33.40	1.000	5.14e4	8.84e4	50.4	0.8	1.16	bd
5	200930D2_5	200	1.29	NO	33.40	1.000	2.76e5	1.09e5	219	9.6	1.26	bd
6	200930D2_6	1500	1.27	NO	33.42	1.001	2.71e6	1.40e5	1680	11.7	1.29	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 1.02368

RRF SD: 0.0855683, Relative SD: 8.35893

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	200930D2_1	1.25	1.19	NO	33.50	1.000	1.43e3	1.19e5	1.17	-6.4	0.958	MM
2	200930D2_2	2.50	1.19	NO	33.53	1.000	2.93e3	1.21e5	2.37	-5.0	0.972	db
3	200930D2_3	10.0	1.26	NO	33.51	1.000	1.28e4	1.36e5	9.16	-8.4	0.937	db
4	200930D2_4	50.0	1.26	NO	33.53	1.001	5.15e4	1.01e5	49.8	-0.3	1.02	db
5	200930D2_5	200	1.23	NO	33.53	1.001	2.74e5	1.24e5	216	8.2	1.11	db
6	200930D2_6	1500	1.28	NO	33.54	1.001	2.69e6	1.56e5	1680	12.0	1.15	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 1.06096

RRF SD: 0.104523, Relative SD: 9.85175

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	200930D2_1	1.25	1.28	NO	33.80	1.000	1.50e3	1.15e5	1.23	-1.9	1.04	MM
2	200930D2_2	2.50	1.26	NO	33.81	1.000	2.90e3	1.22e5	2.25	-10.0	0.955	bb

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time
 Printed: Thursday, October 01, 2020 10:31:30 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	200930D2_3	10.0	1.33	NO	33.79	1.000	1.28e4	1.34e5	9.01	-9.9	0.956	bb
4	200930D2_4	50.0	1.29	NO	33.80	1.000	5.21e4	9.97e4	49.2	-1.6	1.04	bb
5	200930D2_5	200	1.25	NO	33.81	1.001	2.84e5	1.22e5	220	9.8	1.16	bb
6	200930D2_6	1500	1.28	NO	33.82	1.001	2.81e6	1.55e5	1700	13.6	1.21	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 1.00136

RRF SD: 0.124298, Relative SD: 12.4129

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	200930D2_1	1.25	0.92	NO	37.19	1.000	1.19e3	1.07e5	1.11	-11.0	0.891	MM
2	200930D2_2	2.50	0.95	NO	37.20	1.000	2.68e3	1.13e5	2.37	-5.3	0.948	bb
3	200930D2_3	10.0	1.04	NO	37.18	1.000	1.09e4	1.22e5	8.94	-10.6	0.895	bb
4	200930D2_4	50.0	1.05	NO	37.19	1.000	4.59e4	9.48e4	48.4	-3.2	0.969	bb
5	200930D2_5	200	1.04	NO	37.20	1.001	2.47e5	1.12e5	221	10.6	1.11	bb
6	200930D2_6	1500	1.04	NO	37.21	1.000	2.53e6	1.41e5	1790	19.6	1.20	bb

Compound name: OCDD

Response Factor: 0.952

RRF SD: 0.102145, Relative SD: 10.7295

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	200930D2_1	2.50	0.95	NO	40.38	1.001	2.06e3	1.81e5	2.39	-4.4	0.910	MM
2	200930D2_2	5.00	0.84	NO	40.39	1.000	4.26e3	2.08e5	4.30	-14.0	0.819	bb
3	200930D2_3	20.0	0.91	NO	40.37	1.000	1.88e4	2.10e5	18.8	-6.0	0.895	bd
4	200930D2_4	100	0.91	NO	40.39	1.001	7.84e4	1.63e5	101	1.1	0.963	bd
5	200930D2_5	400	0.90	NO	40.39	1.000	4.22e5	2.08e5	426	6.6	1.01	bb
6	200930D2_6	3000	0.91	NO	40.42	1.000	4.25e6	2.55e5	3500	16.7	1.11	bb

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

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

Response Factor: 1.01297

RRF SD: 0.140498, Relative SD: 13.8699

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	200930D2_1	0.250	0.79	NO	25.15	1.001	7.60e2	2.52e5	0.298	19.2	1.21	MM
2	200930D2_2	0.500	0.76	NO	25.16	1.001	1.27e3	2.58e5	0.484	-3.1	0.981	MM
3	200930D2_3	2.00	0.74	NO	25.15	1.001	4.49e3	2.68e5	1.66	-17.2	0.839	bb
4	200930D2_4	10.0	0.74	NO	25.16	1.001	1.88e4	2.10e5	8.88	-11.2	0.899	bb
5	200930D2_5	40.0	0.77	NO	25.15	1.001	1.04e5	2.57e5	39.8	-0.4	1.01	bd
6	200930D2_6	300	0.76	NO	25.16	1.001	9.86e5	2.88e5	338	12.7	1.14	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.997733

RRF SD: 0.105042, Relative SD: 10.528

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	200930D2_1	1.25	1.56	NO	29.00	1.001	2.34e3	1.96e5	1.19	-4.5	0.952	MM
2	200930D2_2	2.50	1.49	NO	29.02	1.001	4.41e3	2.00e5	2.21	-11.5	0.882	bb
3	200930D2_3	10.0	1.59	NO	29.00	1.001	2.02e4	2.22e5	9.14	-8.6	0.912	bd
4	200930D2_4	50.0	1.63	NO	29.00	1.000	8.94e4	1.79e5	50.0	-0.0	0.998	dd
5	200930D2_5	200	1.61	NO	29.00	1.001	4.62e5	2.12e5	218	9.2	1.09	bb
6	200930D2_6	1500	1.61	NO	29.02	1.001	4.38e6	2.53e5	1730	15.5	1.15	bd

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.07418

RRF SD: 0.141641, Relative SD: 13.186

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	200930D2_1	1.25	1.58	NO	29.96	1.001	2.16e3	1.91e5	1.05	-15.7	0.905	MM
2	200930D2_2	2.50	1.60	NO	29.96	1.001	4.71e3	1.98e5	2.22	-11.3	0.952	bb

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time
 Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

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	200930D2_3	10.0	1.62	NO	29.96	1.001	2.12e4	2.10e5	9.39	-6.1	1.01	bb
4	200930D2_4	50.0	1.62	NO	29.96	1.001	8.96e4	1.61e5	51.9	3.7	1.11	bb
5	200930D2_5	200	1.60	NO	29.96	1.001	4.79e5	1.98e5	226	12.9	1.21	bb
6	200930D2_6	1500	1.58	NO	29.96	1.000	4.65e6	2.47e5	1750	16.6	1.25	bb

Compound name: 1,2,3,4,7,8-HxCDF

Rcspose Factor: 1.05155

RRF SD: 0.122186, Relative SD: 11.6195

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	200930D2_1	1.25	1.19	NO	32.50	1.000	2.00e3	1.64e5	1.16	-7.0	0.978	MM
2	200930D2_2	2.50	1.29	NO	32.52	1.000	3.98e3	1.72e5	2.21	-11.7	0.929	bd
3	200930D2_3	10.0	1.25	NO	32.50	1.001	1.75e4	1.84e5	9.00	-10.0	0.947	bd
4	200930D2_4	50.0	1.27	NO	32.50	1.000	7.44e4	1.40e5	50.5	1.0	1.06	bd
5	200930D2_5	200	1.25	NO	32.51	1.000	4.05e5	1.72e5	224	12.0	1.18	bd
6	200930D2_6	1500	1.26	NO	32.52	1.000	3.93e6	2.16e5	1740	15.7	1.22	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.09956

RRF SD: 0.12428, Relative SD: 11.3027

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	200930D2_1	1.25	1.24	NO	32.64	1.000	2.15e3	1.66e5	1.18	-5.8	1.04	MM
2	200930D2_2	2.50	1.33	NO	32.65	1.000	4.33e3	1.77e5	2.23	-10.9	0.980	db
3	200930D2_3	10.0	1.24	NO	32.64	1.001	1.87e4	1.88e5	9.03	-9.7	0.993	db
4	200930D2_4	50.0	1.26	NO	32.64	1.000	7.93e4	1.45e5	49.7	-0.5	1.09	db
5	200930D2_5	200	1.24	NO	32.64	1.000	4.22e5	1.75e5	219	9.6	1.20	db
6	200930D2_6	1500	1.24	NO	32.65	1.000	4.09e6	2.11e5	1760	17.4	1.29	db

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.08752

RRF SD: 0.136992, Relative SD: 12.5967

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	200930D2_1	1.25	1.25	NO	33.27	1.000	1.91e3	1.58e5	1.11	-11.0	0.968	MM
2	200930D2_2	2.50	1.28	NO	33.28	1.000	3.96e3	1.61e5	2.26	-9.6	0.983	bb
3	200930D2_3	10.0	1.26	NO	33.28	1.001	1.77e4	1.81e5	8.97	-10.3	0.976	bb
4	200930D2_4	50.0	1.23	NO	33.28	1.000	7.34e4	1.35e5	50.2	0.3	1.09	bb
5	200930D2_5	200	1.24	NO	33.29	1.001	3.94e5	1.60e5	226	13.0	1.23	bb
6	200930D2_6	1500	1.24	NO	33.29	1.000	3.89e6	2.03e5	1760	17.5	1.28	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 1.08188

RRF SD: 0.11347, Relative SD: 10.4883

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	200930D2_1	1.25	1.20	NO	34.29	1.001	1.74e3	1.36e5	1.19	-5.2	1.03	MM
2	200930D2_2	2.50	1.35	NO	34.30	1.000	3.56e3	1.44e5	2.28	-8.6	0.989	bb
3	200930D2_3	10.0	1.23	NO	34.29	1.001	1.49e4	1.55e5	8.87	-11.3	0.960	bb
4	200930D2_4	50.0	1.26	NO	34.29	1.000	6.56e4	1.20e5	50.6	1.3	1.10	bb
5	200930D2_5	200	1.29	NO	34.29	1.000	3.46e5	1.49e5	215	7.7	1.17	bb
6	200930D2_6	1500	1.25	NO	34.30	1.000	3.50e6	1.86e5	1740	16.1	1.26	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.13056

RRF SD: 0.148448, Relative SD: 13.1304

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	200930D2_1	1.25	0.96	NO	35.93	1.001	1.81e3	1.38e5	1.16	-7.6	1.04	MM
2	200930D2_2	2.50	1.10	NO	35.95	1.001	3.59e3	1.45e5	2.19	-12.5	0.989	bb

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\209930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

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	200930D2_3	10.0	0.98	NO	35.92	1.000	1.52e4	1.54e5	8.72	-12.8	0.986	bb
4	200930D2_4	50.0	1.02	NO	35.94	1.001	6.77e4	1.17e5	51.2	2.4	1.16	bd
5	200930D2_5	200	1.04	NO	35.94	1.001	3.79e5	1.49e5	225	12.3	1.27	bb
6	200930D2_6	1500	1.03	NO	35.95	1.001	3.65e6	1.82e5	1770	18.1	1.34	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.28584

RRF SD: 0.156323, Relative SD: 12.1572

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	200930D2_1	1.25	1.01	NO	37.84	1.000	1.49e3	9.84e4	1.17	-6.0	1.21	MM
2	200930D2_2	2.50	1.11	NO	37.85	1.000	2.96e3	1.07e5	2.16	-13.7	1.11	bb
3	200930D2_3	10.0	1.04	NO	37.83	1.000	1.31e4	1.10e5	9.19	-8.1	1.18	bb
4	200930D2_4	50.0	1.02	NO	37.84	1.000	5.55e4	8.69e4	49.6	-0.7	1.28	bd
5	200930D2_5	200	1.03	NO	37.84	1.000	3.19e5	1.13e5	219	9.7	1.41	bb
6	200930D2_6	1500	1.03	NO	37.86	1.001	3.13e6	1.37e5	1780	18.8	1.53	bb

Compound name: OCDF

Response Factor: 0.952821

RRF SD: 0.11104, Relative SD: 11.6538

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	200930D2_1	2.50	0.92	NO	40.69	1.000	2.42e3	2.27e5	2.24	-10.4	0.854	MM
2	200930D2_2	5.00	0.88	NO	40.71	1.000	5.45e3	2.52e5	4.54	-9.2	0.866	bb
3	200930D2_3	20.0	0.87	NO	40.69	1.000	2.28e4	2.61e5	18.3	-8.6	0.871	bb
4	200930D2_4	100	0.90	NO	40.71	1.001	9.70e4	2.04e5	99.6	-0.4	0.949	bb
5	200930D2_5	400	0.89	NO	40.71	1.001	5.52e5	2.58e5	449	12.4	1.07	bb
6	200930D2_6	3000	0.90	NO	40.73	1.001	5.35e6	3.22e5	3480	16.2	1.11	bb

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.17295

RRF SD: 0.0331012, Relative SD: 2.82204

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	200930D2_1	100	0.78	NO	25.77	1.027	1.74e5	1.48e5	101	0.5	1.18	bb
2	200930D2_2	100	0.78	NO	25.79	1.026	1.77e5	1.56e5	96.8	-3.2	1.14	bb
3	200930D2_3	100	0.75	NO	25.78	1.026	1.92e5	1.60e5	102	2.2	1.20	bb
4	200930D2_4	100	0.79	NO	25.79	1.027	1.46e5	1.27e5	97.9	-2.1	1.15	bb
5	200930D2_5	100	0.79	NO	25.78	1.026	1.89e5	1.64e5	98.4	-1.6	1.15	bb
6	200930D2_6	100	0.79	NO	25.81	1.027	2.12e5	1.74e5	104	4.2	1.22	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.914327

RRF SD: 0.0634254, Relative SD: 6.93683

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	200930D2_1	100	0.62	NO	30.15	1.201	1.32e5	1.48e5	97.3	-2.7	0.890	bb
2	200930D2_2	100	0.61	NO	30.15	1.199	1.43e5	1.56e5	100	0.2	0.916	bb
3	200930D2_3	100	0.63	NO	30.15	1.200	1.55e5	1.60e5	106	5.9	0.968	bb
4	200930D2_4	100	0.63	NO	30.15	1.200	1.17e5	1.27e5	101	0.6	0.920	bb
5	200930D2_5	100	0.63	NO	30.15	1.200	1.32e5	1.64e5	88.2	-11.8	0.807	bb
6	200930D2_6	100	0.64	NO	30.15	1.199	1.71e5	1.74e5	108	7.7	0.985	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.633572

RRF SD: 0.0302093, Relative SD: 4.7681

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	200930D2_1	100	1.30	NO	33.38	1.014	1.01e5	1.67e5	95.7	-4.3	0.607	bd
2	200930D2_2	100	1.29	NO	33.39	1.014	1.06e5	1.70e5	98.5	-1.5	0.624	bd

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

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	200930D2_3	100	1.28	NO	33.38	1.014	1.17e5	1.90e5	97.5	-2.5	0.618	bd
4	200930D2_4	100	1.27	NO	33.39	1.014	8.84e4	1.41e5	98.7	-1.3	0.625	bd
5	200930D2_5	100	1.28	NO	33.39	1.014	1.09e5	1.72e5	100	0.3	0.636	bd
6	200930D2_6	100	1.26	NO	33.39	1.014	1.40e5	2.03e5	109	9.2	0.692	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.724314

RRF SD: 0.022761, Relative SD: 3.14242

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	200930D2_1	100	1.29	NO	33.50	1.018	1.19e5	1.67e5	98.7	-1.3	0.715	db
2	200930D2_2	100	1.25	NO	33.51	1.017	1.21e5	1.70e5	98.0	-2.0	0.710	db
3	200930D2_3	100	1.28	NO	33.50	1.018	1.36e5	1.90e5	99.3	-0.7	0.719	db
4	200930D2_4	100	1.26	NO	33.50	1.017	1.01e5	1.41e5	98.5	-1.5	0.714	db
5	200930D2_5	100	1.28	NO	33.50	1.017	1.24e5	1.72e5	99.3	-0.7	0.719	dd
6	200930D2_6	100	1.25	NO	33.51	1.017	1.56e5	2.03e5	106	6.3	0.770	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.7157

RRF SD: 0.0260814, Relative SD: 3.64419

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	200930D2_1	100	1.25	NO	33.79	1.026	1.15e5	1.67e5	96.6	-3.4	0.691	bb
2	200930D2_2	100	1.30	NO	33.80	1.026	1.22e5	1.70e5	100	0.0	0.716	bd
3	200930D2_3	100	1.26	NO	33.78	1.026	1.34e5	1.90e5	98.7	-1.3	0.706	bb
4	200930D2_4	100	1.21	NO	33.79	1.026	9.97e4	1.41e5	98.5	-1.5	0.705	bb
5	200930D2_5	100	1.23	NO	33.79	1.026	1.22e5	1.72e5	99.2	-0.8	0.710	bb
6	200930D2_6	100	1.28	NO	33.80	1.026	1.55e5	2.03e5	107	7.1	0.766	bb

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time
 Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

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

Response Factor: 0.660425

RRF SD: 0.0212049, Relative SD: 3.21079

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	200930D2_1	100	1.09	NO	37.18	1.129	1.07e5	1.67e5	96.7	-3.3	0.639	bd
2	200930D2_2	100	1.06	NO	37.19	1.129	1.13e5	1.70e5	101	0.8	0.666	bd
3	200930D2_3	100	1.12	NO	37.17	1.129	1.22e5	1.90e5	97.4	-2.6	0.643	bd
4	200930D2_4	100	1.06	NO	37.18	1.129	9.48e4	1.41e5	101	1.5	0.670	bb
5	200930D2_5	100	1.04	NO	37.18	1.129	1.12e5	1.72e5	98.2	-1.8	0.649	bb
6	200930D2_6	100	1.06	NO	37.20	1.129	1.41e5	2.03e5	105	5.3	0.695	bb

Compound name: 13C-OCDD

Response Factor: 0.586504

RRF SD: 0.0345068, Relative SD: 5.88547

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	200930D2_1	200	0.88	NO	40.36	1.226	1.81e5	1.67e5	185	-7.4	0.543	bb
2	200930D2_2	200	0.87	NO	40.38	1.226	2.08e5	1.70e5	209	4.6	0.613	bd
3	200930D2_3	200	0.90	NO	40.36	1.226	2.10e5	1.90e5	189	-5.7	0.553	bb
4	200930D2_4	200	0.88	NO	40.37	1.226	1.63e5	1.41e5	196	-1.9	0.575	bb
5	200930D2_5	200	0.90	NO	40.38	1.226	2.08e5	1.72e5	206	3.1	0.604	bd
6	200930D2_6	200	0.91	NO	40.41	1.226	2.55e5	2.03e5	215	7.3	0.629	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.02208

RRF SD: 0.0125198, Relative SD: 1.22493

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	200930D2_1	100	0.76	NO	25.12	1.001	2.52e5	2.46e5	100	0.1	1.02	bb
2	200930D2_2	100	0.80	NO	25.13	1.000	2.58e5	2.51e5	101	0.7	1.03	bd

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

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	200930D2_3	100	0.80	NO	25.12	1.000	2.68e5	2.62e5	99.9	-0.1	1.02	bb
4	200930D2_4	100	0.78	NO	25.13	1.001	2.10e5	2.07e5	99.1	-0.9	1.01	bb
5	200930D2_5	100	0.78	NO	25.13	1.001	2.57e5	2.56e5	98.3	-1.7	1.00	bb
6	200930D2_6	100	0.77	NO	25.15	1.001	2.88e5	2.77e5	102	1.8	1.04	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.841931

RRF SD: 0.0454656, Relative SD: 5.40016

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	200930D2_1	100	1.64	NO	28.98	1.154	1.96e5	2.46e5	94.8	-5.2	0.798	bb
2	200930D2_2	100	1.58	NO	29.00	1.154	2.00e5	2.51e5	94.6	-5.4	0.797	bb
3	200930D2_3	100	1.59	NO	28.98	1.154	2.22e5	2.62e5	100	0.4	0.845	bb
4	200930D2_4	100	1.59	NO	29.00	1.154	1.79e5	2.07e5	103	3.0	0.867	bb
5	200930D2_5	100	1.62	NO	28.98	1.154	2.12e5	2.56e5	98.3	-1.7	0.828	bb
6	200930D2_6	100	1.56	NO	29.00	1.154	2.53e5	2.77e5	109	8.9	0.916	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.801596

RRF SD: 0.0468311, Relative SD: 5.84223

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	200930D2_1	100	1.62	NO	29.94	1.193	1.91e5	2.46e5	96.9	-3.1	0.777	bb
2	200930D2_2	100	1.56	NO	29.94	1.191	1.98e5	2.51e5	98.3	-1.7	0.788	bb
3	200930D2_3	100	1.68	NO	29.94	1.192	2.10e5	2.62e5	100	0.0	0.802	bb
4	200930D2_4	100	1.67	NO	29.94	1.192	1.61e5	2.07e5	97.0	-3.0	0.777	bb
5	200930D2_5	100	1.60	NO	29.94	1.192	1.98e5	2.56e5	96.2	-3.8	0.771	bb
6	200930D2_6	100	1.63	NO	29.96	1.192	2.47e5	2.77e5	112	11.6	0.895	bb

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.00275

RRF SD: 0.0328953, Relative SD: 3.28051

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	200930D2_1	100	0.50	NO	32.49	0.987	1.64e5	1.67e5	97.7	-2.3	0.980	bd
2	200930D2_2	100	0.50	NO	32.50	0.987	1.72e5	1.70e5	101	0.7	1.01	bd
3	200930D2_3	100	0.50	NO	32.48	0.987	1.84e5	1.90e5	97.0	-3.0	0.972	bd
4	200930D2_4	100	0.49	NO	32.49	0.987	1.40e5	1.41e5	98.8	-1.2	0.991	bd
5	200930D2_5	100	0.51	NO	32.49	0.987	1.72e5	1.72e5	99.7	-0.3	1.00	bd
6	200930D2_6	100	0.51	NO	32.51	0.987	2.16e5	2.03e5	106	6.1	1.06	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.01877

RRF SD: 0.0214481, Relative SD: 2.1053

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	200930D2_1	100	0.50	NO	32.63	0.991	1.66e5	1.67e5	97.7	-2.3	0.995	db
2	200930D2_2	100	0.49	NO	32.64	0.991	1.77e5	1.70e5	102	2.1	1.04	db
3	200930D2_3	100	0.49	NO	32.61	0.991	1.88e5	1.90e5	97.4	-2.6	0.992	db
4	200930D2_4	100	0.50	NO	32.63	0.991	1.45e5	1.41e5	101	0.6	1.02	db
5	200930D2_5	100	0.51	NO	32.63	0.991	1.75e5	1.72e5	100	-0.0	1.02	dd
6	200930D2_6	100	0.51	NO	32.64	0.991	2.11e5	2.03e5	102	2.3	1.04	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 0.954976

RRF SD: 0.0233865, Relative SD: 2.44891

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	200930D2_1	100	0.50	NO	33.26	1.010	1.58e5	1.67e5	98.9	-1.1	0.944	bd
2	200930D2_2	100	0.51	NO	33.27	1.010	1.61e5	1.70e5	99.2	-0.8	0.947	bd

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time
 Printed: Thursday, October 01, 2020 10:31:30 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	200930D2_3	100	0.50	NO	33.26	1.010	1.81e5	1.90e5	100	0.0	0.955	bb
4	200930D2_4	100	0.50	NO	33.27	1.010	1.35e5	1.41e5	99.6	-0.4	0.951	bb
5	200930D2_5	100	0.51	NO	33.27	1.010	1.60e5	1.72e5	97.6	-2.4	0.932	bb
6	200930D2_6	100	0.50	NO	33.28	1.010	2.03e5	2.03e5	105	4.7	1.00	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.851129
 RRF SD: 0.0371274, Relative SD: 4.36213
 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	200930D2_1	100	0.51	NO	34.27	1.041	1.36e5	1.67e5	95.7	-4.3	0.814	bb
2	200930D2_2	100	0.49	NO	34.29	1.041	1.44e5	1.70e5	99.8	-0.2	0.849	bb
3	200930D2_3	100	0.52	NO	34.27	1.041	1.55e5	1.90e5	96.0	-4.0	0.817	bd
4	200930D2_4	100	0.50	NO	34.28	1.041	1.20e5	1.41e5	99.4	-0.6	0.846	bb
5	200930D2_5	100	0.52	NO	34.28	1.041	1.49e5	1.72e5	102	1.5	0.864	bd
6	200930D2_6	100	0.50	NO	34.29	1.041	1.86e5	2.03e5	108	7.6	0.916	bb

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

Response Factor: 0.848459
 RRF SD: 0.0316015, Relative SD: 3.72458
 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	200930D2_1	100	0.43	NO	35.91	1.091	1.38e5	1.67e5	97.7	-2.3	0.829	bd
2	200930D2_2	100	0.41	NO	35.93	1.091	1.45e5	1.70e5	101	0.6	0.854	bb
3	200930D2_3	100	0.42	NO	35.91	1.091	1.54e5	1.90e5	95.9	-4.1	0.814	bb
4	200930D2_4	100	0.43	NO	35.92	1.091	1.17e5	1.41e5	97.4	-2.6	0.827	bb
5	200930D2_5	100	0.42	NO	35.92	1.091	1.49e5	1.72e5	102	2.3	0.868	bb
6	200930D2_6	100	0.42	NO	35.93	1.091	1.82e5	2.03e5	106	6.0	0.899	bb

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.624316

RRF SD: 0.0366881, Relative SD: 5.87653

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	200930D2_1	100	0.42	NO	37.83	1.149	9.84e4	1.67e5	94.4	-5.6	0.589	bb
2	200930D2_2	100	0.44	NO	37.84	1.149	1.07e5	1.70e5	100	0.5	0.627	bd
3	200930D2_3	100	0.43	NO	37.82	1.149	1.10e5	1.90e5	93.3	-6.7	0.582	bb
4	200930D2_4	100	0.41	NO	37.83	1.149	8.69e4	1.41e5	98.4	-1.6	0.615	bb
5	200930D2_5	100	0.41	NO	37.83	1.149	1.13e5	1.72e5	105	5.4	0.658	bb
6	200930D2_6	100	0.43	NO	37.84	1.149	1.37e5	2.03e5	108	8.0	0.674	bb

Compound name: 13C-OCDF

Response Factor: 0.72976

RRF SD: 0.042457, Relative SD: 5.81794

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	200930D2_1	200	0.87	NO	40.68	1.236	2.27e5	1.67e5	186	-6.8	0.680	bb
2	200930D2_2	200	0.87	NO	40.70	1.235	2.52e5	1.70e5	203	1.7	0.742	bb
3	200930D2_3	200	0.88	NO	40.68	1.236	2.61e5	1.90e5	189	-5.6	0.689	bb
4	200930D2_4	200	0.88	NO	40.69	1.236	2.04e5	1.41e5	198	-1.0	0.722	bb
5	200930D2_5	200	0.88	NO	40.69	1.236	2.58e5	1.72e5	206	2.8	0.750	bb
6	200930D2_6	200	0.90	NO	40.71	1.236	3.22e5	2.03e5	218	8.9	0.795	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.2073

RRF SD: 0.177075, Relative SD: 14.667

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	200930D2_1	0.250			25.79	1.027	3.48e2	1.48e5	0.195	-22.0	0.941	bb
2	200930D2_2	0.500			25.81	1.027	8.95e2	1.56e5	0.476	-4.9	1.15	bb

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

Compound name: 37Cl-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200930D2_3	2.00			25.81	1.027	3.83e3	1.60e5	1.99	-0.7	1.20	bb
4	200930D2_4	10.0			25.81	1.027	1.49e4	1.27e5	9.73	-2.7	1.17	bd
5	200930D2_5	40.0			25.81	1.027	8.56e4	1.64e5	43.2	8.1	1.31	bd
6	200930D2_6	200			25.82	1.027	5.12e5	1.74e5	244	22.2	1.48	bb

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 1.11022e-016, Relative SD: 1.11022e-014

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	200930D2_1	100	0.78	NO	25.10	1.000	1.48e5	1.48e5	100	-0.0	1.00	bb
2	200930D2_2	100	0.77	NO	25.13	1.000	1.56e5	1.56e5	100	0.0	1.00	bb
3	200930D2_3	100	0.78	NO	25.12	1.000	1.60e5	1.60e5	100	0.0	1.00	bb
4	200930D2_4	100	0.80	NO	25.12	1.000	1.27e5	1.27e5	100	0.0	1.00	bb
5	200930D2_5	100	0.79	NO	25.12	1.000	1.64e5	1.64e5	100	0.0	1.00	bb
6	200930D2_6	100	0.81	NO	25.13	1.000	1.74e5	1.74e5	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 1.11022e-016, Relative SD: 1.11022e-014

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	200930D2_1	100	0.79	NO	23.76	1.000	2.46e5	2.46e5	100	0.0	1.00	bb
2	200930D2_2	100	0.79	NO	23.79	1.000	2.51e5	2.51e5	100	0.0	1.00	bb
3	200930D2_3	100	0.79	NO	23.77	1.000	2.62e5	2.62e5	100	0.0	1.00	bb
4	200930D2_4	100	0.80	NO	23.77	1.000	2.07e5	2.07e5	100	-0.0	1.00	bb
5	200930D2_5	100	0.78	NO	23.77	1.000	2.56e5	2.56e5	100	0.0	1.00	bb
6	200930D2_6	100	0.77	NO	23.79	1.000	2.77e5	2.77e5	100	0.0	1.00	bb

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.50	NO	32.92	1.000	1.67e5	1.67e5	100	0.0	1.00	bb
2	200930D2_2	100	0.49	NO	32.94	1.000	1.70e5	1.70e5	100	0.0	1.00	bb
3	200930D2_3	100	0.50	NO	32.92	1.000	1.90e5	1.90e5	100	0.0	1.00	bd
4	200930D2_4	100	0.50	NO	32.93	1.000	1.41e5	1.41e5	100	0.0	1.00	bb
5	200930D2_5	100	0.50	NO	32.93	1.000	1.72e5	1.72e5	100	0.0	1.00	bb
6	200930D2_6	100	0.50	NO	32.94	1.000	2.03e5	2.03e5	100	0.0	1.00	bb

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
Calibration: U:\VG7.PRO\CurveDB\Z3_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	4.43e2	0.67	NO	1.00	1.000	25.806	25.79	1.001	1.001	0.25382	102	0.0728	0.254
2	2 1,2,3,7,8-PeCDD	1.49e3	0.62	NO	0.935	1.000	30.166	30.15	1.001	1.000	1.2082	96.7	0.0691	1.21
3	3 1,2,3,4,7,8-HxCDD	1.43e3	1.21	NO	1.15	1.000	33.393	33.40	1.000	1.001	1.2230	97.8	0.0942	1.22
4	4 1,2,3,6,7,8-HxCDD	1.43e3	1.19	NO	1.02	1.000	33.503	33.50	1.000	1.000	1.1702	93.6	0.0968	1.17
5	5 1,2,3,7,8,9-HxCDD	1.50e3	1.28	NO	1.06	1.000	33.822	33.80	1.001	1.000	1.2264	98.1	0.0981	1.23
6	6 1,2,3,4,6,7,8-HpCDD	1.19e3	0.92	NO	1.00	1.000	37.190	37.19	1.000	1.000	1.1122	89.0	0.126	1.11
7	7 OCDD	2.06e3	0.95	NO	0.952	1.000	40.361	40.38	1.000	1.001	2.3892	95.6	0.133	2.39
8	8 2,3,7,8-TCDF	7.60e2	0.79	NO	1.01	1.000	25.143	25.15	1.001	1.001	0.29805	119	0.0517	0.298
9	9 1,2,3,7,8-PeCDF	2.34e3	1.56	NO	0.998	1.000	28.998	29.00	1.001	1.001	1.1933	95.5	0.0539	1.19
10	10 2,3,4,7,8-PeCDF	2.16e3	1.58	NO	1.07	1.000	29.974	29.96	1.001	1.001	1.0532	84.3	0.0475	1.05
11	11 1,2,3,4,7,8-HxCDF	2.00e3	1.19	NO	1.05	1.000	32.494	32.50	1.000	1.000	1.1620	93.0	0.0554	1.16
12	12 1,2,3,6,7,8-HxCDF	2.15e3	1.24	NO	1.10	1.000	32.635	32.64	1.000	1.000	1.1771	94.2	0.0541	1.18
13	13 2,3,4,6,7,8-HxCDF	1.91e3	1.25	NO	1.09	1.000	33.295	33.27	1.001	1.000	1.1126	89.0	0.0620	1.11
14	14 1,2,3,7,8,9-HxCDF	1.74e3	1.20	NO	1.08	1.000	34.271	34.29	1.000	1.001	1.1851	94.8	0.0794	1.19
15	15 1,2,3,4,6,7,8-HpCDF	1.81e3	0.96	NO	1.13	1.000	35.942	35.93	1.001	1.001	1.1552	92.4	0.0711	1.16
16	16 1,2,3,4,7,8,9-HpCDF	1.49e3	1.01	NO	1.29	1.000	37.826	37.84	1.000	1.000	1.1745	94.0	0.0684	1.17
17	17 OCDF	2.42e3	0.92	NO	0.953	1.000	40.680	40.69	1.000	1.000	2.2409	89.6	0.0901	2.24
18	18 13C-2,3,7,8-TCDD	1.74e5	0.78	NO	1.17	1.000	25.755	25.77	1.026	1.027	100.51	101	0.402	
19	19 13C-1,2,3,7,8-PeCDD	1.32e5	0.62	NO	0.914	1.000	29.937	30.15	1.193	1.201	97.346	97.3	0.269	
20	20 13C-1,2,3,4,7,8-HxCDD	1.01e5	1.30	NO	0.634	1.000	33.383	33.38	1.014	1.014	95.728	95.7	0.421	
21	21 13C-1,2,3,6,7,8-HxCDD	1.19e5	1.29	NO	0.724	1.000	33.491	33.50	1.017	1.018	98.682	98.7	0.368	
22	22 13C-1,2,3,7,8,9-HxCDD	1.15e5	1.25	NO	0.716	1.000	33.758	33.79	1.025	1.026	96.579	96.6	0.373	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.07e5	1.09	NO	0.660	1.000	37.169	37.18	1.129	1.129	96.706	96.7	0.575	
24	24 13C-OCDD	1.81e5	0.88	NO	0.587	1.000	40.145	40.36	1.219	1.226	185.28	92.6	0.361	
25	25 13C-2,3,7,8-TCDF	2.52e5	0.76	NO	1.02	1.000	24.851	25.12	0.990	1.001	100.09	100	0.369	
26	26 13C-1,2,3,7,8-PeCDF	1.96e5	1.64	NO	0.842	1.000	29.011	28.98	1.156	1.154	94.839	94.8	0.310	
27	27 13C-2,3,4,7,8-PeCDF	1.91e5	1.62	NO	0.802	1.000	29.897	29.94	1.191	1.193	96.912	96.9	0.326	
28	28 13C-1,2,3,4,7,8-HxCDF	1.64e5	0.50	NO	1.00	1.000	32.527	32.49	0.988	0.987	97.726	97.7	0.445	
29	29 13C-1,2,3,6,7,8-HxCDF	1.66e5	0.50	NO	1.02	1.000	32.658	32.63	0.992	0.991	97.658	97.7	0.438	
30	30 13C-2,3,4,6,7,8-HxCDF	1.58e5	0.50	NO	0.955	1.000	33.221	33.26	1.009	1.010	98.888	98.9	0.467	
31	31 13C-1,2,3,7,8,9-HxCDF	1.36e5	0.51	NO	0.851	1.000	34.285	34.27	1.041	1.041	95.657	95.7	0.524	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.38e5	0.43	NO	0.848	1.000	35.786	35.91	1.087	1.091	97.740	97.7	0.497	
33	33 13C-1,2,3,4,7,8,9-HpCDF	9.84e4	0.42	NO	0.624	1.000	37.761	37.83	1.147	1.149	94.399	94.4	0.675	
34	34 13C-OCDF	2.27e5	0.87	NO	0.730	1.000	40.296	40.68	1.224	1.236	186.36	93.2	0.394	
35	35 37Cl-2,3,7,8-TCDD	3.48e2			1.21	1.000	25.752	25.79	1.026	1.027	0.19492	78.0	0.0690	
36	36 13C-1,2,3,4-TCDD	1.48e5	0.78	NO	1.00	1.000	25.260	25.10	1.000	1.000	100.00	100	0.471	
37	37 13C-1,2,3,4-TCDF	2.46e5	0.79	NO	1.00	1.000	23.930	23.76	1.000	1.000	100.00	100	0.377	
38	38 13C-1,2,3,4,6,9-HxCDF	1.67e5	0.50	NO	1.00	1.000	32.990	32.92	1.000	1.000	100.00	100	0.446	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

#	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	8.87e2	0.78	NO	1.00	1.000	25.821	25.82	1.001	1.001	0.50055	100	0.0605	0.501
2	2 1,2,3,7,8-PeCDD	2.83e3	0.66	NO	0.935	1.000	30.166	30.17	1.001	1.001	2.1217	84.9	0.0704	2.12
3	3 1,2,3,4,7,8-HxCDD	2.77e3	1.42	NO	1.15	1.000	33.404	33.40	1.000	1.000	2.2660	90.6	0.138	2.27
4	4 1,2,3,6,7,8-HxCDD	2.93e3	1.19	NO	1.02	1.000	33.514	33.53	1.000	1.000	2.3742	95.0	0.153	2.37
5	5 1,2,3,7,8,9-HxCDD	2.90e3	1.26	NO	1.06	1.000	33.833	33.81	1.001	1.000	2.2497	90.0	0.161	2.25
6	6 1,2,3,4,6,7,8-HpCDD	2.68e3	0.95	NO	1.00	1.000	37.201	37.20	1.000	1.000	2.3665	94.7	0.0876	2.37
7	7 OCDD	4.26e3	0.84	NO	0.952	1.000	40.383	40.39	1.000	1.000	4.3012	86.0	0.144	4.30
8	8 2,3,7,8-TCDF	1.27e3	0.76	NO	1.01	1.000	25.158	25.16	1.001	1.001	0.48435	96.9	0.0533	0.484
9	9 1,2,3,7,8-PeCDF	4.41e3	1.49	NO	0.998	1.000	29.018	29.02	1.001	1.001	2.2113	88.5	0.0589	2.21
10	10 2,3,4,7,8-PeCDF	4.71e3	1.60	NO	1.07	1.000	29.974	29.96	1.001	1.001	2.2165	88.7	0.0554	2.22
11	11 1,2,3,4,7,8-HxCDF	3.98e3	1.29	NO	1.05	1.000	32.505	32.52	1.000	1.000	2.2085	88.3	0.0509	2.21
12	12 1,2,3,6,7,8-HxCDF	4.33e3	1.33	NO	1.10	1.000	32.646	32.65	1.000	1.000	2.2276	89.1	0.0487	2.23
13	13 2,3,4,6,7,8-HxCDF	3.96e3	1.28	NO	1.09	1.000	33.306	33.28	1.001	1.000	2.2609	90.4	0.0596	2.26
14	14 1,2,3,7,8,9-HxCDF	3.56e3	1.35	NO	1.08	1.000	34.293	34.30	1.000	1.000	2.2843	91.4	0.0732	2.28
15	15 1,2,3,4,6,7,8-HpCDF	3.59e3	1.10	NO	1.13	1.000	35.964	35.95	1.001	1.001	2.1875	87.5	0.0754	2.19
16	16 1,2,3,4,7,8,9-HpCDF	2.96e3	1.11	NO	1.29	1.000	37.838	37.85	1.000	1.000	2.1582	86.3	0.0750	2.16
17	17 OCDF	5.45e3	0.88	NO	0.953	1.000	40.701	40.71	1.000	1.000	4.5423	90.8	0.0888	4.54
18	18 13C-2,3,7,8-TCDD	1.77e5	0.78	NO	1.17	1.000	25.786	25.79	1.026	1.026	96.769	96.8	0.372	
19	19 13C-1,2,3,7,8-PeCDD	1.43e5	0.61	NO	0.914	1.000	29.974	30.15	1.193	1.199	100.22	100	0.199	
20	20 13C-1,2,3,4,7,8-HxCDD	1.06e5	1.29	NO	0.634	1.000	33.405	33.39	1.014	1.014	98.510	98.5	0.441	
21	21 13C-1,2,3,6,7,8-HxCDD	1.21e5	1.25	NO	0.724	1.000	33.514	33.51	1.017	1.017	97.961	98.0	0.386	
22	22 13C-1,2,3,7,8,9-HxCDD	1.22e5	1.30	NO	0.716	1.000	33.780	33.80	1.025	1.026	100.00	100	0.390	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.13e5	1.06	NO	0.660	1.000	37.193	37.19	1.129	1.129	100.83	101	0.613	
24	24 13C-OCDD	2.08e5	0.87	NO	0.587	1.000	40.172	40.38	1.219	1.226	209.10	105	0.471	
25	25 13C-2,3,7,8-TCDF	2.58e5	0.80	NO	1.02	1.000	24.882	25.13	0.990	1.000	100.73	101	0.338	
26	26 13C-1,2,3,7,8-PeCDF	2.00e5	1.58	NO	0.842	1.000	29.046	29.00	1.156	1.154	94.617	94.6	0.364	
27	27 13C-2,3,4,7,8-PeCDF	1.98e5	1.56	NO	0.802	1.000	29.933	29.94	1.191	1.191	98.287	98.3	0.382	
28	28 13C-1,2,3,4,7,8-HxCDF	1.72e5	0.50	NO	1.00	1.000	32.548	32.50	0.988	0.987	100.71	101	0.407	
29	29 13C-1,2,3,6,7,8-HxCDF	1.77e5	0.49	NO	1.02	1.000	32.680	32.64	0.992	0.991	102.10	102	0.401	
30	30 13C-2,3,4,6,7,8-HxCDF	1.61e5	0.51	NO	0.955	1.000	33.243	33.27	1.009	1.010	99.175	99.2	0.428	
31	31 13C-1,2,3,7,8,9-HxCDF	1.44e5	0.49	NO	0.851	1.000	34.308	34.29	1.041	1.041	99.754	99.8	0.480	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.45e5	0.41	NO	0.848	1.000	35.810	35.93	1.087	1.091	100.64	101	0.494	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.07e5	0.44	NO	0.624	1.000	37.786	37.84	1.147	1.149	100.46	100	0.671	
34	34 13C-OCDF	2.52e5	0.87	NO	0.730	1.000	40.323	40.70	1.224	1.235	203.36	102	0.391	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	8.95e2			1.21	1.000	25.784	25.81	1.026	1.027	0.47558	95.1	0.0525	
36	36 13C-1,2,3,4-TCDD	1.56e5	0.77	NO	1.00	1.000	25.260	25.13	1.000	1.000	100.00	100	0.436	
37	37 13C-1,2,3,4-TCDF	2.51e5	0.79	NO	1.00	1.000	23.930	23.79	1.000	1.000	100.00	100	0.345	
38	38 13C-1,2,3,4,6,9-HxCDF	1.70e5	0.49	NO	1.00	1.000	32.990	32.94	1.000	1.000	100.00	100	0.408	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

	# 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	3.35e3	0.80	NO	1.00	1.000	25.806	25.79	1.001	1.001	1.7454	87.3	0.0590	1.75
2	2 1,2,3,7,8-PeCDD	1.29e4	0.59	NO	0.935	1.000	30.166	30.15	1.001	1.000	8.9436	89.4	0.0709	8.94
3	3 1,2,3,4,7,8-HxCDD	1.21e4	1.33	NO	1.15	1.000	33.393	33.39	1.000	1.000	8.9337	89.3	0.114	8.93
4	4 1,2,3,6,7,8-HxCDD	1.28e4	1.26	NO	1.02	1.000	33.503	33.51	1.000	1.000	9.1556	91.6	0.120	9.16
5	5 1,2,3,7,8,9-HxCDD	1.28e4	1.33	NO	1.06	1.000	33.811	33.79	1.001	1.000	9.0082	90.1	0.115	9.01
6	6 1,2,3,4,6,7,8-HpCDD	1.09e4	1.04	NO	1.00	1.000	37.179	37.18	1.000	1.000	8.9356	89.4	0.134	8.94
7	7 OCDD	1.88e4	0.91	NO	0.952	1.000	40.361	40.37	1.000	1.000	18.794	94.0	0.105	18.8
8	8 2,3,7,8-TCDF	4.49e3	0.74	NO	1.01	1.000	25.143	25.15	1.001	1.001	1.6566	82.8	0.0457	1.66
9	9 1,2,3,7,8-PeCDF	2.02e4	1.59	NO	0.998	1.000	28.998	29.00	1.001	1.001	9.1384	91.4	0.0784	9.14
10	10 2,3,4,7,8-PeCDF	2.12e4	1.62	NO	1.07	1.000	29.974	29.96	1.001	1.001	9.3871	93.9	0.0692	9.39
11	11 1,2,3,4,7,8-HxCDF	1.75e4	1.25	NO	1.05	1.000	32.483	32.50	1.000	1.001	9.0042	90.0	0.0728	9.00
12	12 1,2,3,6,7,8-HxCDF	1.87e4	1.24	NO	1.10	1.000	32.624	32.64	1.000	1.001	9.0344	90.3	0.0761	9.03
13	13 2,3,4,6,7,8-HxCDF	1.77e4	1.26	NO	1.09	1.000	33.295	33.28	1.001	1.001	8.9732	89.7	0.0765	8.97
14	14 1,2,3,7,8,9-HxCDF	1.49e4	1.23	NO	1.08	1.000	34.271	34.29	1.000	1.001	8.8694	88.7	0.111	8.87
15	15 1,2,3,4,6,7,8-HpCDF	1.52e4	0.98	NO	1.13	1.000	35.942	35.92	1.001	1.000	8.7232	87.2	0.121	8.72
16	16 1,2,3,4,7,8,9-HpCDF	1.31e4	1.04	NO	1.29	1.000	37.816	37.83	1.000	1.000	9.1888	91.9	0.123	9.19
17	17 OCDF	2.28e4	0.87	NO	0.953	1.000	40.680	40.69	1.000	1.000	18.281	91.4	0.0889	18.3
18	18 13C-2,3,7,8-TCDD	1.92e5	0.75	NO	1.17	1.000	25.771	25.78	1.026	1.026	102.22	102	0.316	
19	19 13C-1,2,3,7,8-PeCDD	1.55e5	0.63	NO	0.914	1.000	29.955	30.15	1.193	1.200	105.86	106	0.332	
20	20 13C-1,2,3,4,7,8-HxCDD	1.17e5	1.28	NO	0.634	1.000	33.383	33.38	1.014	1.014	97.531	97.5	0.351	
21	21 13C-1,2,3,6,7,8-HxCDD	1.36e5	1.28	NO	0.724	1.000	33.491	33.50	1.017	1.018	99.251	99.3	0.307	
22	22 13C-1,2,3,7,8,9-HxCDD	1.34e5	1.26	NO	0.716	1.000	33.758	33.78	1.025	1.026	98.689	98.7	0.310	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.22e5	1.12	NO	0.660	1.000	37.169	37.17	1.129	1.129	97.425	97.4	0.540	
24	24 13C-OCDD	2.10e5	0.90	NO	0.587	1.000	40.145	40.36	1.219	1.226	188.69	94.3	0.406	
25	25 13C-2,3,7,8-TCDF	2.68e5	0.80	NO	1.02	1.000	24.866	25.12	0.990	1.000	99.924	99.9	0.356	
26	26 13C-1,2,3,7,8-PeCDF	2.22e5	1.59	NO	0.842	1.000	29.028	28.98	1.156	1.154	100.40	100	0.366	
27	27 13C-2,3,4,7,8-PeCDF	2.10e5	1.68	NO	0.802	1.000	29.915	29.94	1.191	1.192	100.05	100	0.385	
28	28 13C-1,2,3,4,7,8-HxCDF	1.84e5	0.50	NO	1.00	1.000	32.527	32.48	0.988	0.987	96.954	97.0	0.452	
29	29 13C-1,2,3,6,7,8-HxCDF	1.88e5	0.49	NO	1.02	1.000	32.658	32.61	0.992	0.991	97.404	97.4	0.445	
30	30 13C-2,3,4,6,7,8-HxCDF	1.81e5	0.50	NO	0.955	1.000	33.221	33.26	1.009	1.010	100.01	100	0.475	
31	31 13C-1,2,3,7,8,9-HxCDF	1.55e5	0.52	NO	0.851	1.000	34.285	34.27	1.041	1.041	96.035	96.0	0.532	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.54e5	0.42	NO	0.848	1.000	35.786	35.91	1.087	1.091	95.936	95.9	0.449	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.10e5	0.43	NO	0.624	1.000	37.761	37.82	1.147	1.149	93.270	93.3	0.610	
34	34 13C-OCDF	2.61e5	0.88	NO	0.730	1.000	40.296	40.68	1.224	1.236	188.84	94.4	0.327	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	3.83e3			1.21	1.000	25.768	25.81	1.026	1.027	1.9864	99.3	0.0538	
36	36 13C-1,2,3,4-TCDD	1.60e5	0.78	NO	1.00	1.000	25.260	25.12	1.000	1.000	100.00	100	0.370	
37	37 13C-1,2,3,4-TCDF	2.62e5	0.79	NO	1.00	1.000	23.930	23.77	1.000	1.000	100.00	100	0.363	
38	38 13C-1,2,3,4,6,9-HxCDF	1.90e5	0.50	NO	1.00	1.000	32.990	32.92	1.000	1.000	100.00	100	0.453	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

	# 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	1.39e4	0.77	NO	1.00	1.000	25.821	25.81	1.001	1.001	9.5080	95.1	0.111	9.51
2	2 1,2,3,7,8-PeCDD	5.42e4	0.59	NO	0.935	1.000	30.166	30.17	1.001	1.001	49.698	99.4	0.181	49.7
3	3 1,2,3,4,7,8-HxCDD	5.14e4	1.26	NO	1.15	1.000	33.404	33.40	1.000	1.000	50.422	101	0.242	50.4
4	4 1,2,3,6,7,8-HxCDD	5.15e4	1.26	NO	1.02	1.000	33.503	33.53	1.000	1.001	49.826	99.7	0.270	49.8
5	5 1,2,3,7,8,9-HxCDD	5.21e4	1.29	NO	1.06	1.000	33.822	33.80	1.001	1.000	49.221	98.4	0.250	49.2
6	6 1,2,3,4,6,7,8-HpCDD	4.59e4	1.05	NO	1.00	1.000	37.190	37.19	1.000	1.000	48.395	96.8	0.334	48.4
7	7 OCDD	7.84e4	0.91	NO	0.952	1.000	40.372	40.39	1.000	1.001	101.14	101	0.308	101
8	8 2,3,7,8-TCDF	1.88e4	0.74	NO	1.01	1.000	25.158	25.16	1.001	1.001	8.8783	88.8	0.0922	8.88
9	9 1,2,3,7,8-PeCDF	8.94e4	1.63	NO	0.998	1.000	29.019	29.00	1.001	1.000	49.989	100	0.142	50.0
10	10 2,3,4,7,8-PeCDF	8.96e4	1.62	NO	1.07	1.000	29.974	29.96	1.001	1.001	51.857	104	0.130	51.9
11	11 1,2,3,4,7,8-HxCDF	7.44e4	1.27	NO	1.05	1.000	32.494	32.50	1.000	1.000	50.500	101	0.220	50.5
12	12 1,2,3,6,7,8-HxCDF	7.93e4	1.26	NO	1.10	1.000	32.635	32.64	1.000	1.000	49.738	99.5	0.206	49.7
13	13 2,3,4,6,7,8-HxCDF	7.34e4	1.23	NO	1.09	1.000	33.306	33.28	1.001	1.000	50.165	100	0.237	50.2
14	14 1,2,3,7,8,9-HxCDF	6.56e4	1.26	NO	1.08	1.000	34.282	34.29	1.000	1.000	50.648	101	0.288	50.6
15	15 1,2,3,4,6,7,8-HpCDF	6.77e4	1.02	NO	1.13	1.000	35.953	35.94	1.001	1.001	51.219	102	0.334	51.2
16	16 1,2,3,4,7,8,9-HpCDF	5.55e4	1.02	NO	1.29	1.000	37.827	37.84	1.000	1.000	49.634	99.3	0.356	49.6
17	17 OCDF	9.70e4	0.90	NO	0.953	1.000	40.690	40.71	1.000	1.001	99.596	99.6	0.263	99.6
18	18 13C-2,3,7,8-TCDD	1.46e5	0.79	NO	1.17	1.000	25.771	25.79	1.026	1.027	97.942	97.9	0.382	
19	19 13C-1,2,3,7,8-PeCDD	1.17e5	0.63	NO	0.914	1.000	29.955	30.15	1.193	1.200	100.61	101	0.290	
20	20 13C-1,2,3,4,7,8-HxCDD	8.84e4	1.27	NO	0.634	1.000	33.394	33.39	1.014	1.014	98.658	98.7	0.415	
21	21 13C-1,2,3,6,7,8-HxCDD	1.01e5	1.26	NO	0.724	1.000	33.503	33.50	1.017	1.017	98.518	98.5	0.363	
22	22 13C-1,2,3,7,8,9-HxCDD	9.97e4	1.21	NO	0.716	1.000	33.769	33.79	1.025	1.026	98.480	98.5	0.367	
23	23 13C-1,2,3,4,6,7,8-HpCDD	9.48e4	1.06	NO	0.660	1.000	37.181	37.18	1.129	1.129	101.49	101	0.587	
24	24 13C-OCDD	1.63e5	0.88	NO	0.587	1.000	40.158	40.37	1.219	1.226	196.23	98.1	0.349	
25	25 13C-2,3,7,8-TCDF	2.10e5	0.78	NO	1.02	1.000	24.866	25.13	0.990	1.001	99.133	99.1	0.390	
26	26 13C-1,2,3,7,8-PeCDF	1.79e5	1.59	NO	0.842	1.000	29.028	29.00	1.156	1.154	102.97	103	0.440	
27	27 13C-2,3,4,7,8-PeCDF	1.61e5	1.67	NO	0.802	1.000	29.915	29.94	1.191	1.192	96.981	97.0	0.462	
28	28 13C-1,2,3,4,7,8-HxCDF	1.40e5	0.49	NO	1.00	1.000	32.538	32.49	0.988	0.987	98.799	98.8	0.562	
29	29 13C-1,2,3,6,7,8-HxCDF	1.45e5	0.50	NO	1.02	1.000	32.669	32.63	0.992	0.991	100.59	101	0.554	
30	30 13C-2,3,4,6,7,8-HxCDF	1.35e5	0.50	NO	0.955	1.000	33.233	33.27	1.009	1.010	99.579	99.6	0.591	
31	31 13C-1,2,3,7,8,9-HxCDF	1.20e5	0.50	NO	0.851	1.000	34.296	34.28	1.041	1.041	99.429	99.4	0.663	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.17e5	0.43	NO	0.848	1.000	35.798	35.92	1.087	1.091	97.444	97.4	0.468	
33	33 13C-1,2,3,4,7,8,9-HpCDF	8.69e4	0.41	NO	0.624	1.000	37.774	37.83	1.147	1.149	98.450	98.4	0.635	
34	34 13C-OCDF	2.04e5	0.88	NO	0.730	1.000	40.310	40.69	1.224	1.236	197.95	99.0	0.428	

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	1.49e4			1.21	1.000	25.768	25.81	1.026	1.027	9.7292	97.3	0.0917	
36	36 13C-1,2,3,4-TCDD	1.27e5	0.80	NO	1.00	1.000	25.260	25.12	1.000	1.000	100.00	100	0.448	
37	37 13C-1,2,3,4-TCDF	2.07e5	0.80	NO	1.00	1.000	23.930	23.77	1.000	1.000	100.00	100	0.399	
38	38 13C-1,2,3,4,6,9-HxCDF	1.41e5	0.50	NO	1.00	1.000	32.990	32.93	1.000	1.000	100.00	100	0.564	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

#	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	7.37e4	0.76	NO	1.00	1.000	25.806	25.81	1.001	1.001	38.854	97.1	0.0708	38.9
2	2 1,2,3,7,8-PeCDD	2.74e5	0.60	NO	0.935	1.000	30.167	30.17	1.001	1.001	221.90	111	0.133	222
3	3 1,2,3,4,7,8-HxCDD	2.76e5	1.29	NO	1.15	1.000	33.404	33.40	1.000	1.000	219.24	110	0.210	219
4	4 1,2,3,6,7,8-HxCDD	2.74e5	1.23	NO	1.02	1.000	33.504	33.53	1.000	1.001	216.34	108	0.225	216
5	5 1,2,3,7,8,9-HxCDD	2.84e5	1.25	NO	1.06	1.000	33.823	33.81	1.001	1.001	219.54	110	0.229	220
6	6 1,2,3,4,6,7,8-HpCDD	2.47e5	1.04	NO	1.00	1.000	37.191	37.20	1.000	1.001	221.28	111	0.516	221
7	7 OCDD	4.22e5	0.90	NO	0.952	1.000	40.384	40.39	1.000	1.000	426.28	107	0.374	426
8	8 2,3,7,8-TCDF	1.04e5	0.77	NO	1.01	1.000	25.158	25.15	1.001	1.001	39.830	99.6	0.0601	39.8
9	9 1,2,3,7,8-PeCDF	4.62e5	1.61	NO	0.998	1.000	28.999	29.00	1.001	1.001	218.35	109	0.201	218
10	10 2,3,4,7,8-PeCDF	4.79e5	1.60	NO	1.07	1.000	29.974	29.96	1.001	1.001	225.85	113	0.162	226
11	11 1,2,3,4,7,8-HxCDF	4.05e5	1.25	NO	1.05	1.000	32.494	32.51	1.000	1.000	223.95	112	0.297	224
12	12 1,2,3,6,7,8-HxCDF	4.22e5	1.24	NO	1.10	1.000	32.636	32.64	1.000	1.000	219.12	110	0.284	219
13	13 2,3,4,6,7,8-HxCDF	3.94e5	1.24	NO	1.09	1.000	33.306	33.29	1.001	1.001	225.95	113	0.334	226
14	14 1,2,3,7,8,9-HxCDF	3.46e5	1.29	NO	1.08	1.000	34.283	34.29	1.000	1.000	215.45	108	0.399	215
15	15 1,2,3,4,6,7,8-HpCDF	3.79e5	1.04	NO	1.13	1.000	35.954	35.94	1.001	1.001	224.59	112	0.460	225
16	16 1,2,3,4,7,8,9-HpCDF	3.19e5	1.03	NO	1.29	1.000	37.827	37.84	1.000	1.000	219.44	110	0.460	219
17	17 OCDF	5.52e5	0.89	NO	0.953	1.000	40.691	40.71	1.000	1.001	449.43	112	0.339	449
18	18 13C-2,3,7,8-TCDD	1.89e5	0.79	NO	1.17	1.000	25.771	25.78	1.026	1.026	98.388	98.4	0.296	
19	19 13C-1,2,3,7,8-PeCDD	1.32e5	0.63	NO	0.914	1.000	29.956	30.15	1.193	1.200	88.219	88.2	0.204	
20	20 13C-1,2,3,4,7,8-HxCDD	1.09e5	1.28	NO	0.634	1.000	33.394	33.39	1.014	1.014	100.34	100	0.403	
21	21 13C-1,2,3,6,7,8-HxCDD	1.24e5	1.28	NO	0.724	1.000	33.503	33.50	1.017	1.017	99.250	99.3	0.353	
22	22 13C-1,2,3,7,8,9-HxCDD	1.22e5	1.23	NO	0.716	1.000	33.769	33.79	1.025	1.026	99.176	99.2	0.357	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.12e5	1.04	NO	0.660	1.000	37.181	37.18	1.129	1.129	98.247	98.2	0.525	
24	24 13C-OCDD	2.08e5	0.90	NO	0.587	1.000	40.159	40.38	1.219	1.226	206.10	103	0.403	
25	25 13C-2,3,7,8-TCDF	2.57e5	0.78	NO	1.02	1.000	24.867	25.13	0.990	1.001	98.299	98.3	0.313	
26	26 13C-1,2,3,7,8-PeCDF	2.12e5	1.62	NO	0.842	1.000	29.029	28.98	1.156	1.154	98.319	98.3	0.497	
27	27 13C-2,3,4,7,8-PeCDF	1.98e5	1.60	NO	0.802	1.000	29.915	29.94	1.191	1.192	96.177	96.2	0.522	
28	28 13C-1,2,3,4,7,8-HxCDF	1.72e5	0.51	NO	1.00	1.000	32.538	32.49	0.988	0.987	99.701	99.7	0.382	
29	29 13C-1,2,3,6,7,8-HxCDF	1.75e5	0.51	NO	1.02	1.000	32.670	32.63	0.992	0.991	99.974	100	0.376	
30	30 13C-2,3,4,6,7,8-HxCDF	1.60e5	0.51	NO	0.955	1.000	33.233	33.27	1.009	1.010	97.627	97.6	0.401	
31	31 13C-1,2,3,7,8,9-HxCDF	1.49e5	0.52	NO	0.851	1.000	34.296	34.28	1.041	1.041	101.52	102	0.450	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.49e5	0.42	NO	0.848	1.000	35.798	35.92	1.087	1.091	102.27	102	0.410	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.13e5	0.41	NO	0.624	1.000	37.774	37.83	1.147	1.149	105.42	105	0.557	
34	34 13C-OCDF	2.58e5	0.88	NO	0.730	1.000	40.310	40.69	1.224	1.236	205.63	103	0.367	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	8.56e4			1.21	1.000	25.768	25.81	1.026	1.027	43.240	108	0.0718	
36	36 13C-1,2,3,4-TCDD	1.64e5	0.79	NO	1.00	1.000	25.260	25.12	1.000	1.000	100.00	100	0.348	
37	37 13C-1,2,3,4-TCDF	2.56e5	0.78	NO	1.00	1.000	23.930	23.77	1.000	1.000	100.00	100	0.319	
38	38 13C-1,2,3,4,6,9-HxCDF	1.72e5	0.50	NO	1.00	1.000	32.990	32.93	1.000	1.000	100.00	100	0.383	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

#	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	7.58e5	0.78	NO	1.00	1.000	25.837	25.82	1.001	1.001	356.63	119	0.0966	357
2	2 1,2,3,7,8-PeCDD	2.85e6	0.62	NO	0.935	1.000	30.167	30.17	1.001	1.001	1780.4	119	0.172	1780
3	3 1,2,3,4,7,8-HxCDD	2.71e6	1.27	NO	1.15	1.000	33.404	33.42	1.000	1.001	1675.8	112	0.517	1680
4	4 1,2,3,6,7,8-HxCDD	2.69e6	1.28	NO	1.02	1.000	33.514	33.54	1.000	1.001	1680.7	112	0.531	1680
5	5 1,2,3,7,8,9-HxCDD	2.81e6	1.28	NO	1.06	1.000	33.834	33.82	1.001	1.001	1704.1	114	0.514	1700
6	6 1,2,3,4,6,7,8-HpCDD	2.53e6	1.04	NO	1.00	1.000	37.212	37.21	1.000	1.000	1793.7	120	1.10	1790
7	7 OCDD	4.25e6	0.91	NO	0.952	1.000	40.405	40.42	1.000	1.000	3501.8	117	0.640	3500
8	8 2,3,7,8-TCDF	9.86e5	0.76	NO	1.01	1.000	25.173	25.16	1.001	1.001	338.16	113	0.0928	338
9	9 1,2,3,7,8-PeCDF	4.38e6	1.61	NO	0.998	1.000	29.019	29.02	1.001	1.001	1733.2	116	0.290	1730
10	10 2,3,4,7,8-PeCDF	4.65e6	1.58	NO	1.07	1.000	29.994	29.96	1.001	1.000	1748.5	117	0.254	1750
11	11 1,2,3,4,7,8-HxCDF	3.93e6	1.26	NO	1.05	1.000	32.505	32.52	1.000	1.000	1735.3	116	0.598	1740
12	12 1,2,3,6,7,8-HxCDF	4.09e6	1.24	NO	1.10	1.000	32.646	32.65	1.000	1.000	1760.3	117	0.578	1760
13	13 2,3,4,6,7,8-HxCDF	3.89e6	1.24	NO	1.09	1.000	33.317	33.29	1.001	1.000	1762.8	118	0.677	1760
14	14 1,2,3,7,8,9-HxCDF	3.50e6	1.25	NO	1.08	1.000	34.293	34.30	1.000	1.000	1741.6	116	0.787	1740
15	15 1,2,3,4,6,7,8-HpCDF	3.65e6	1.03	NO	1.13	1.000	35.964	35.95	1.001	1.001	1771.8	118	1.17	1770
16	16 1,2,3,4,7,8,9-HpCDF	3.13e6	1.03	NO	1.29	1.000	37.838	37.86	1.000	1.001	1782.6	119	1.19	1780
17	17 OCDF	5.35e6	0.90	NO	0.953	1.000	40.713	40.73	1.000	1.001	3484.8	116	0.570	3480
18	18 13C-2,3,7,8-TCDD	2.12e5	0.79	NO	1.17	1.000	25.786	25.81	1.026	1.027	104.16	104	0.286	
19	19 13C-1,2,3,7,8-PeCDD	1.71e5	0.64	NO	0.914	1.000	29.974	30.15	1.193	1.199	107.75	108	0.215	
20	20 13C-1,2,3,4,7,8-HxCDD	1.40e5	1.26	NO	0.634	1.000	33.405	33.39	1.014	1.014	109.23	109	0.282	
21	21 13C-1,2,3,6,7,8-HxCDD	1.56e5	1.25	NO	0.724	1.000	33.514	33.51	1.017	1.017	106.34	106	0.247	
22	22 13C-1,2,3,7,8,9-HxCDD	1.55e5	1.28	NO	0.716	1.000	33.781	33.80	1.025	1.026	107.07	107	0.250	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.41e5	1.06	NO	0.660	1.000	37.194	37.20	1.129	1.129	105.30	105	0.429	
24	24 13C-OCDD	2.55e5	0.91	NO	0.587	1.000	40.172	40.41	1.219	1.226	214.60	107	0.280	
25	25 13C-2,3,7,8-TCDF	2.88e5	0.77	NO	1.02	1.000	24.882	25.15	0.990	1.001	101.82	102	0.296	
26	26 13C-1,2,3,7,8-PeCDF	2.53e5	1.56	NO	0.842	1.000	29.046	29.00	1.156	1.154	108.85	109	0.302	
27	27 13C-2,3,4,7,8-PeCDF	2.47e5	1.63	NO	0.802	1.000	29.933	29.96	1.191	1.192	111.60	112	0.317	
28	28 13C-1,2,3,4,7,8-HxCDF	2.16e5	0.51	NO	1.00	1.000	32.549	32.51	0.988	0.987	106.11	106	0.327	
29	29 13C-1,2,3,6,7,8-HxCDF	2.11e5	0.51	NO	1.02	1.000	32.680	32.64	0.992	0.991	102.28	102	0.322	
30	30 13C-2,3,4,6,7,8-HxCDF	2.03e5	0.50	NO	0.955	1.000	33.244	33.28	1.009	1.010	104.72	105	0.344	
31	31 13C-1,2,3,7,8,9-HxCDF	1.86e5	0.50	NO	0.851	1.000	34.308	34.29	1.041	1.041	107.61	108	0.386	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.82e5	0.42	NO	0.848	1.000	35.810	35.93	1.087	1.091	105.97	106	0.366	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.37e5	0.43	NO	0.624	1.000	37.787	37.84	1.147	1.149	108.00	108	0.497	
34	34 13C-OCDF	3.22e5	0.90	NO	0.730	1.000	40.323	40.71	1.224	1.236	217.87	109	0.278	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	5.12e5			1.21	1.000	25.784	25.82	1.026	1.027	244.41	122	0.0655	
36	36 13C-1,2,3,4-TCDD	1.74e5	0.81	NO	1.00	1.000	25.260	25.13	1.000	1.000	100.00	100	0.335	
37	37 13C-1,2,3,4-TCDF	2.77e5	0.77	NO	1.00	1.000	23.930	23.79	1.000	1.000	100.00	100	0.302	
38	38 13C-1,2,3,4,6,9-HxCDF	2.03e5	0.50	NO	1.00	1.000	32.990	32.94	1.000	1.000	100.00	100	0.328	

Dataset: Untitled

Last Altered: Thursday, October 01, 2020 10:37:09 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:37:36 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 22 Sep 2020 09:44:55

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	RT
1	1,3,6,8-TCDD (First)	22.41
2	1,2,8,9-TCDD (Last)	26.63
3	1,2,4,7,9-PeCDD (First)	28.07
4	1,2,3,8,9-PeCDD (Last)	30.51
5	1,2,4,6,7,9-HxCDD (First)	31.78
6	1,2,3,7,8,9-HxCDD (Last)	33.80
7	1,2,3,4,6,7,9-HpCDD (First)	36.29
8	1,2,3,4,6,7,8-HpCDD (Last)	37.19
9	1,3,6,8-TCDF (First)	20.29
10	1,2,8,9-TCDF (Last)	26.91
11	1,3,4,6,8-PeCDF (First)	26.55
12	1,2,3,8,9-PeCDF (Last)	30.83
13	1,2,3,4,6,8-HxCDF (First)	31.26
14	1,2,3,7,8,9-HxCDF (Last)	34.29
15	1,2,3,4,6,7,8-HpCDF (First)	35.94
16	1,2,3,4,7,8,9-HpCDF (Last)	37.84

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Thursday, October 01, 2020 10:38:02 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:38:09 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

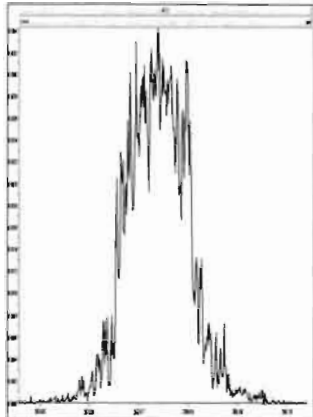
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200930D2_1	ST200930D2-1 1613 CS0 20F1102	30-Sep-20	12:06:04
2	200930D2_2	ST200930D2-2 1613 CS1 20F1103	30-Sep-20	12:51:13
3	200930D2_3	ST200930D2-3 1613 CS2 20F1104	30-Sep-20	13:37:23
4	200930D2_4	ST200930D2-4 1613 CS3 20F1105	30-Sep-20	14:23:39
5	200930D2_5	ST200930D2-5 1613 CS4 20F1106	30-Sep-20	15:49:01
6	200930D2_6	ST200930D2-6 1613 CS5 20F1107	30-Sep-20	16:35:44
7	200930D2_7	SOLVENT BLANK	30-Sep-20	17:21:53
8	200930D2_8	SS200930D2-1 1613 SSS 20F1108	30-Sep-20	18:08:02
9	200930D2_9	QC200930D2-1 TCDF CPSM	30-Sep-20	18:54:11
10	200930D2_10	B0I0193-BS1 OPR 10	30-Sep-20	19:40:20
11	200930D2_11	SOLVENT BLANK	30-Sep-20	20:26:29
12	200930D2_12	B0I0193-BLK1 Method Blank 10	30-Sep-20	21:11:54
13	200930D2_13	2002003-01 PDI-018SC-A-00-01-190926 10.15	30-Sep-20	21:57:18
14	200930D2_14	2002003-02 PDI-018SC-A-01-02-190926 11.65	30-Sep-20	22:43:26
15	200930D2_15	2002003-03 PDI-018SC-A-02-03-190926 10.16	30-Sep-20	23:29:40
16	200930D2_16	2002003-04 PDI-018SC-A-03-04-190926 11.5	01-Oct-20	00:15:48
17	200930D2_17	2002003-05 PDI-018SC-A-04-05-190926 10.06	01-Oct-20	01:01:11
18	200930D2_18	2002003-06 PDI-018SC-A-05-06-190926 10.33	01-Oct-20	01:46:37

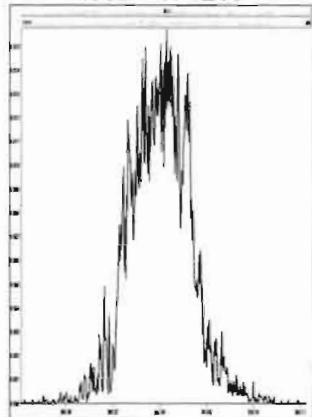
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, September 30, 2020 12:01:52 Pacific Daylight Time

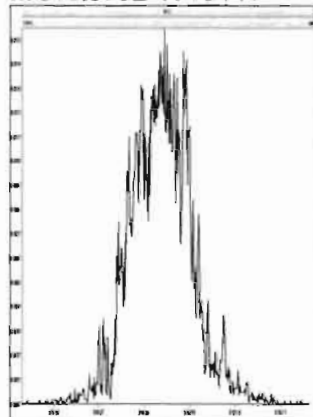
M 292.9824 R 12884



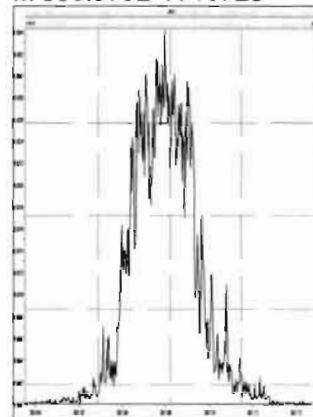
M 304.9824 R 12191



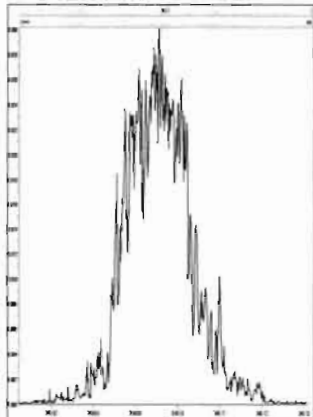
M 318.9792 R 13441



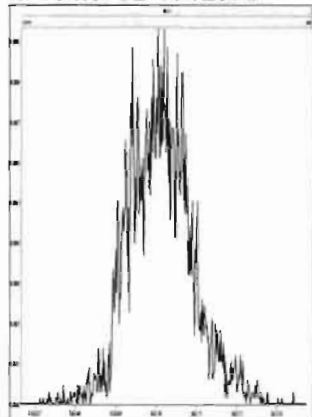
M 330.9792 R 10728



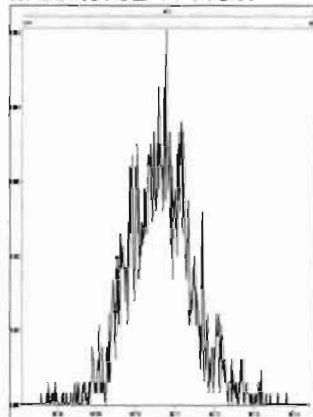
M 342.9792 R 11907



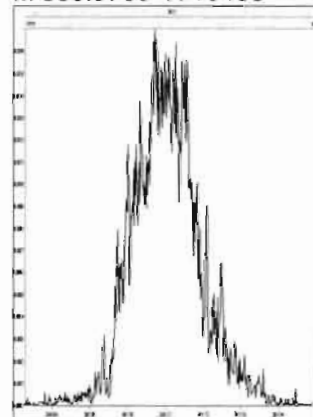
M 354.9792 R 12078



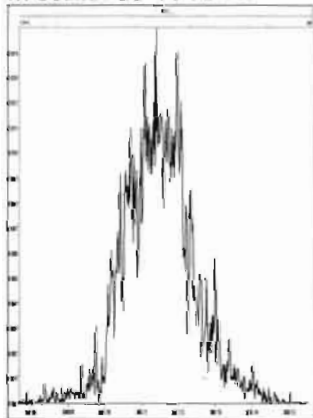
M 366.9792 R 11847



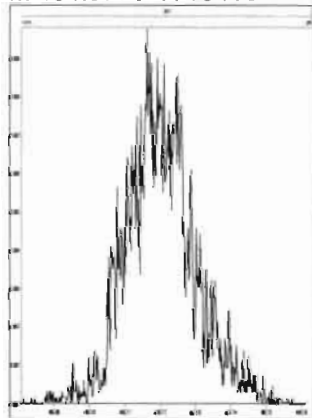
M 380.9760 R 10458



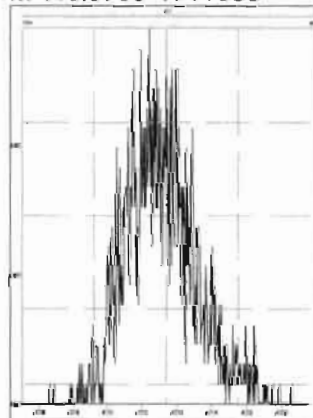
M 392.9760 R 10247



M 404.9760 R 10416



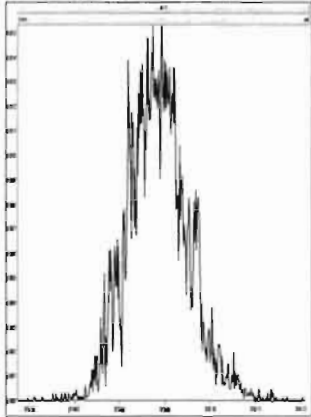
M 416.9760 R 11685



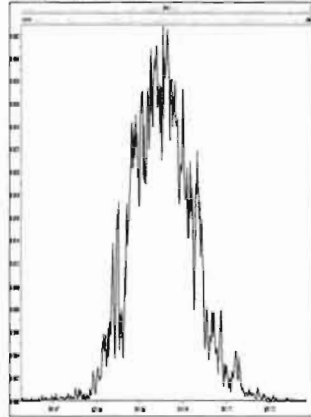
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, September 30, 2020 12:02:33 Pacific Daylight Time

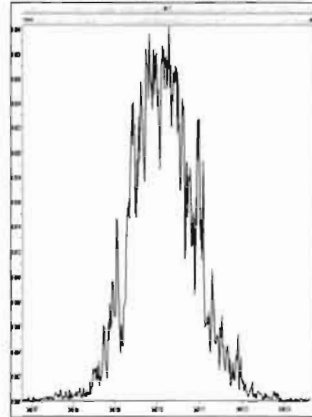
M 318.9792 R 11463



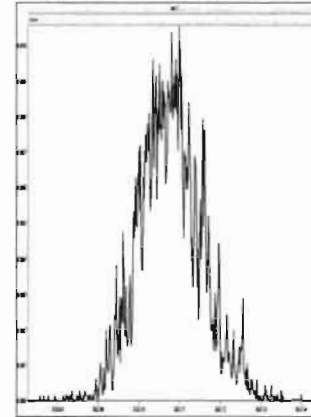
M 330.9792 R 10775



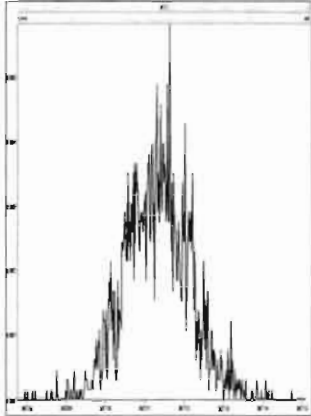
M 342.9792 R 10414



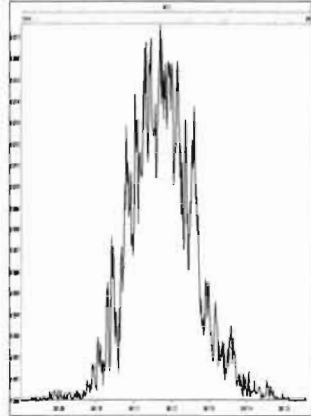
M 354.9792 R 10772



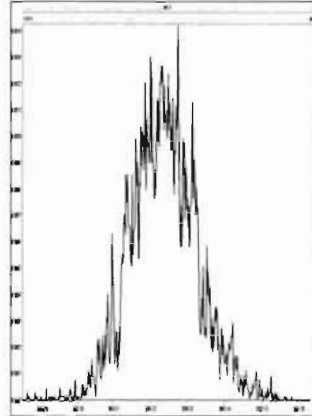
M 366.9792 R 11520



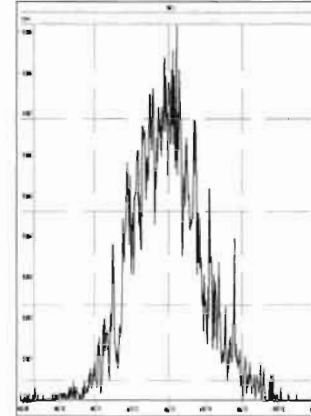
M 380.9760 R 10778



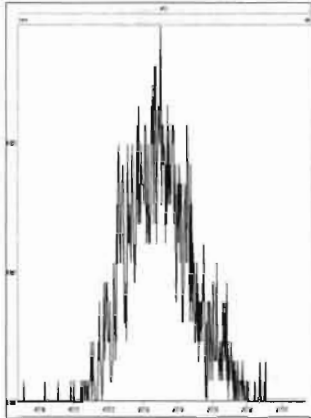
M 392.9760 R 10201



M 404.9760 R 10504



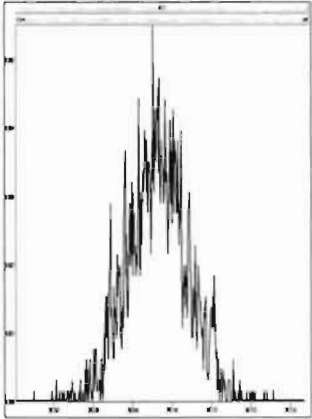
M 416.9760 R 10967



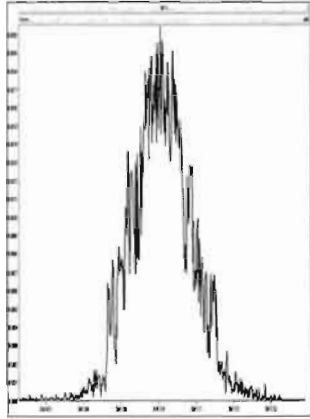
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, September 30, 2020 12:03:12 Pacific Daylight Time

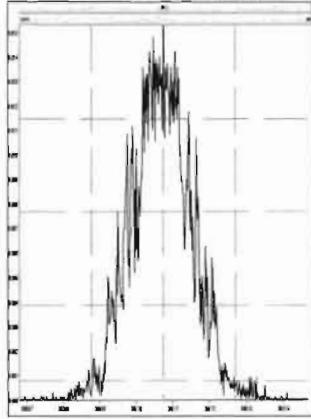
M 366.9792 R 12441



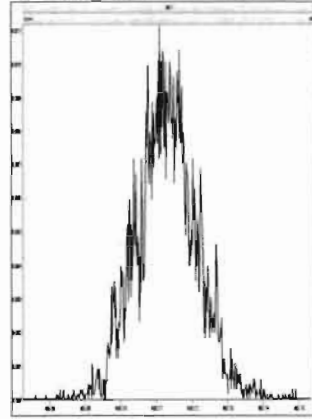
M 380.9760 R 11959



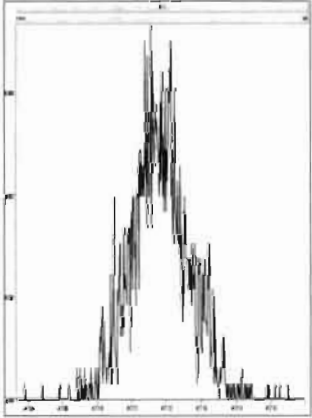
M 392.9760 R 11958



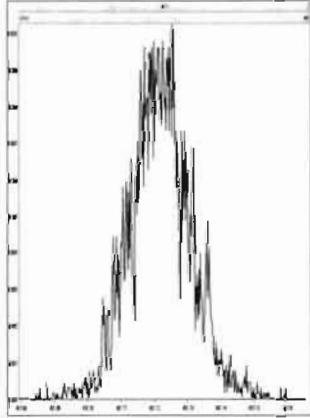
M 404.9760 R 11792



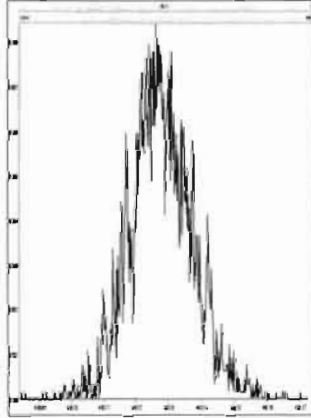
M 416.9760 R 12138



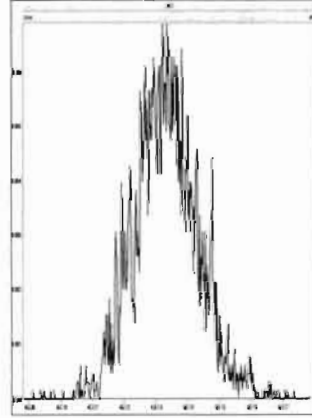
M 430.9728 R 11469



M 442.9728 R 11161



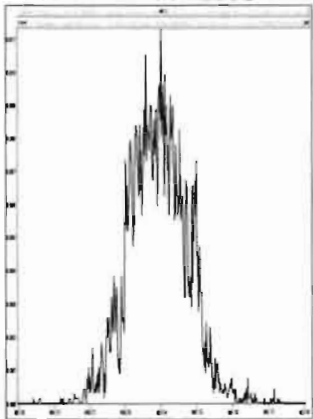
M 454.9728 R 10868



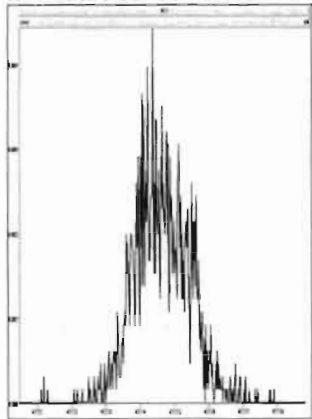
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, September 30, 2020 12:03:51 Pacific Daylight Time

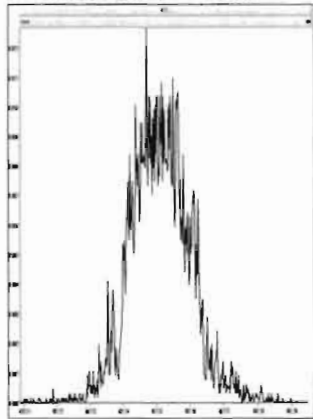
M 404.9760 R 12500



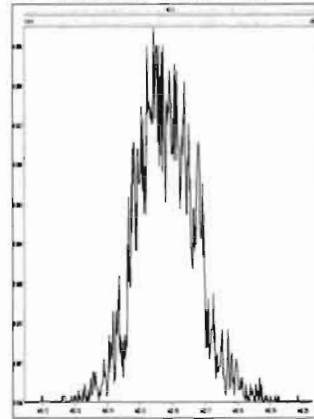
M 416.9760 R 14449



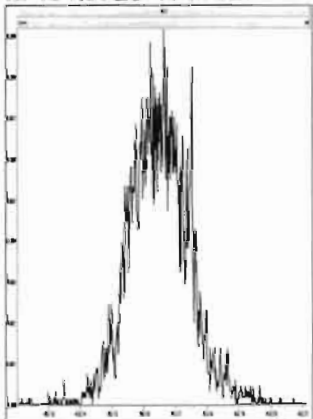
M 430.9728 R 11903



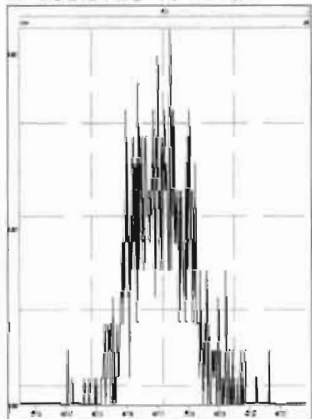
M 442.9728 R 12256



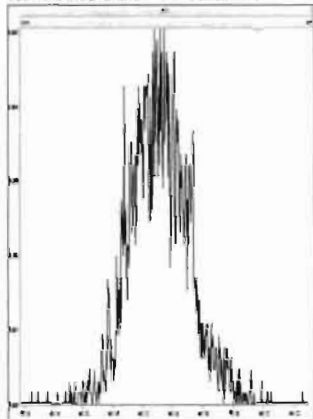
M 454.9728 R 11627



M 466.9728 R 14704



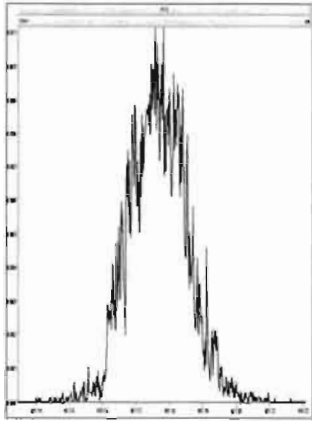
M 480.9696 R 12252



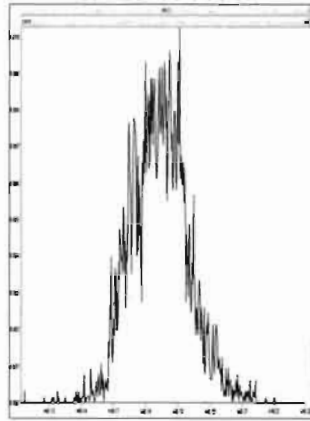
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, September 30, 2020 12:04:30 Pacific Daylight Time

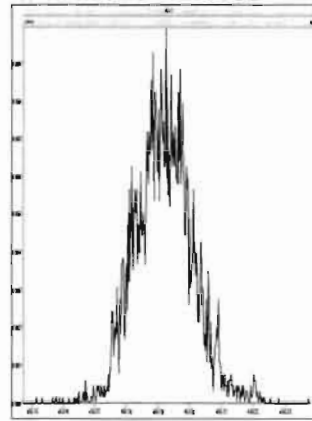
M 430.9728 R 12314



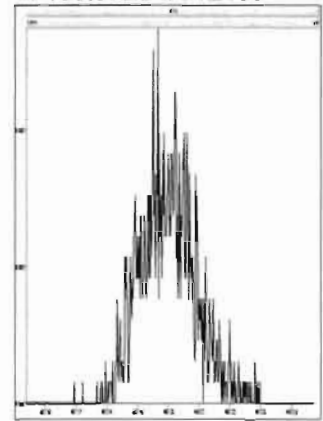
M 442.9728 R 11902



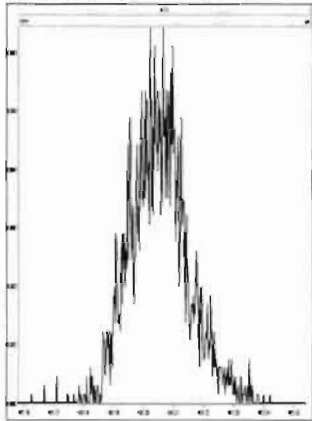
M 454.9728 R 13889



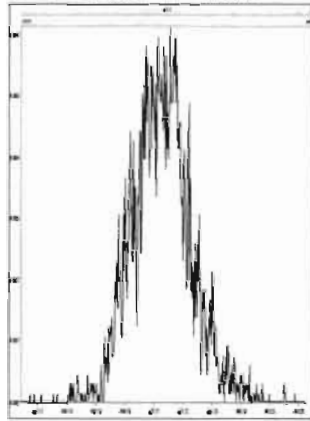
M 466.9728 R 12499



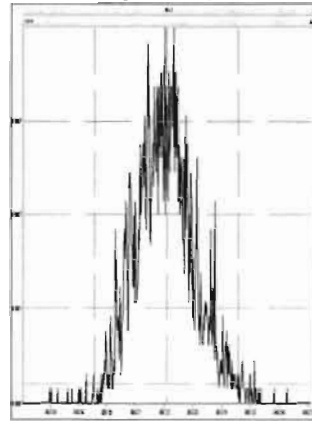
M 480.9696 R 12317



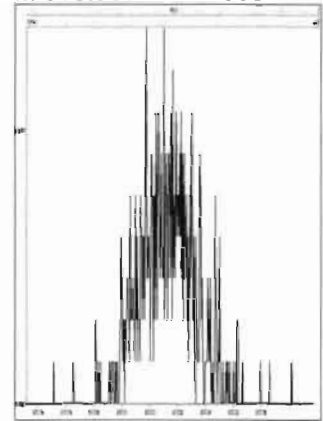
M 492.9696 R 12377

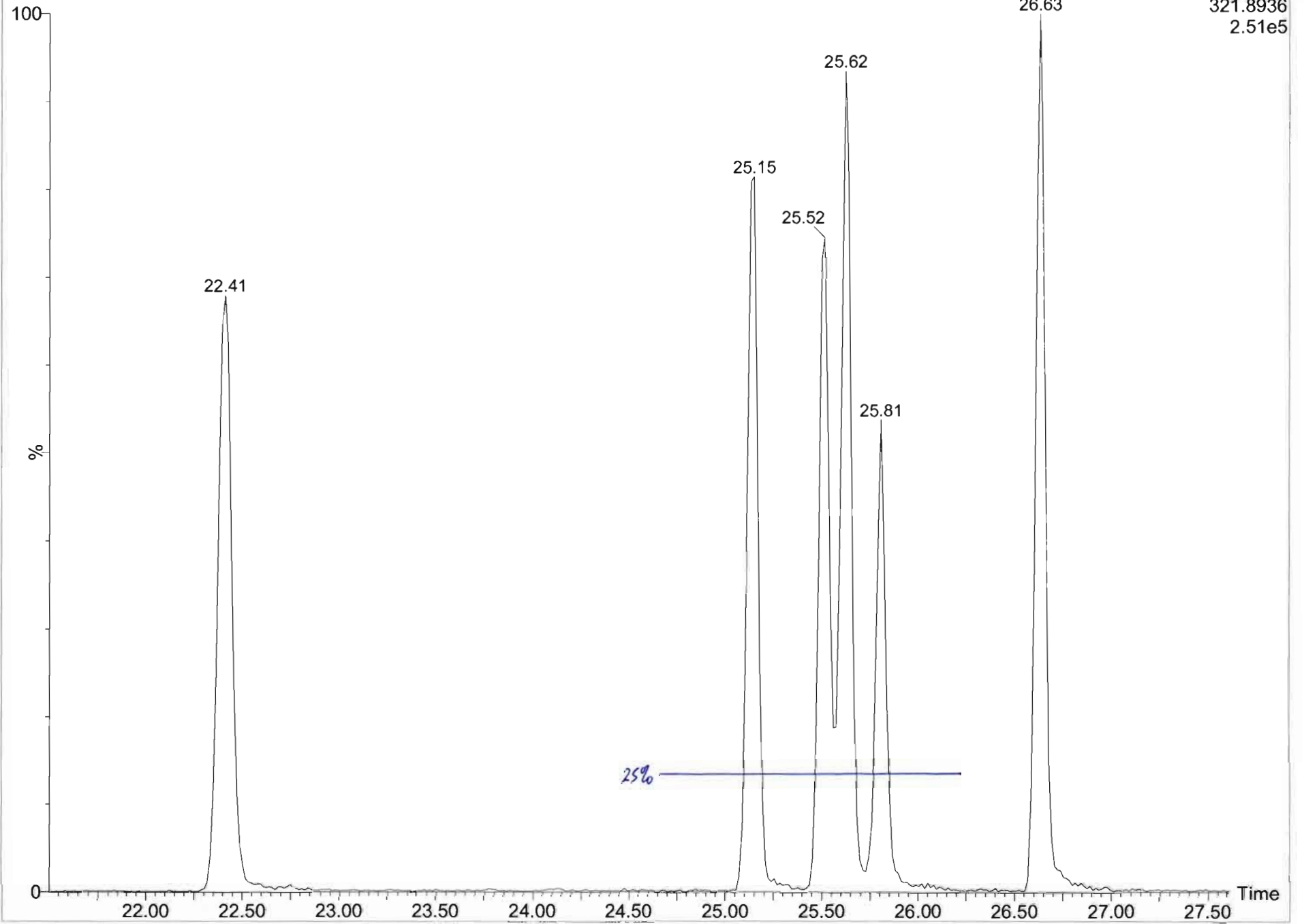


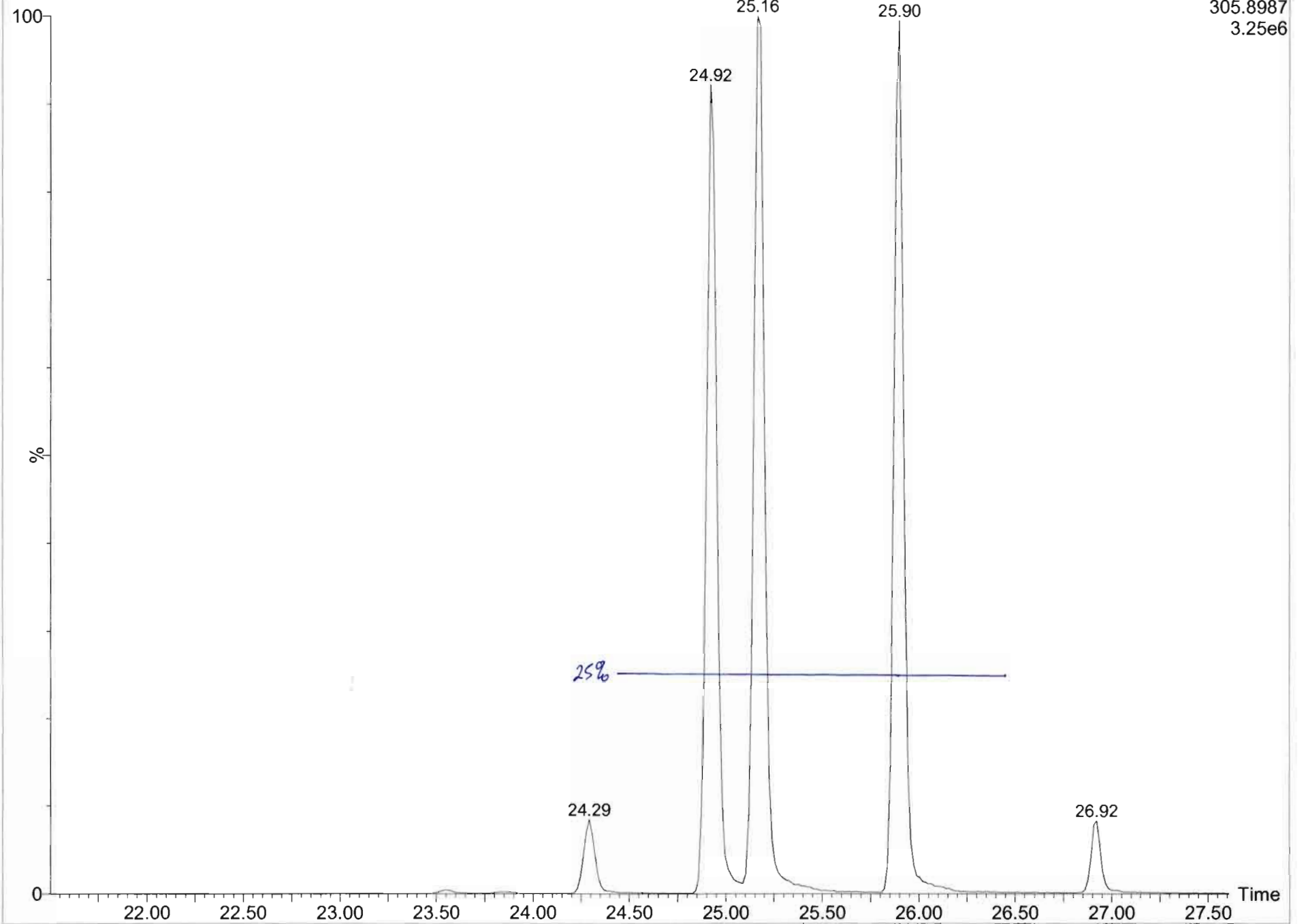
M 504.9696 R 10638



M 516.9697 R 11903







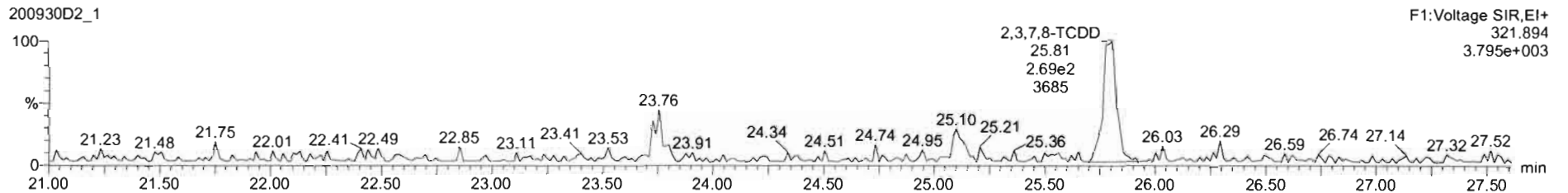
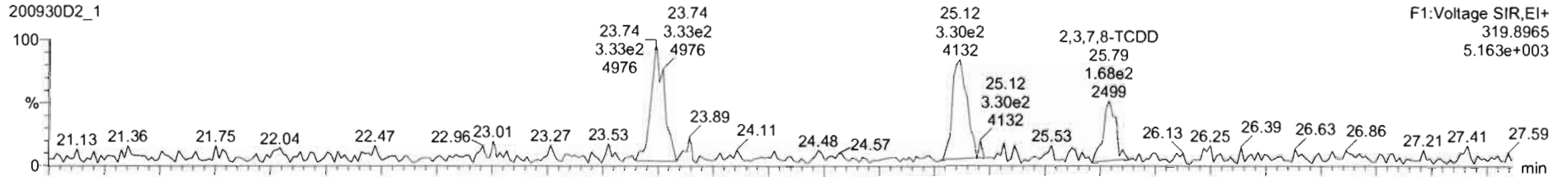
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

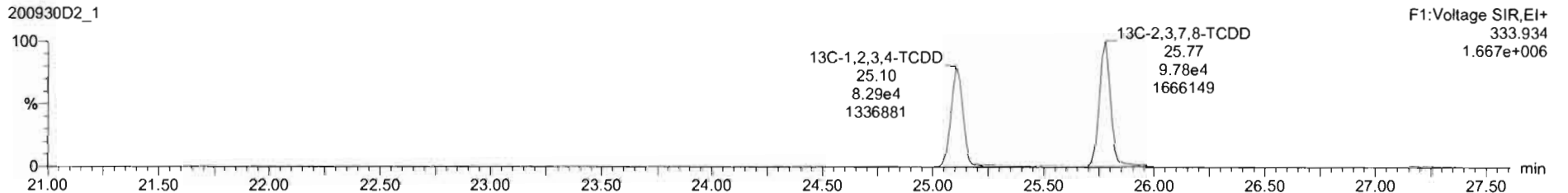
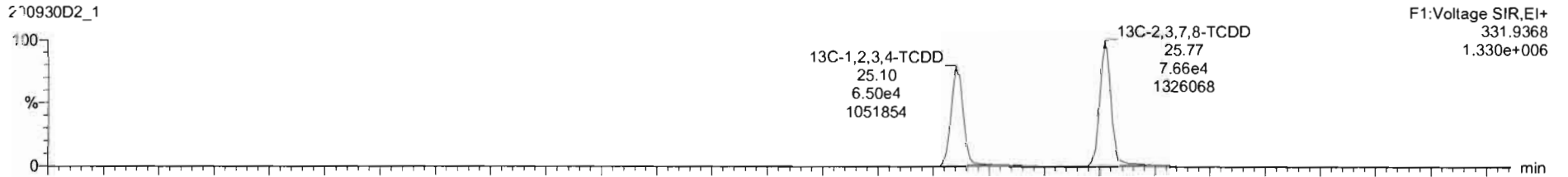
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-8-20-20.cdb 21 Aug 2020 10:10:46

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

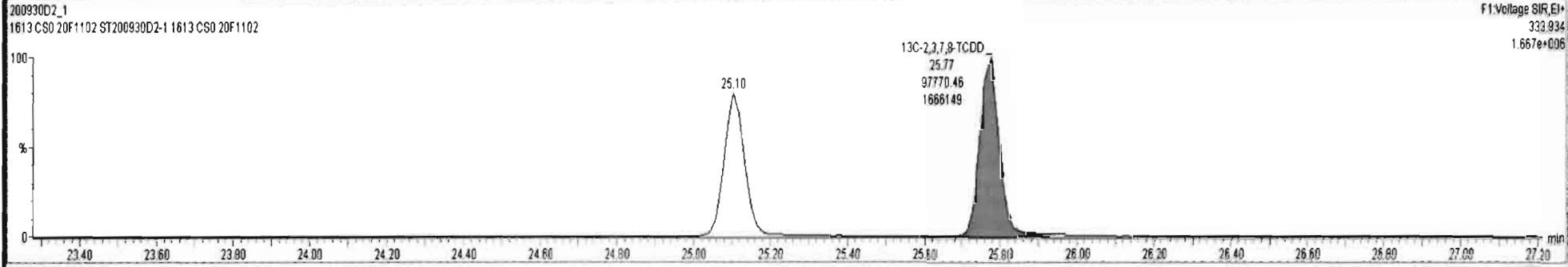
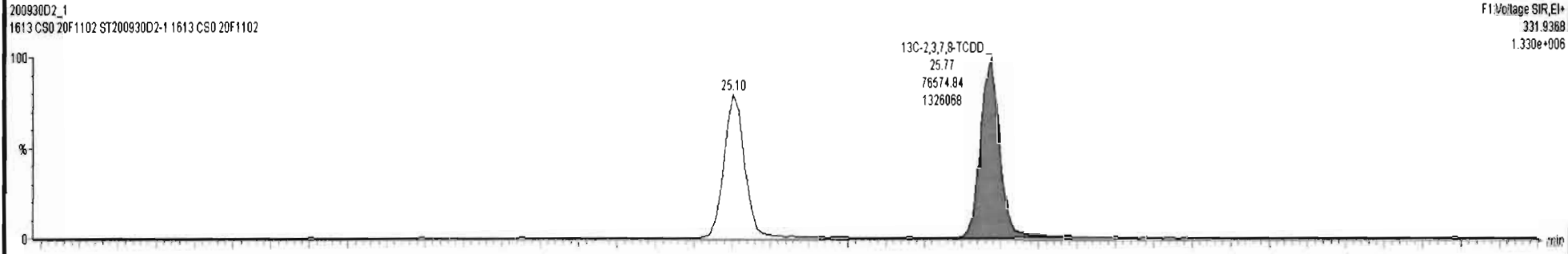
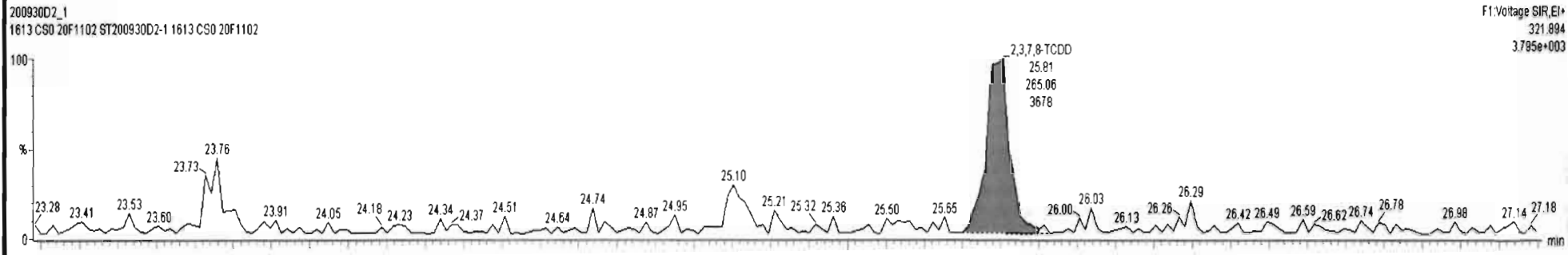
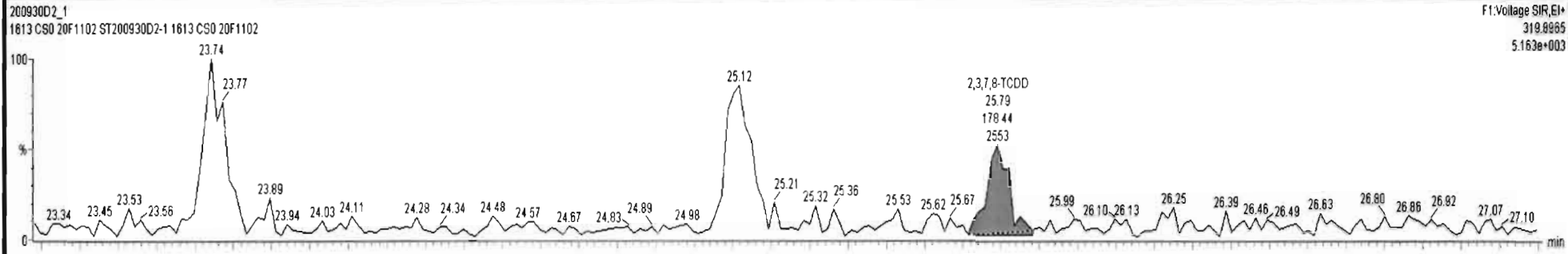
2,3,7,8-TCDD



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



200930D2_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

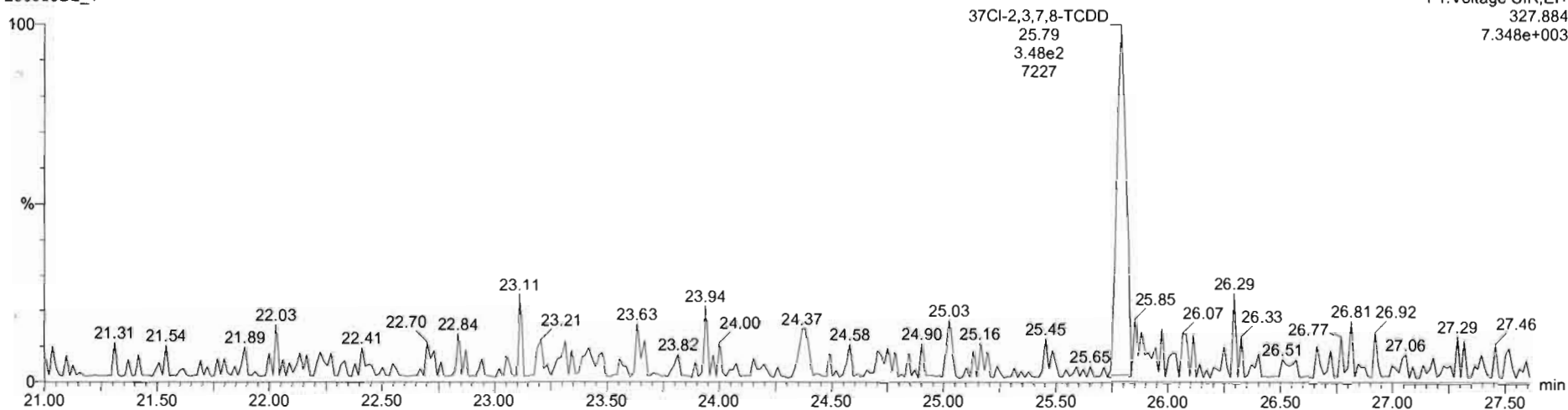


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

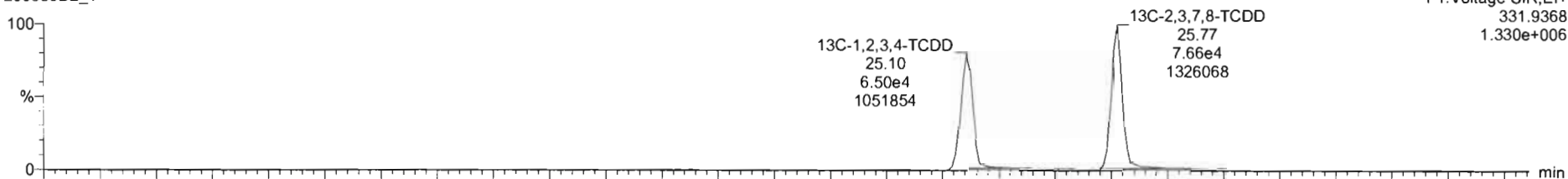
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

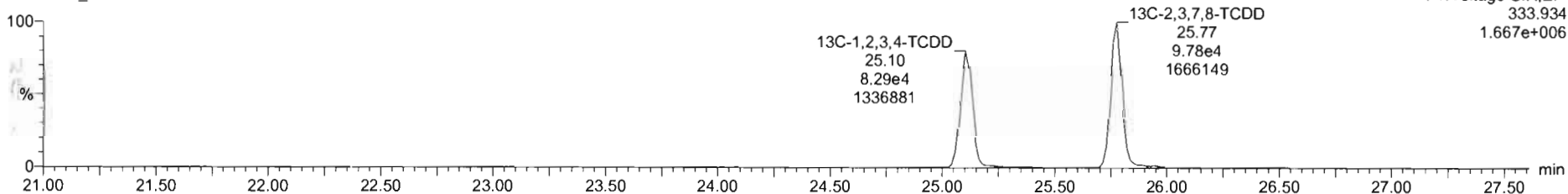
3 · Cl-2,3,7,8-TCDD
200930D2_1



13C-1,2,3,4-TCDD
200930D2_1



200930D2_1



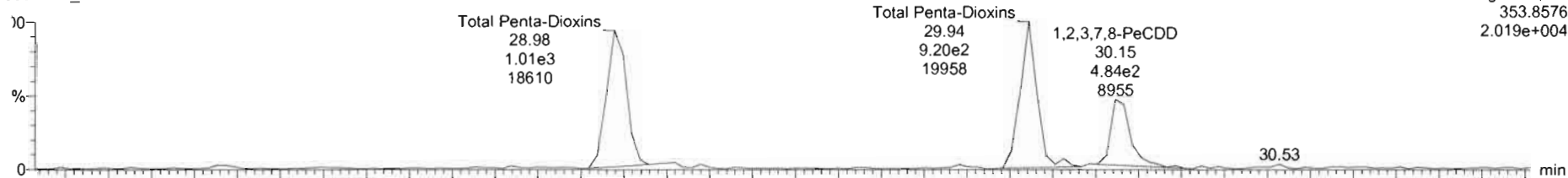
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

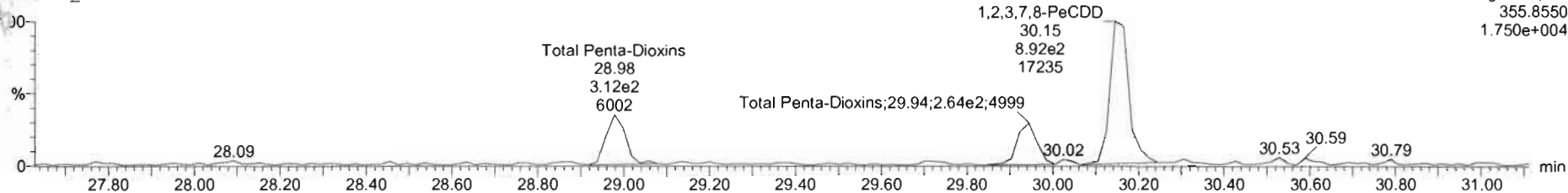
Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

1,2,3,7,8-PeCDD

200930D2_1

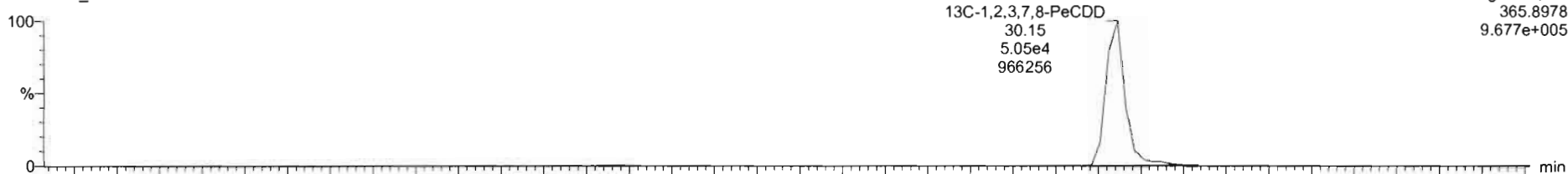


200930D2_1

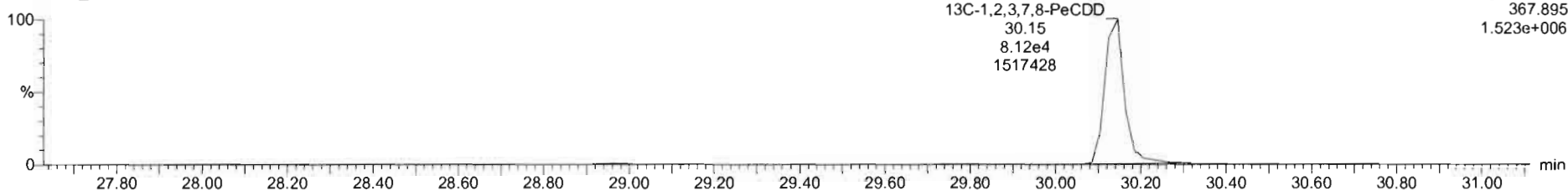


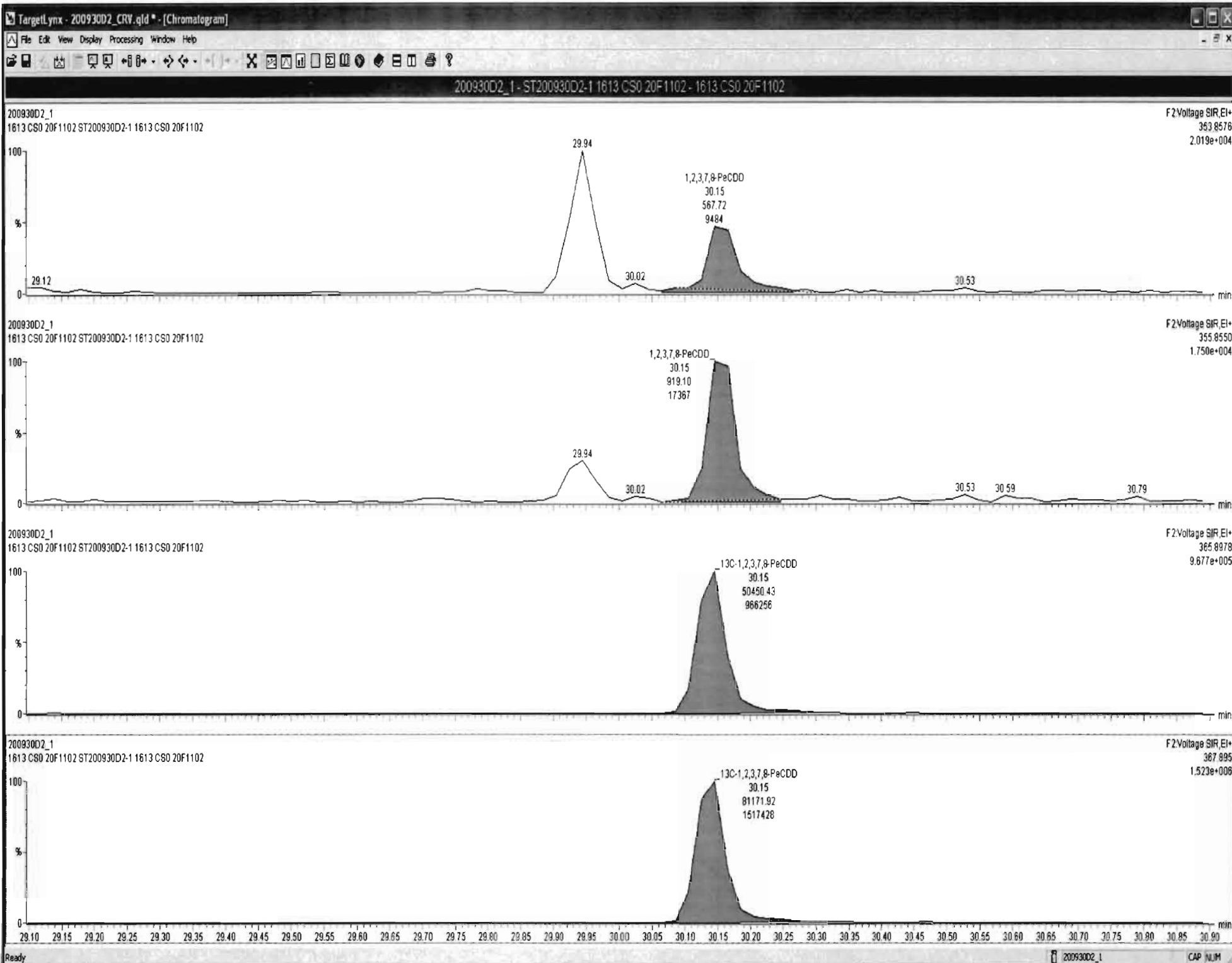
13C-1,2,3,7,8-PeCDD

200930D2_1



200930D2_1





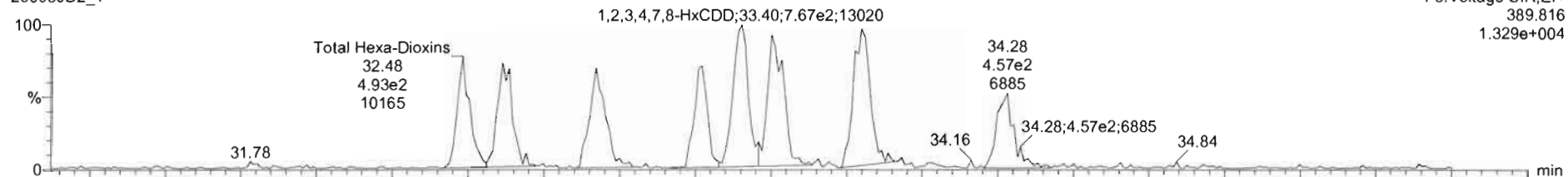
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

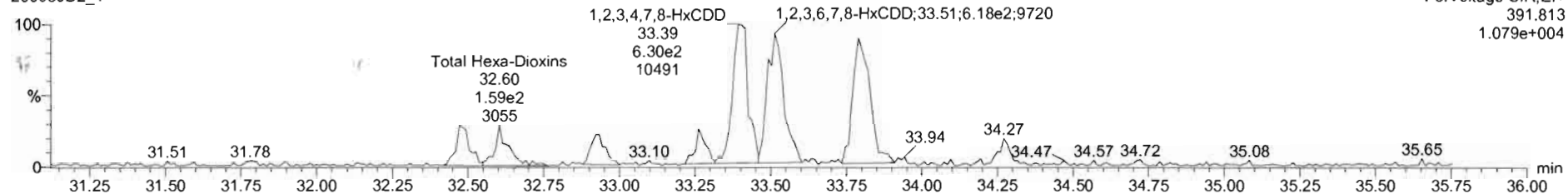
Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

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

200930D2_1

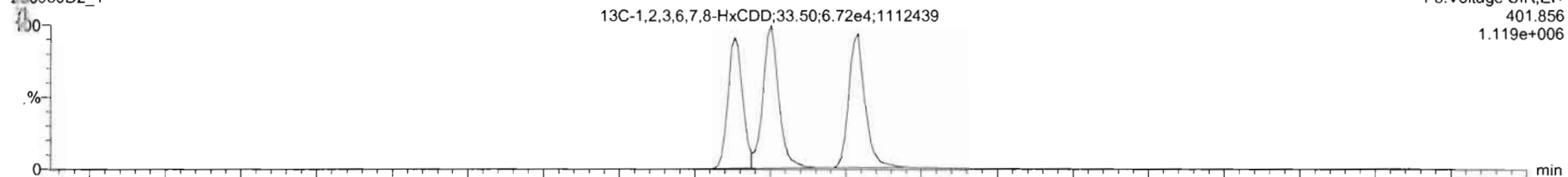


200930D2_1

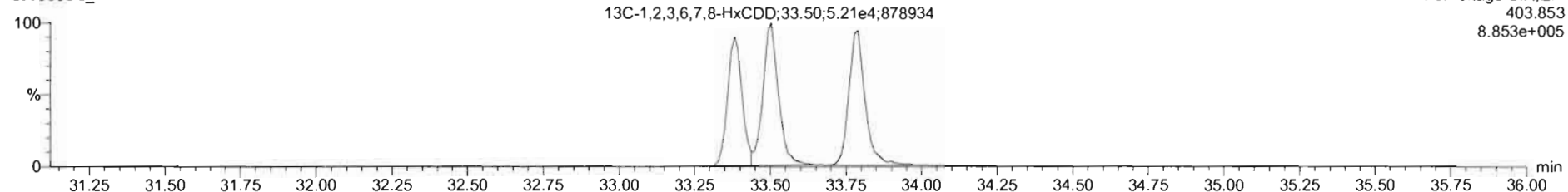


13C-1,2,3,4,7,8-HxCDD

200930D2_1

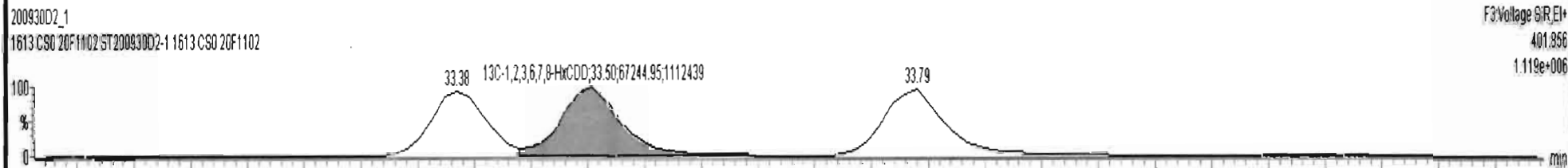
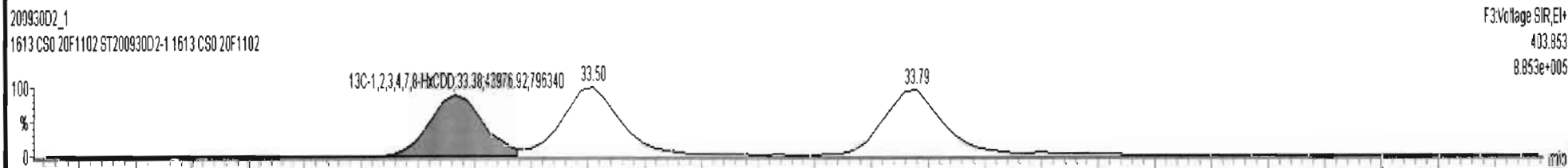
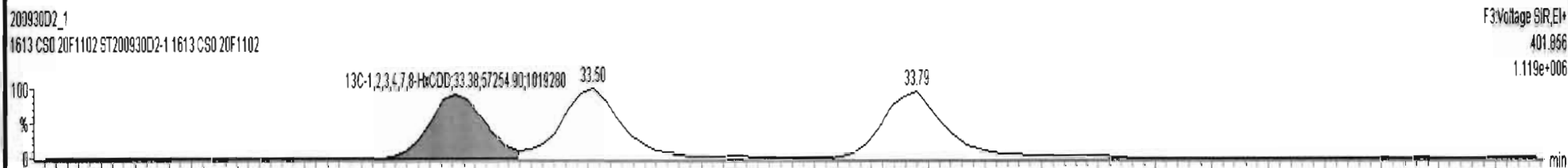
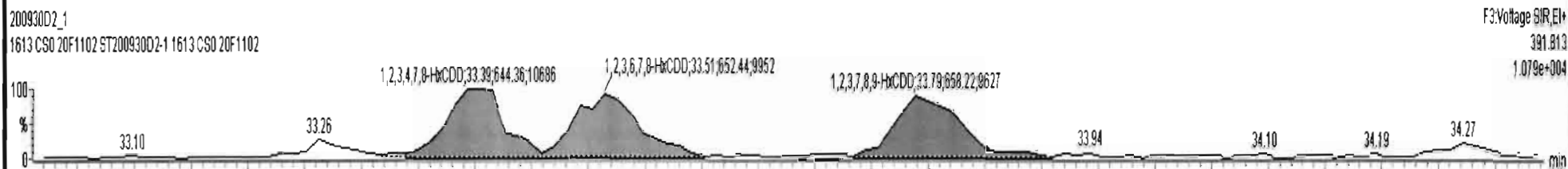
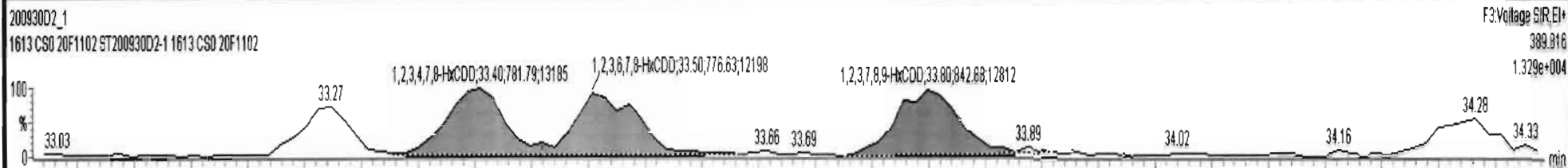


200930D2_1





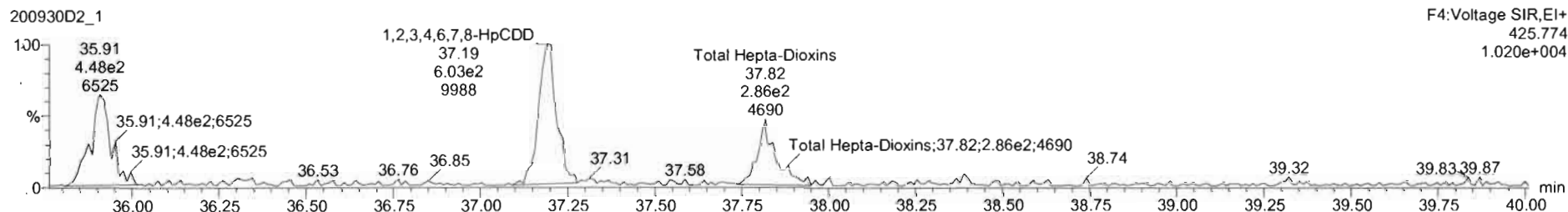
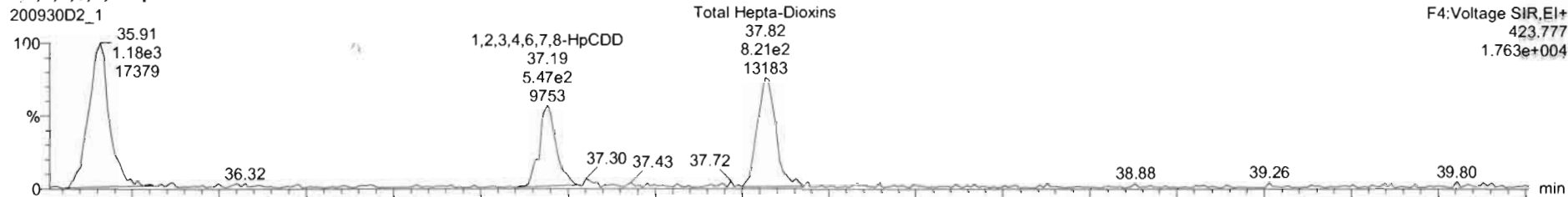
200930D2_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102



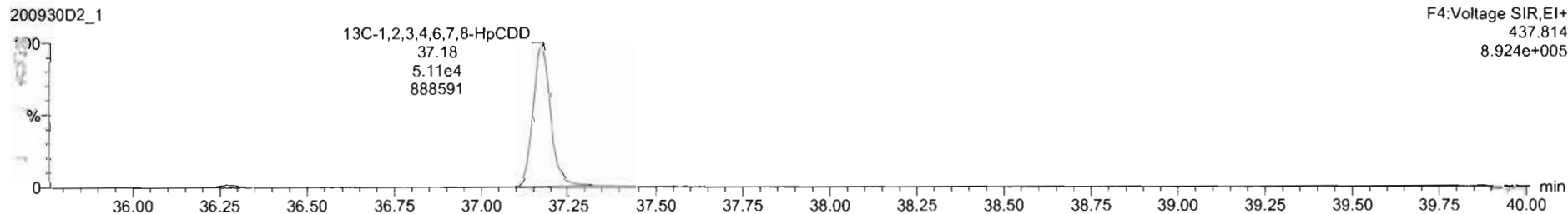
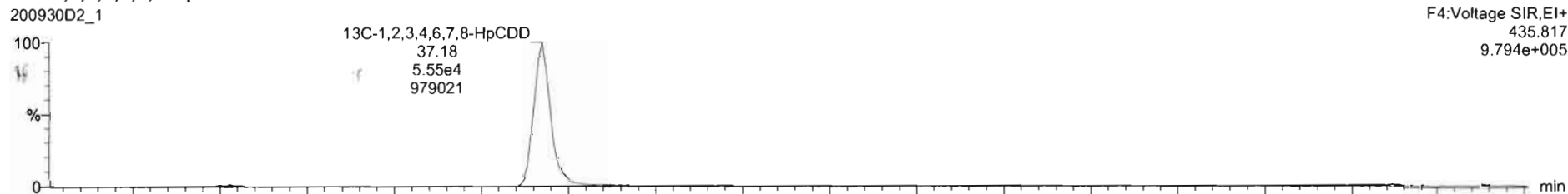
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

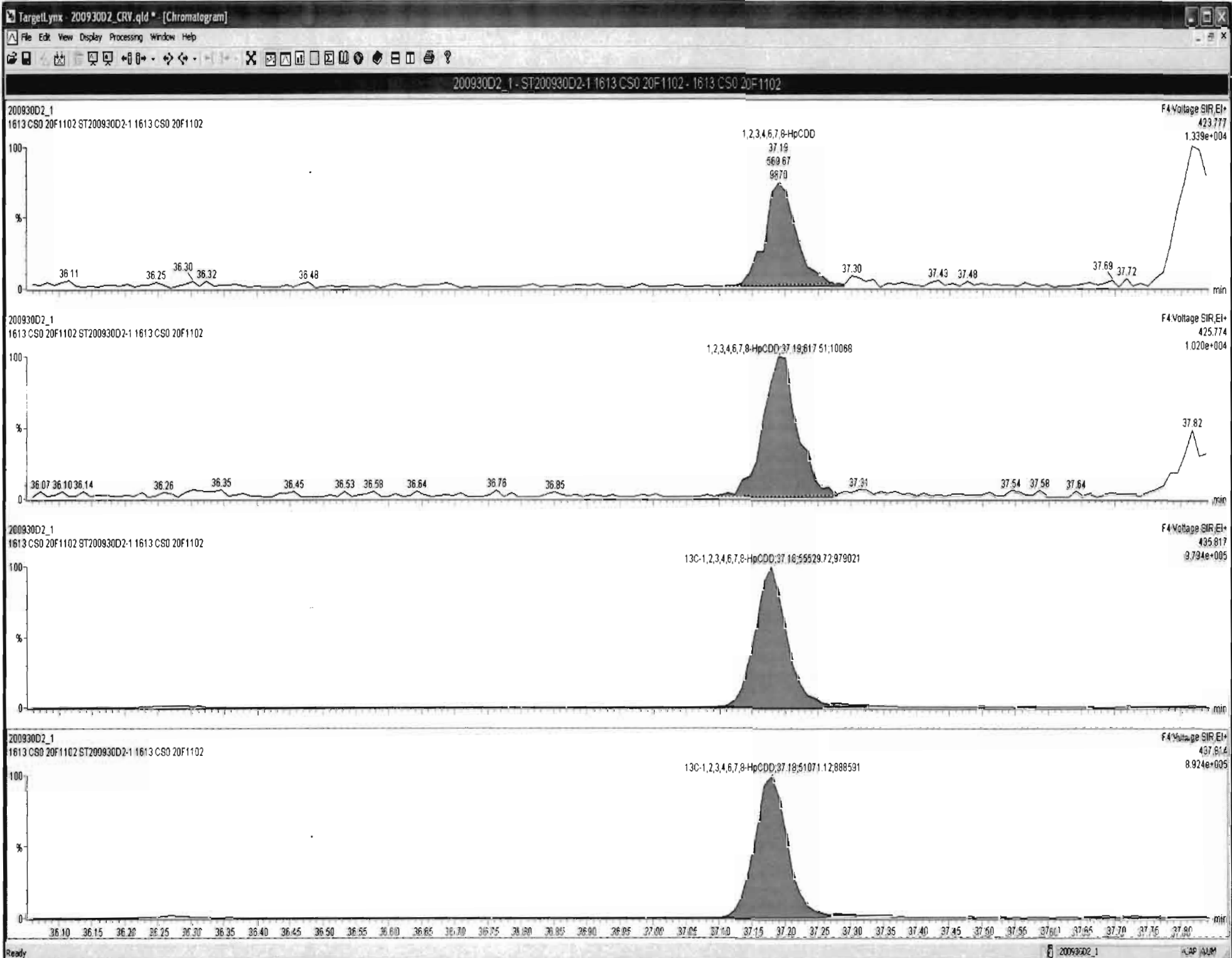
Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

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



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

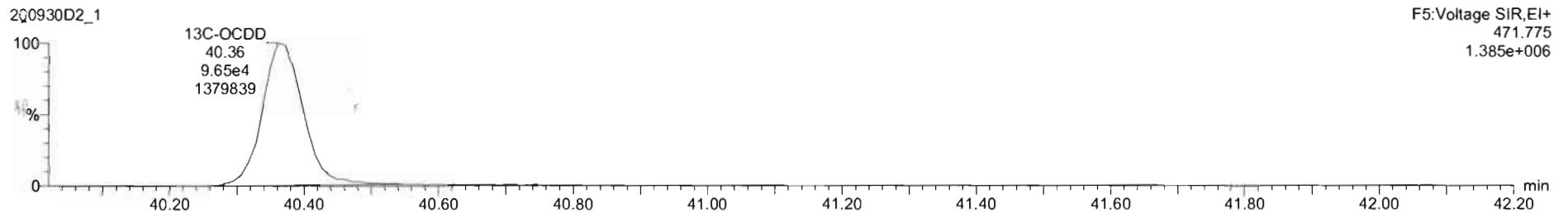
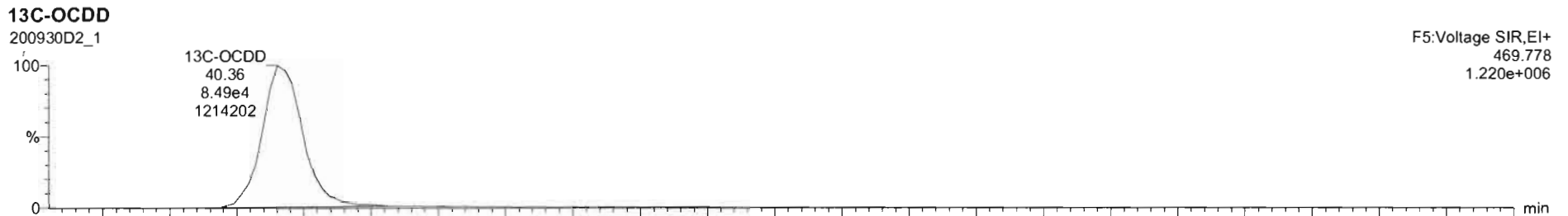
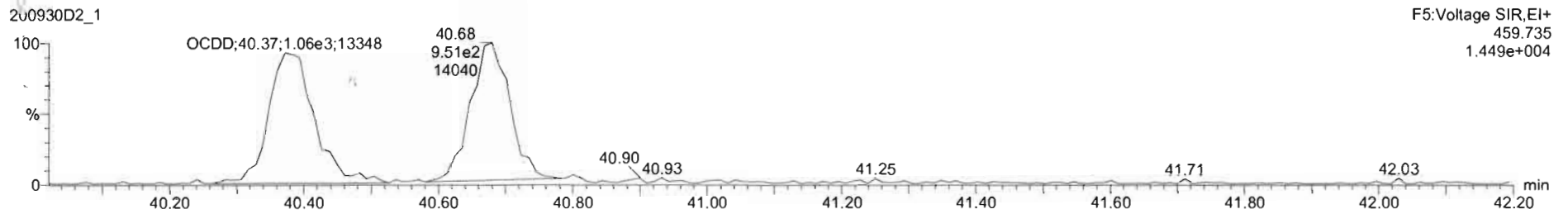
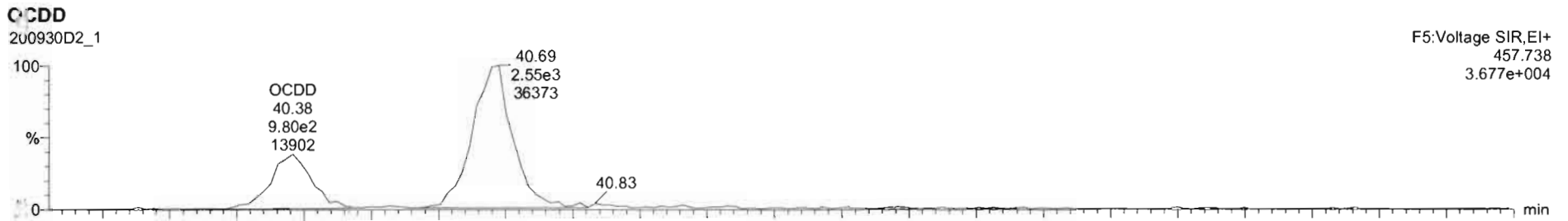




Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102



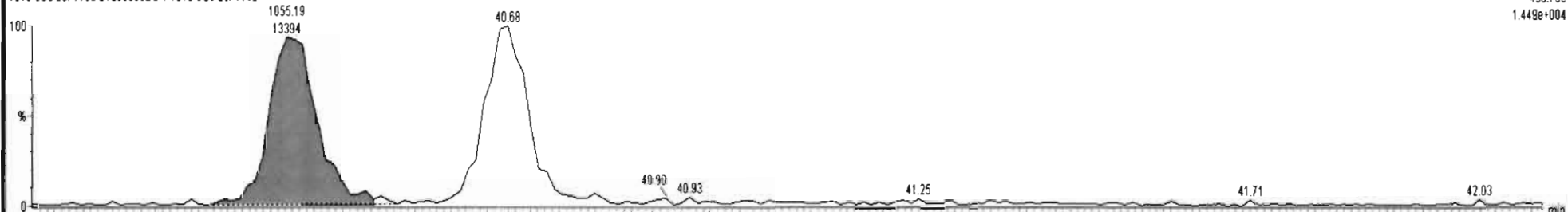
200930D2_1
1613 CS0 20F1102 ST200930D2-1 1613 CS0 20F1102

F5:Voltage SIR,EI+
457.738
3.677e+004



200930D2_1
1613 CS0 20F1102 ST200930D2-1 1613 CS0 20F1102

F5:Voltage SIR,EI+
459.735
1.449e+004



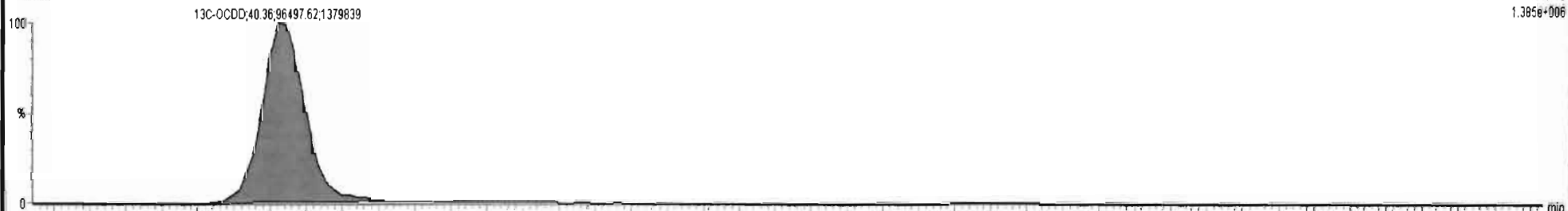
200930D2_1
1613 CS0 20F1102 ST200930D2-1 1613 CS0 20F1102

F5:Voltage SIR,EI+
469.778
1.220e+006



200930D2_1
1613 CS0 20F1102 ST200930D2-1 1613 CS0 20F1102

F5:Voltage SIR,EI+
471.775
1.395e+006



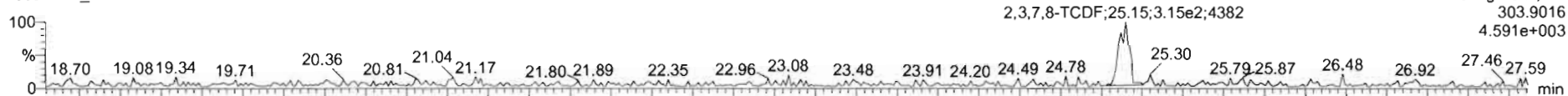
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

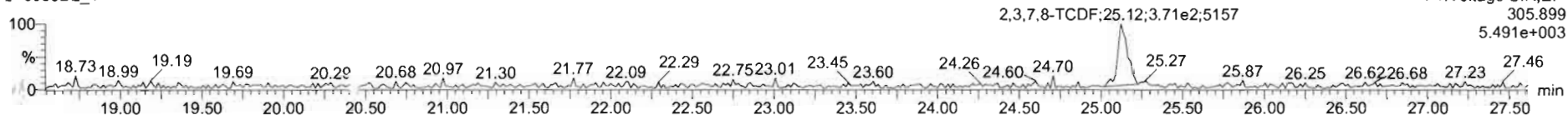
Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

2,3,7,8-TCDF

200930D2_1

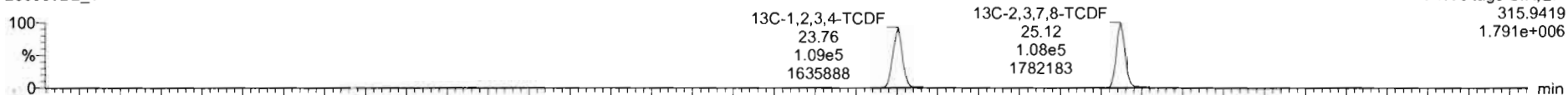


200930D2_1

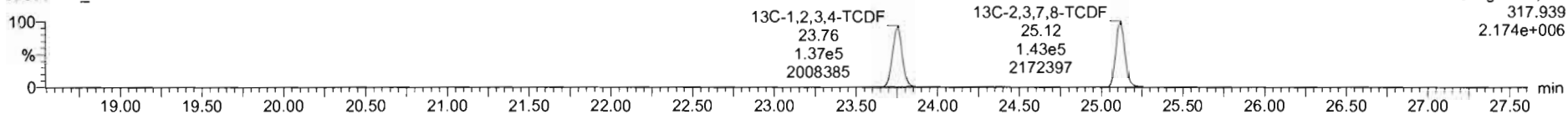


13C-2,3,7,8-TCDF

200930D2_1

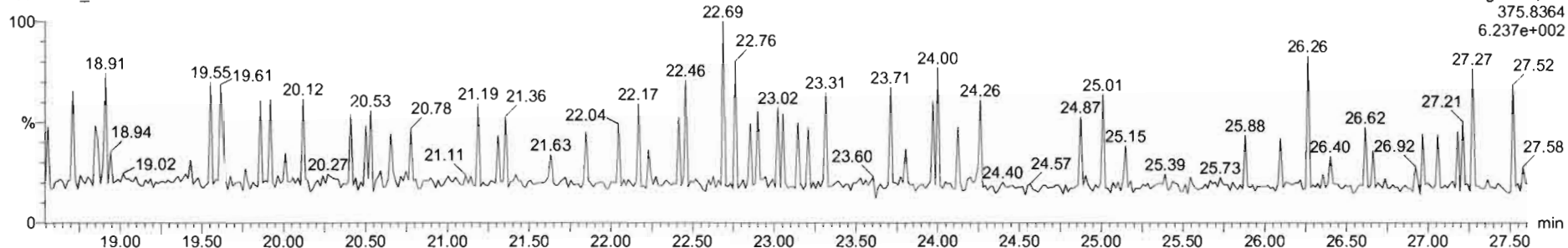


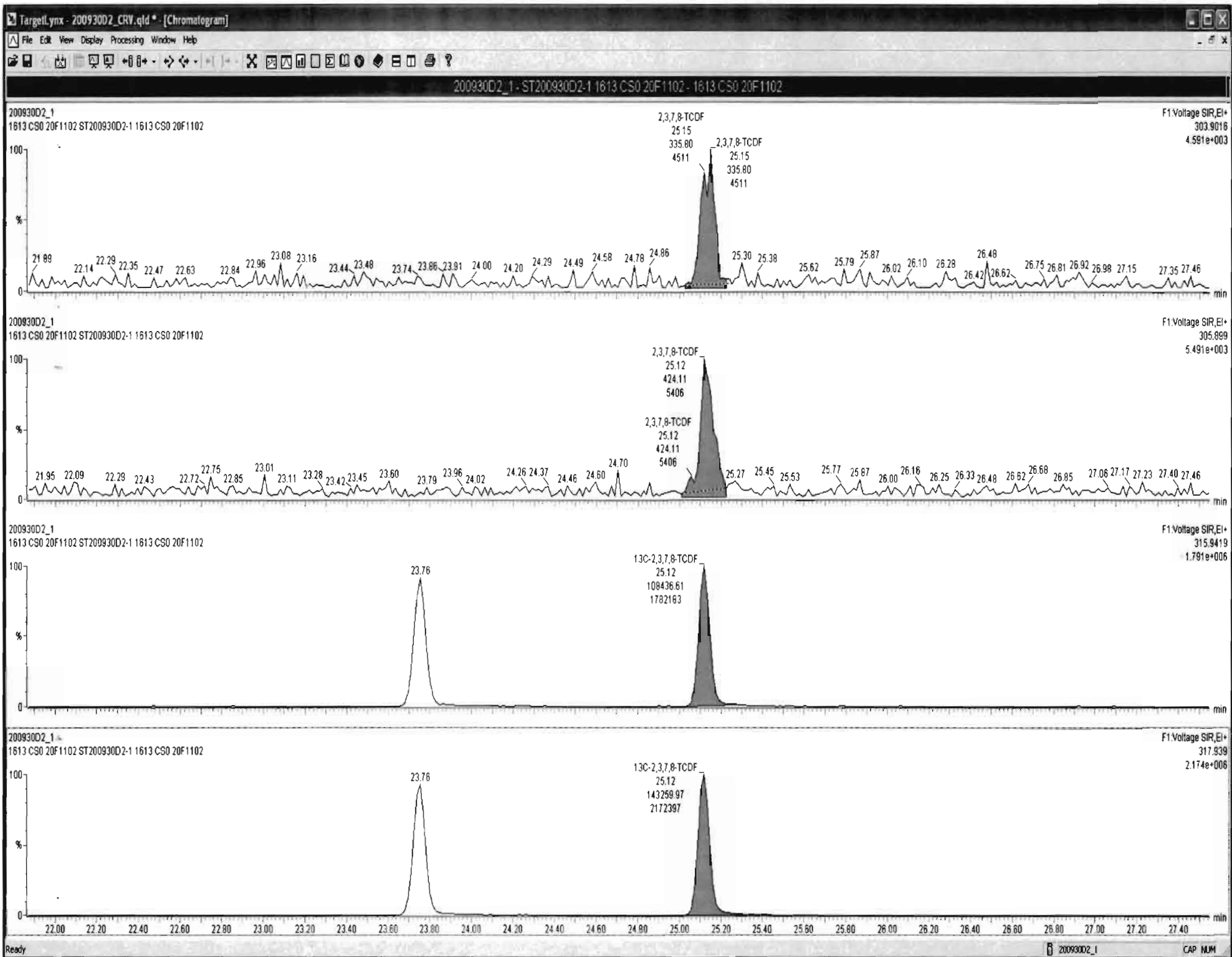
200930D2_1



DPE1

200930D2_1





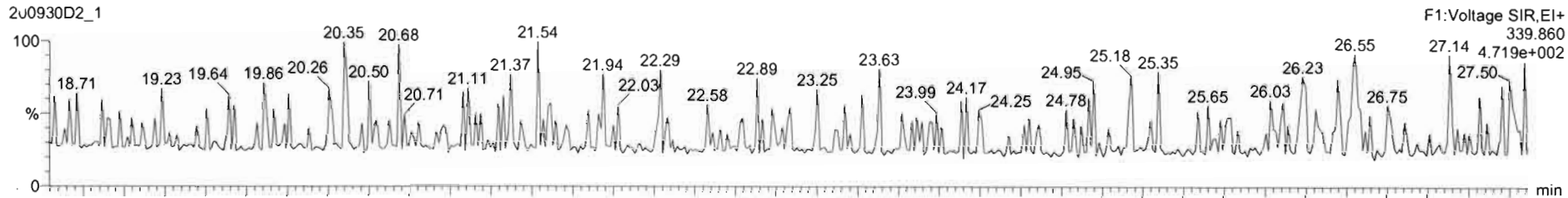
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

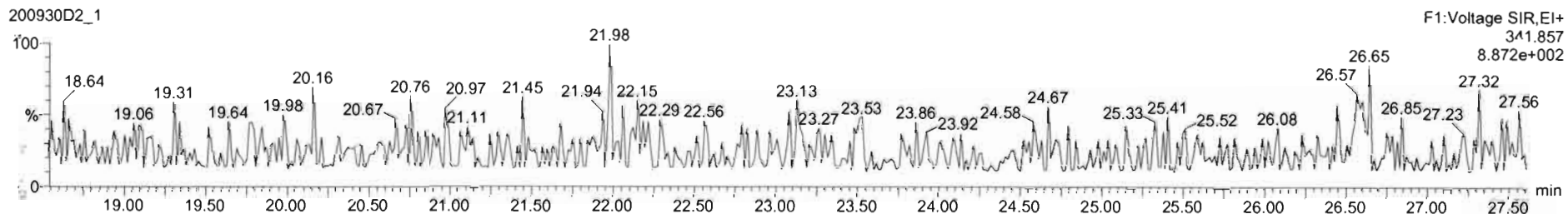
Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

1st Func. Penta-Furans

200930D2_1

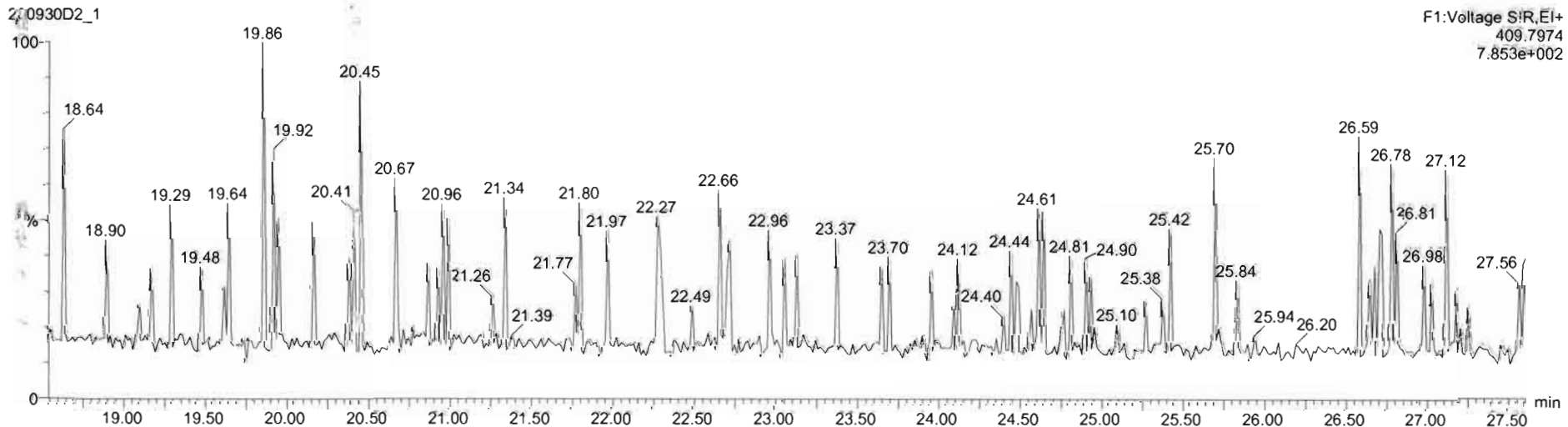


200930D2_1



DPE6

200930D2_1

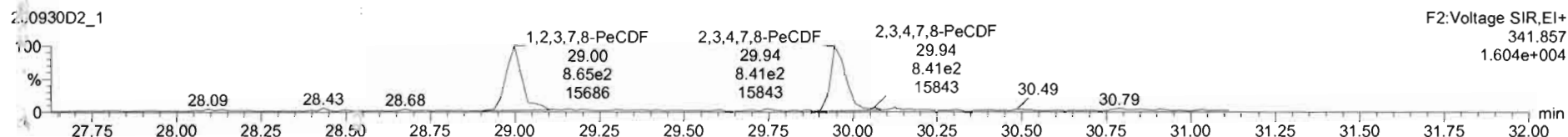
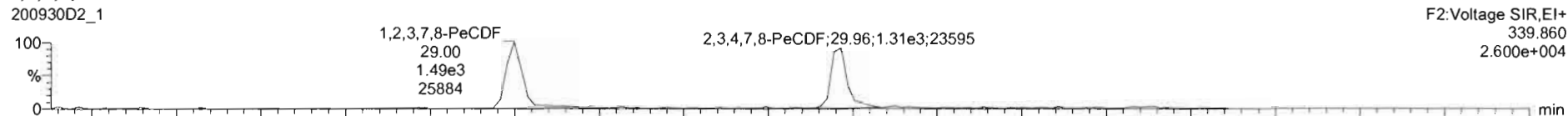


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

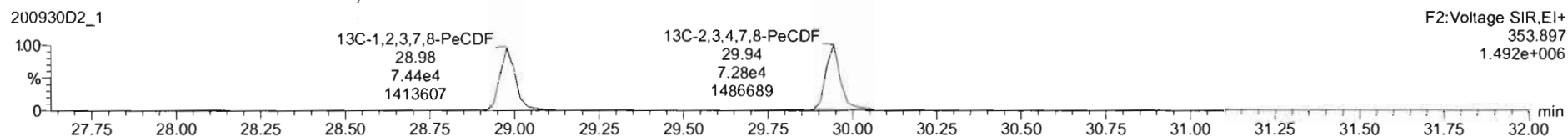
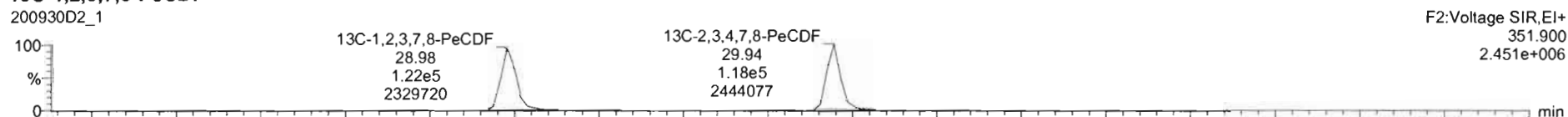
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2010, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

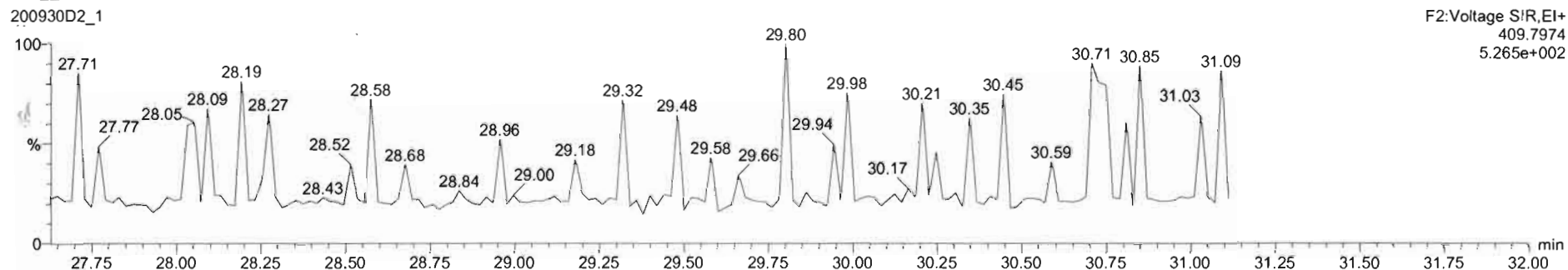
1,2,3,7,8-PeCDF



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

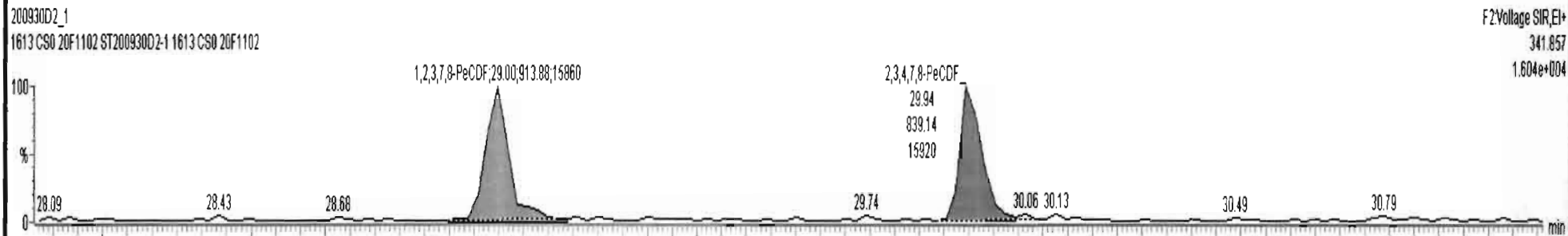


DPE2





200930D2_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

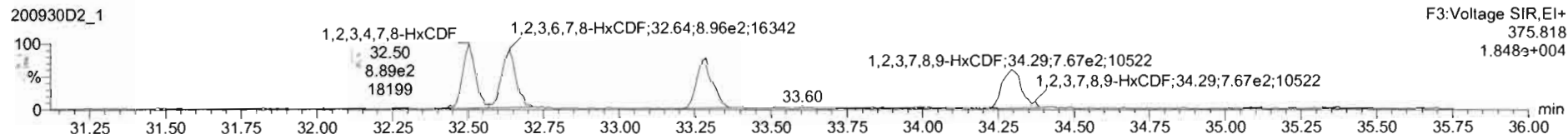
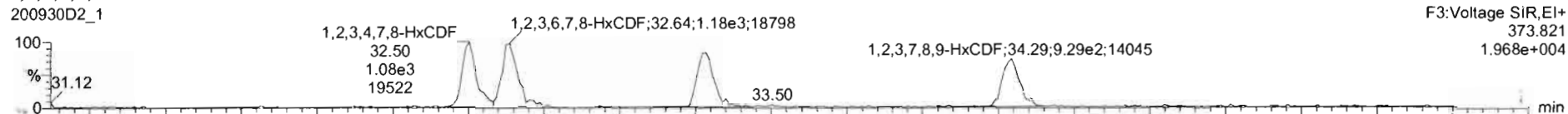


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

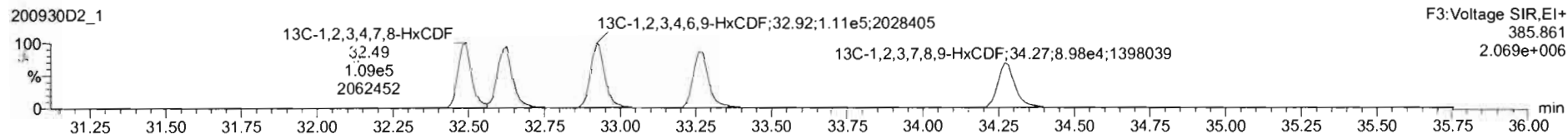
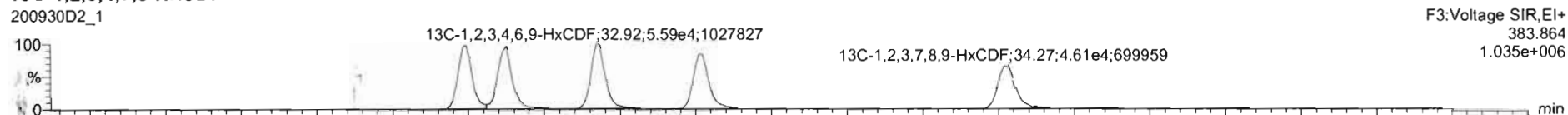
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

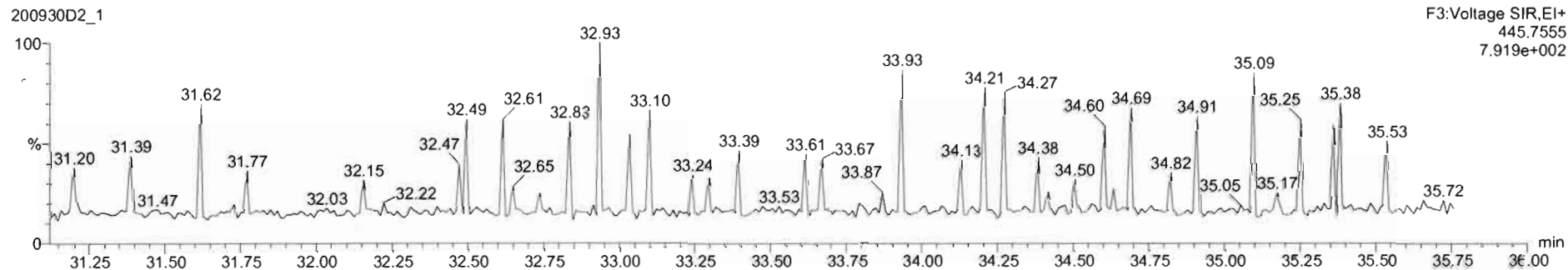
1,2,3,4,7,8-HxCDF



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



DPE3





200930D2_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

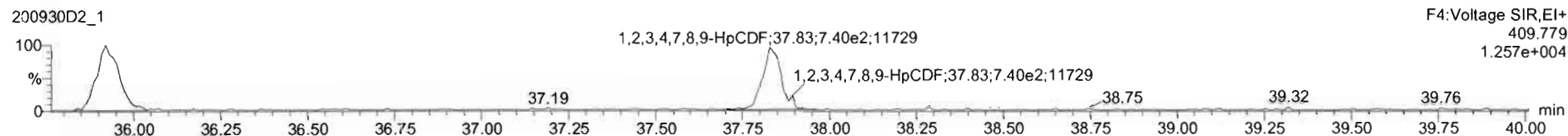
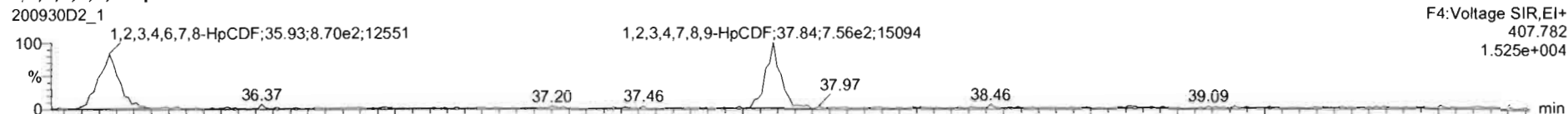


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

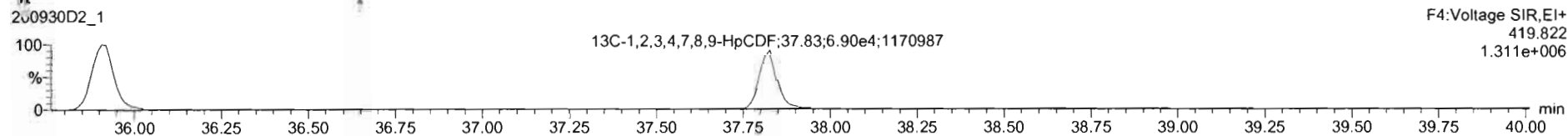
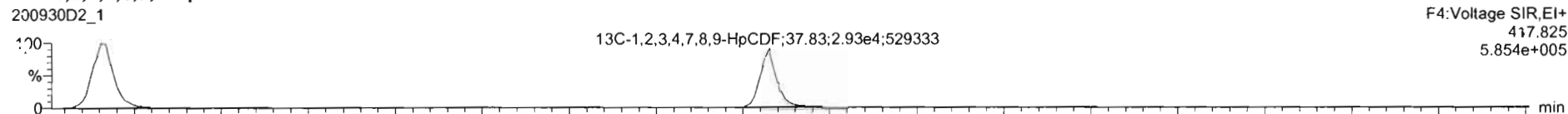
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

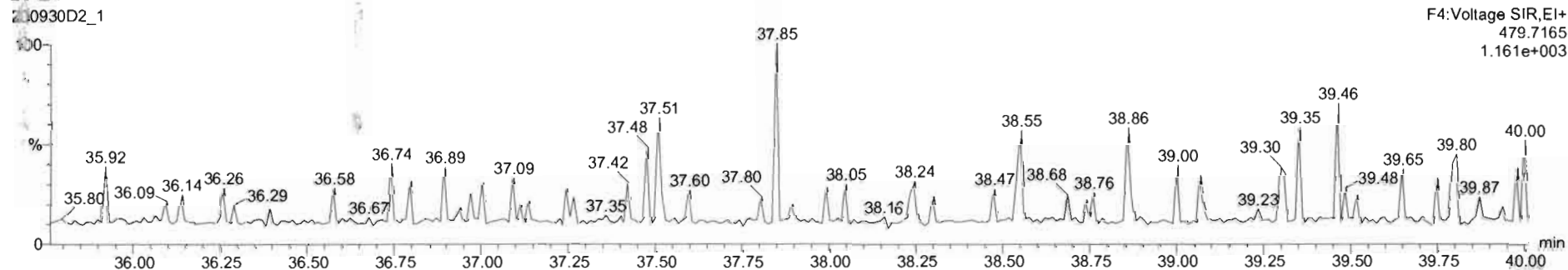
1,2,3,4,6,7,8-HpCDF



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

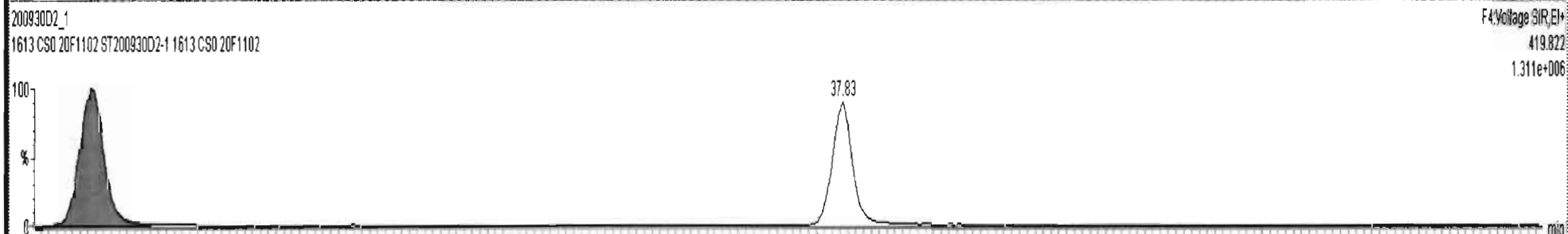
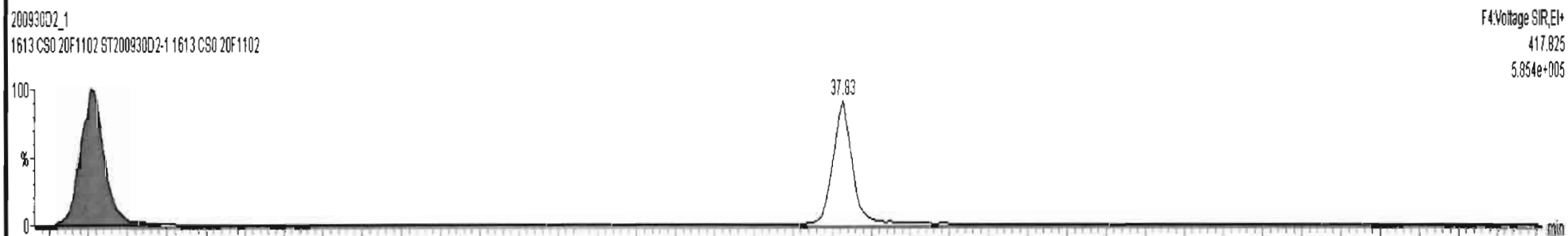
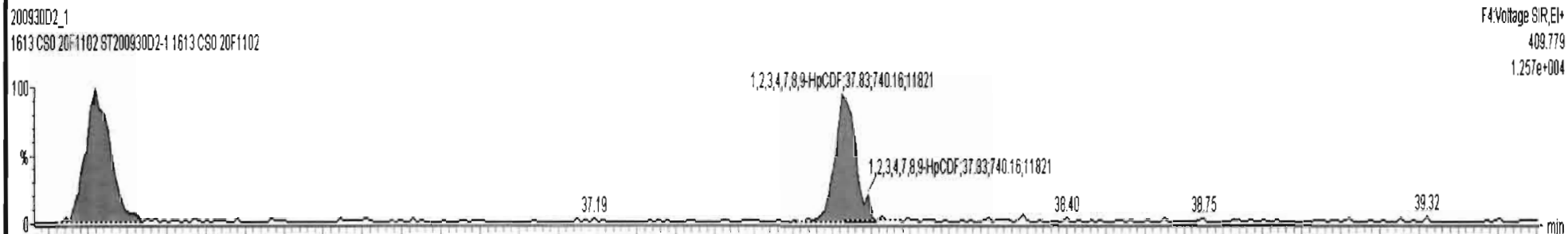
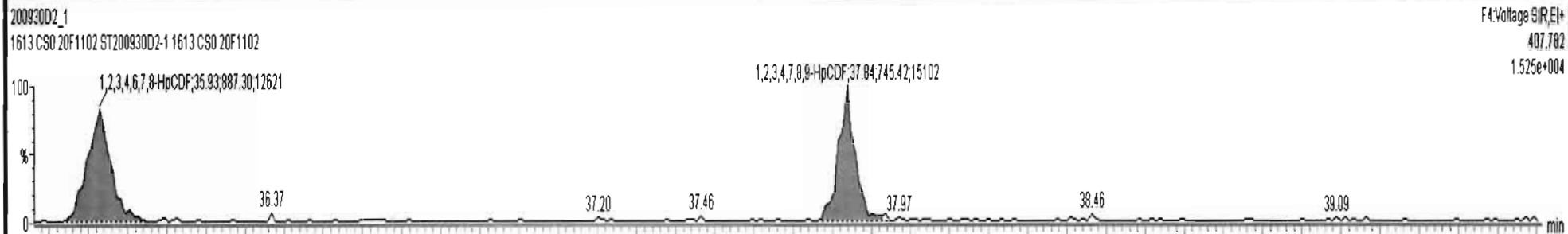


DPE4





200930D2_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

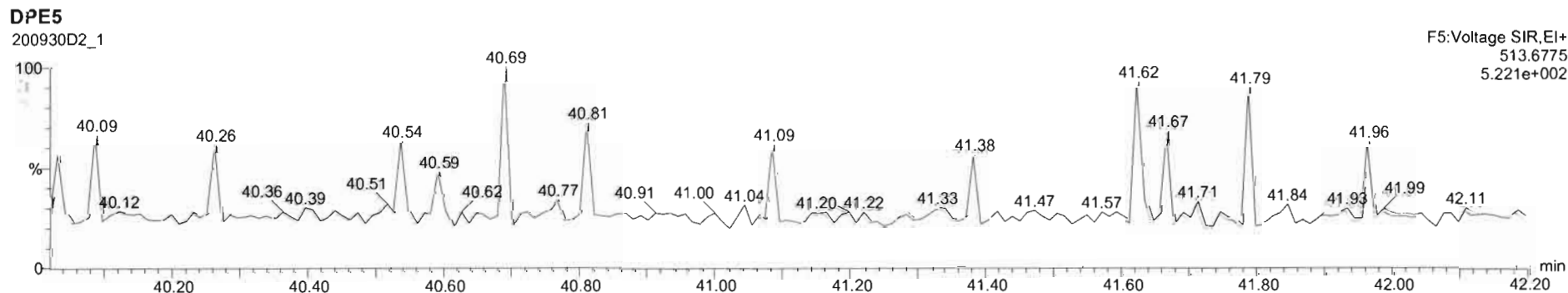
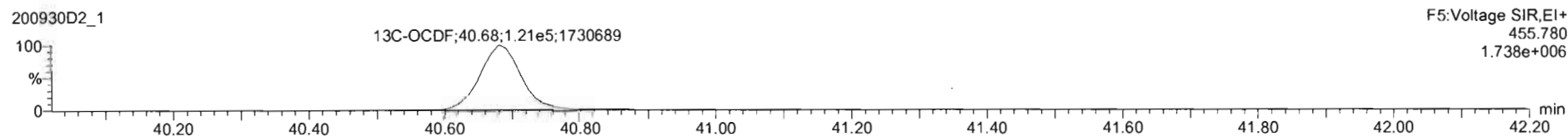
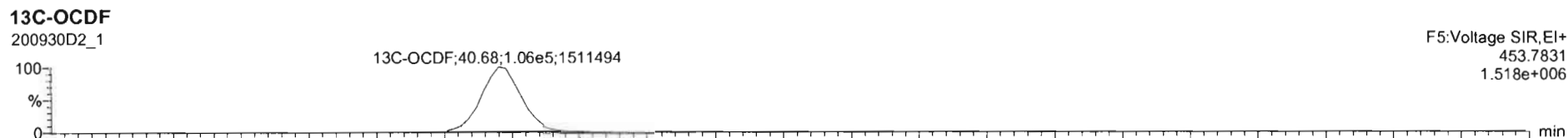
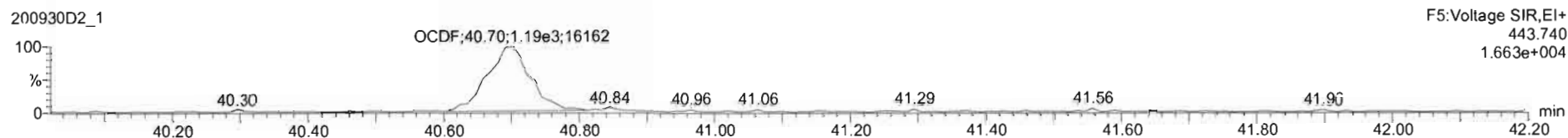
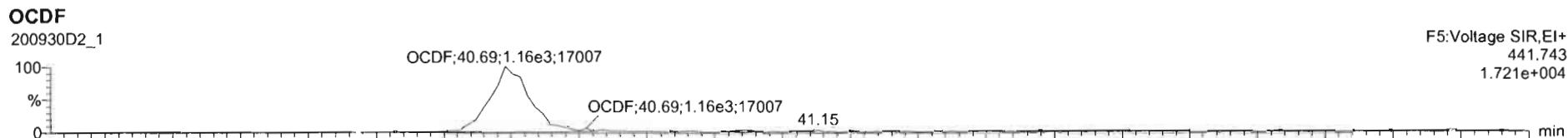


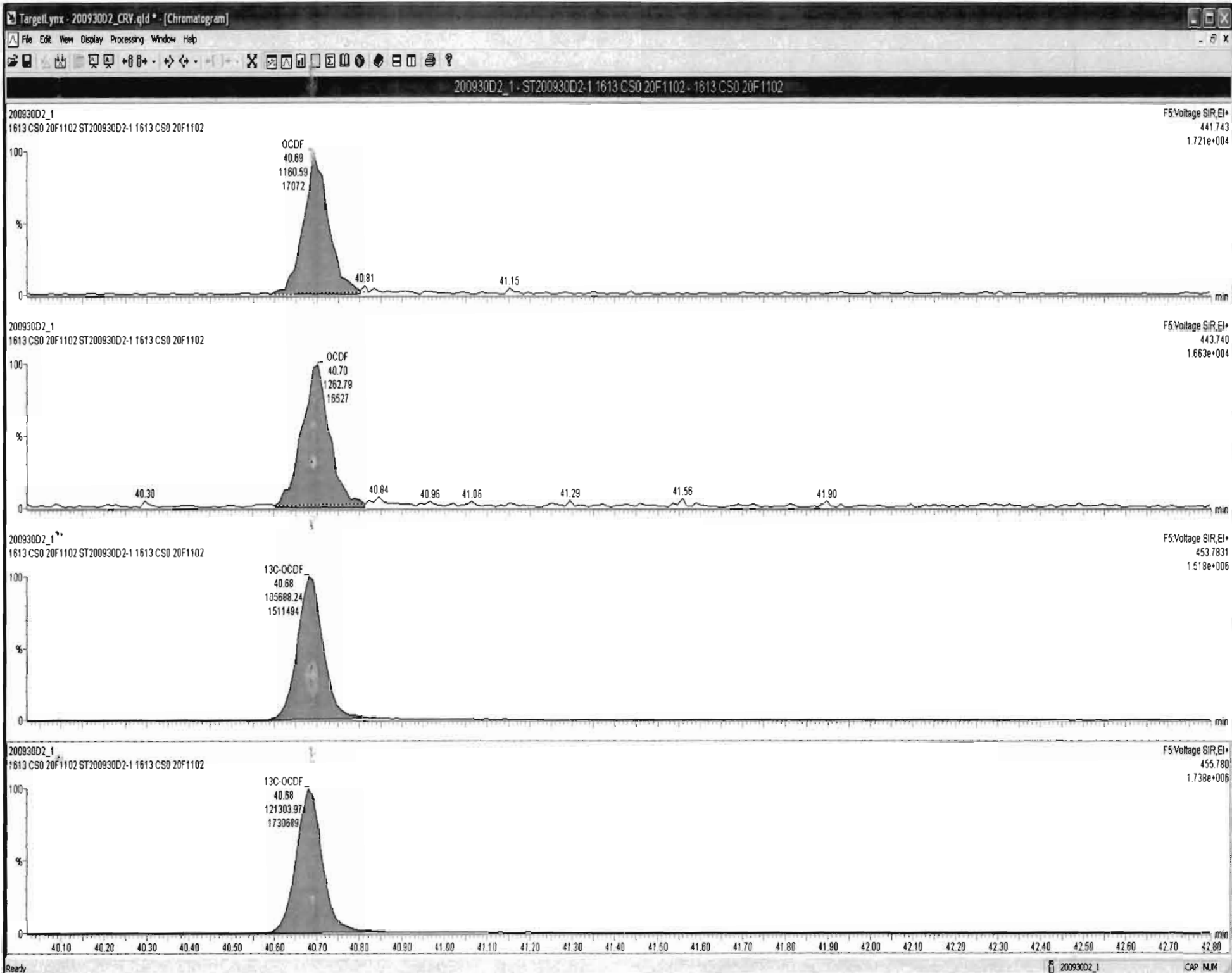
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time

Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

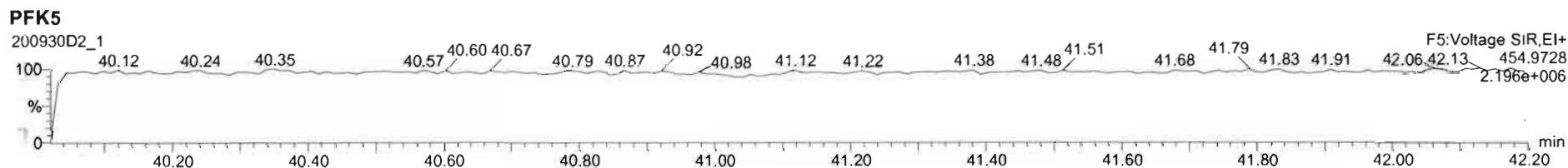
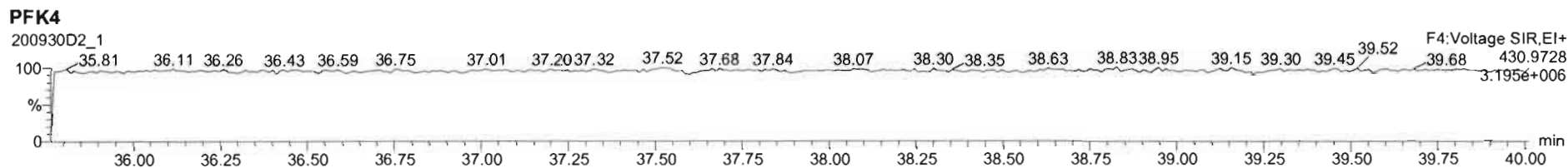
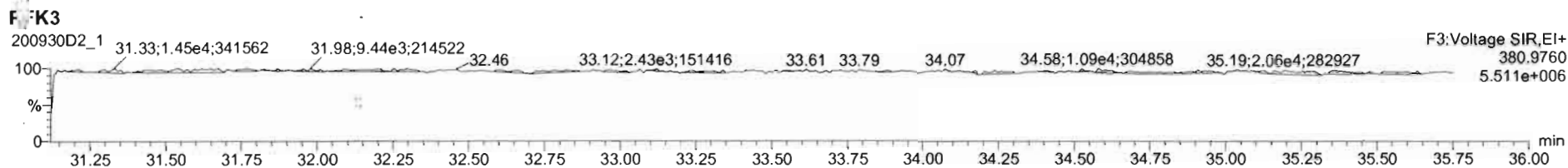
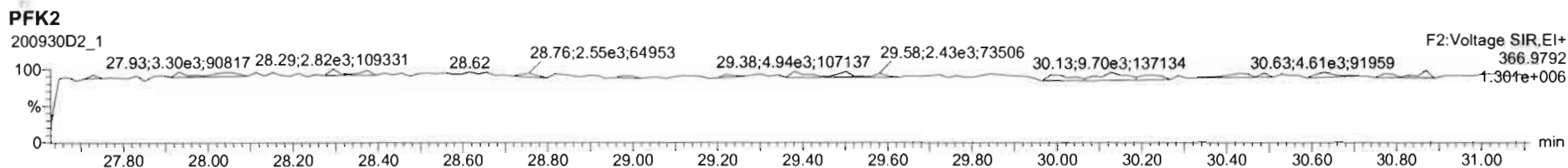
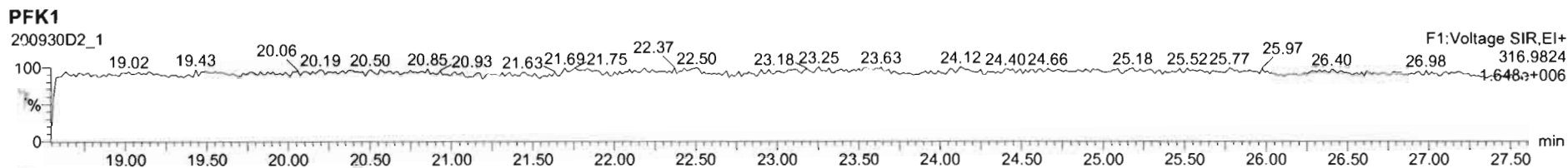




Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102



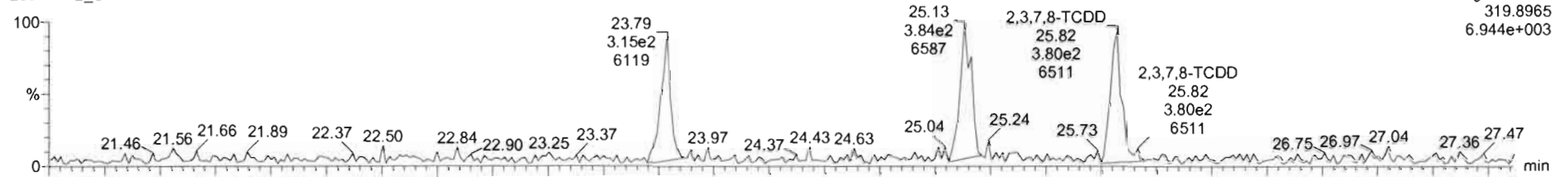
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

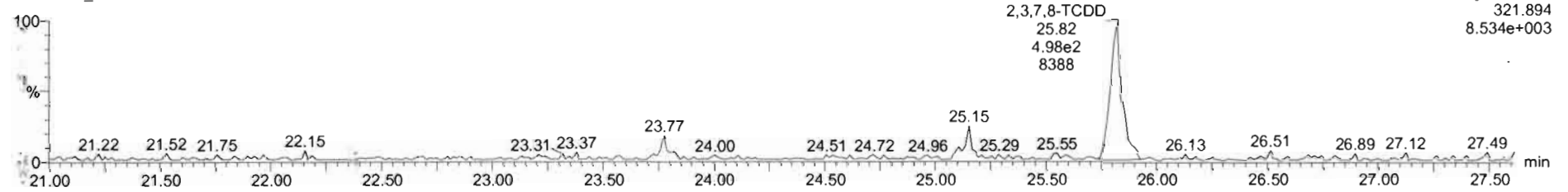
Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

2,3,7,8-TCDD

200930D2_2

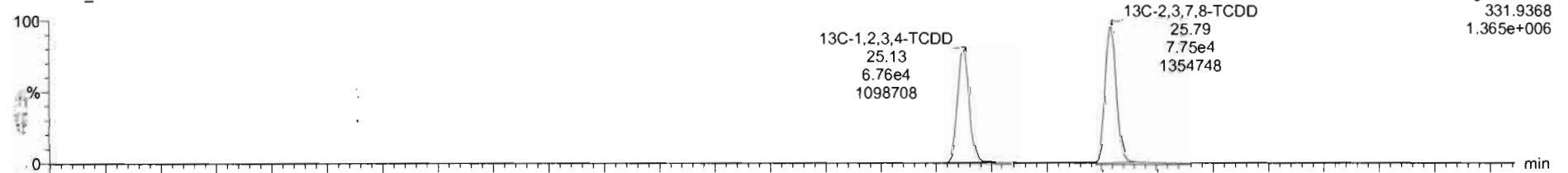


200930D2_2

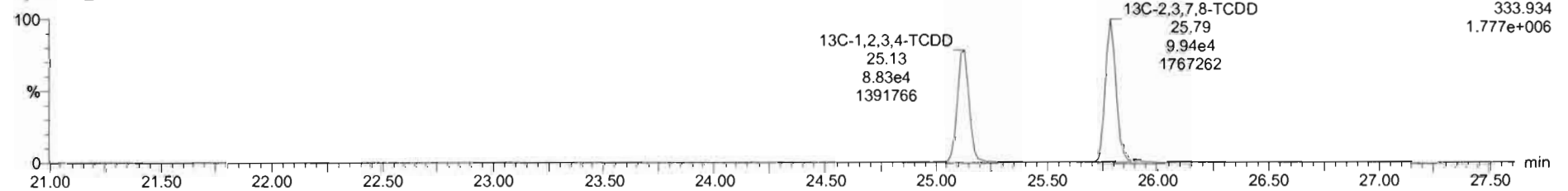


13C-2,3,7,8-TCDD

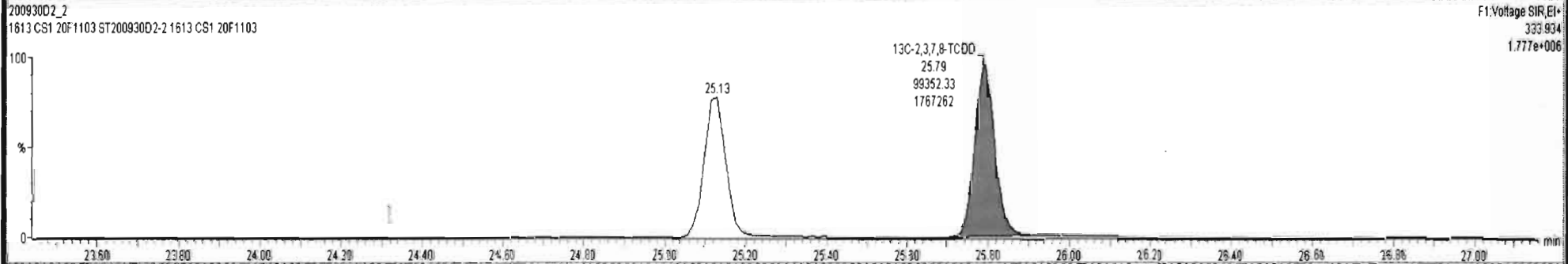
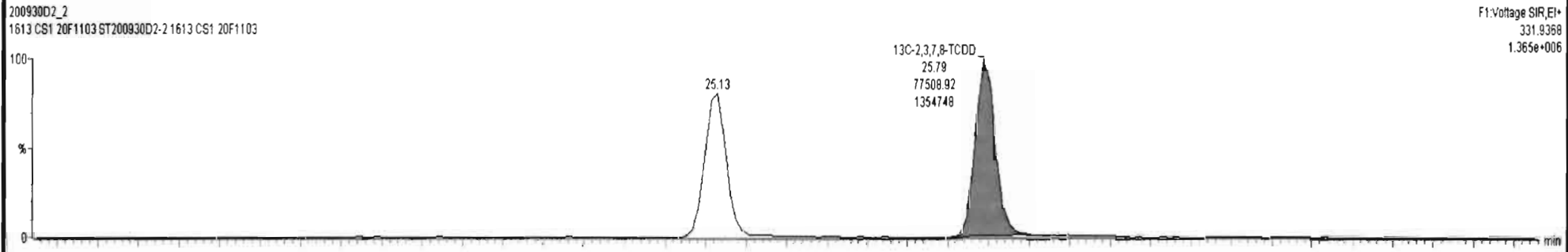
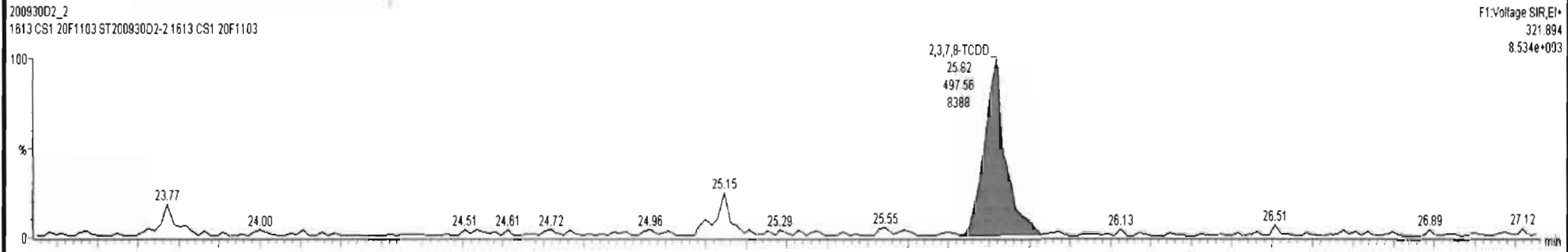
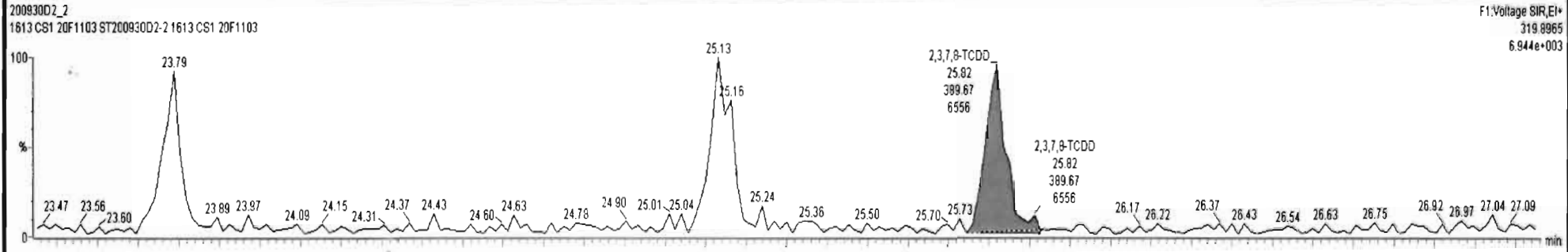
200930D2_2



200930D2_2



200930D2_2 - ST200930D2-2 1613 CS1 20F1103 - 1613 CS1 20F1103



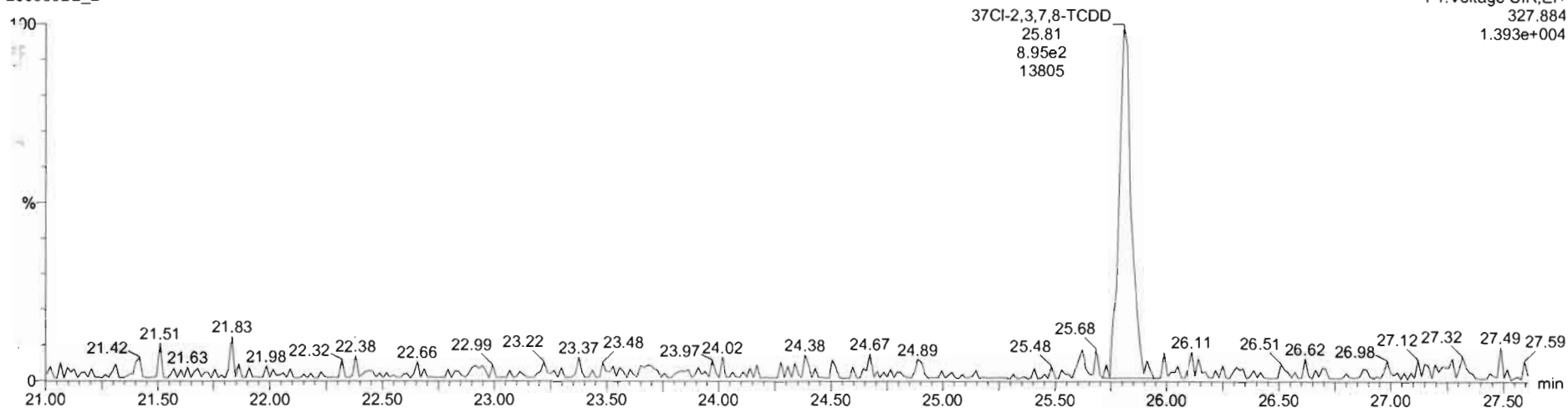
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

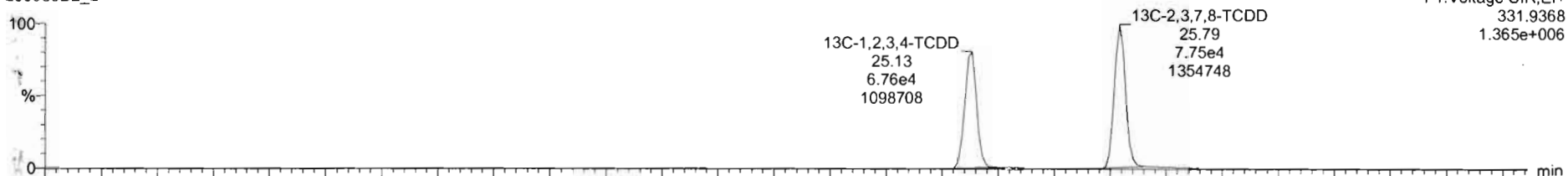
37Cl-2,3,7,8-TCDD

200930D2_2

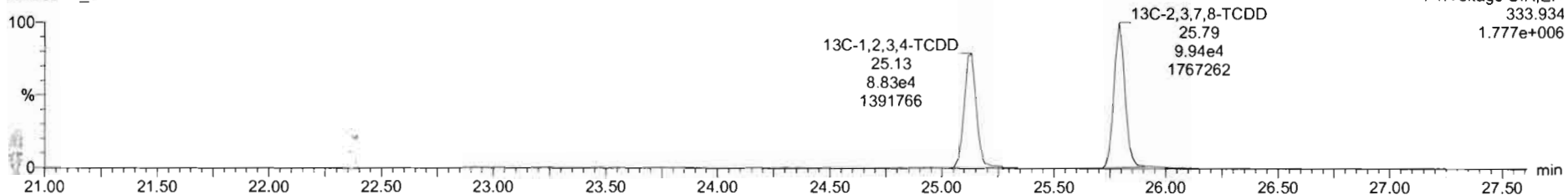


13C-1,2,3,4-TCDD

200930D2_2



200930D2_2



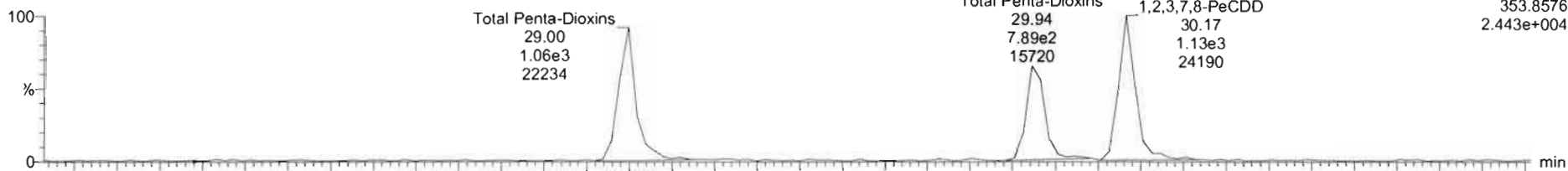
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

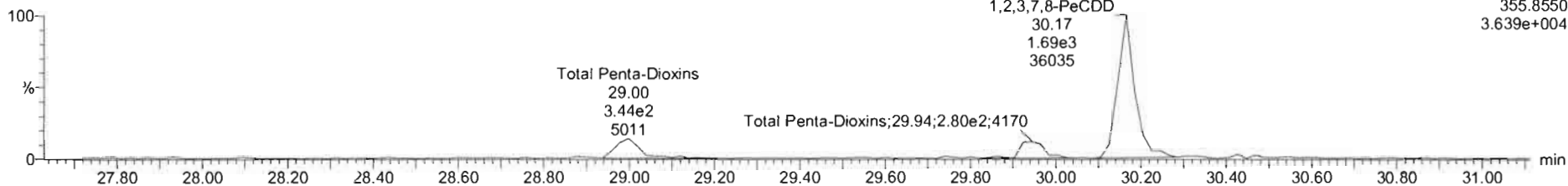
Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

1,2,3,7,8-PeCDD

200930D2_2

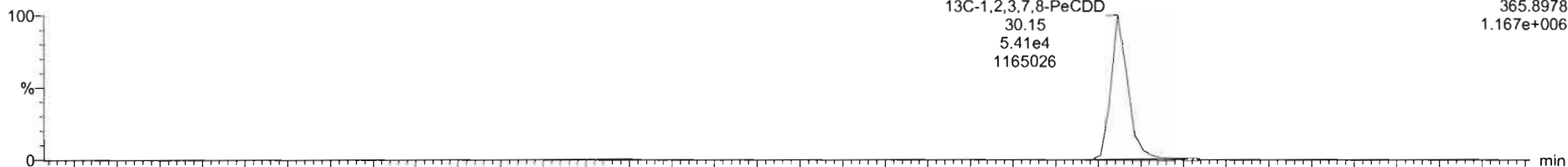


200930D2_2

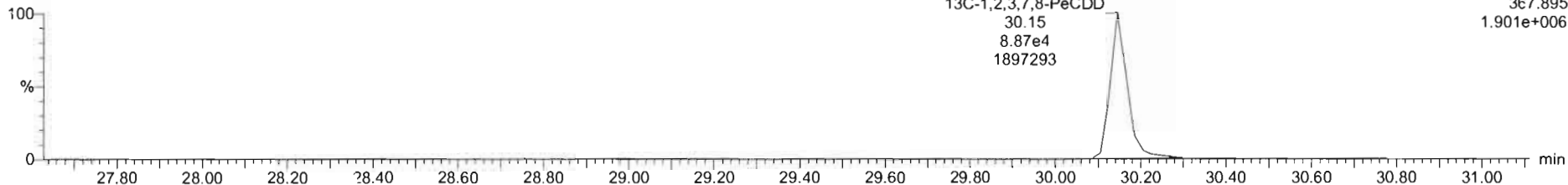


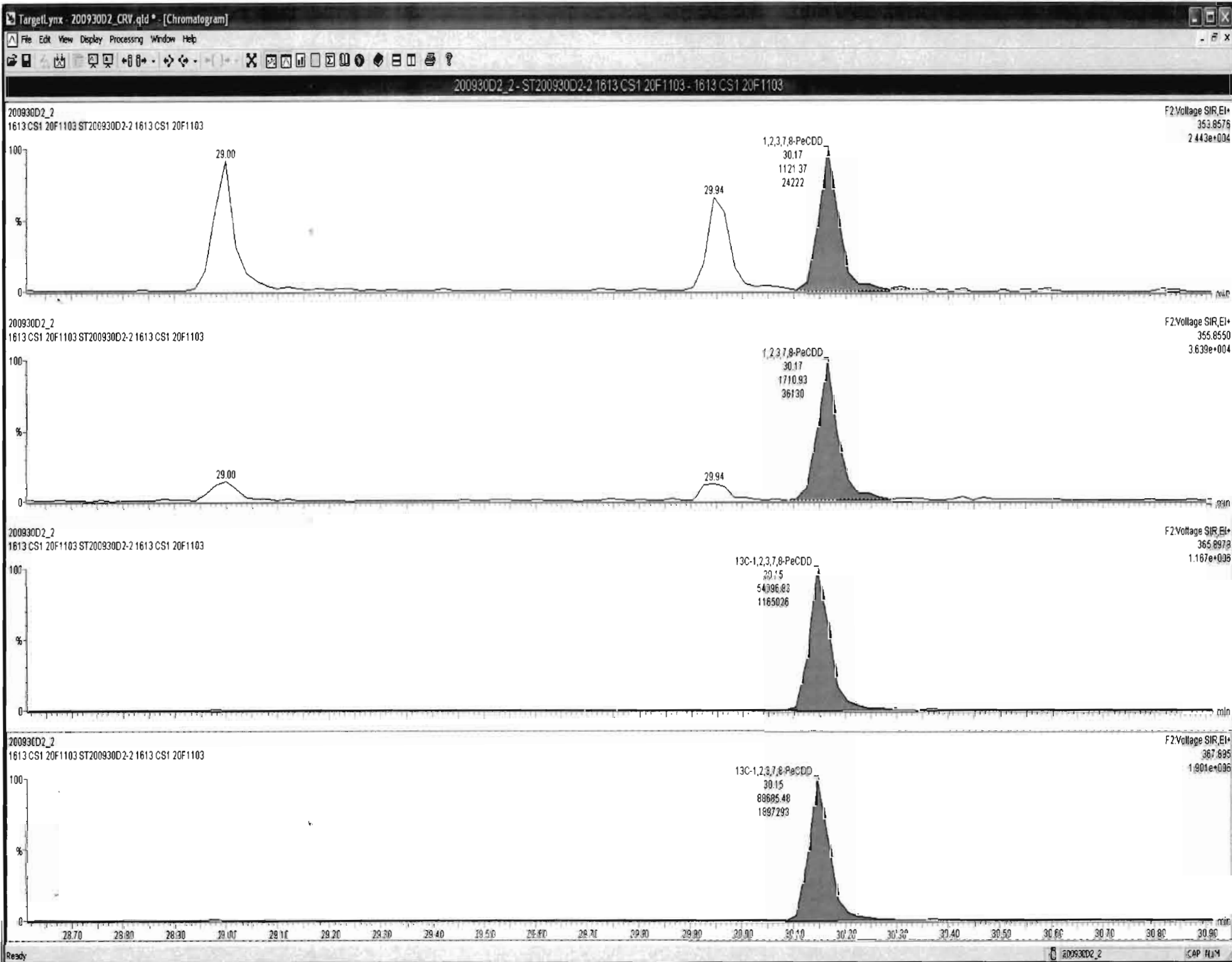
13C-1,2,3,7,8-PeCDD

200930D2_2



200930D2_2





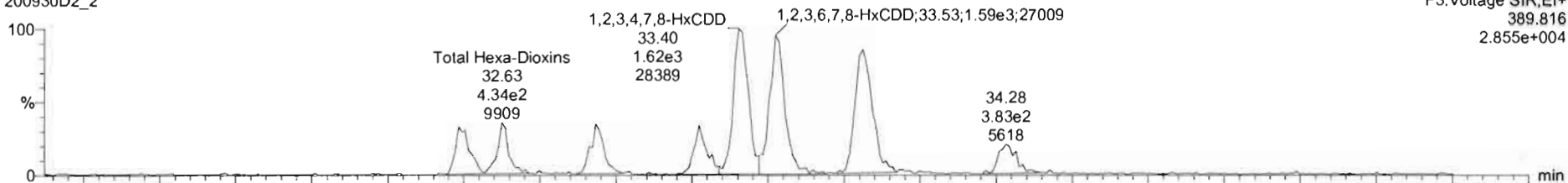
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

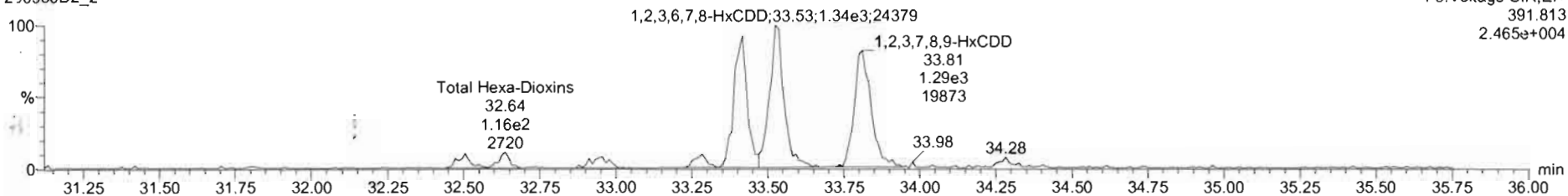
Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

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

200930D2_2

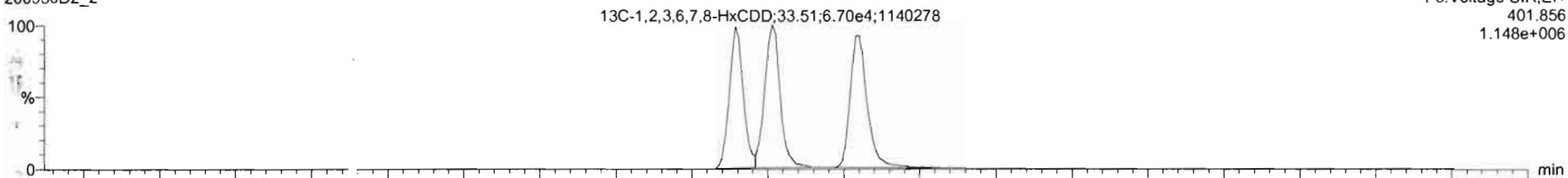


200930D2_2

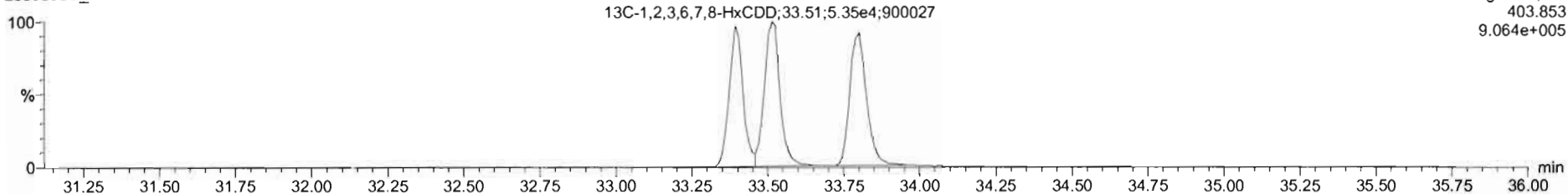


13C-1,2,3,4,7,8-HxCDD

200930D2_2



200930D2_2

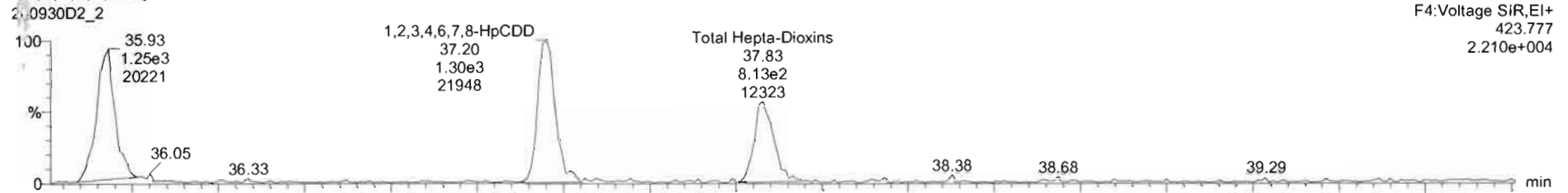


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

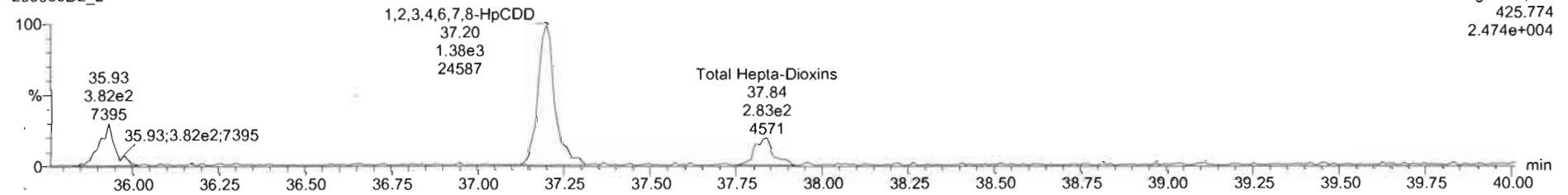
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

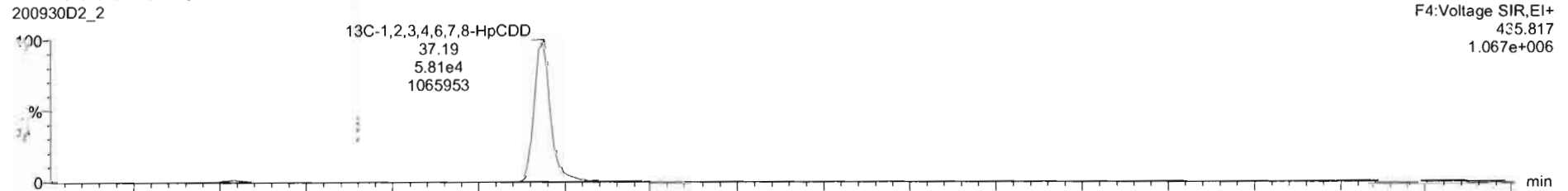
1,2,3,4,6,7,8-HpCDD



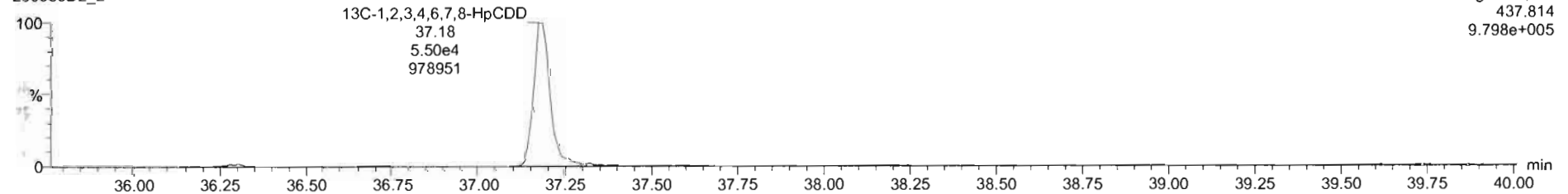
200930D2_2



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



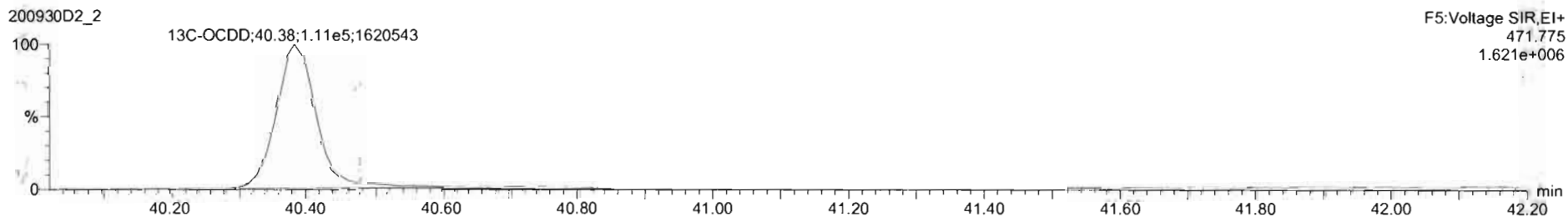
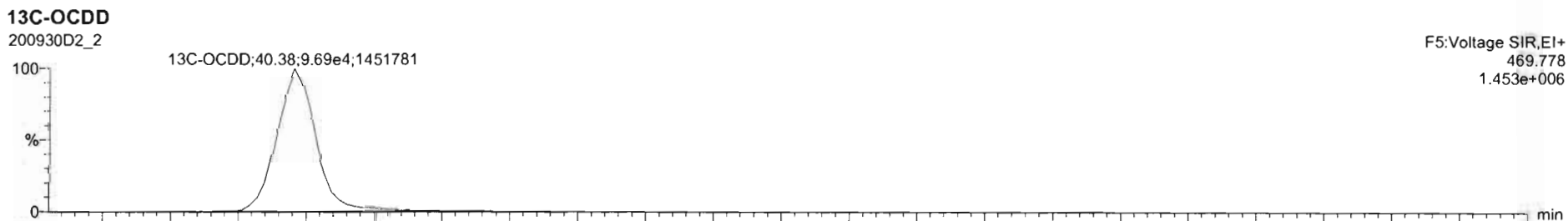
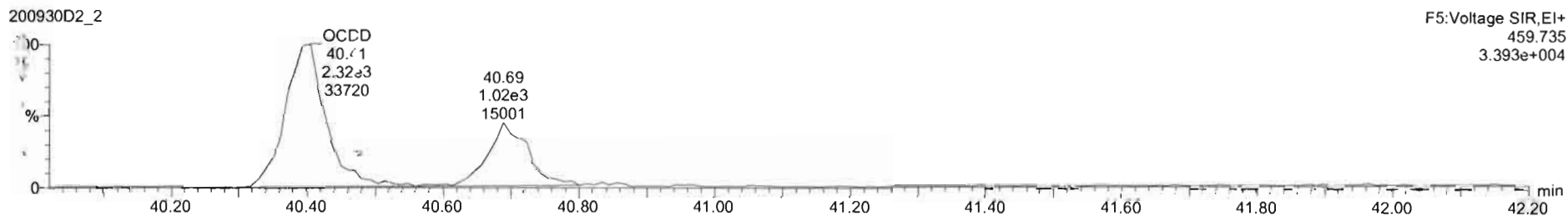
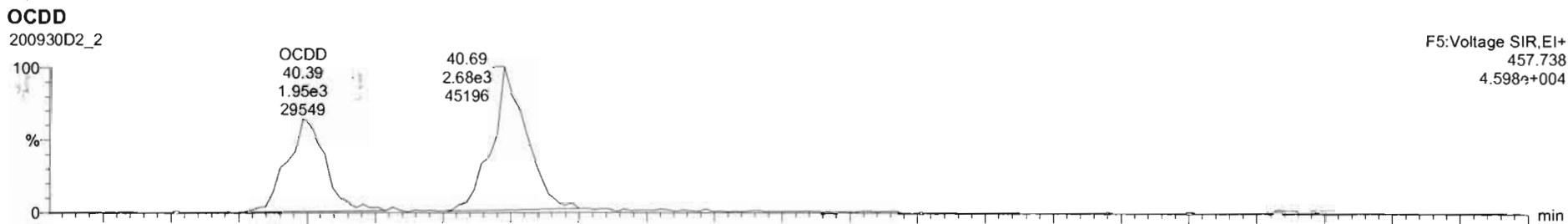
200930D2_2



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103



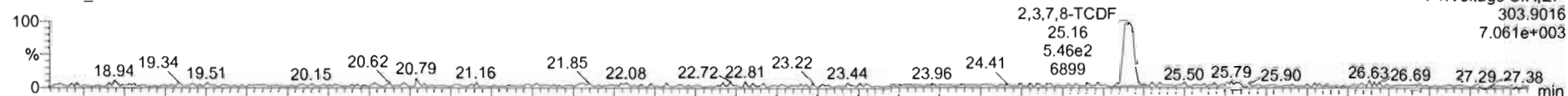
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

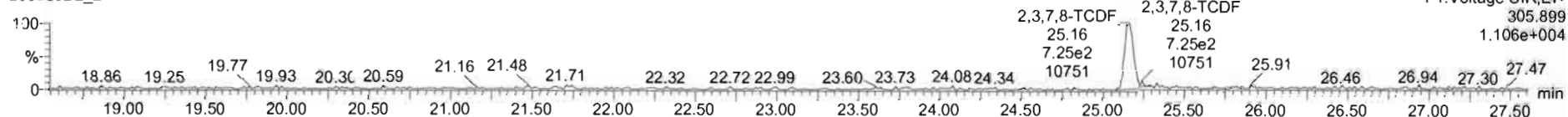
Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

2,3,7,8-TCDF

200930D2_2

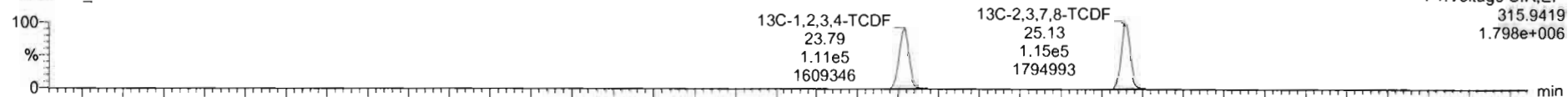


200930D2_2

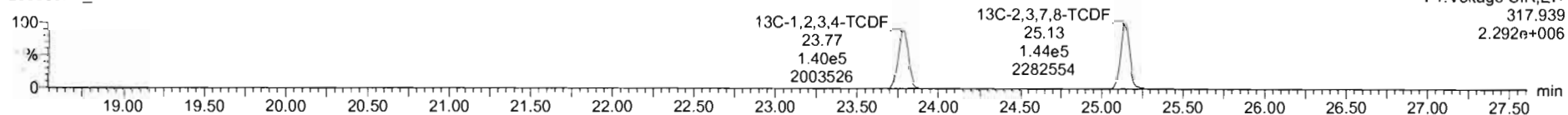


13C-2,3,7,8-TCDF

200930D2_2

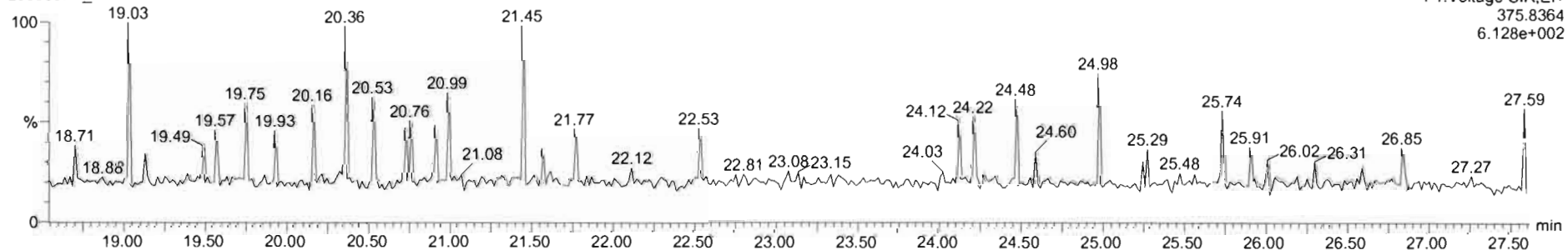


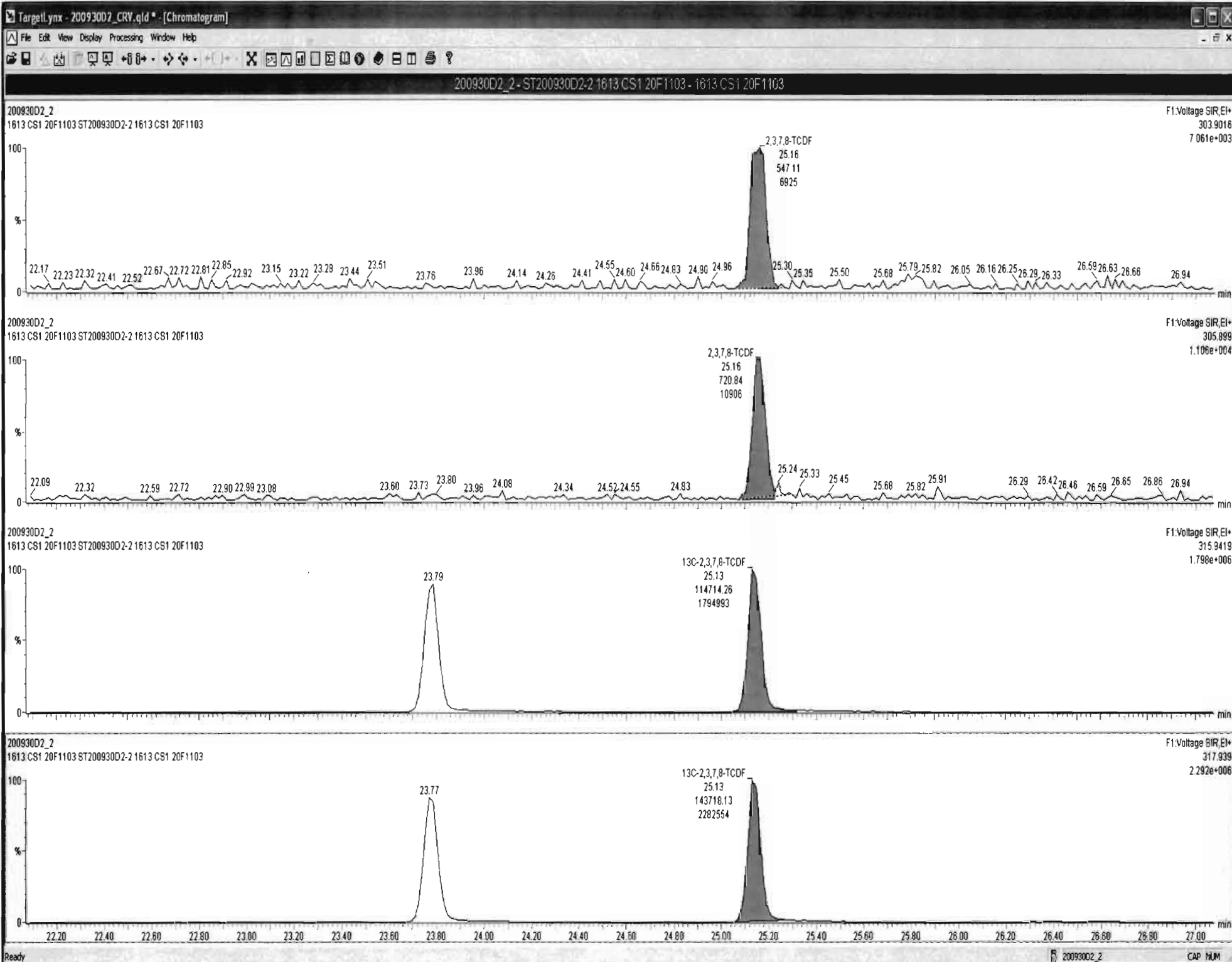
200930D2_2



2,3,7,8-TCDF

200930D2_2





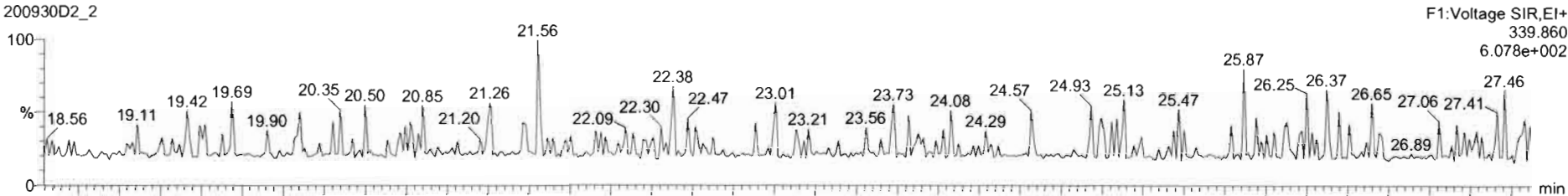
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

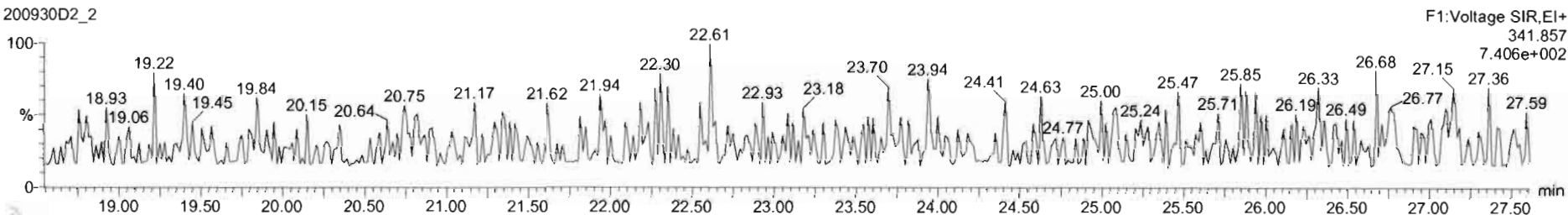
1st Func. Penta-Furans

200930D2_2



F1: Voltage SIR, EI+
339.860
6.078e+002

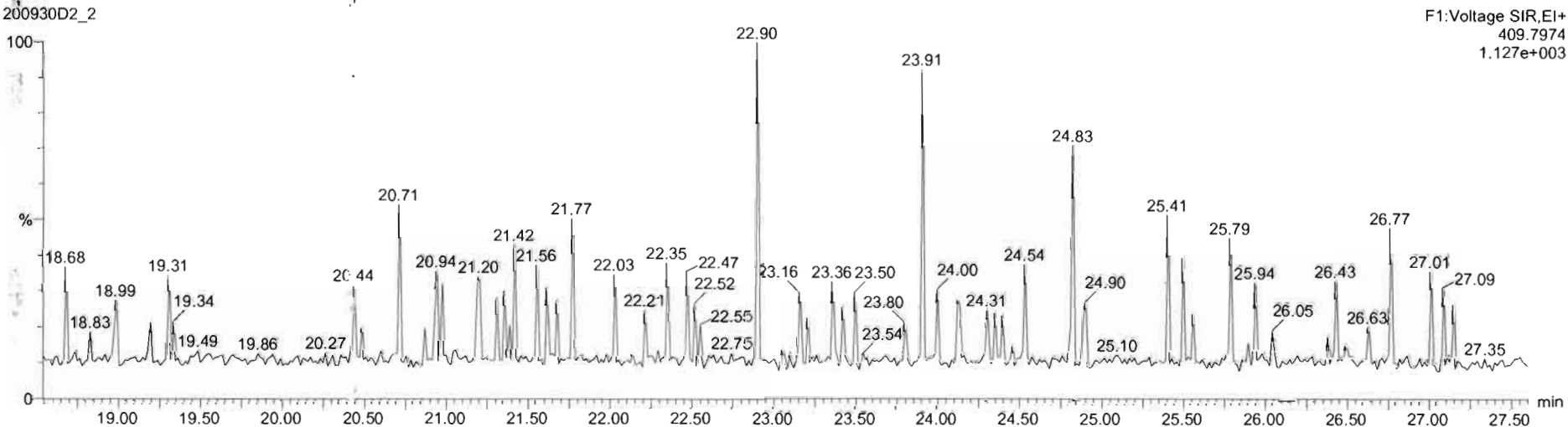
200930D2_2



F1: Voltage SIR, EI+
341.857
7.406e+002

DPE6

200930D2_2



F1: Voltage SIR, EI+
409.7974
1.127e+003

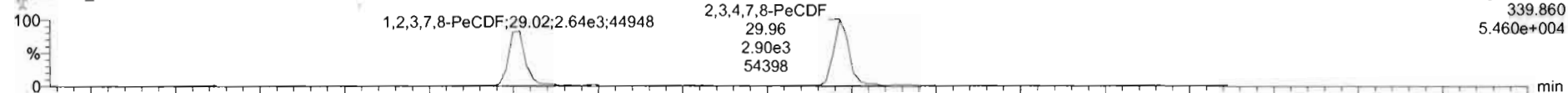
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

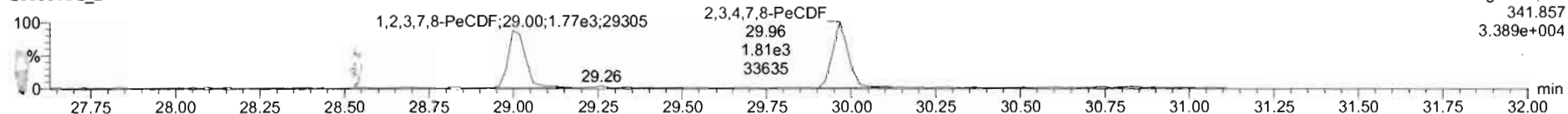
1,2,3,7,8-PeCDF

200930D2_2



F2: Voltage S:R,EI+
339.860
5.460e+004

200930D2_2



F2: Voltage SIR,EI+
341.857
3.389e+004

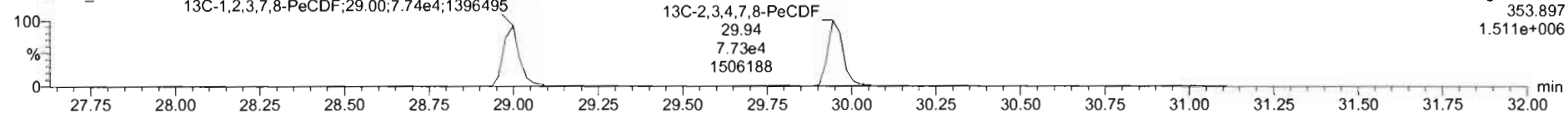
13C-1,2,3,7,8-PeCDF

200930D2_2



F2: Voltage SIR,EI+
351.900
2.304e+006

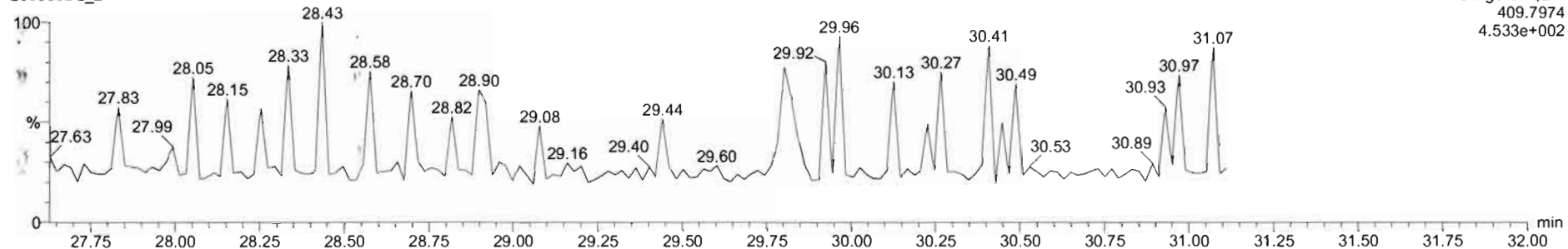
200930D2_2



F2: Voltage SIR,EI+
353.897
1.511e+006

DPE2

200930D2_2



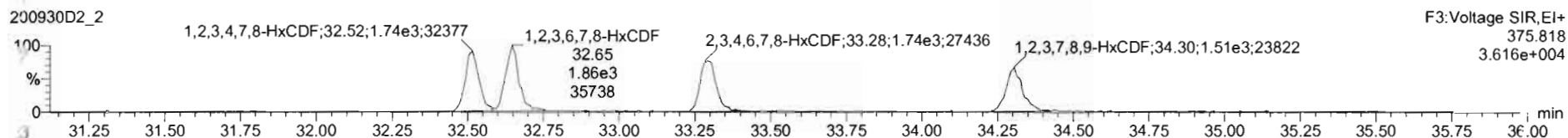
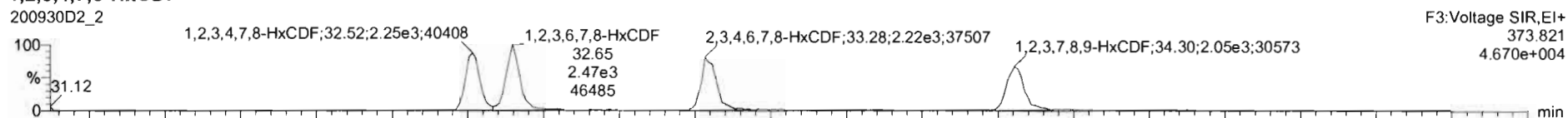
F2: Voltage SIR,EI+
409.7974
4.533e+002

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

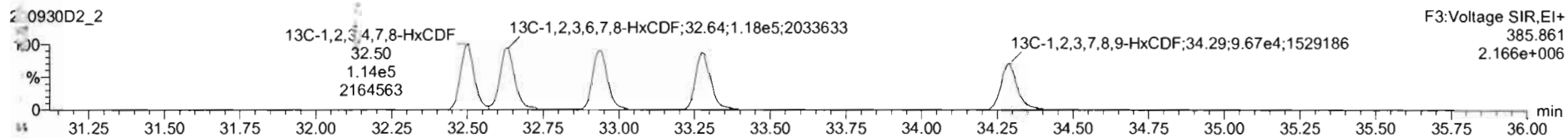
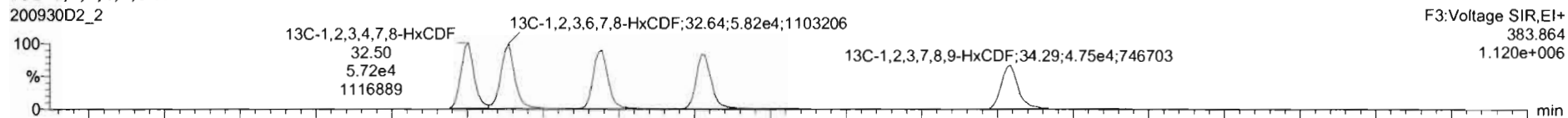
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

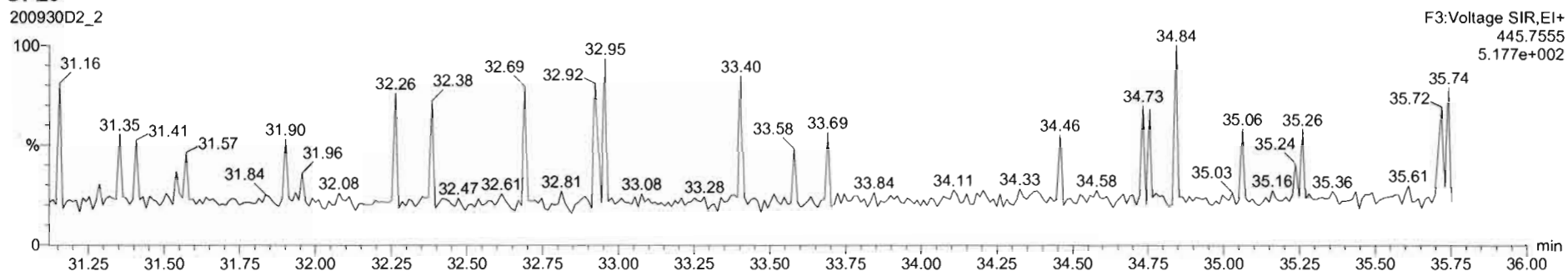
1,2,3,4,7,8-HxCDF



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



DPE3

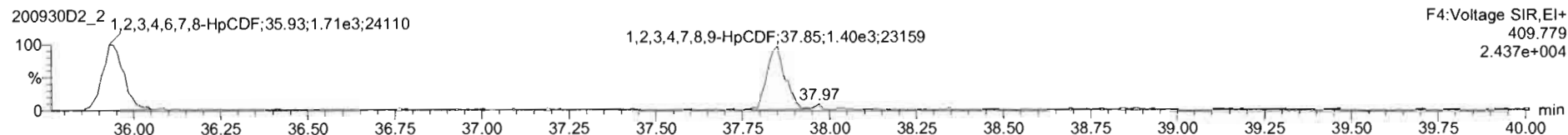
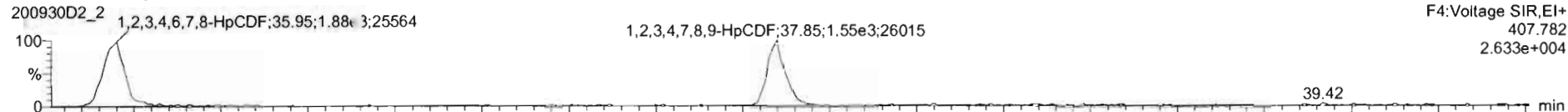


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

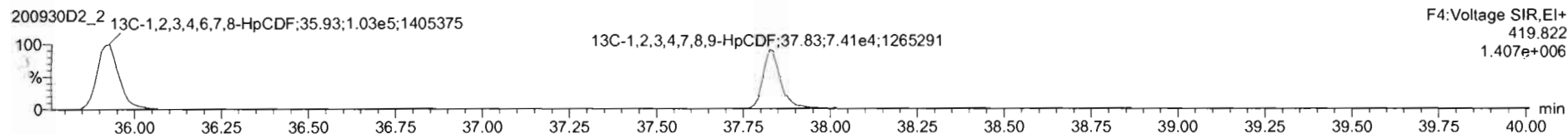
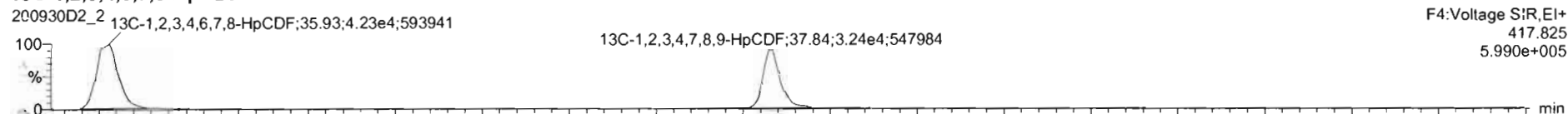
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

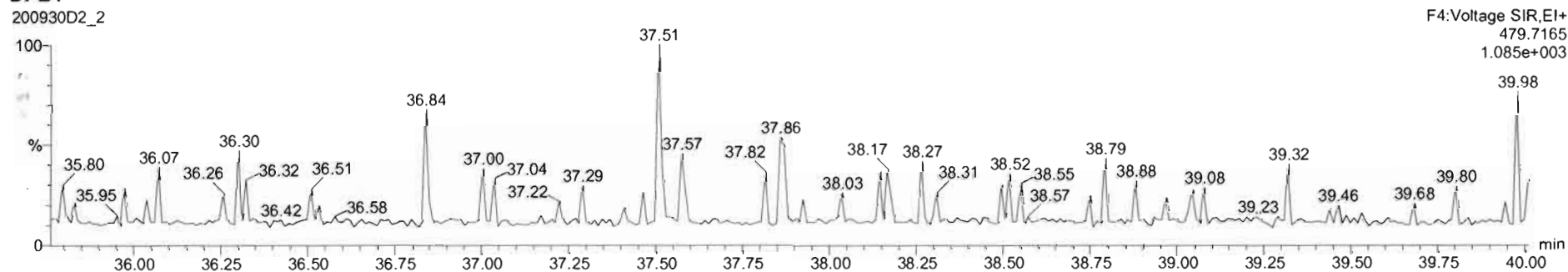
1,2,3,4,6,7,8-HpCDF



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



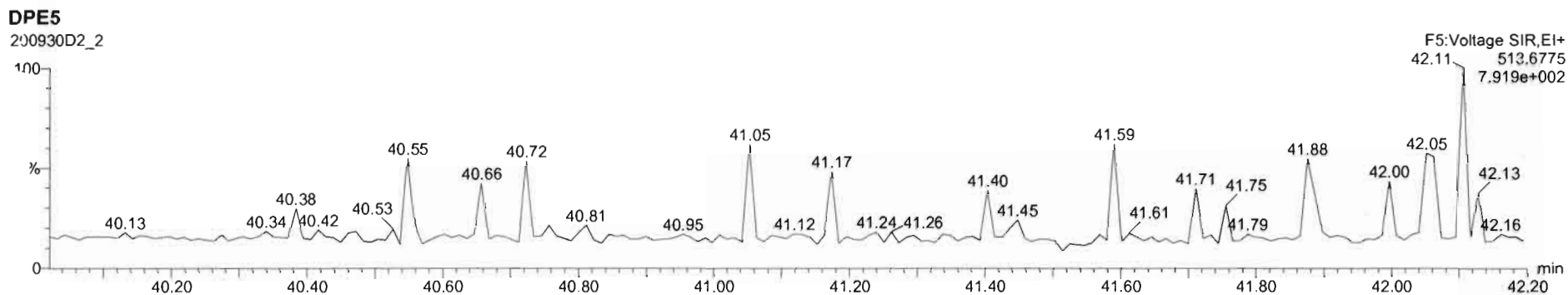
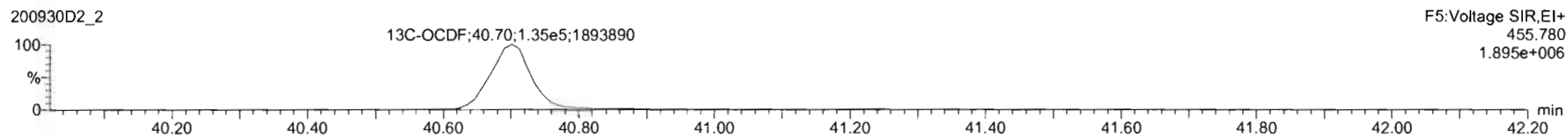
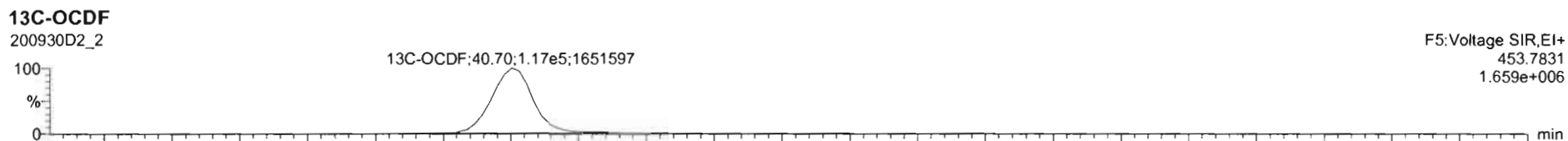
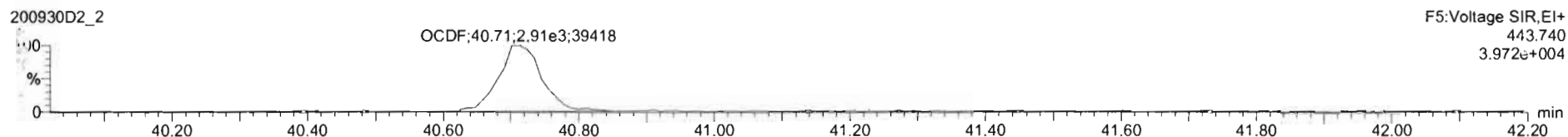
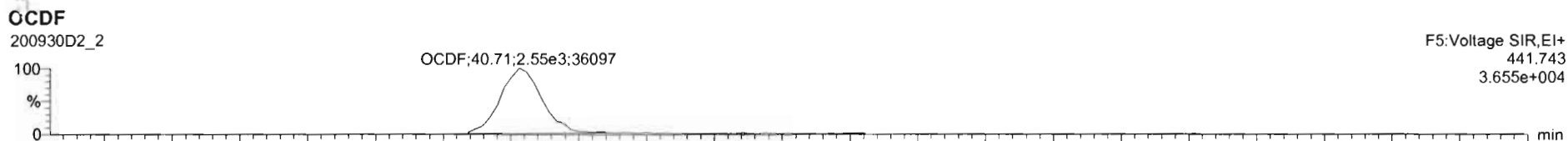
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

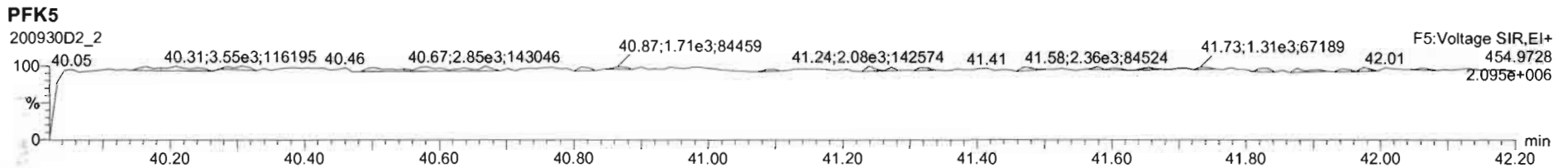
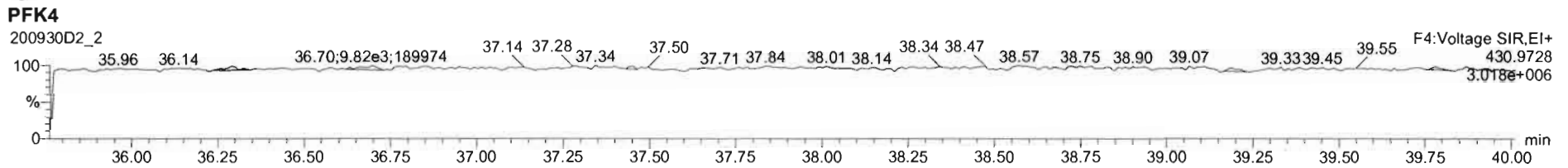
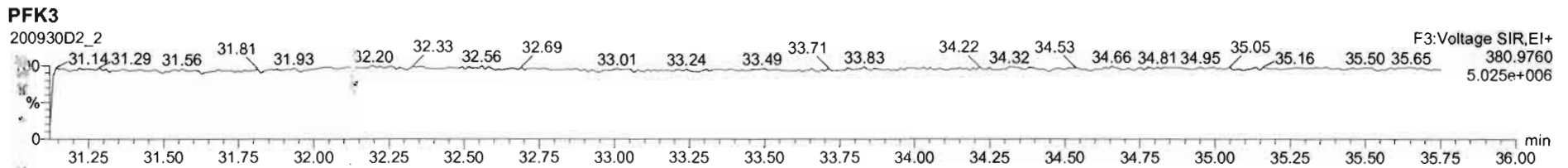
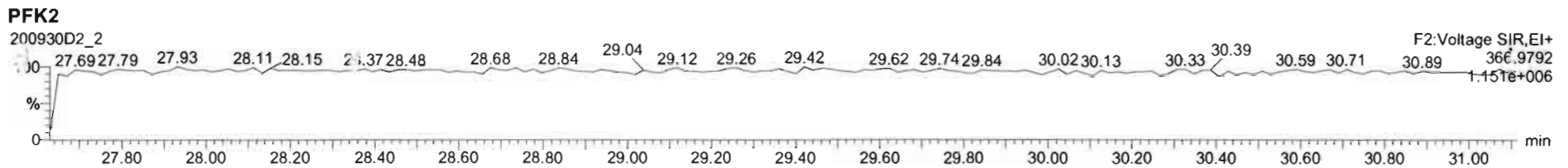
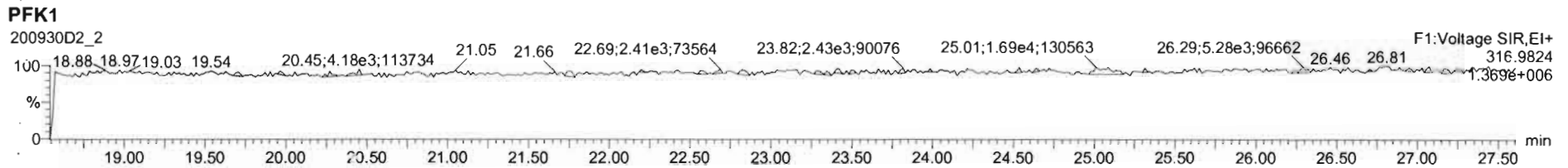
Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103



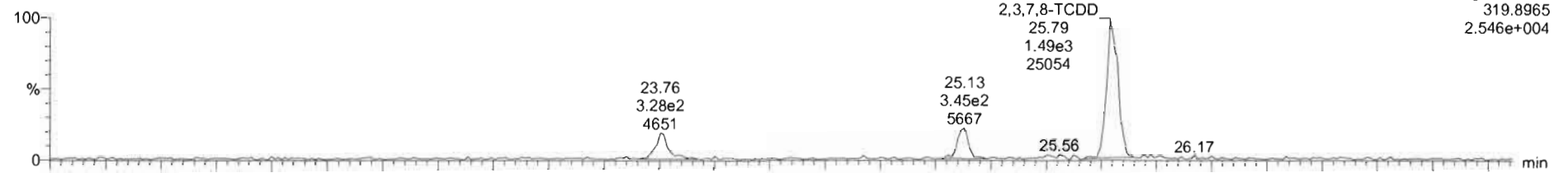
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

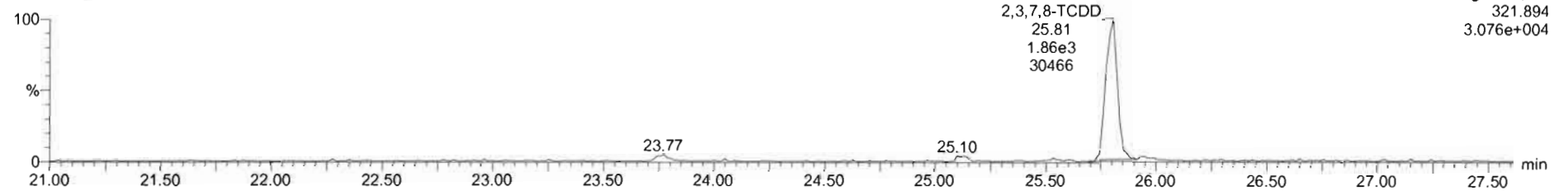
Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

2,3,7,8-TCDD

200930D2_3

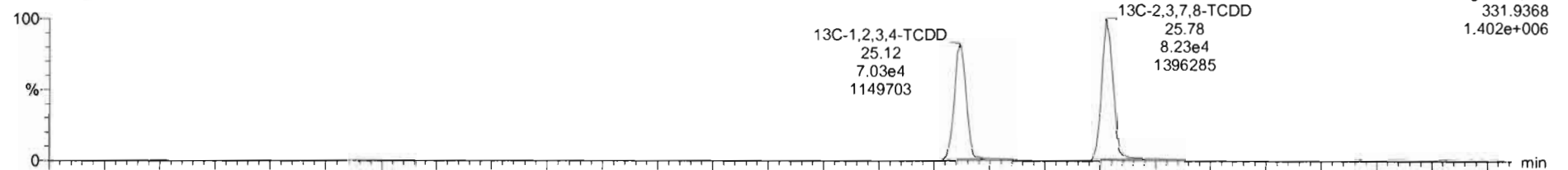


200930D2_3

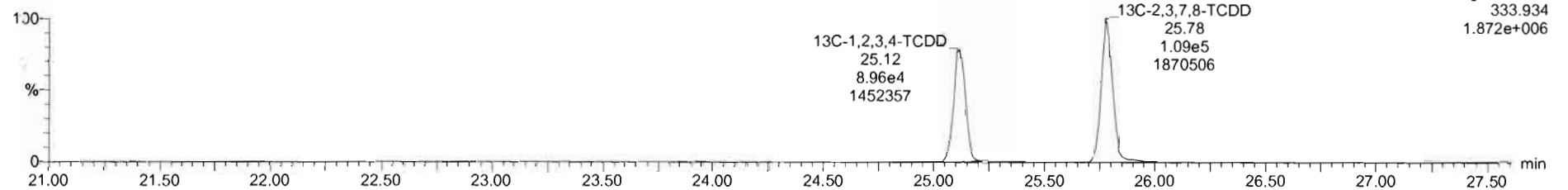


13C-2,3,7,8-TCDD

200930D2_3



200930D2_3

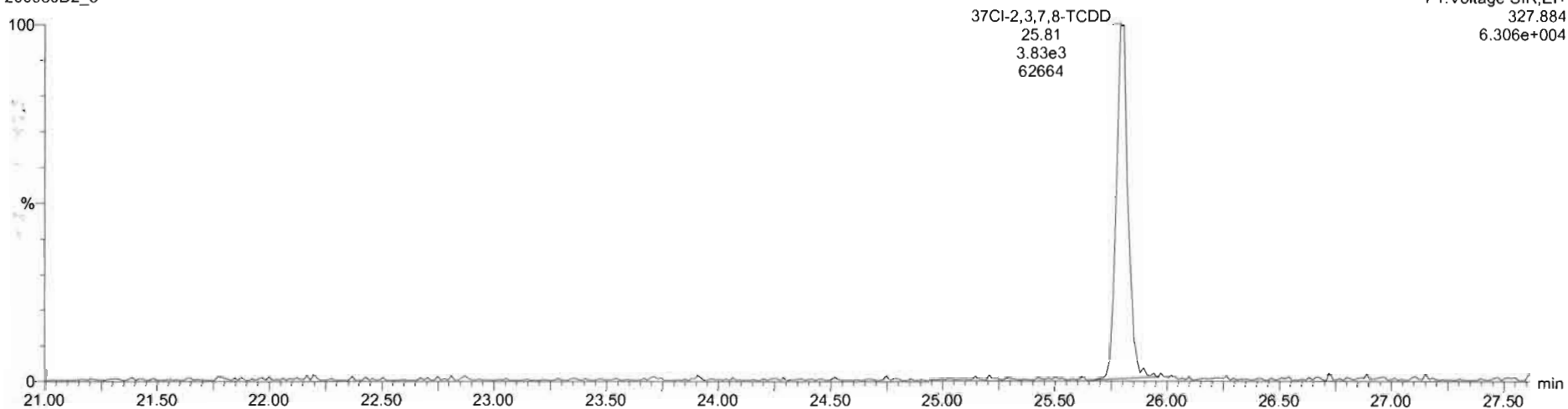


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

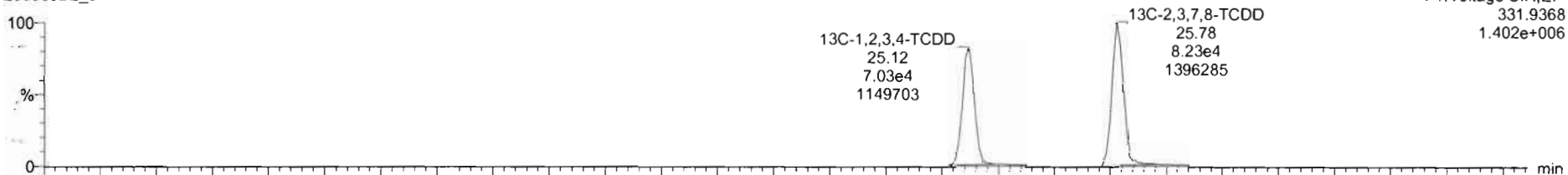
List Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

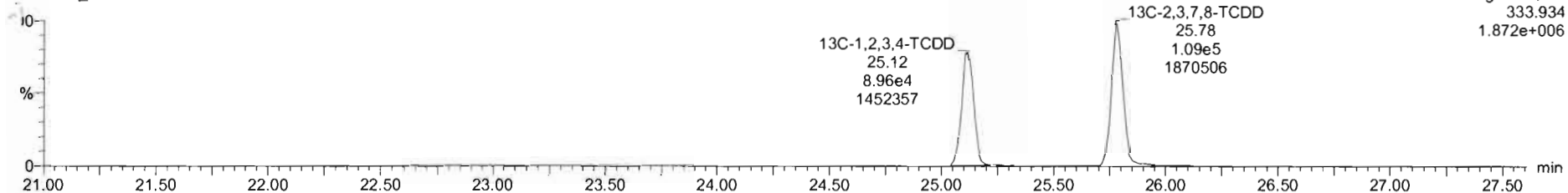
37Cl-2,3,7,8-TCDD
200930D2_3



13C-1,2,3,4-TCDD
200930D2_3



200930D2_3



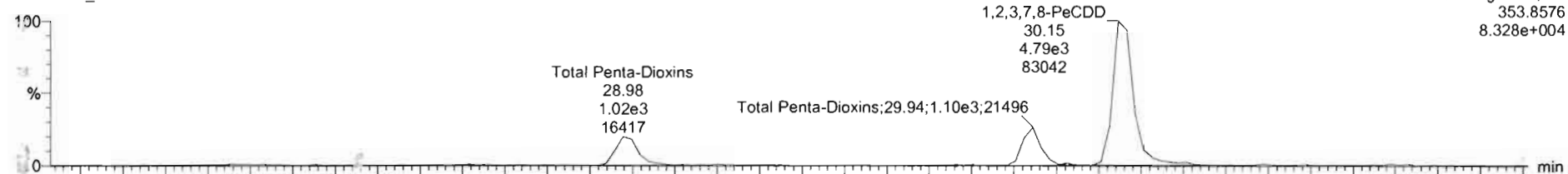
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

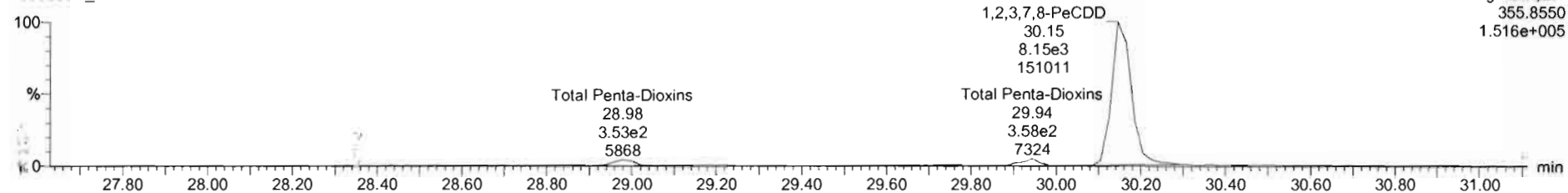
Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

1,2,3,7,8-PeCDD

200930D2_3

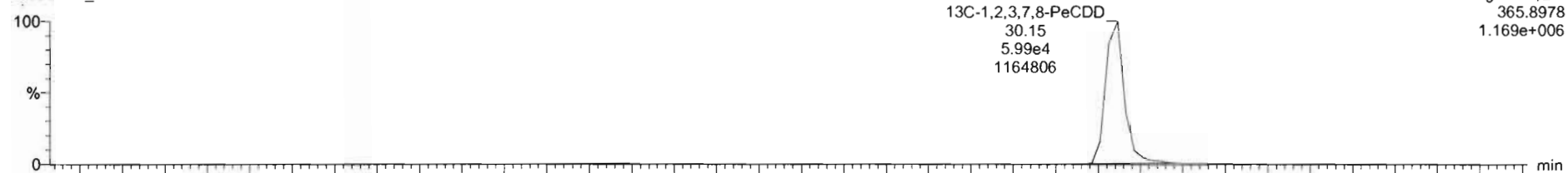


200930D2_3

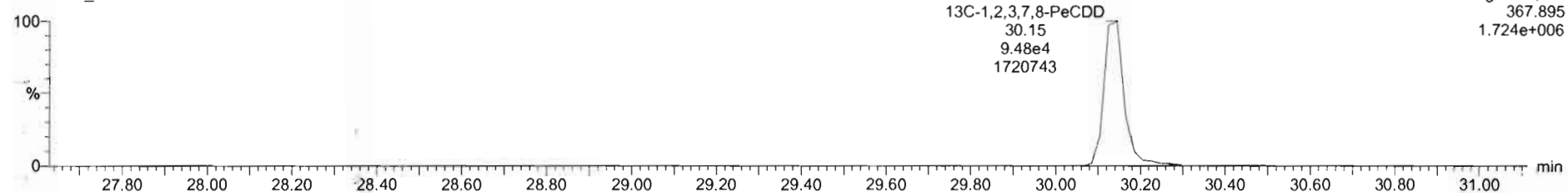


13C-1,2,3,7,8-PeCDD

200930D2_3



200930D2_3



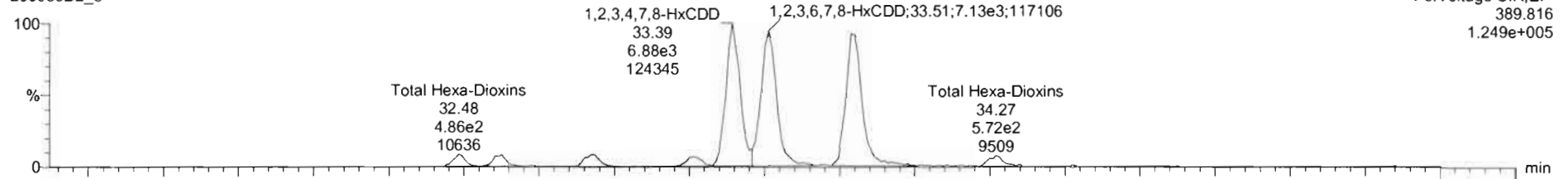
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

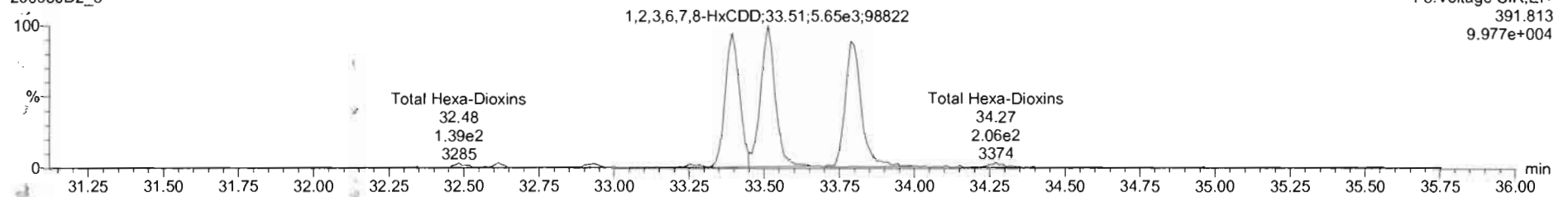
Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

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

200930D2_3

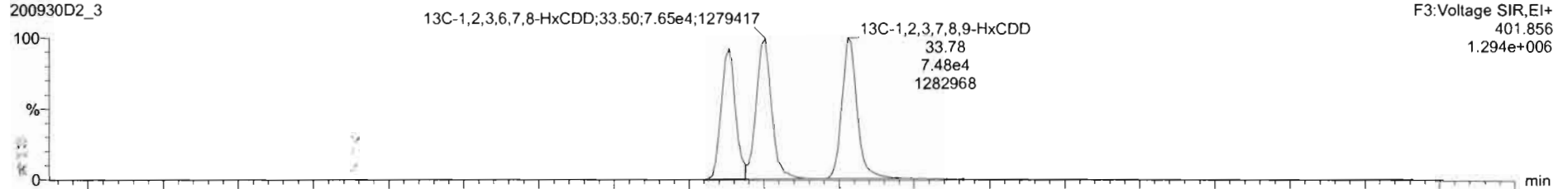


200930D2_3

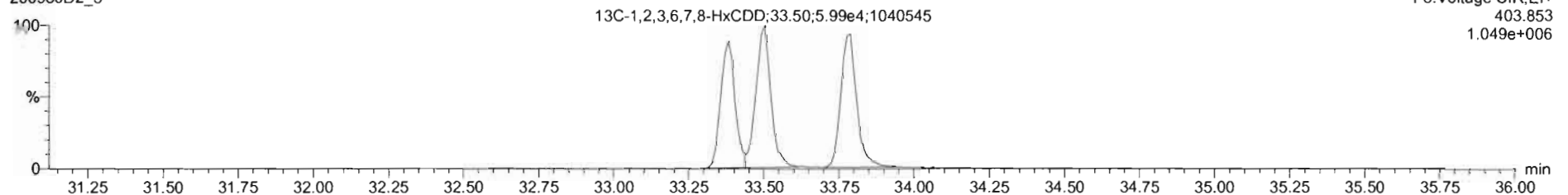


13C-1,2,3,4,7,8-HxCDD

200930D2_3



200930D2_3



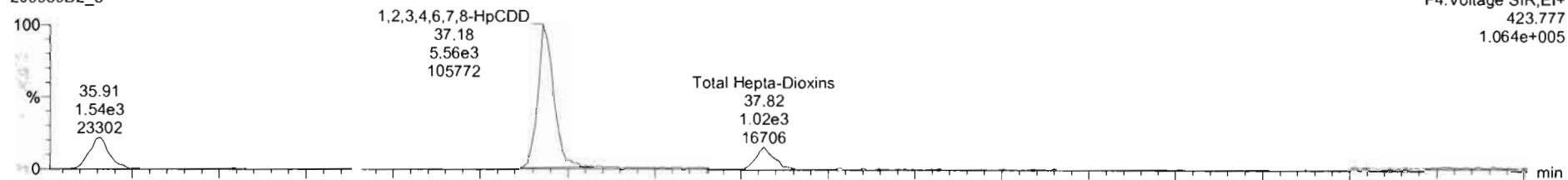
Dataset: U:\WG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

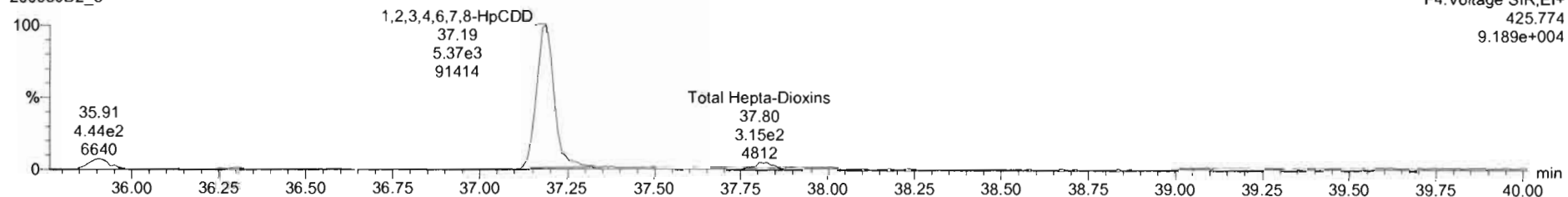
Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

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

200930D2_3

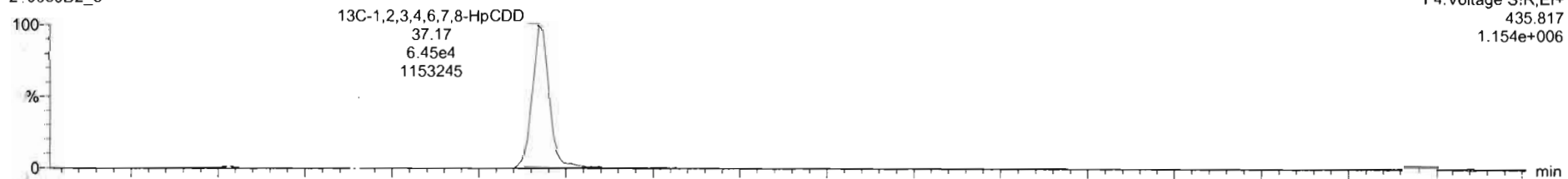


200930D2_3

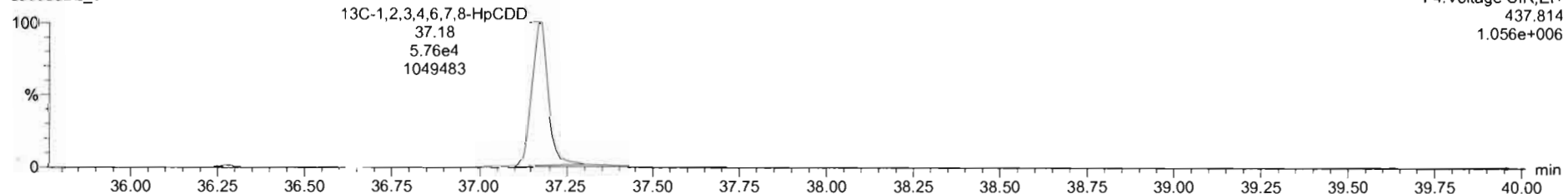


13C-1,2,3,4,6,7,8-HpCDD

200930D2_3



200930D2_3



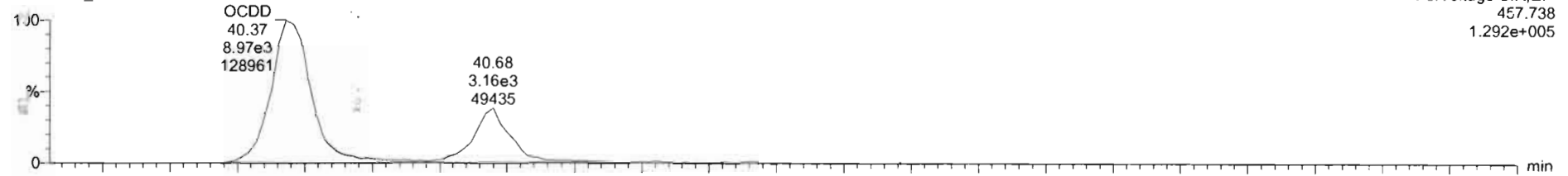
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

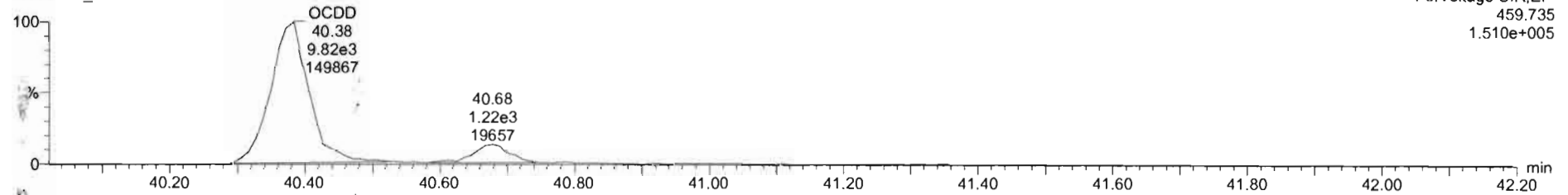
Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

OCDD

200930D2_3

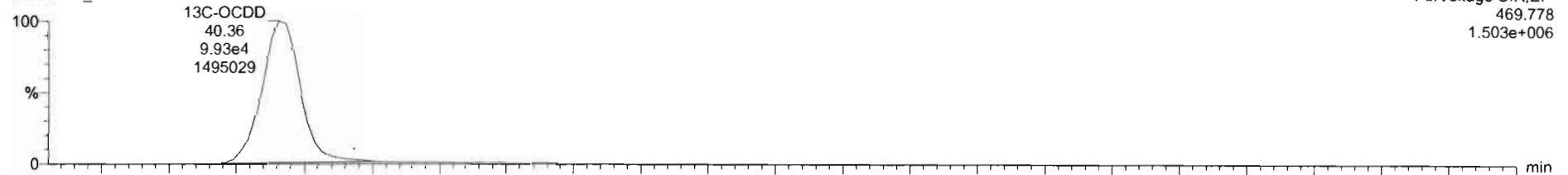


200930D2_3

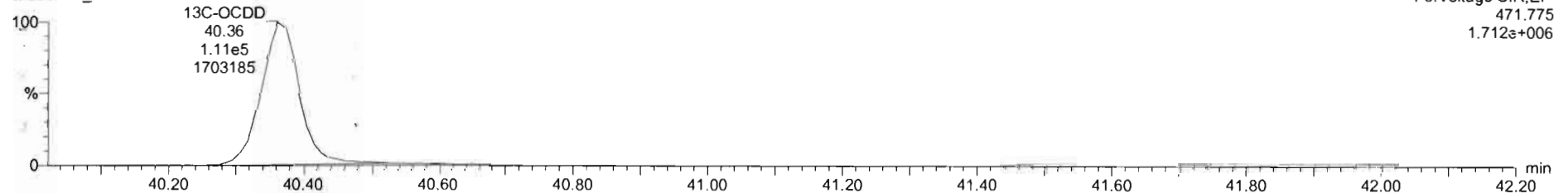


13C-OCDD

200930D2_3



200930D2_3



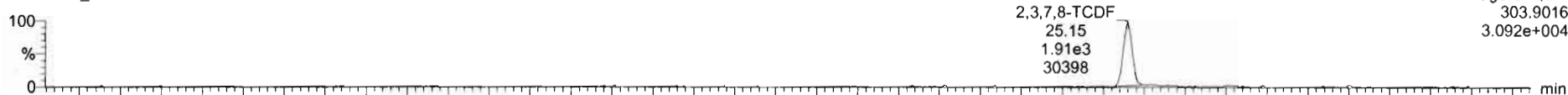
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

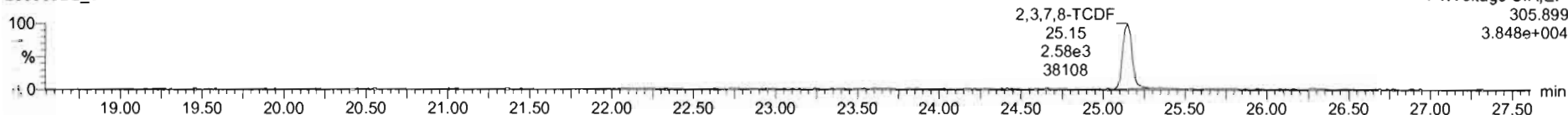
Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

2,3,7,8-TCDF

200930D2_3

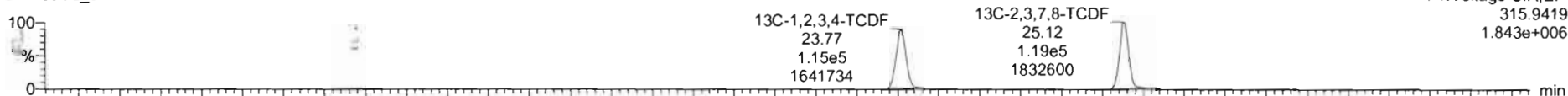


200930D2_3

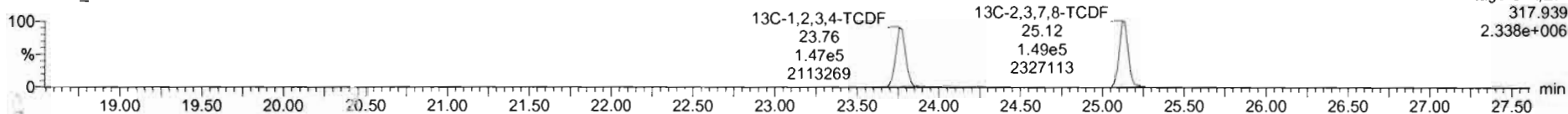


13C-2,3,7,8-TCDF

200930D2_3

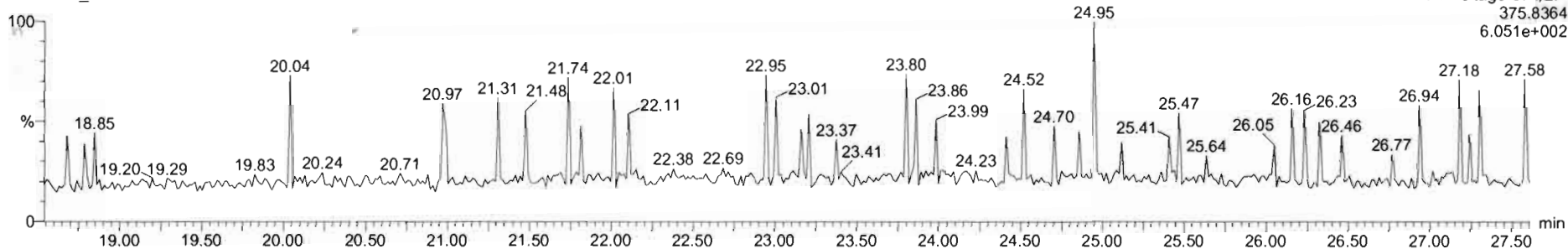


200930D2_3



DPE1

200930D2_3



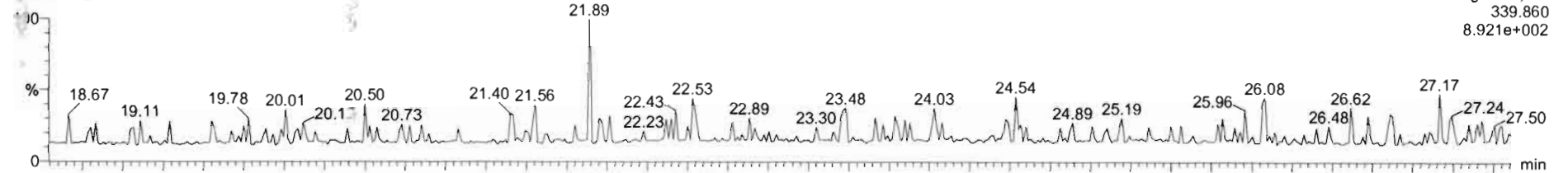
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

List Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

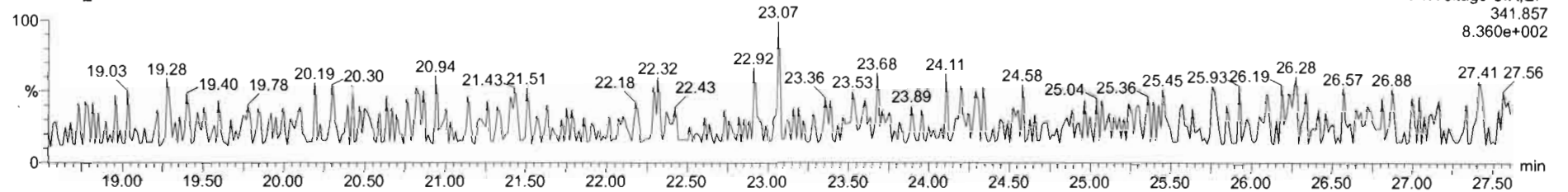
Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

1st Func. Penta-Furans

200930D2_3

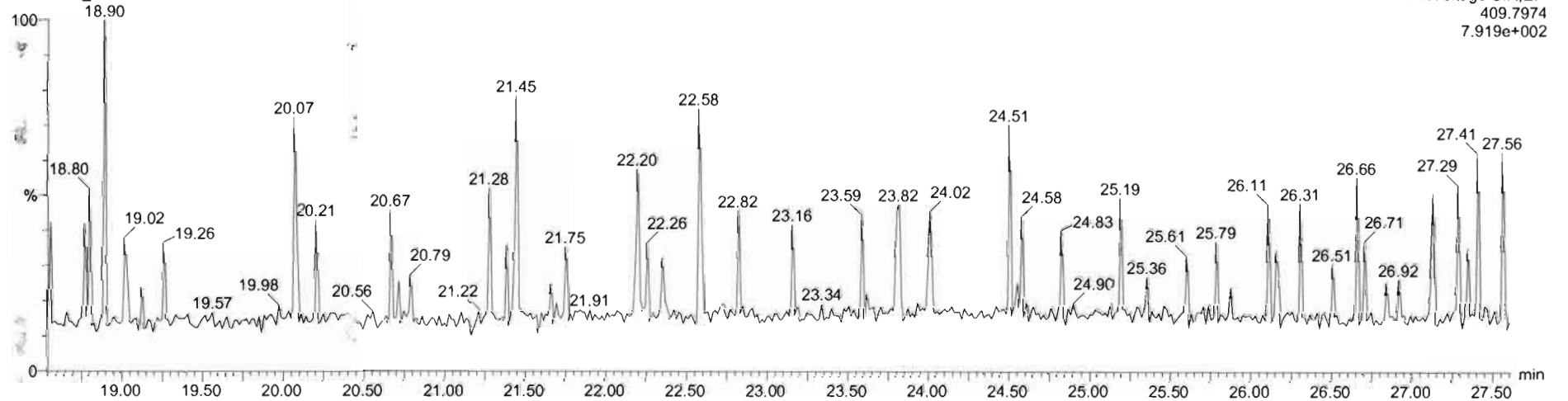


200930D2_3



DPE6

200930D2_3

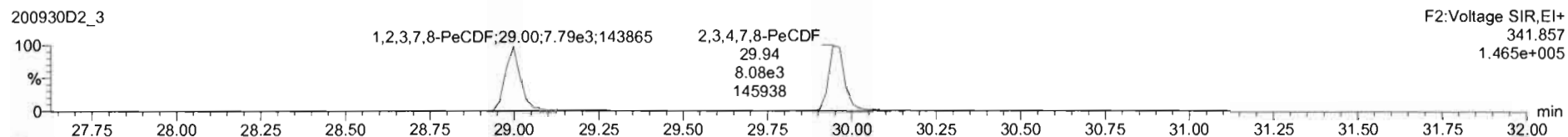
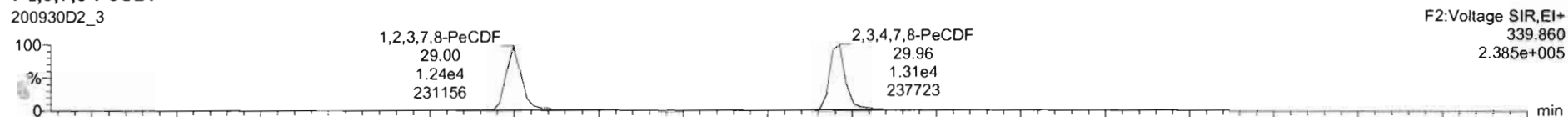


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

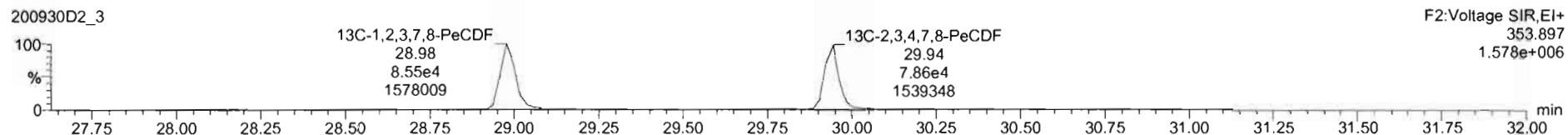
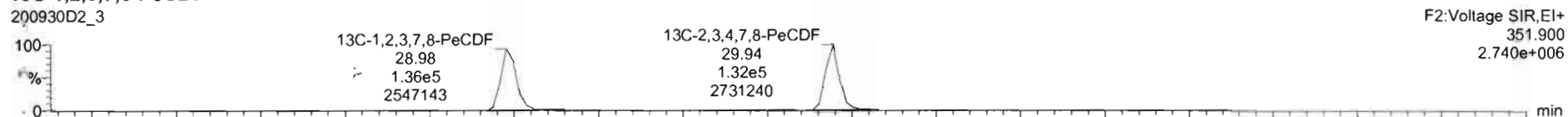
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

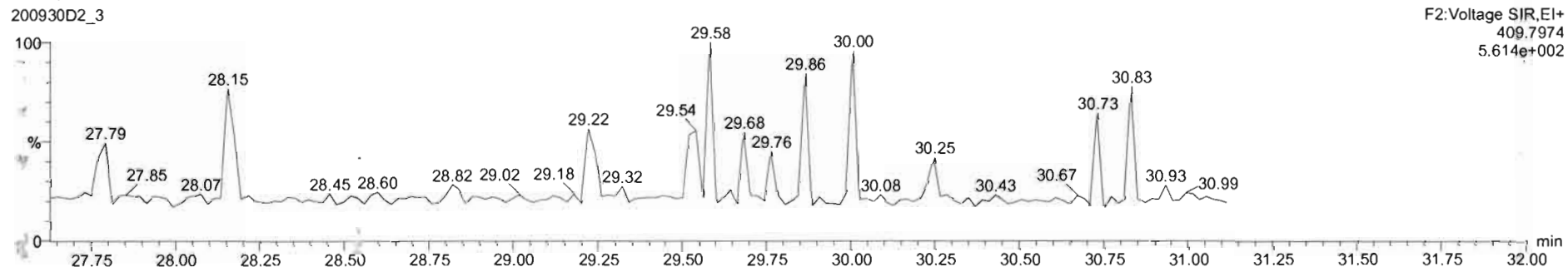
1 2,3,7,8-PeCDF



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



DPE2



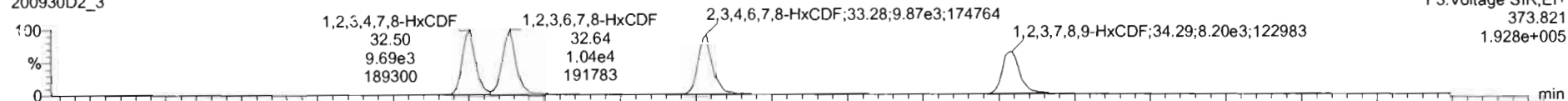
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

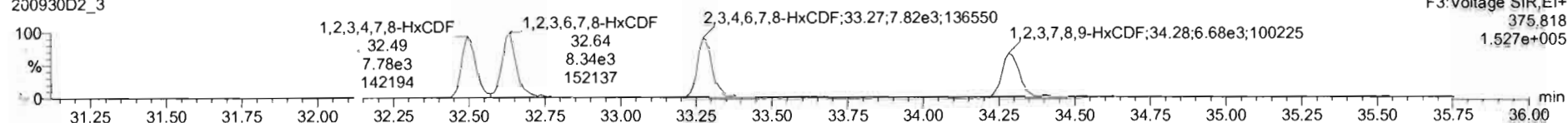
Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

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

200930D2_3

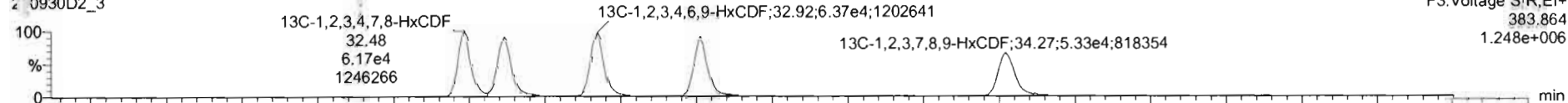


200930D2_3

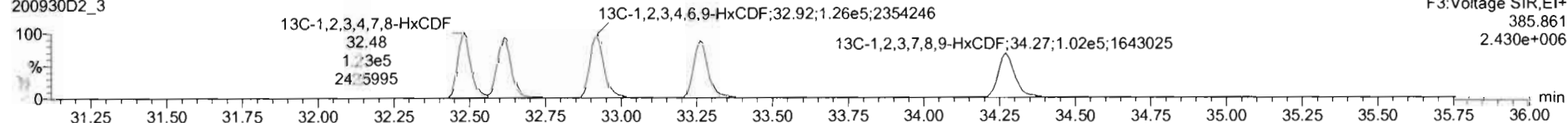


13C-1,2,3,4,7,8-HxCDF

200930D2_3

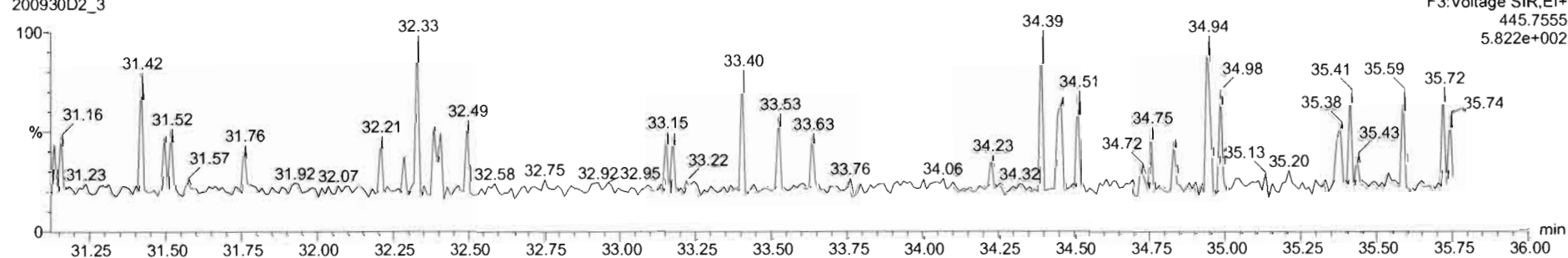


200930D2_3



DPE3

200930D2_3



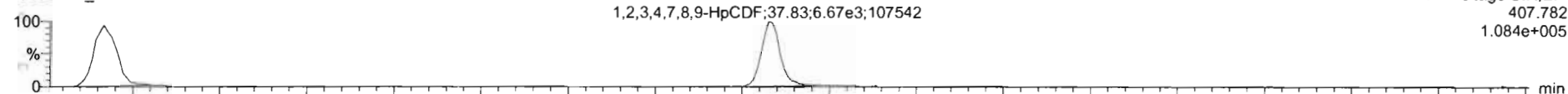
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

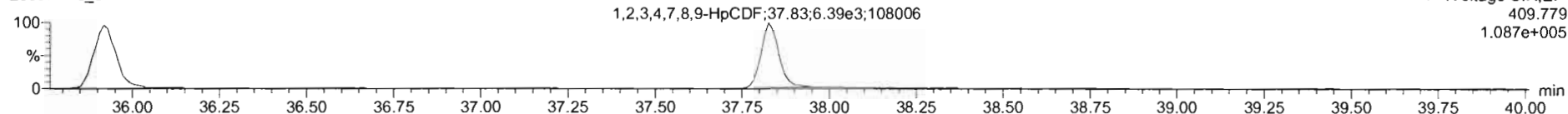
Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

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

200930D2_3

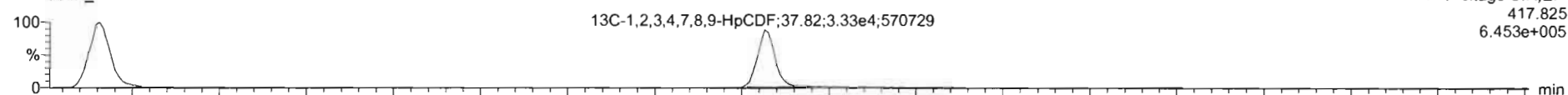


200930D2_3

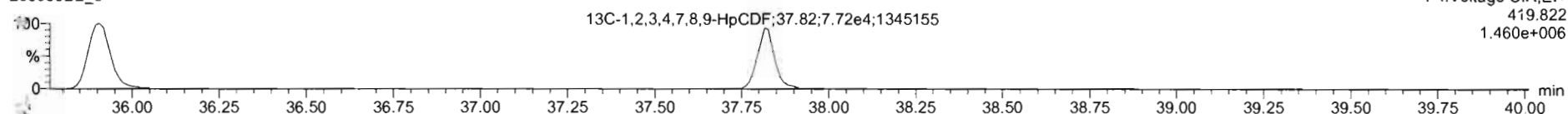


13C-1,2,3,4,6,7,8-HpCDF

200930D2_3

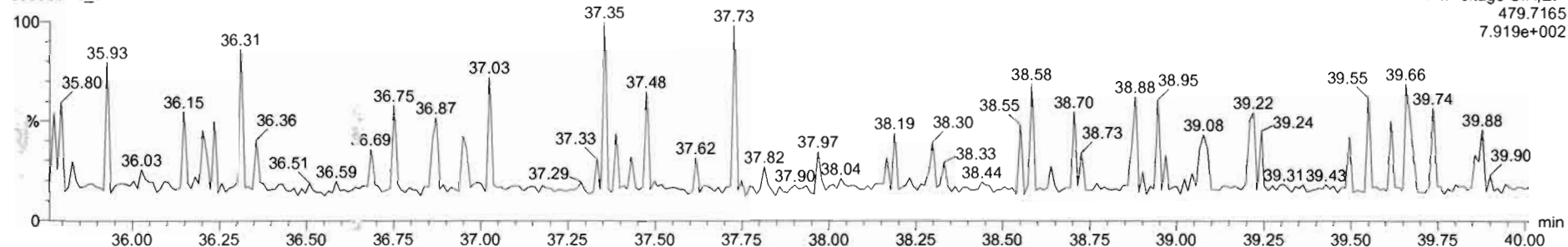


200930D2_3



DPE4

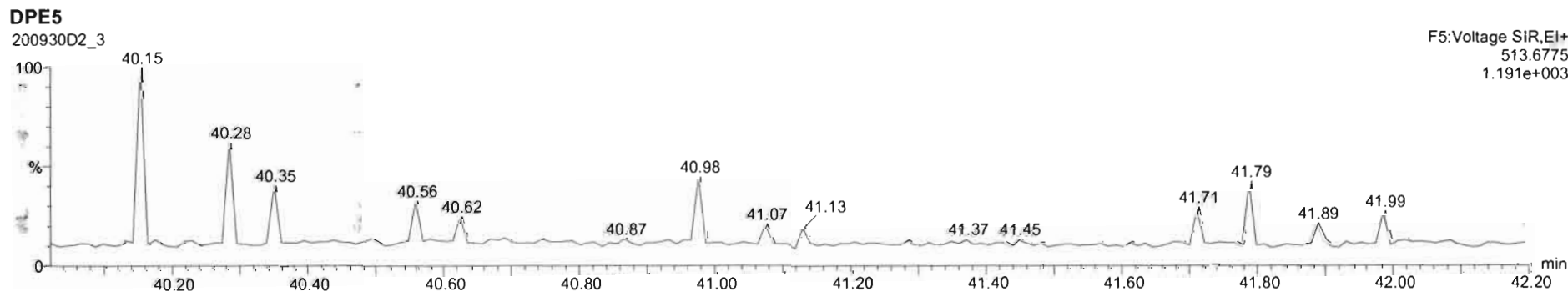
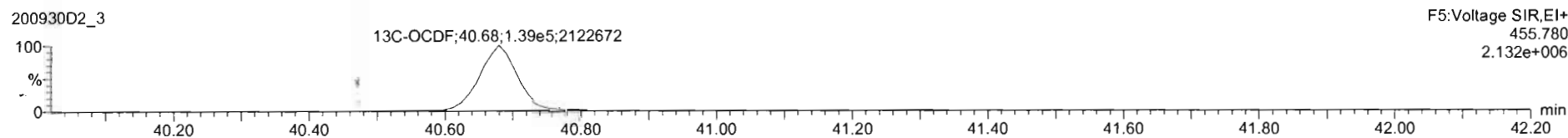
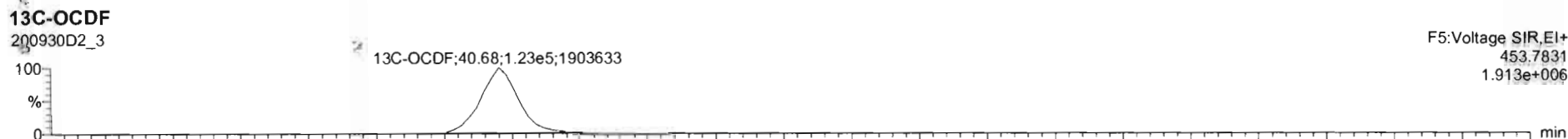
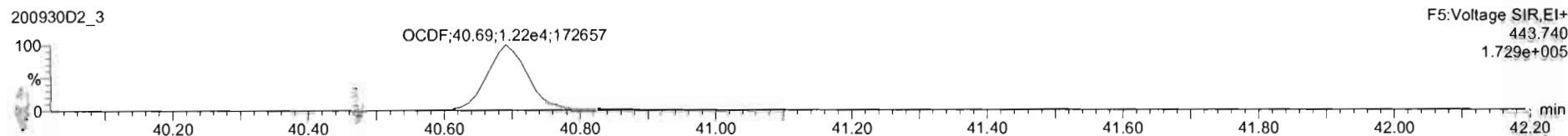
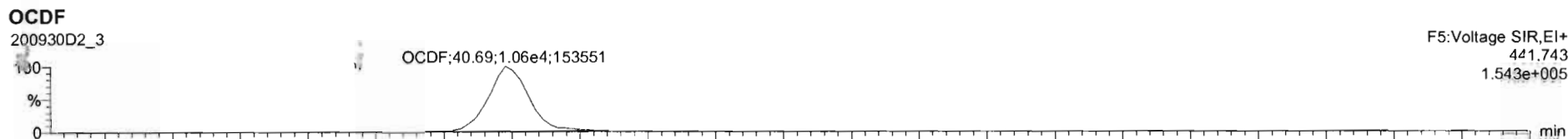
200930D2_3



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

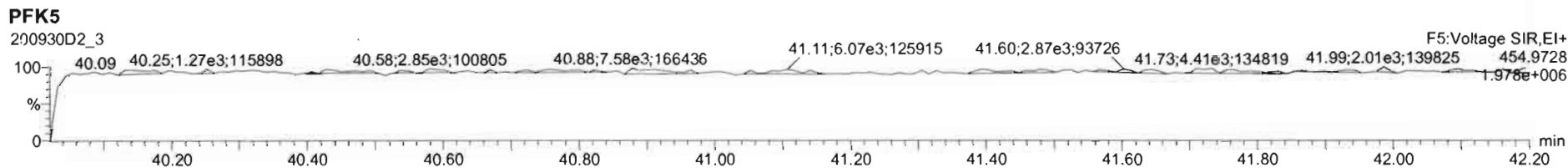
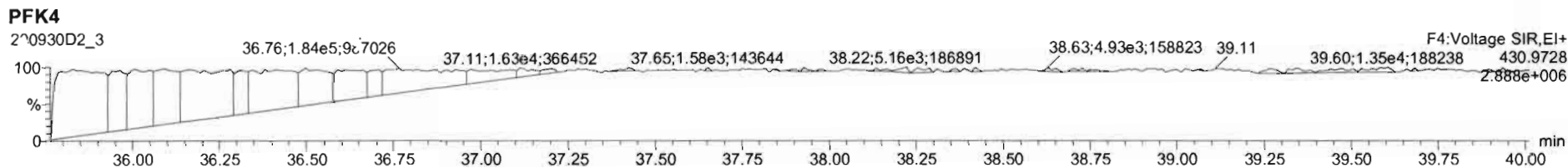
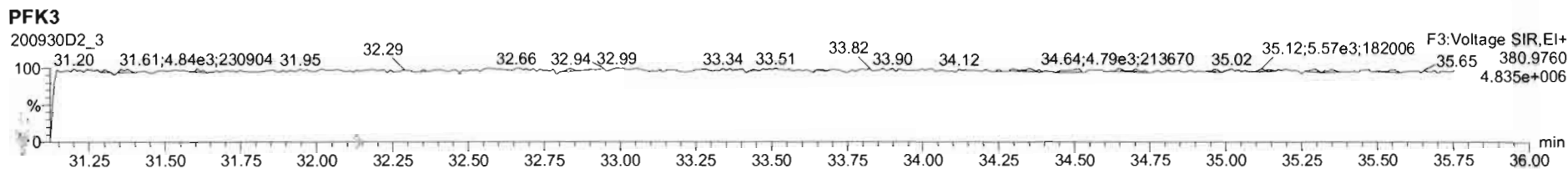
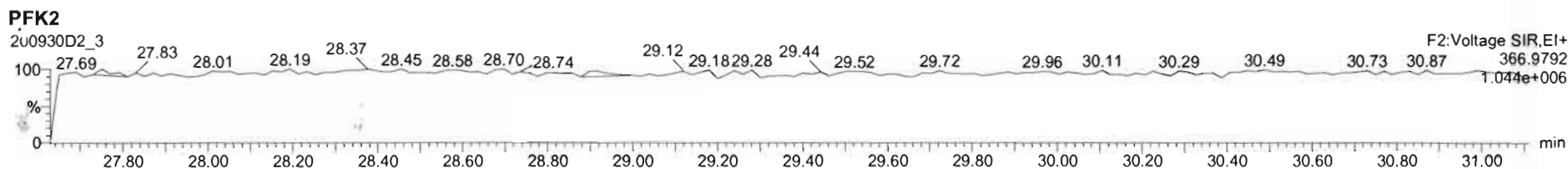
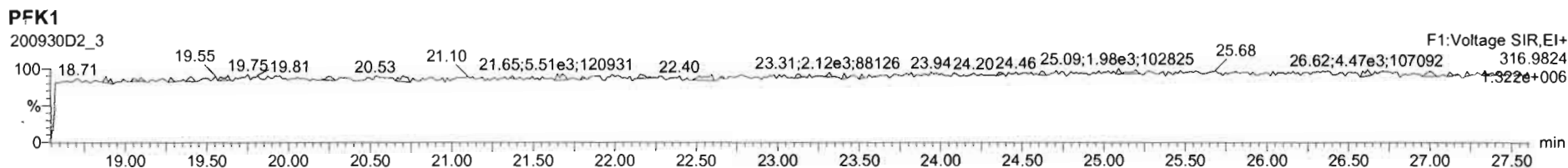
Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104



Dataset: U:\VG7.PRO\Results\2\0930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104



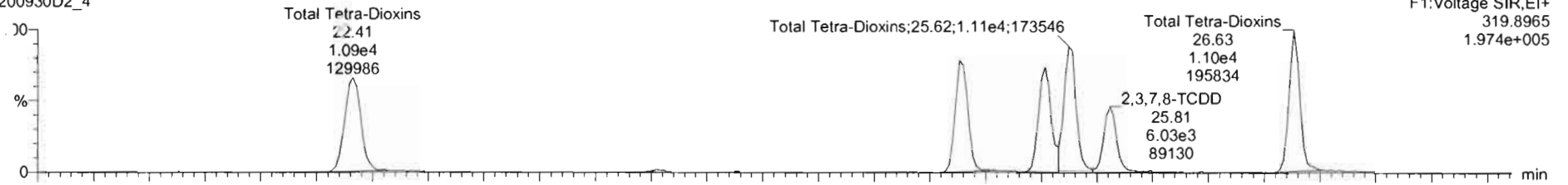
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

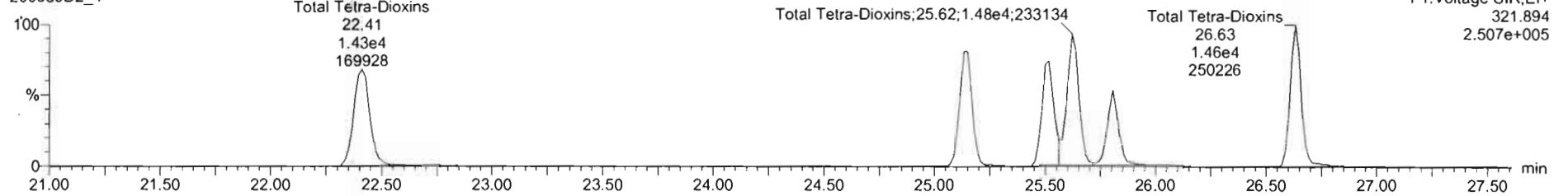
Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

2,3,7,8-TCDD

200930D2_4

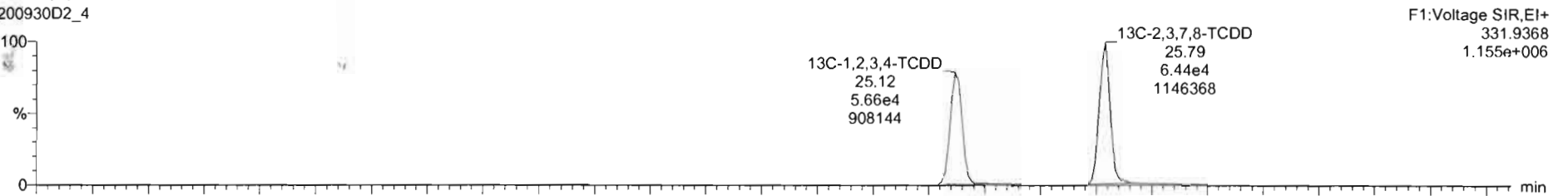


200930D2_4

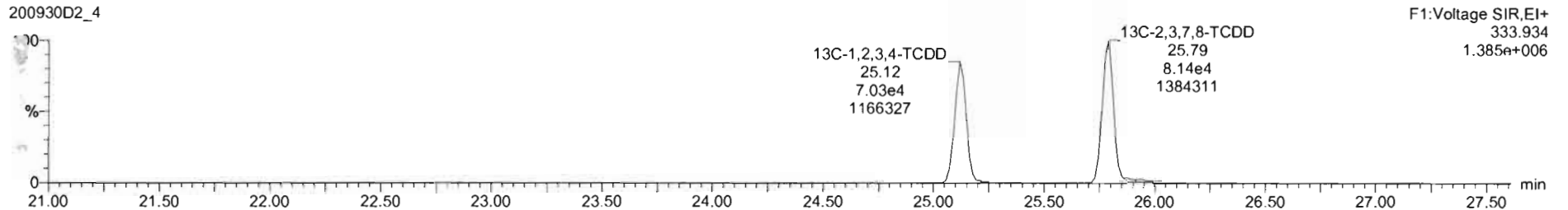


13C-2,3,7,8-TCDD

200930D2_4



200930D2_4



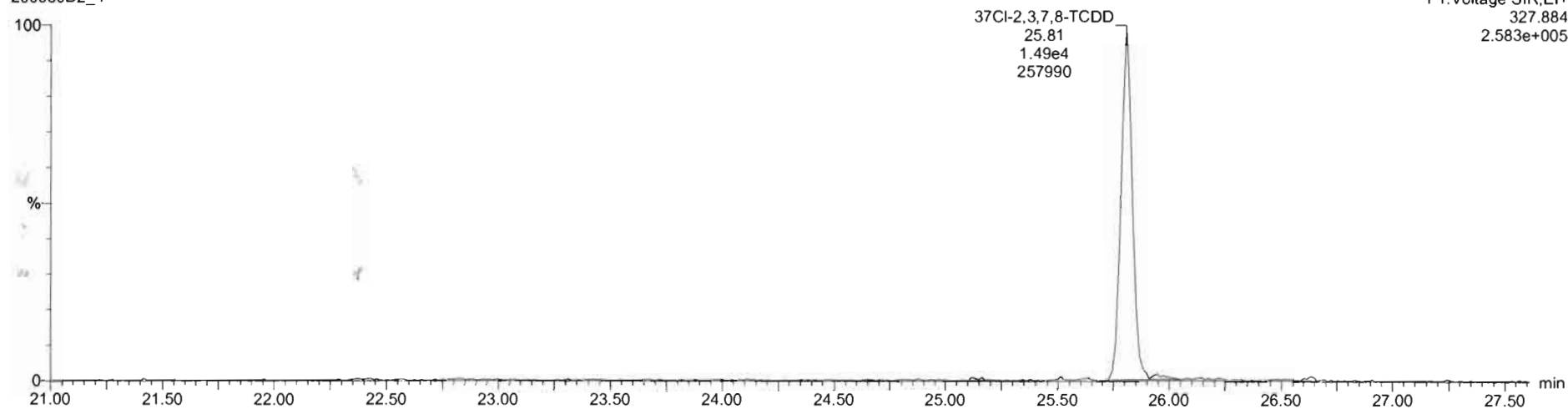
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

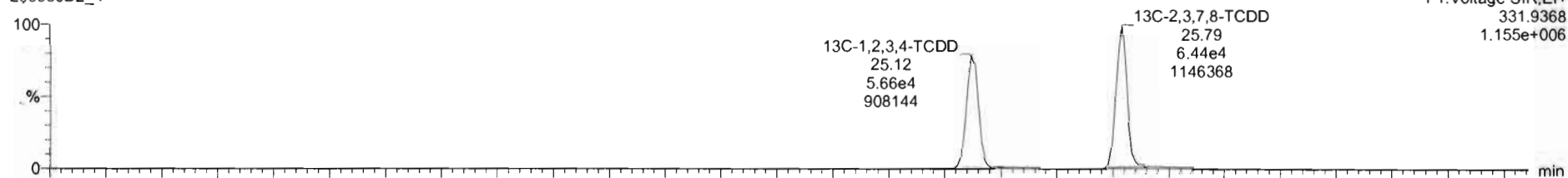
37Cl-2,3,7,8-TCDD

200930D2_4

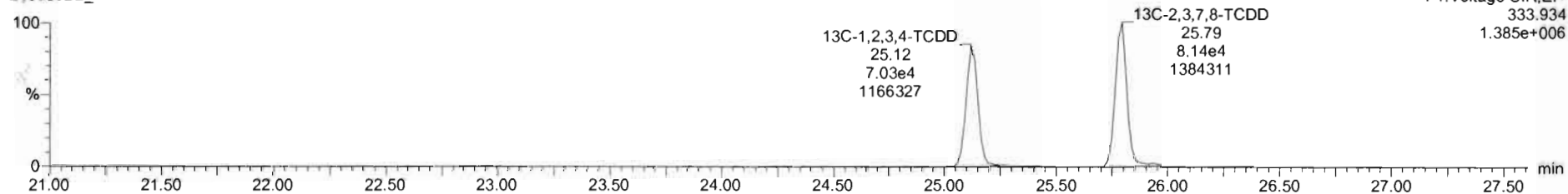


13C-1,2,3,4-TCDD

200930D2_4



200930D2_4

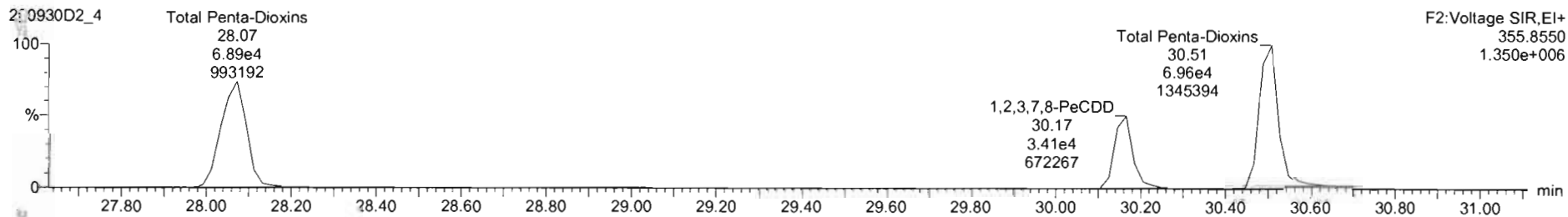
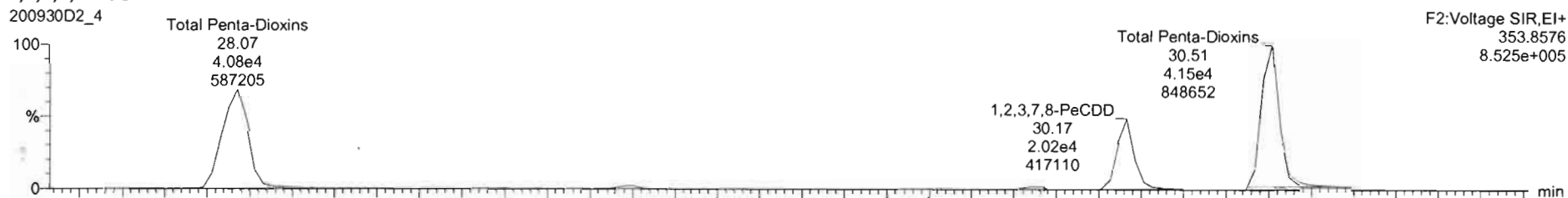


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

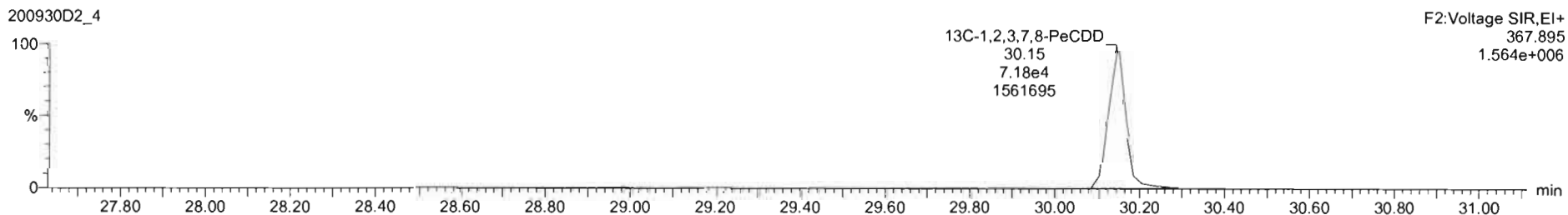
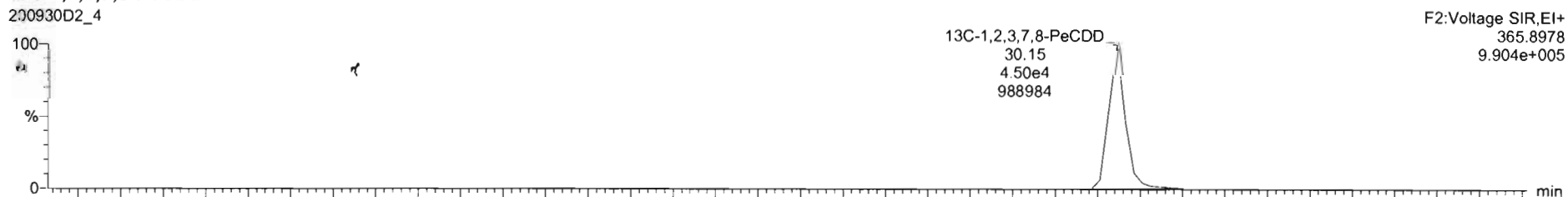
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1,2,3,7,8-PeCDD



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



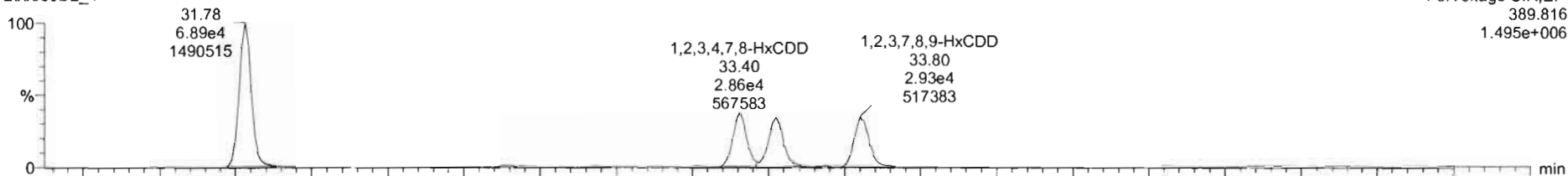
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

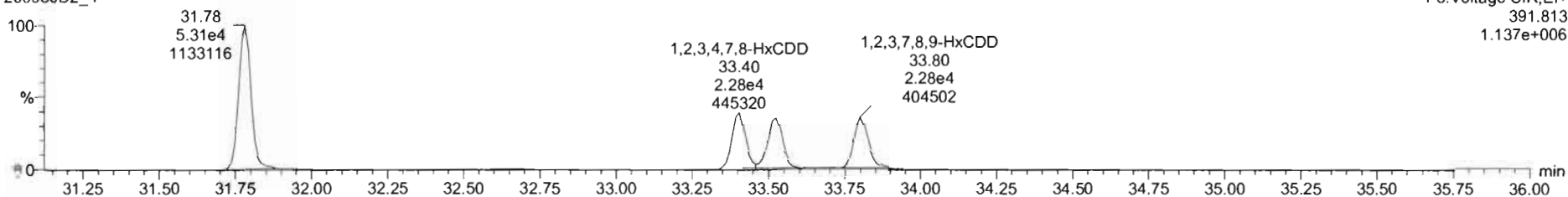
Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

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

200930D2_4

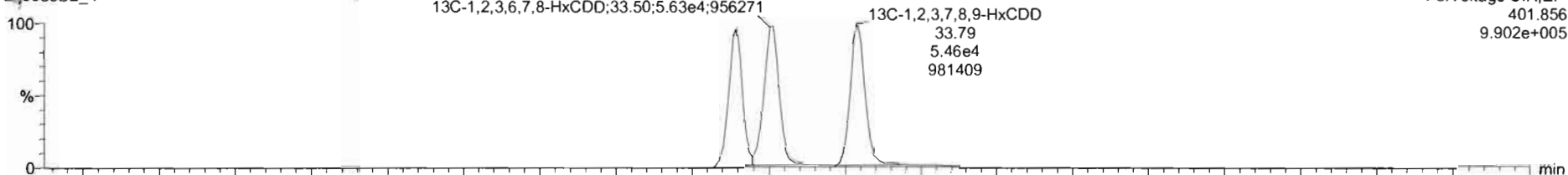


200930D2_4

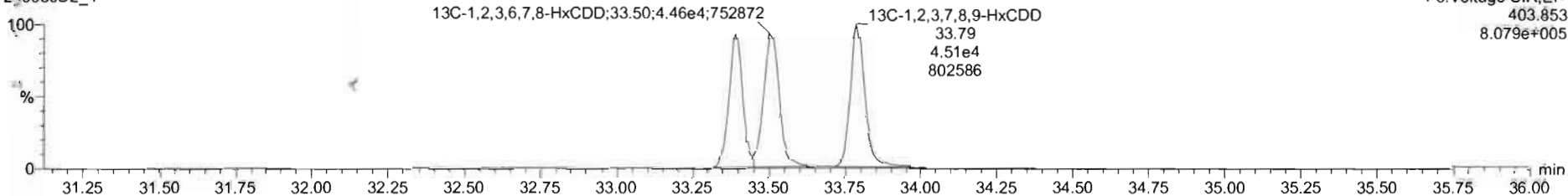


13C-1,2,3,4,7,8-HxCDD

200930D2_4



200930D2_4



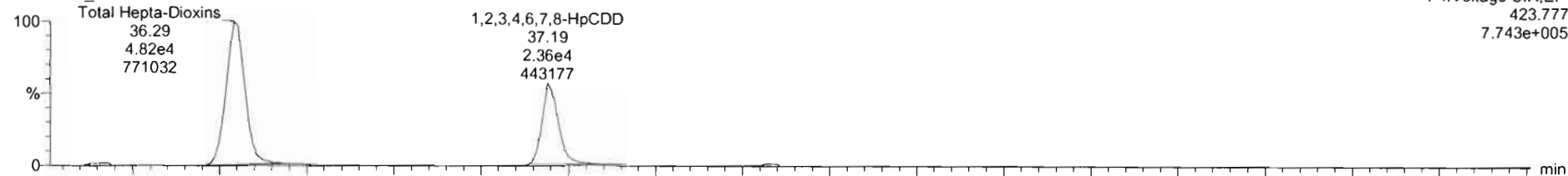
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-20 10, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

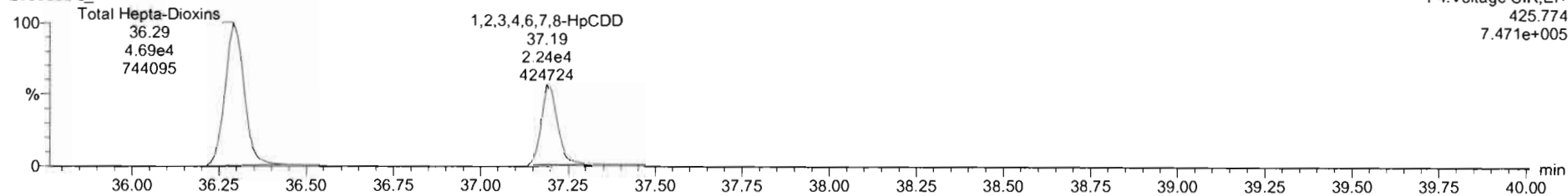
1,2,3,4,6,7,8-HpCDD

200930D2_4



F4:Voltage SIR,EI+
423.777
7.743e+005

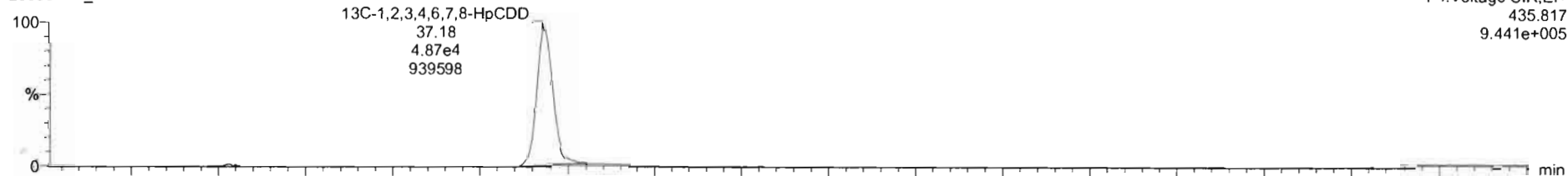
200930D2_4



F4:Voltage SIR,EI+
425.774
7.471e+005

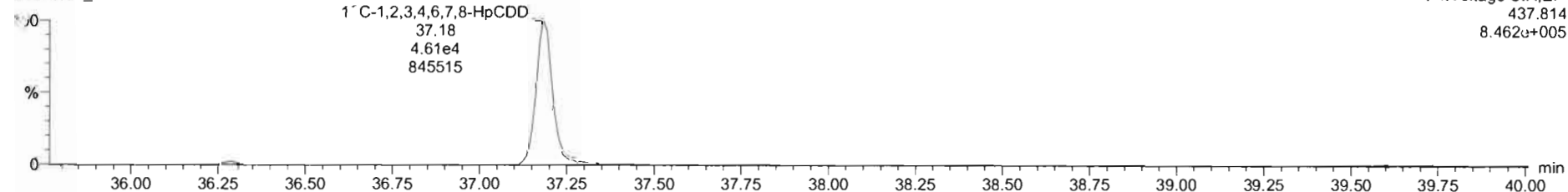
13C-1,2,3,4,6,7,8-HpCDD

200930D2_4



F4:Voltage SIR,EI+
435.817
9.441e+005

200930D2_4

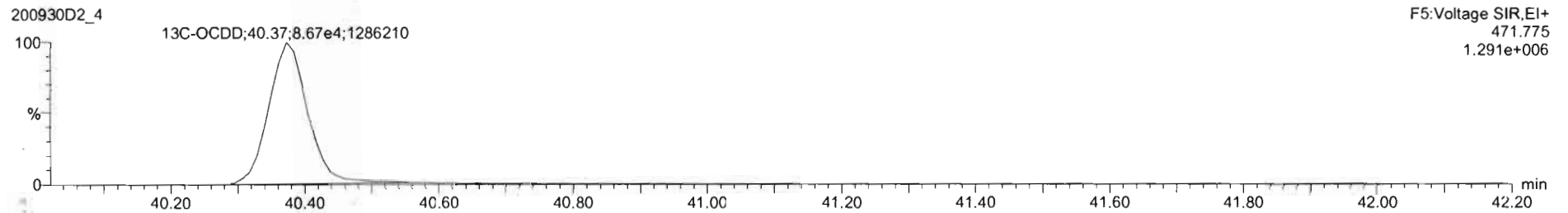
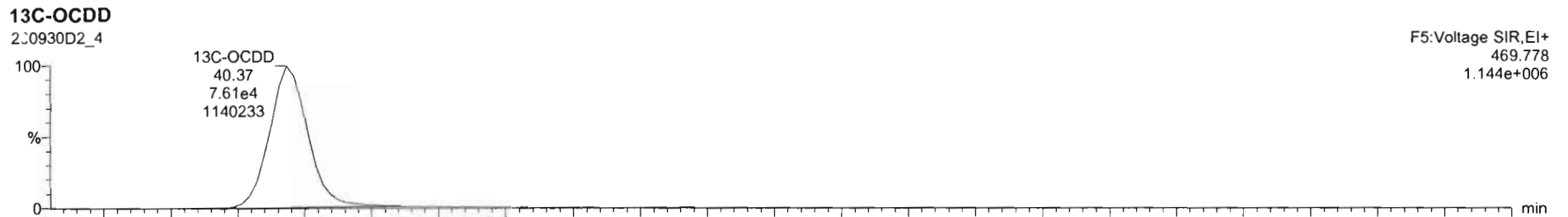
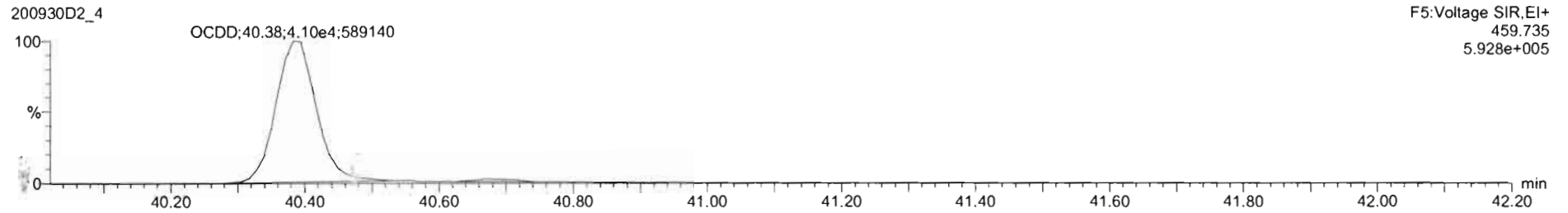
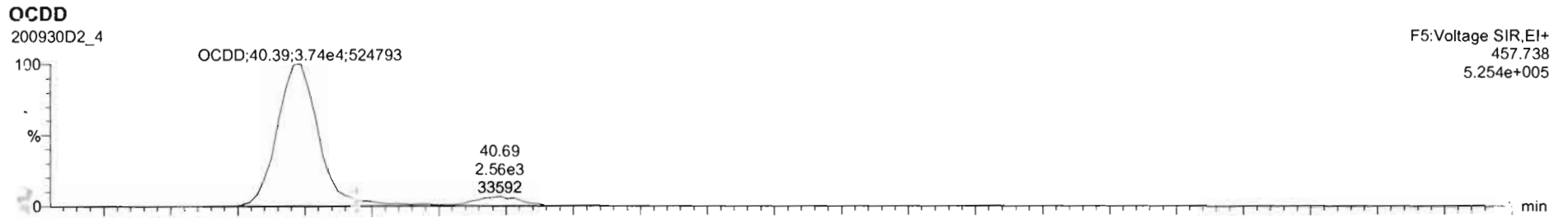


F4:Voltage SIR,EI+
437.814
8.462e+005

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

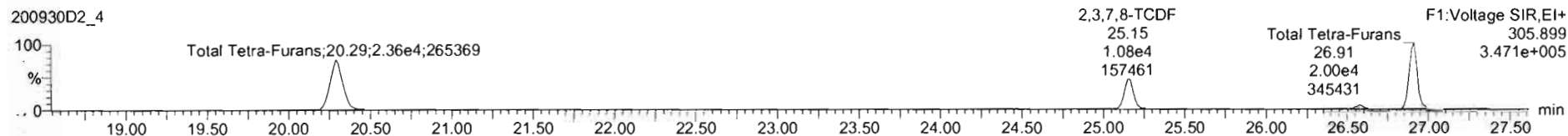
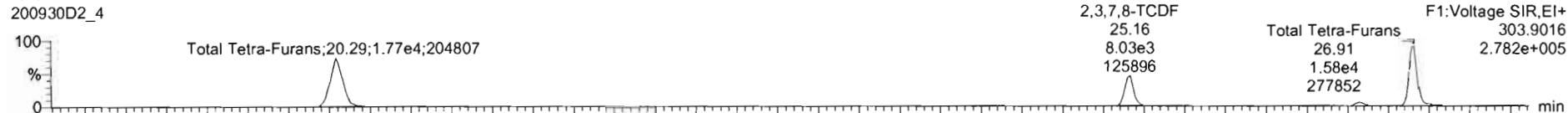


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

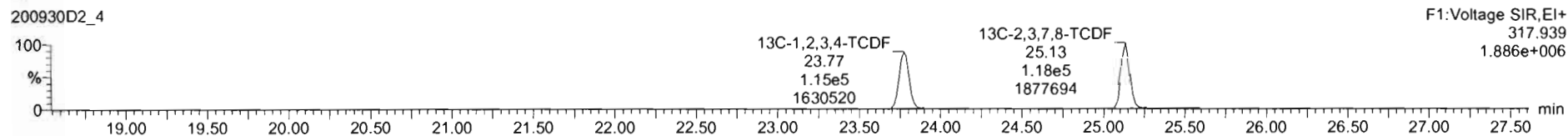
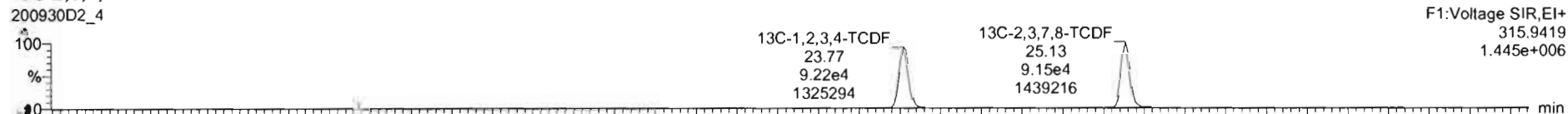
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

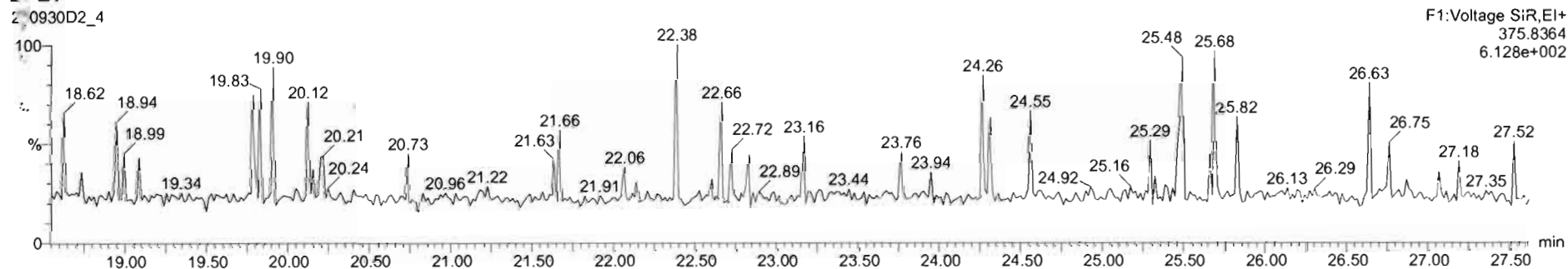
2,3,7,8-TCDF



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



DPE1



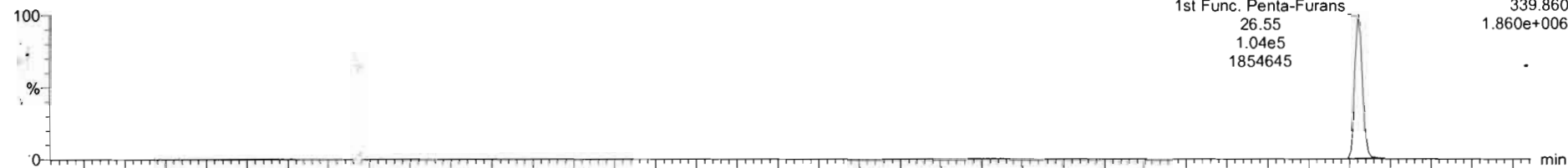
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

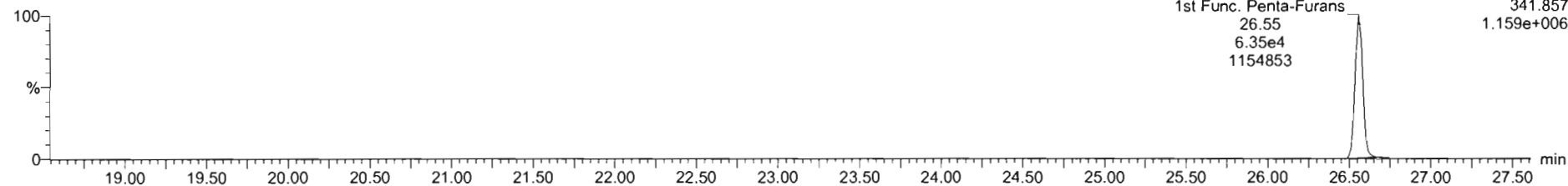
Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1st Func. Penta-Furans

200930D2_4

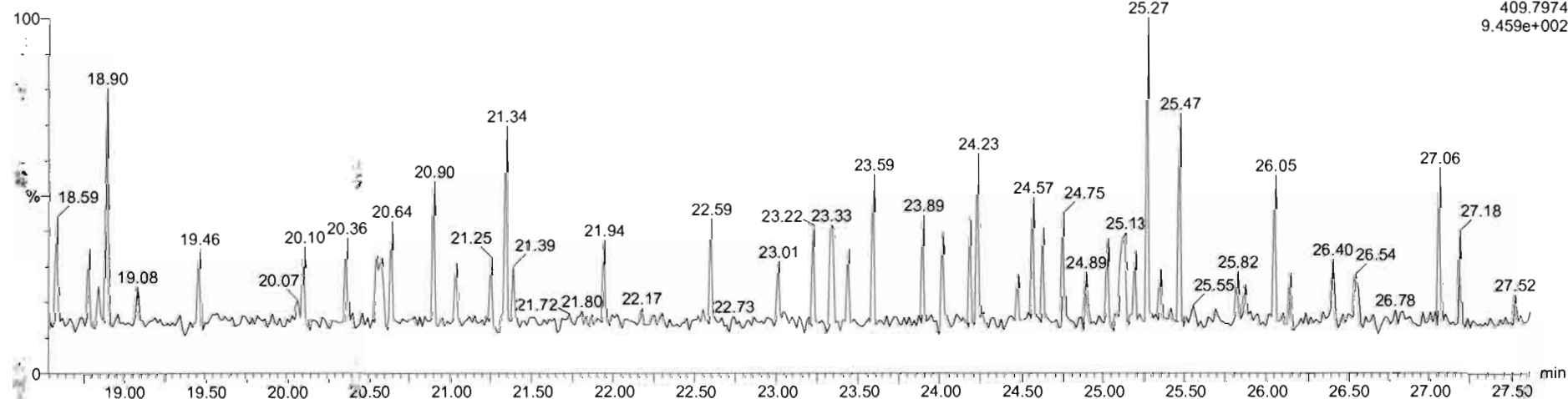


200930D2_4



DPE6

200930D2_4



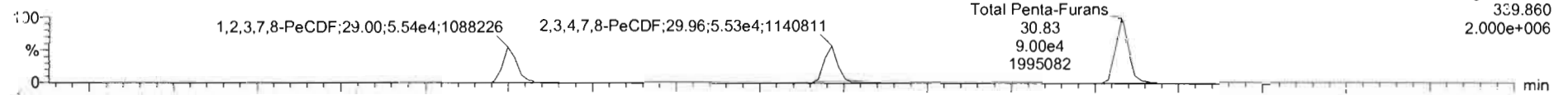
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

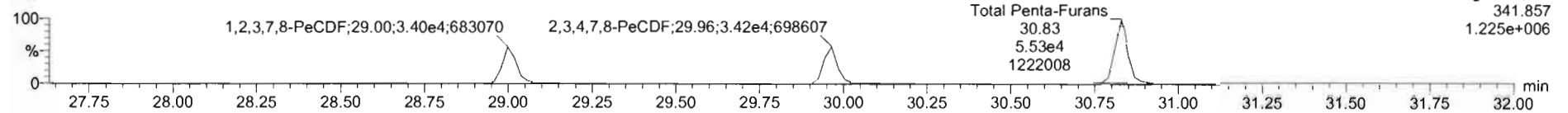
Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1,2,3,7,8-PeCDF

200930D2_4

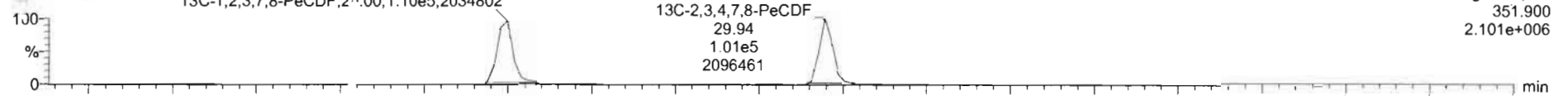


200930D2_4

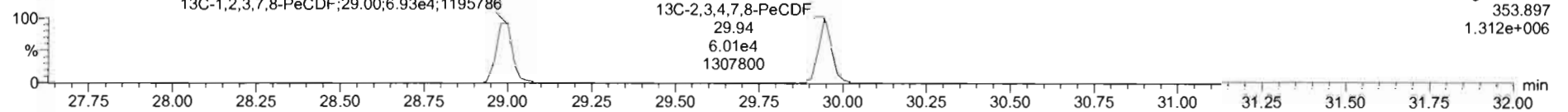


13C-1,2,3,7,8-PeCDF

200930D2_4

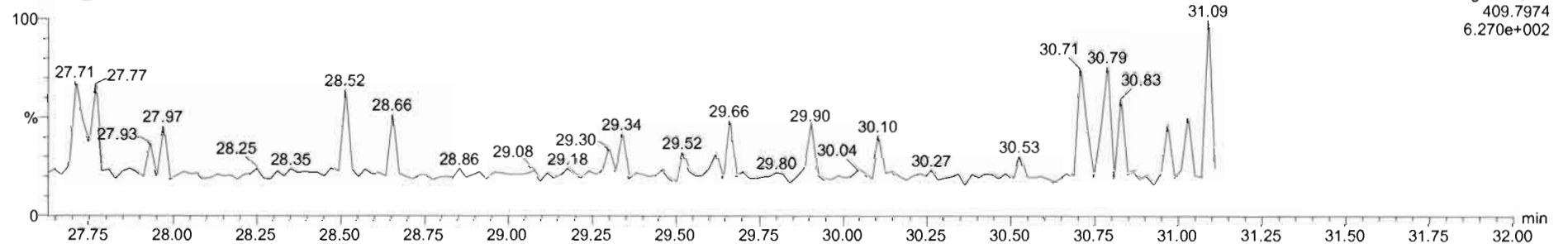


200930D2_4



DPE2

200930D2_4

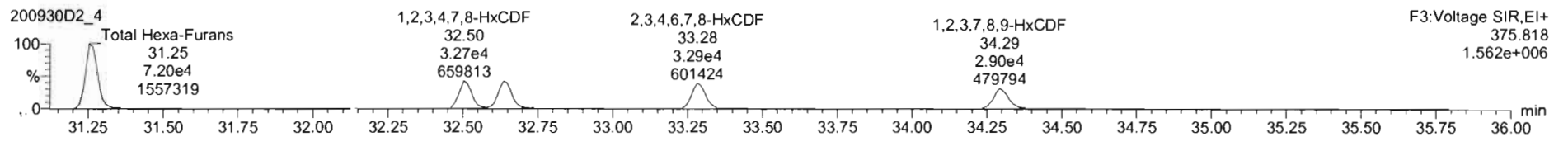
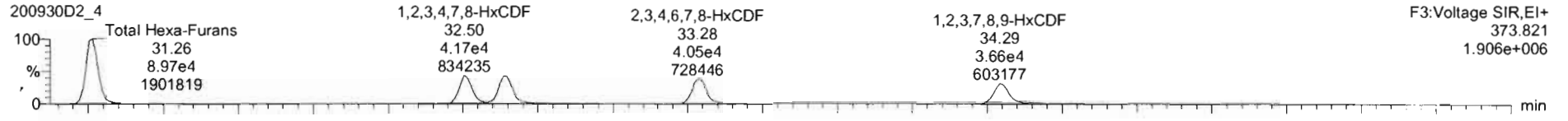


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

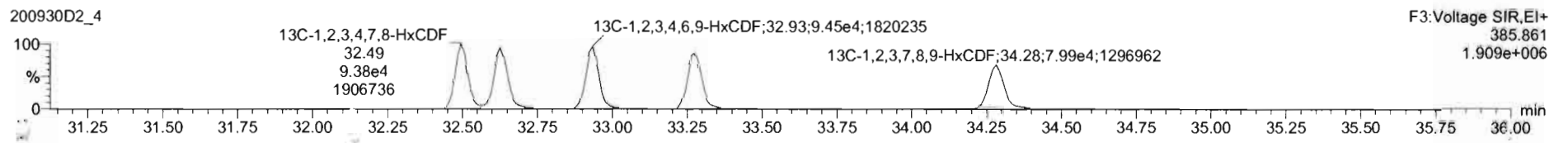
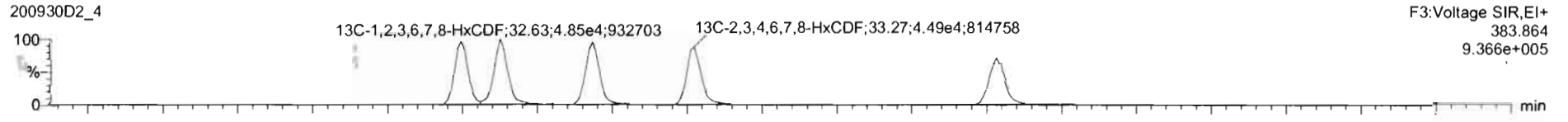
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

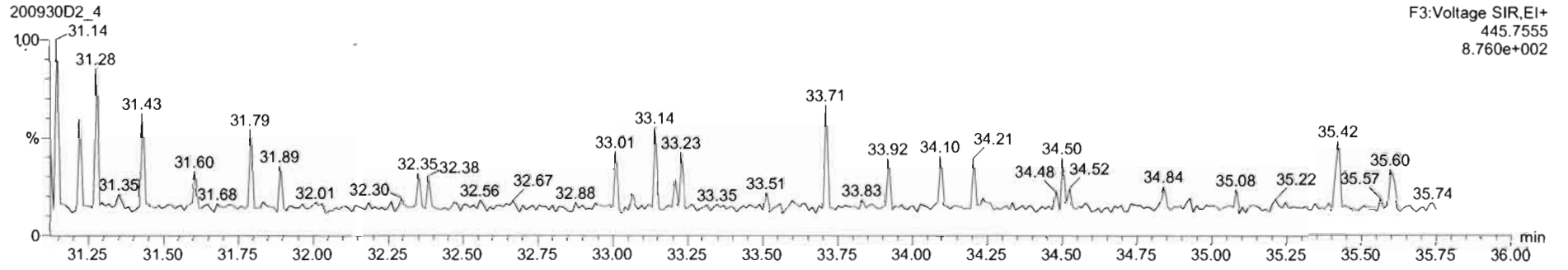
1,2,3,4,7,8-HxCDF



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



DPE3

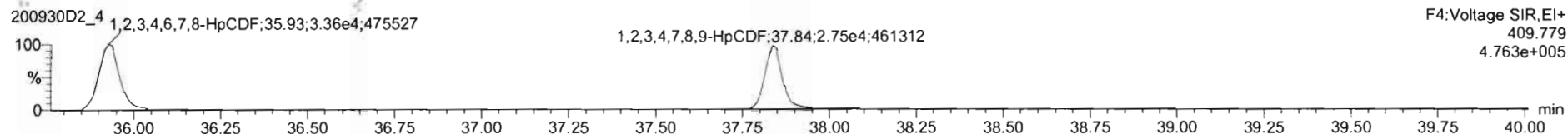
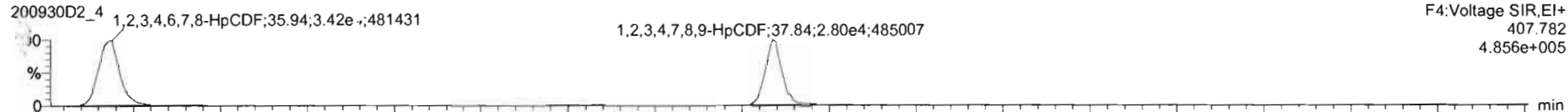


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

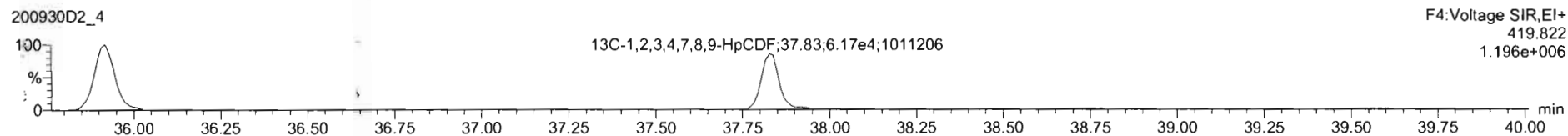
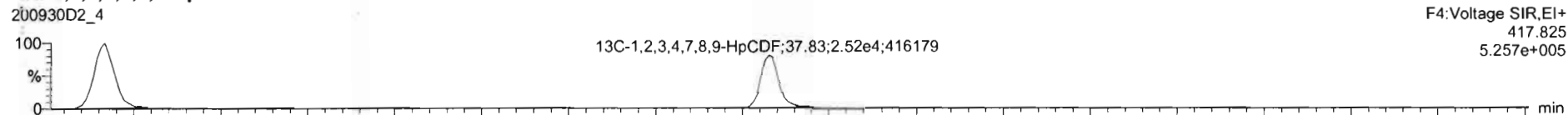
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

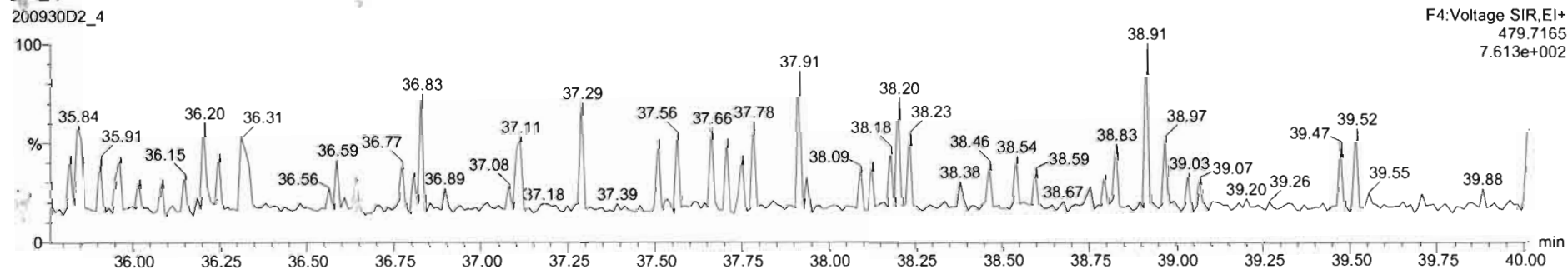
1,2,3,4,6,7,8-HpCDF



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



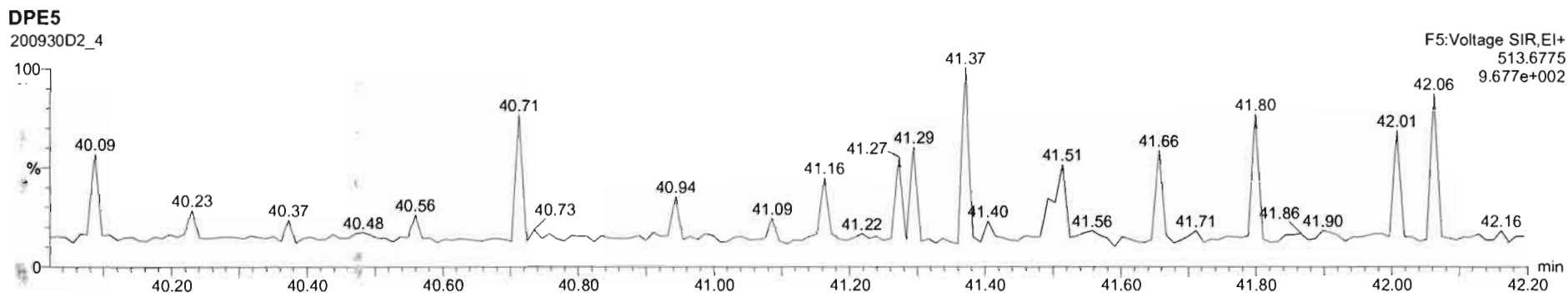
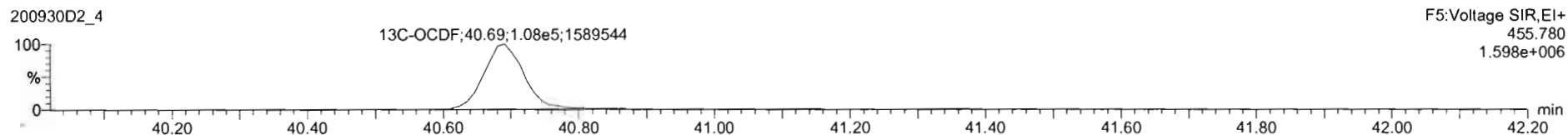
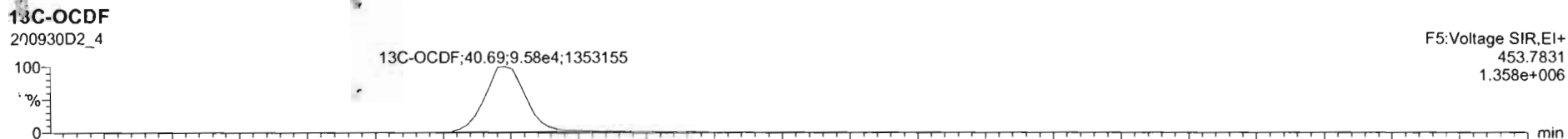
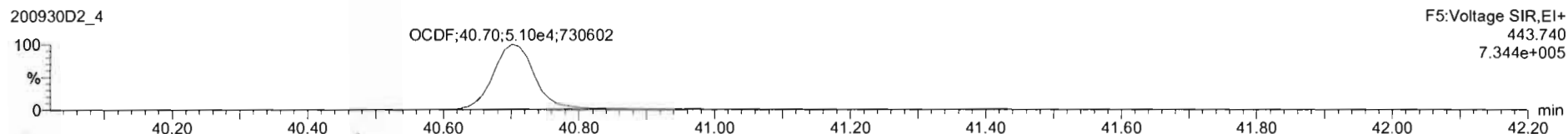
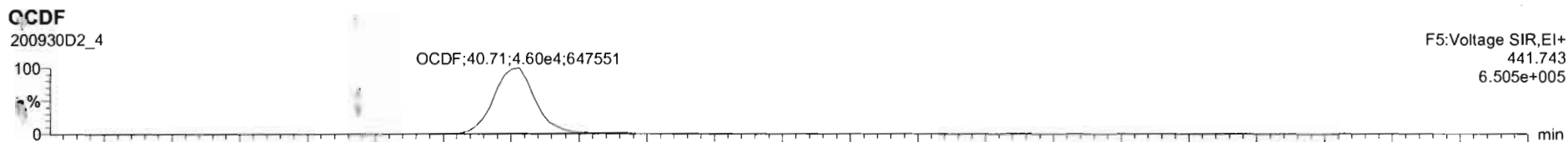
PE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

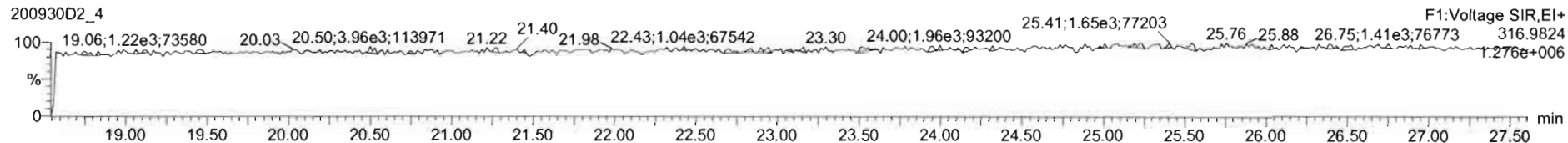


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

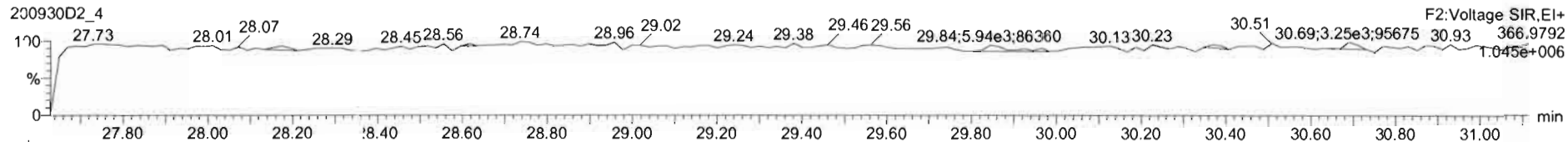
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

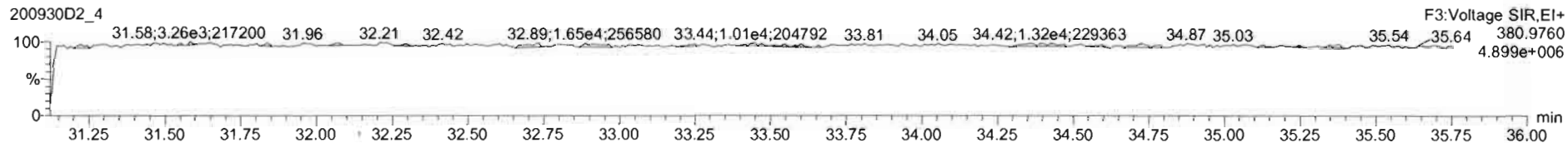
PFK1



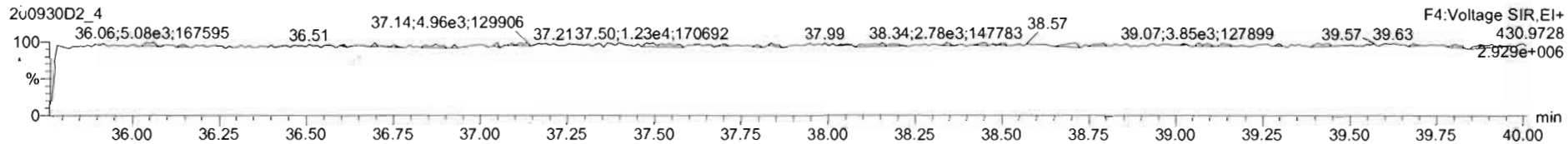
PFK2



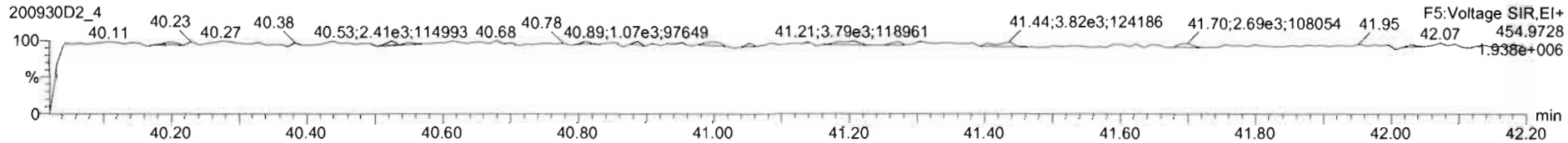
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

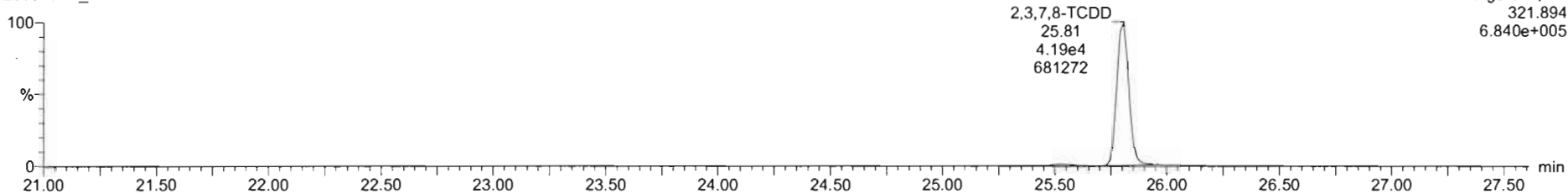
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

2,3,7,8-TCDD

200930D2_5

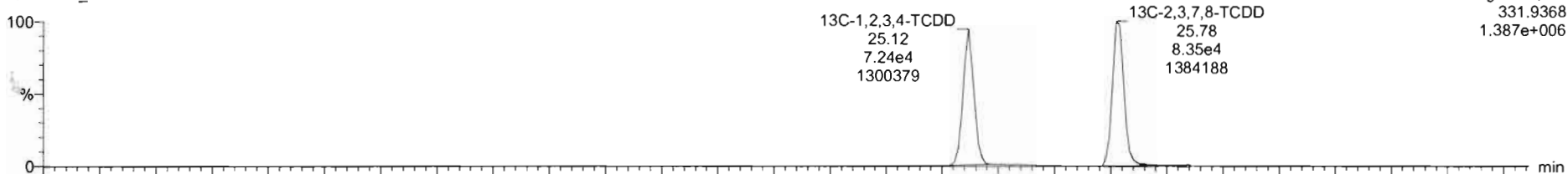


200930D2_5

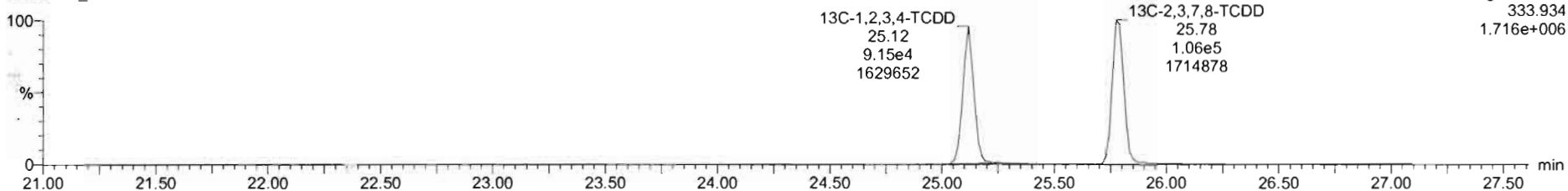


13C-2,3,7,8-TCDD

200930D2_5



200930D2_5



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

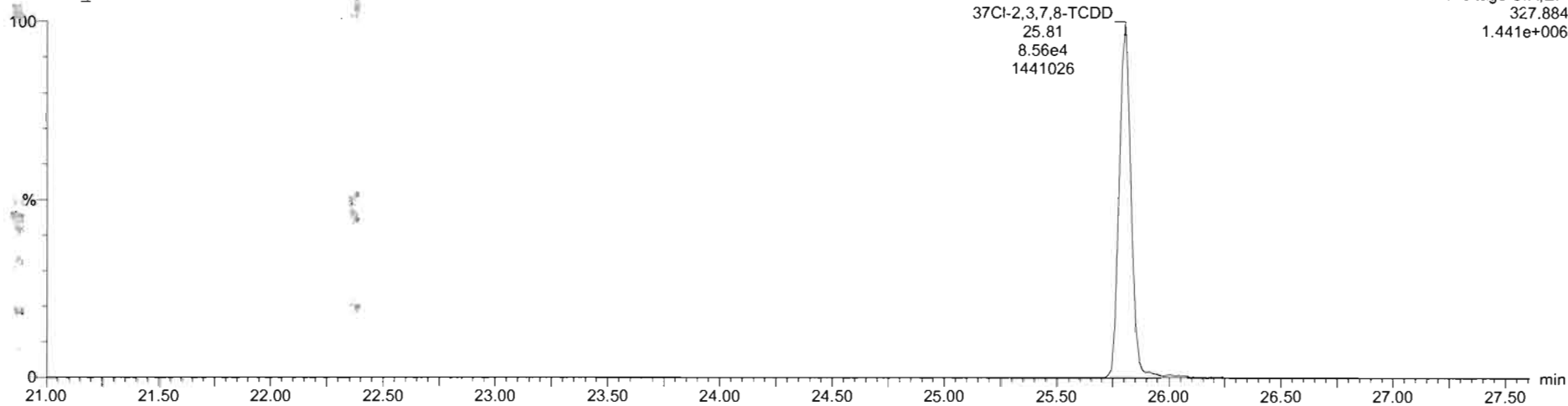
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time

Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

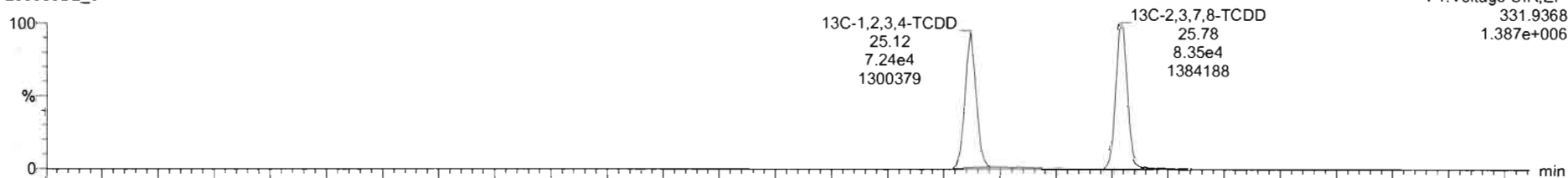
37Cl-2,3,7,8-TCDD

200930D2_5

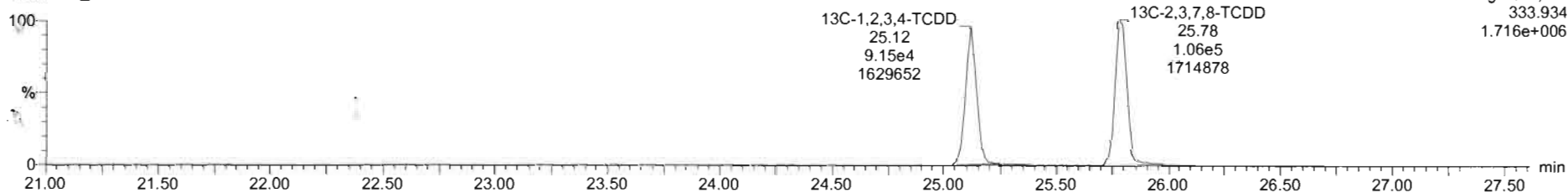


13C-1,2,3,4-TCDD

200930D2_5



200930D2_5



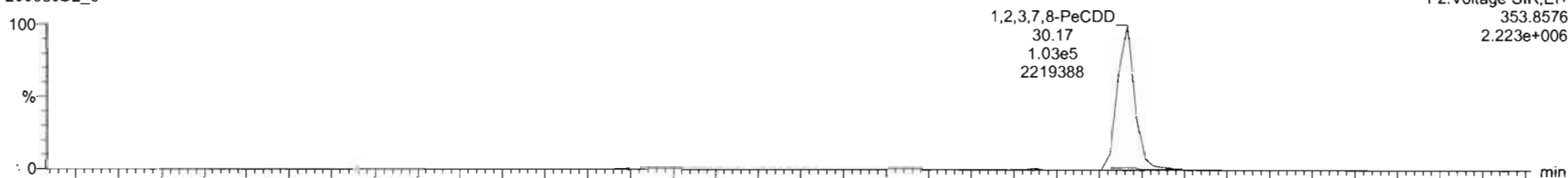
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

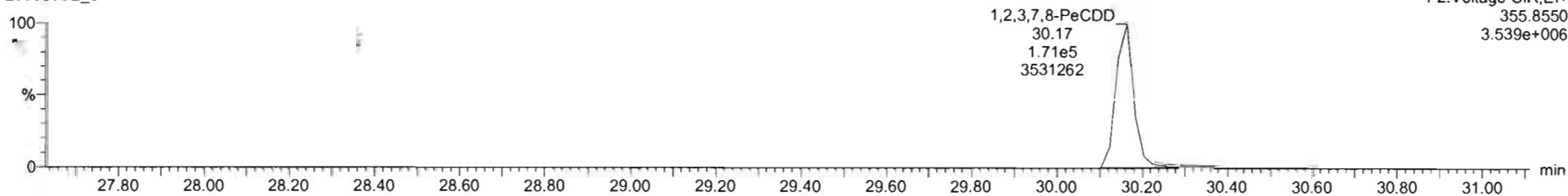
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

1,2,3,7,8-PeCDD

200930D2_5

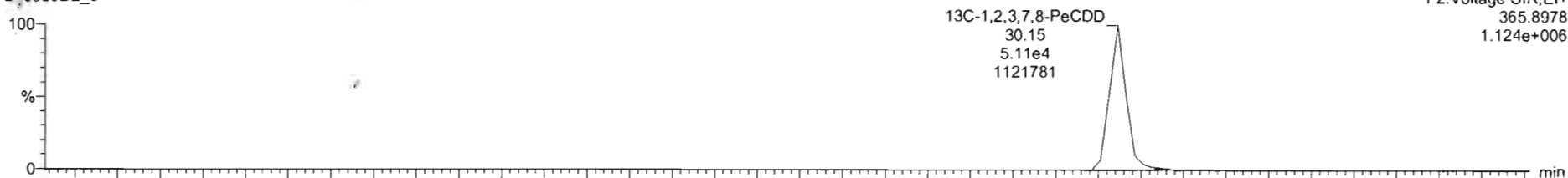


200930D2_5

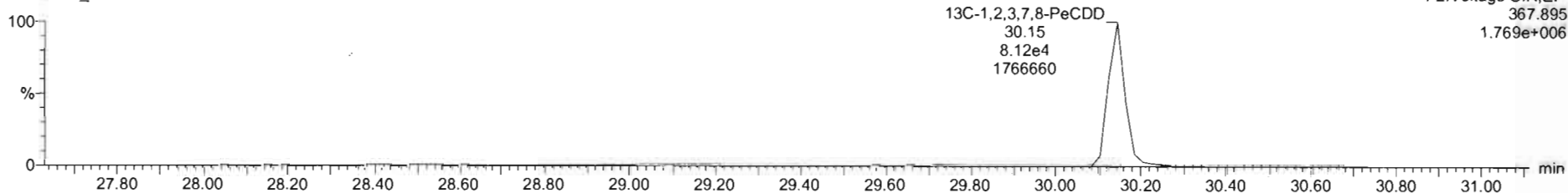


13C-1,2,3,7,8-PeCDD

200930D2_5



200930D2_5



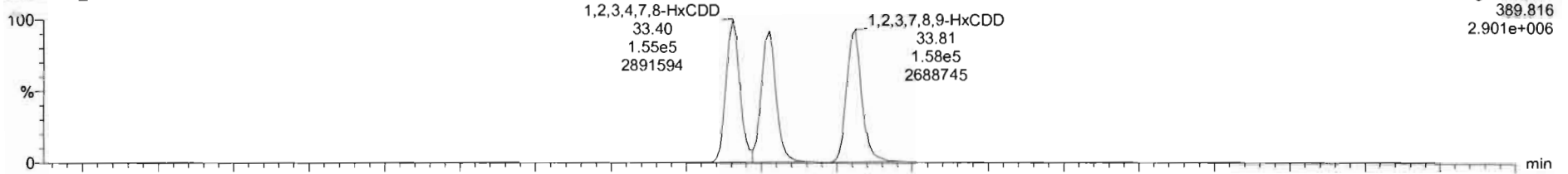
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

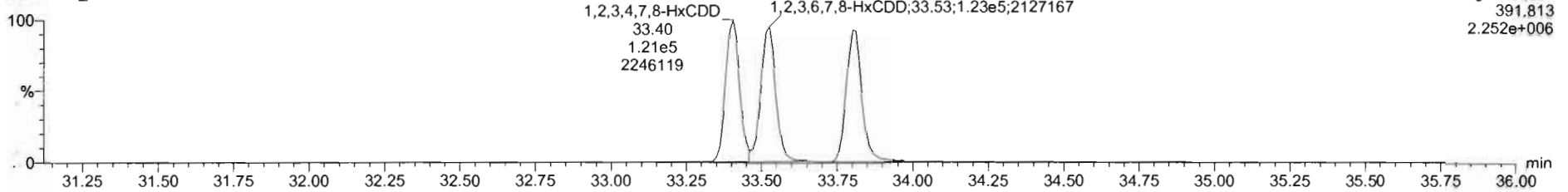
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

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

200930D2_5

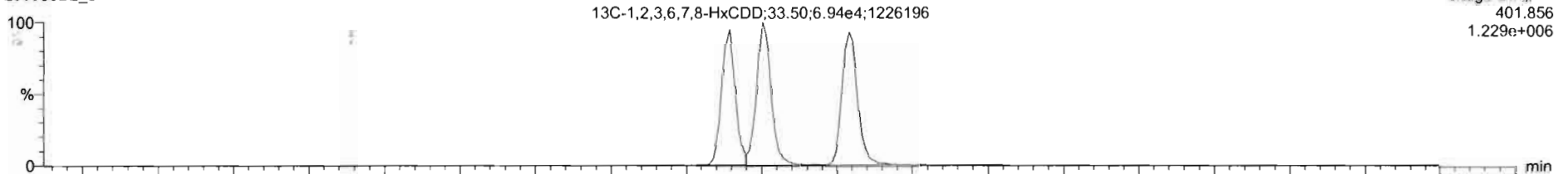


200930D2_5

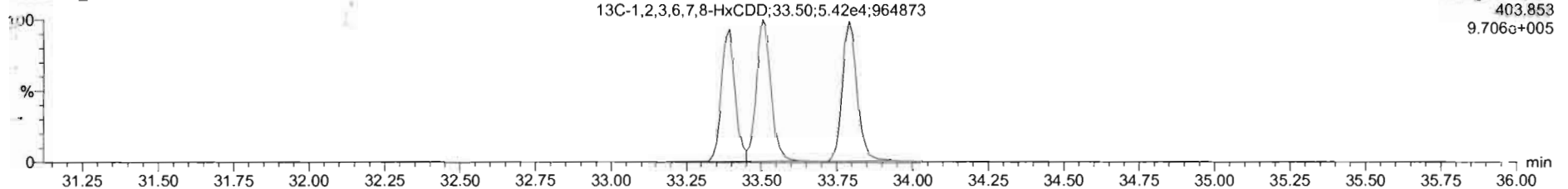


13C-1,2,3,4,7,8-HxCDD

200930D2_5



200930D2_5



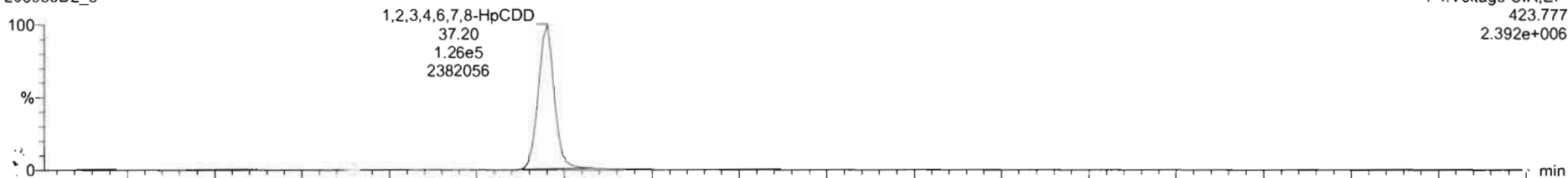
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

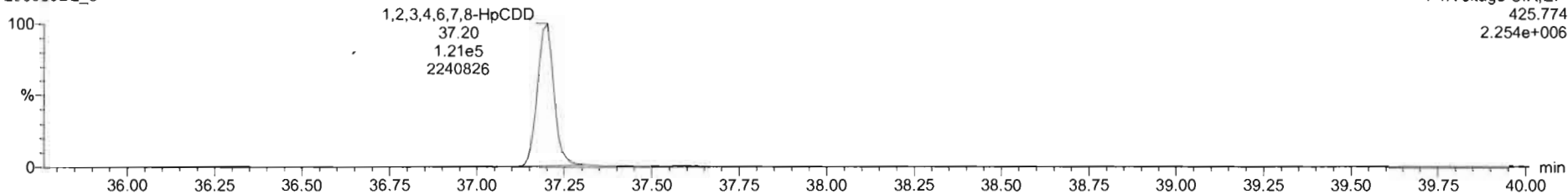
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

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

200930D2_5

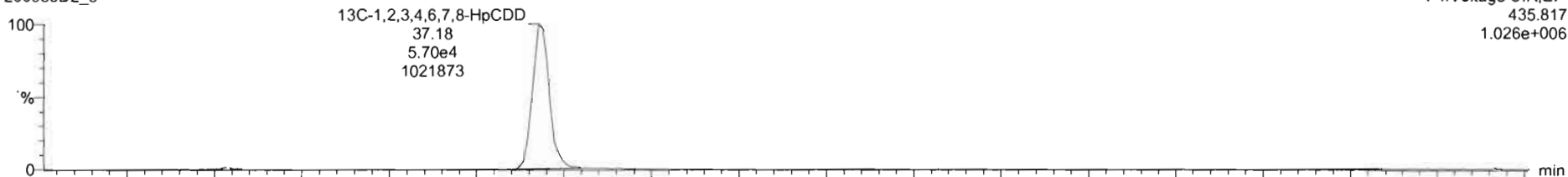


200930D2_5

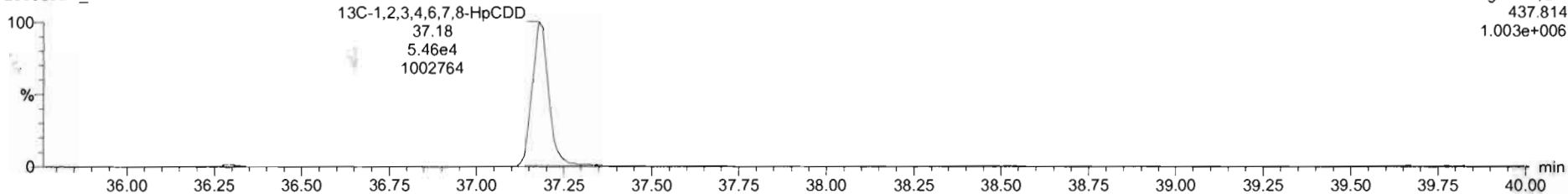


13C-1,2,3,4,6,7,8-HpCDD

200930D2_5



200930D2_5

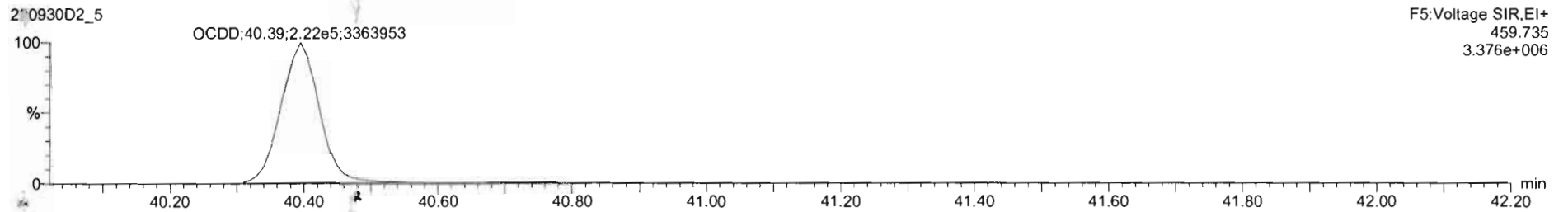
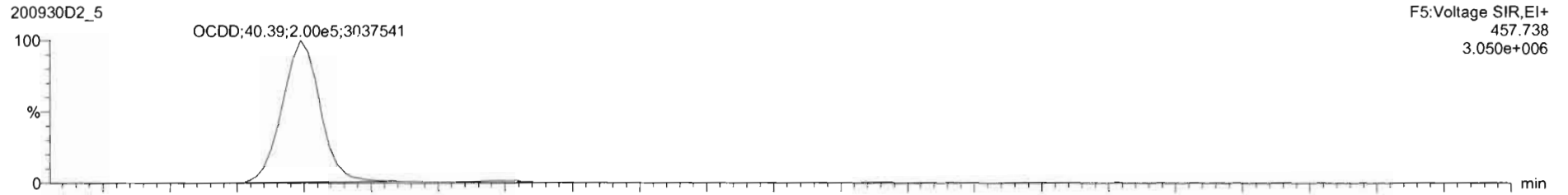


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

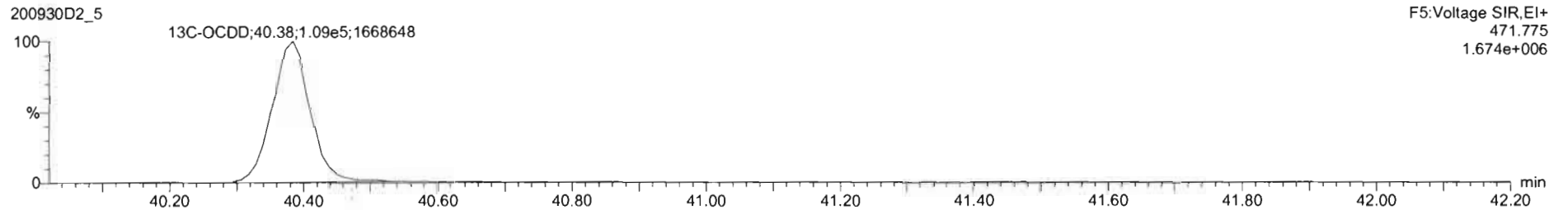
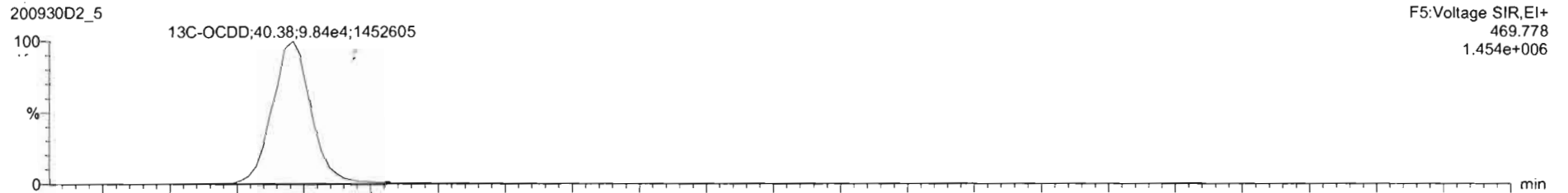
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

OCDD



13C-OCDD



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

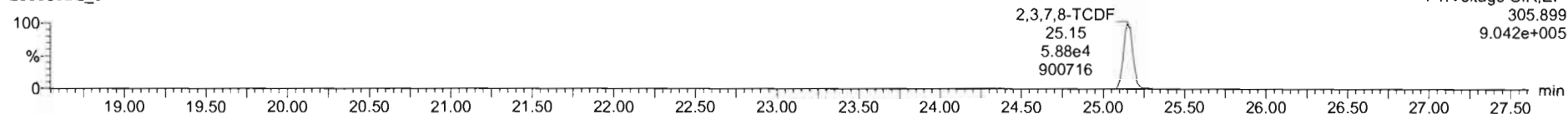
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

2,3,7,8-TCDF

200930D2_5

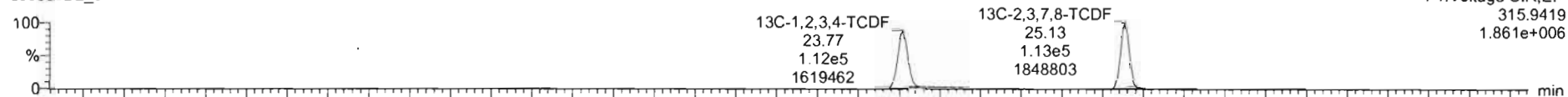


200930D2_5

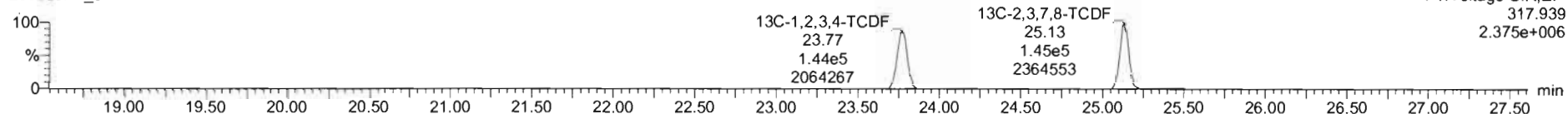


13C-2,3,7,8-TCDF

200930D2_5

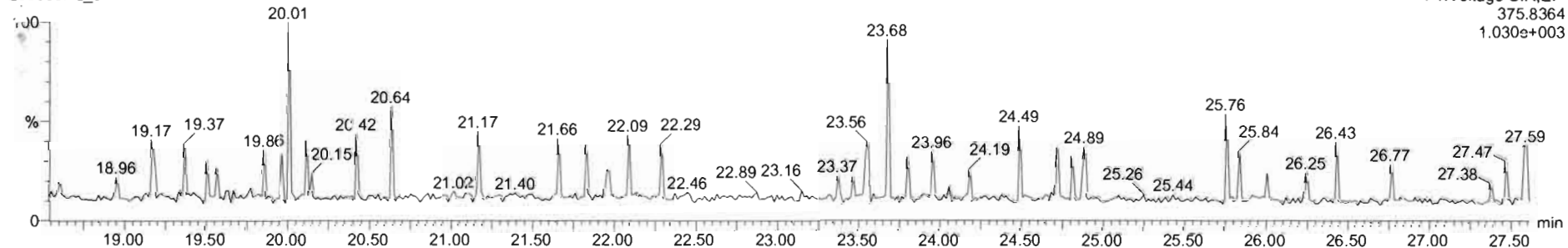


200930D2_5



DPE1

200930D2_5



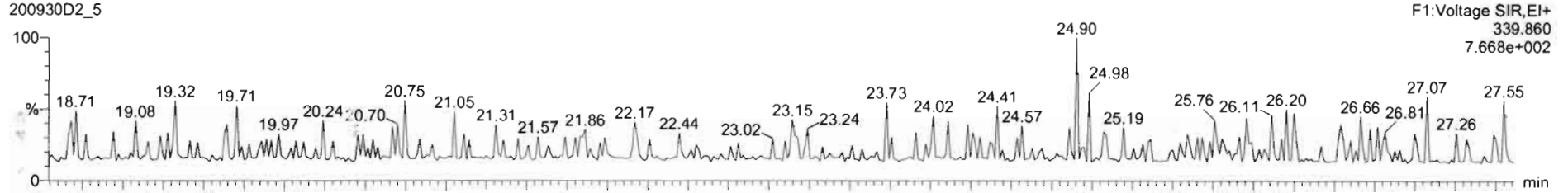
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

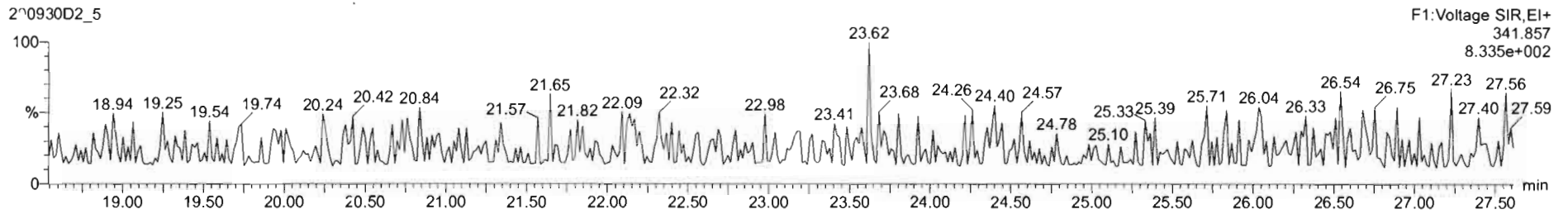
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

1st Func. Penta-Furans

200930D2_5

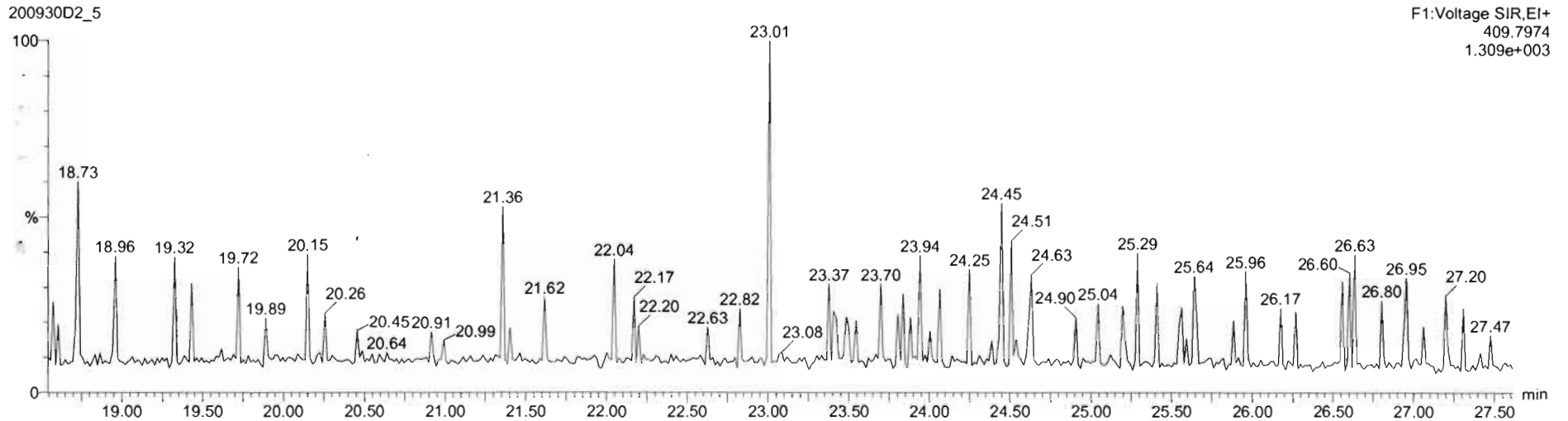


200930D2_5



DPE6

200930D2_5



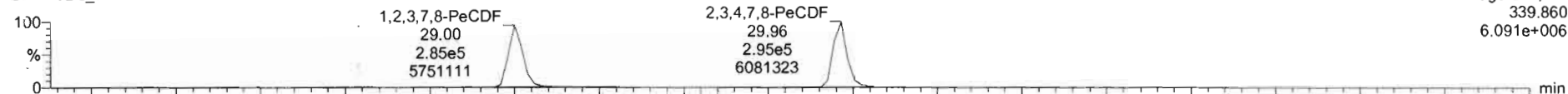
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

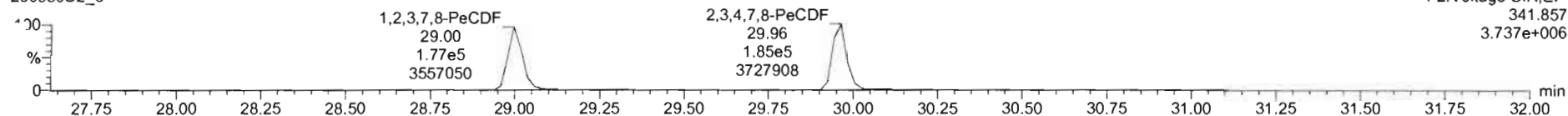
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

1,2,3,7,8-PeCDF

200930D2_5

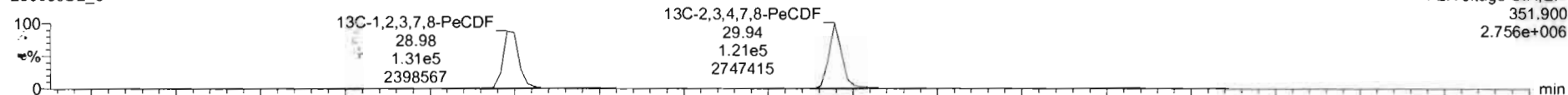


200930D2_5

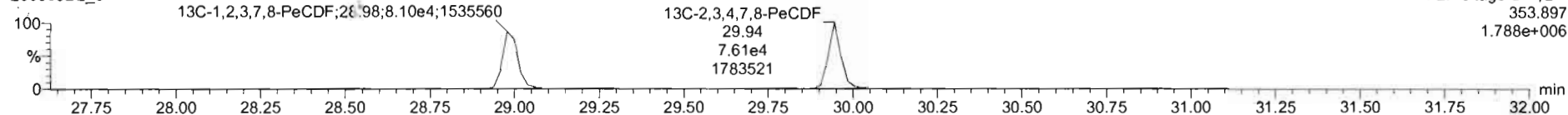


13C-1,2,3,7,8-PeCDF

200930D2_5

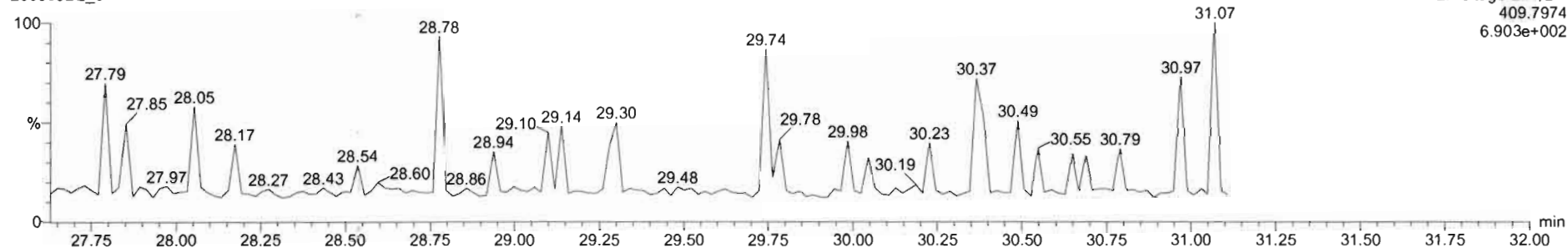


200930D2_5



DPE2

200930D2_5



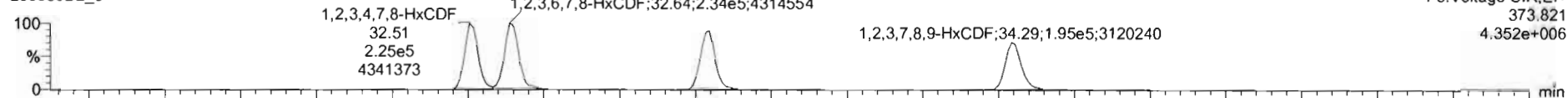
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

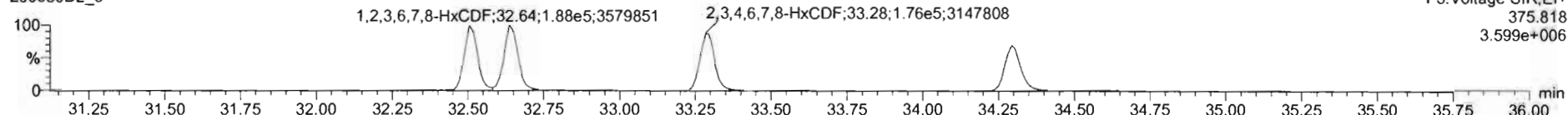
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

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

200930D2_5

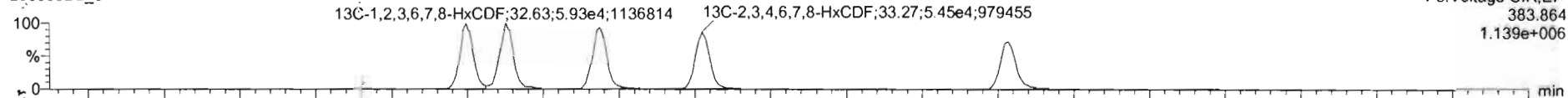


200930D2_5

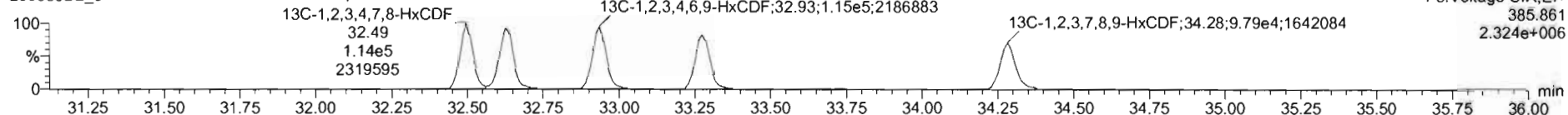


13C-1,2,3,4,7,8-HxCDF

200930D2_5

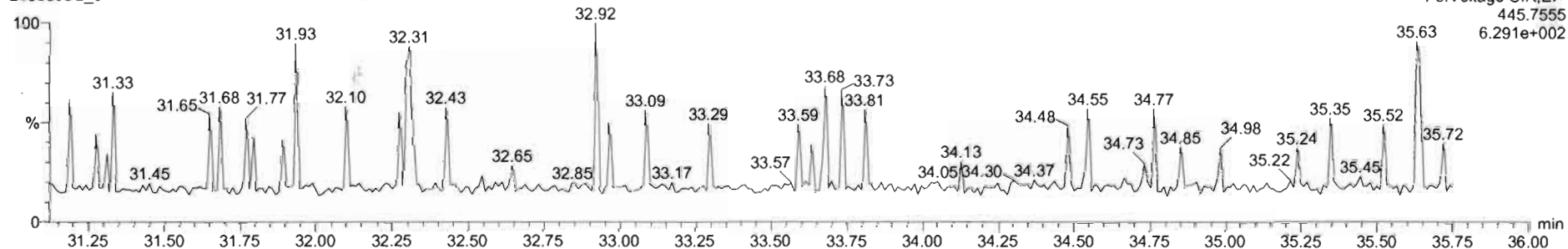


200930D2_5



DPE3

200930D2_5

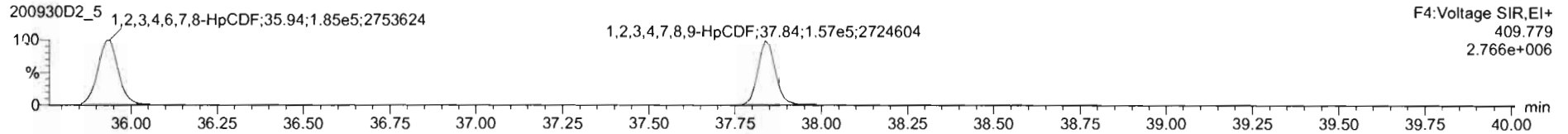
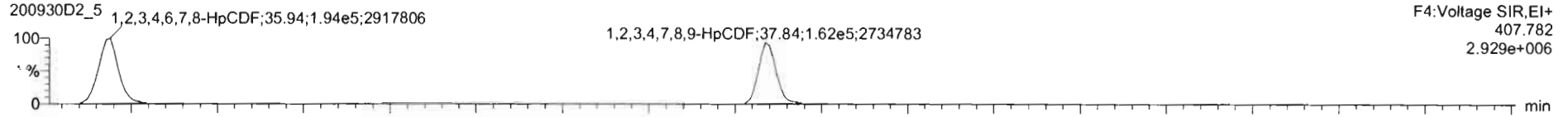


Dataset: U:\VG7.PRO\Results\2.00930D2\200930D2_CRV.qld

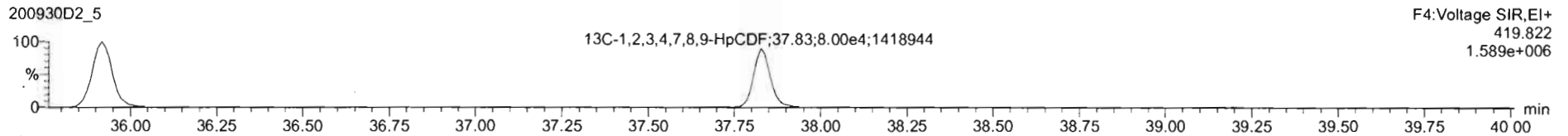
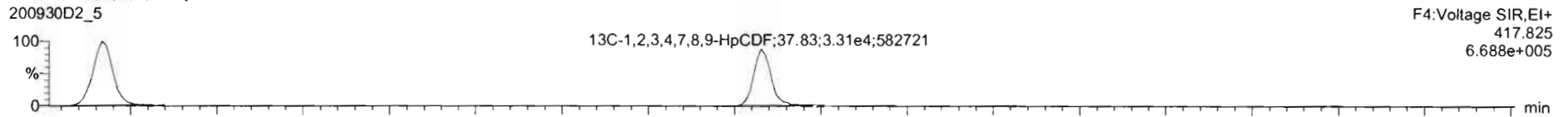
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

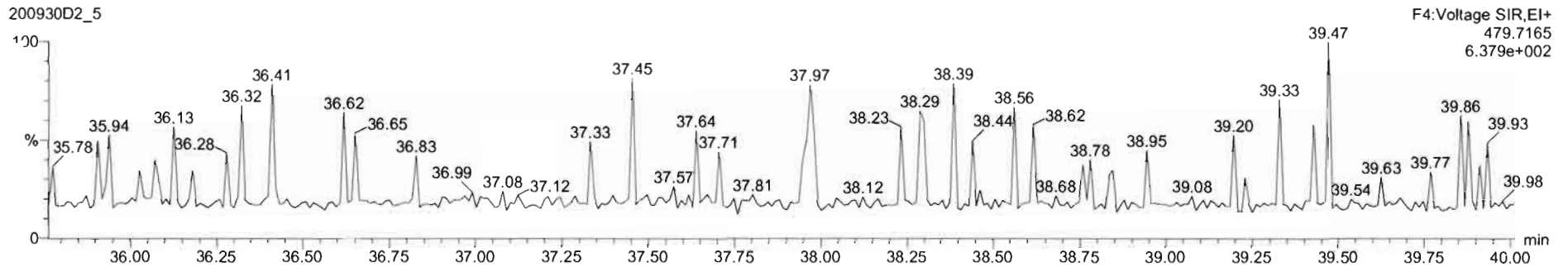
1,2,3,4,6,7,8-HpCDF



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



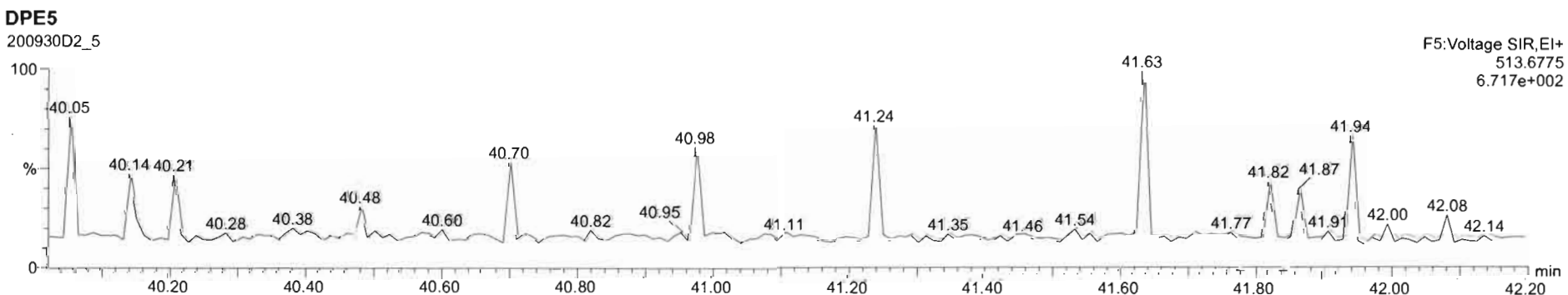
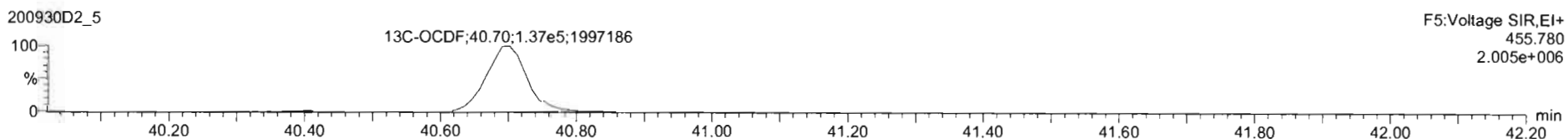
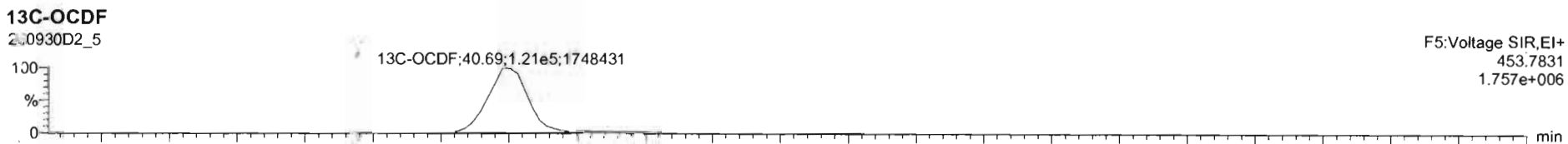
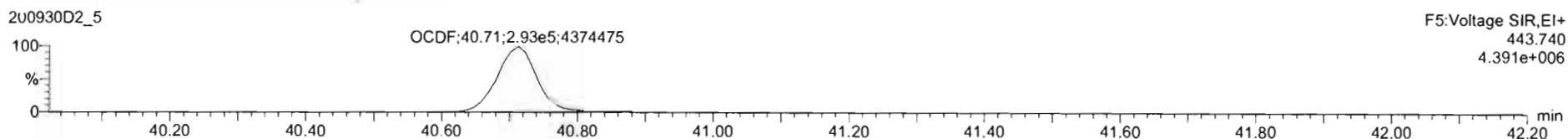
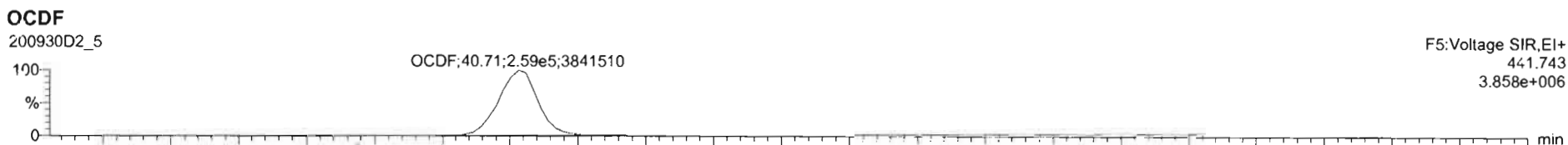
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

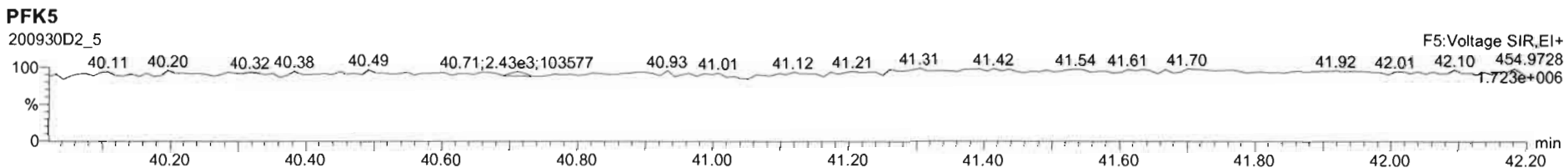
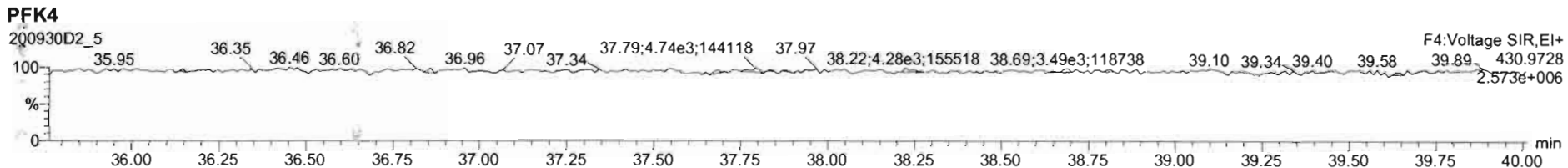
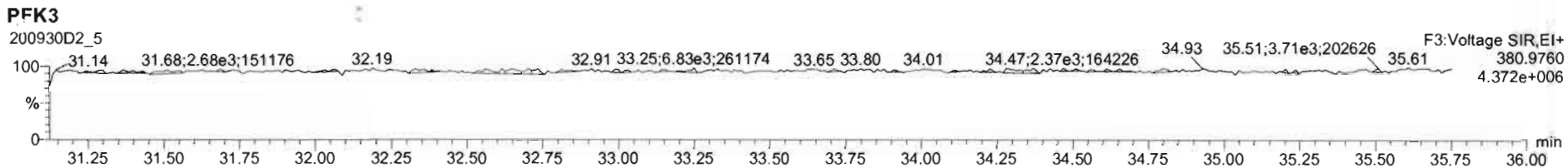
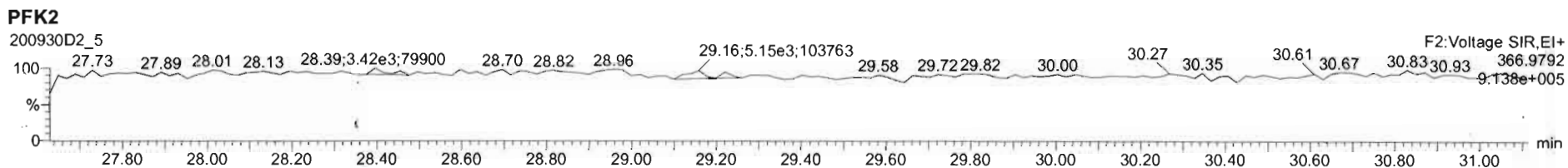
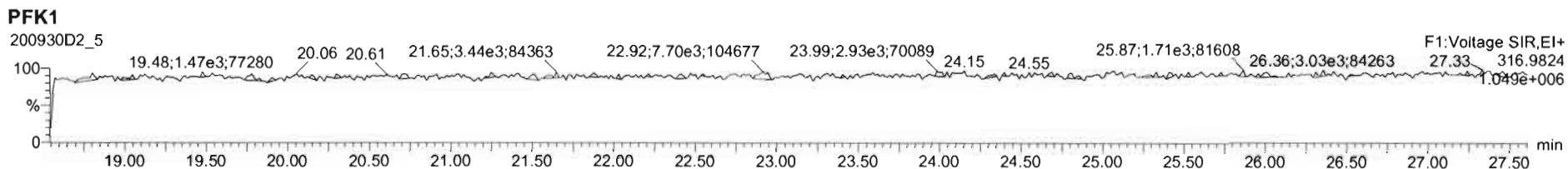
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106



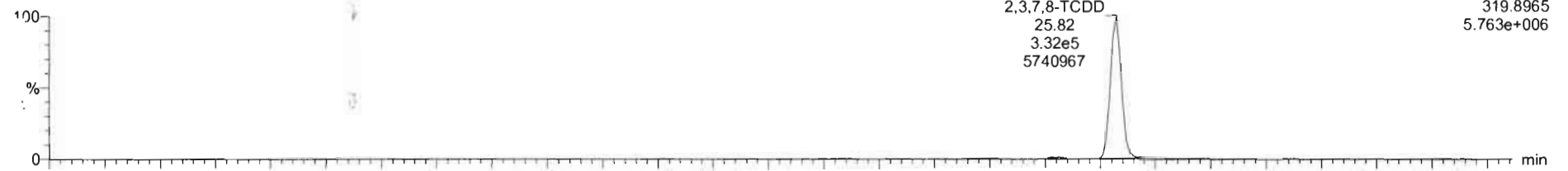
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

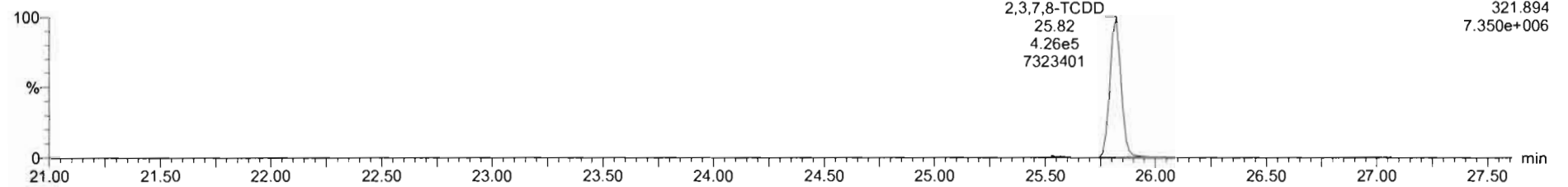
Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

2,3,7,8-TCDD

200930D2_6

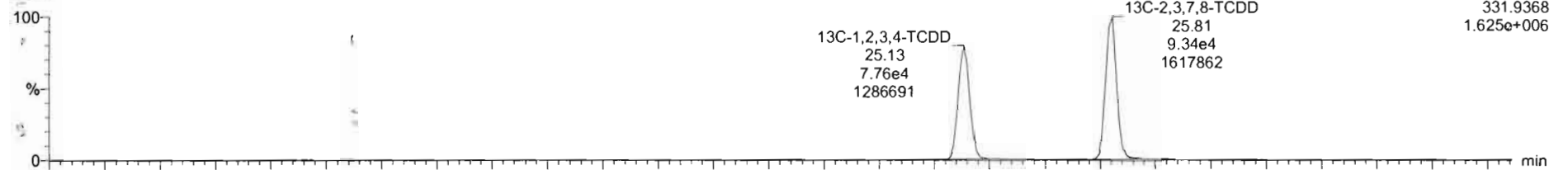


200930D2_6

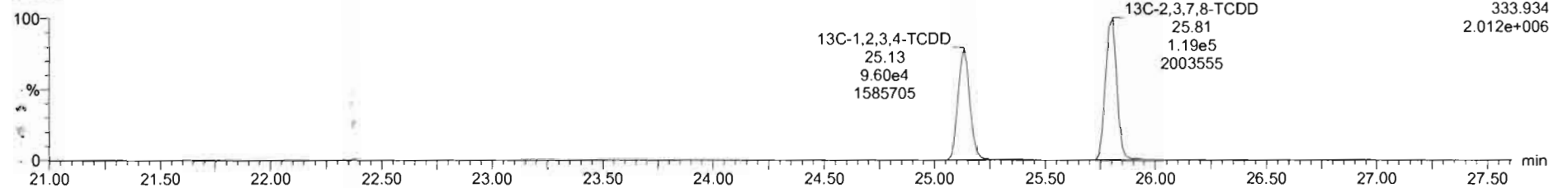


13C-2,3,7,8-TCDD

200930D2_6



200930D2_6

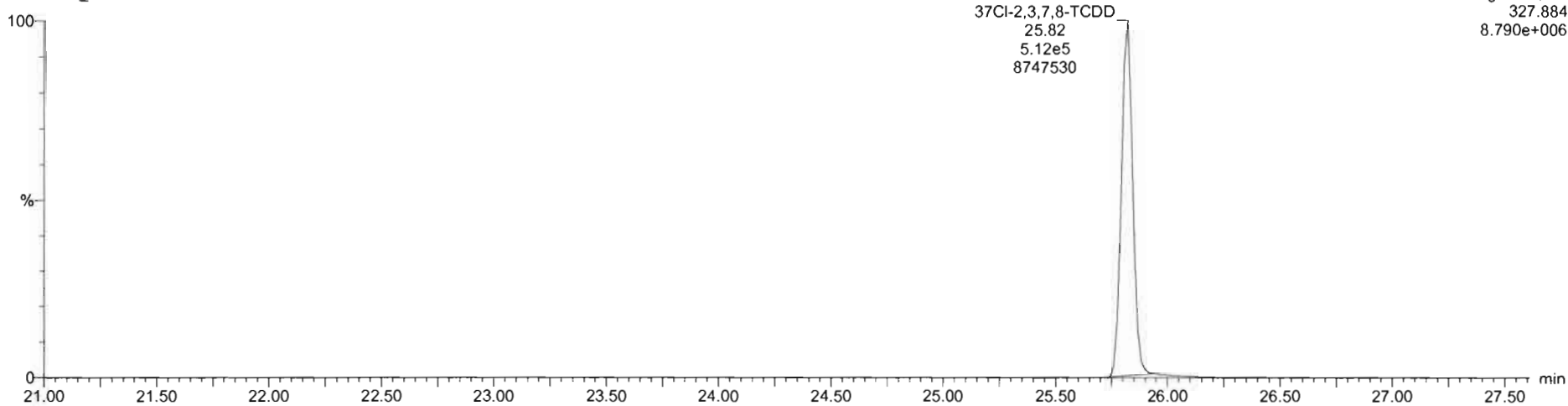


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

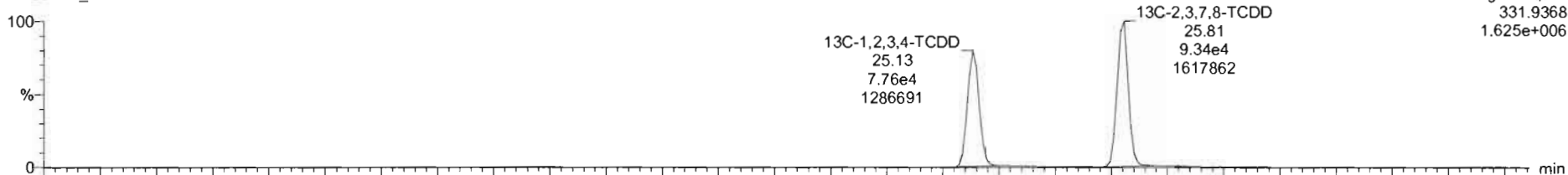
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

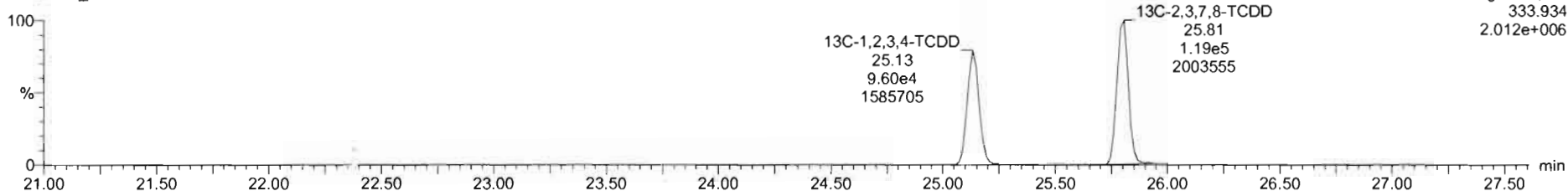
³⁷Cl-2,3,7,8-TCDD
200930D2_6



¹³C-1,2,3,4-TCDD
200930D2_6



200930D2_6



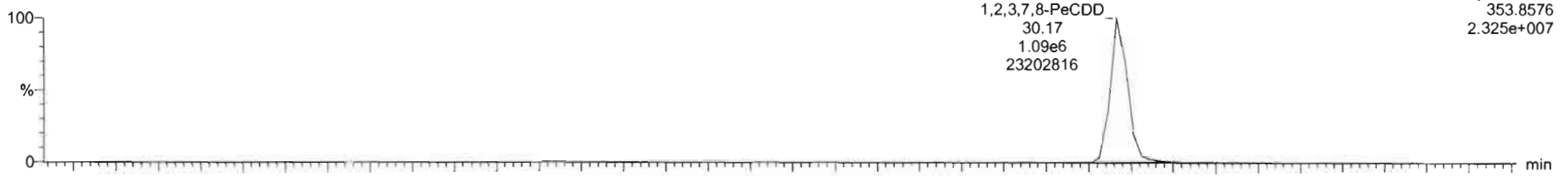
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

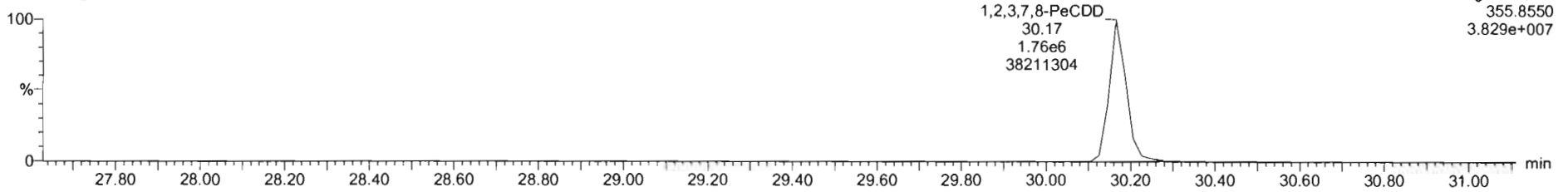
Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

1,2,3,7,8-PeCDD

200930D2_6

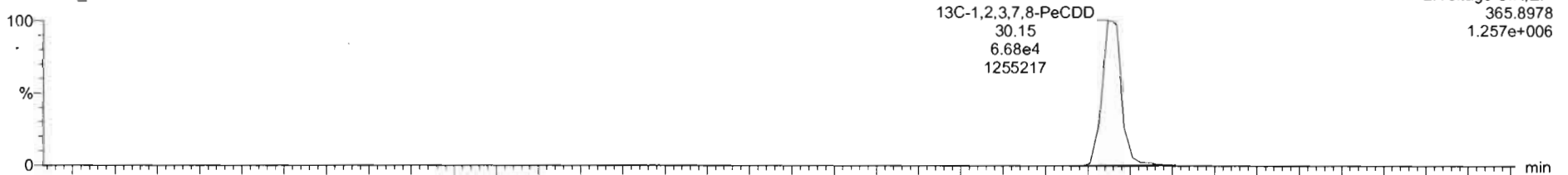


200930D2_6

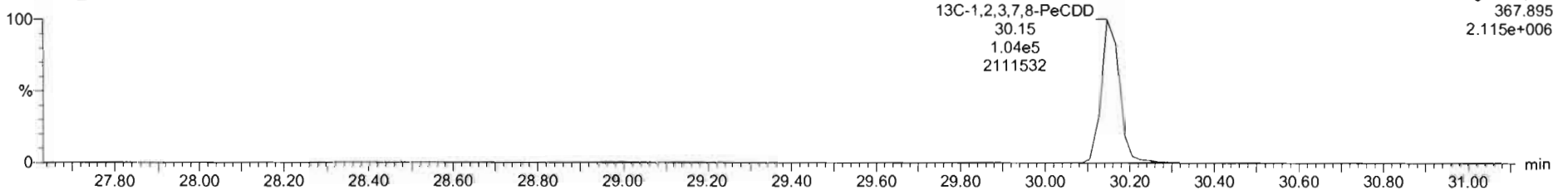


¹³C-1,2,3,7,8-PeCDD

200930D2_6



200930D2_6



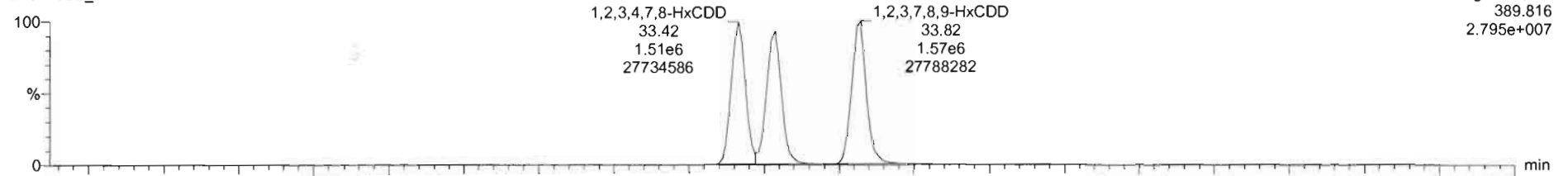
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

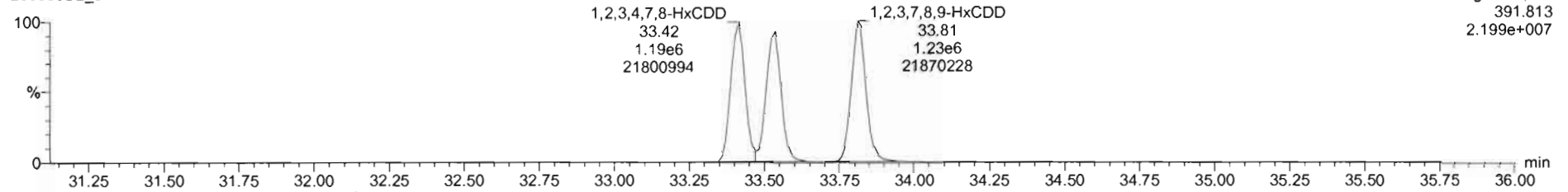
Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

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

200930D2_6

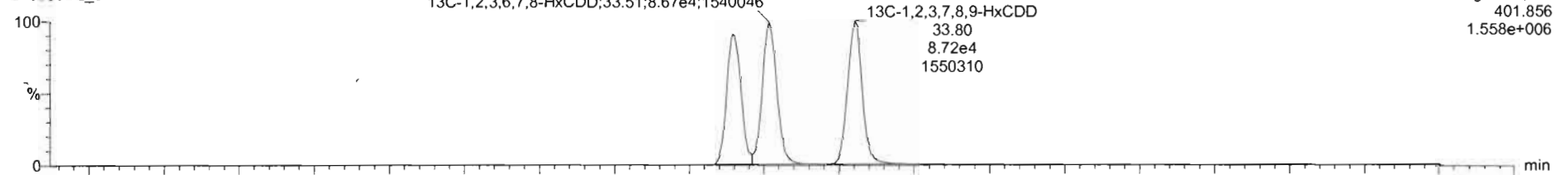


200930D2_6

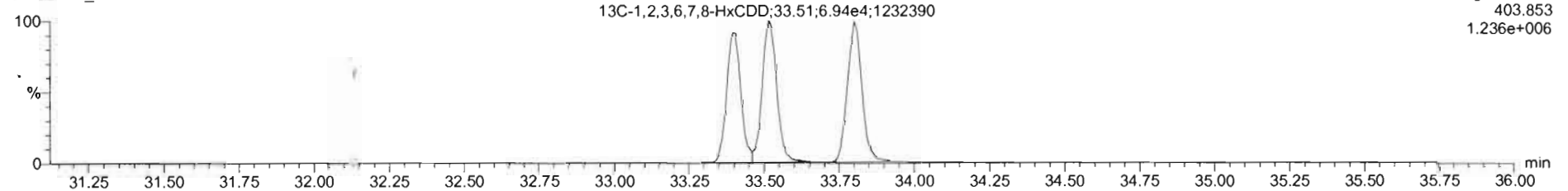


13C-1,2,3,4,7,8-HxCDD

200930D2_6



200930D2_6



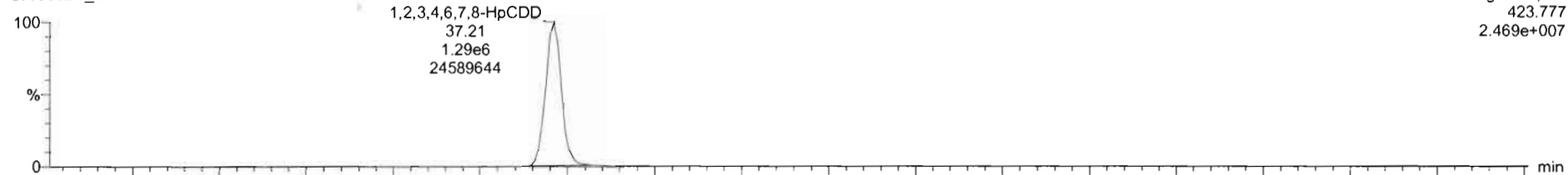
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

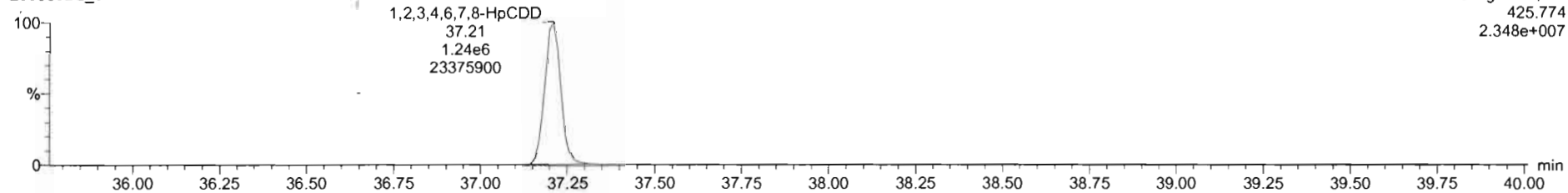
1,2,3,4,6,7,8-HpCDD

200930D2_6



F4:Voltage SIR,EI+
423.777
2.469e+007

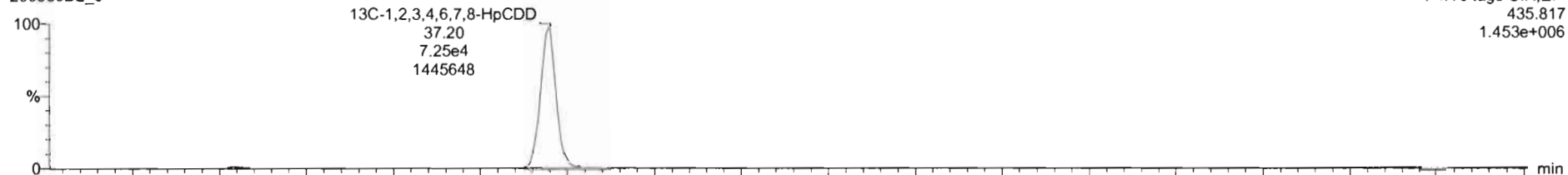
200930D2_6



F4:Voltage SIR,EI+
425.774
2.348e+007

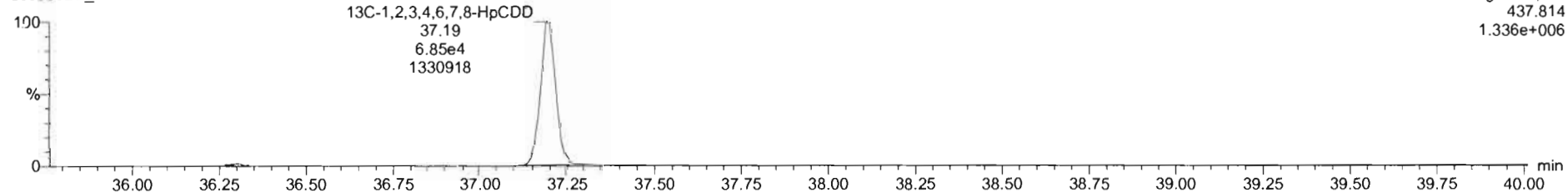
13C-1,2,3,4,6,7,8-HpCDD

200930D2_6



F4:Voltage SIR,EI+
435.817
1.453e+006

200930D2_6

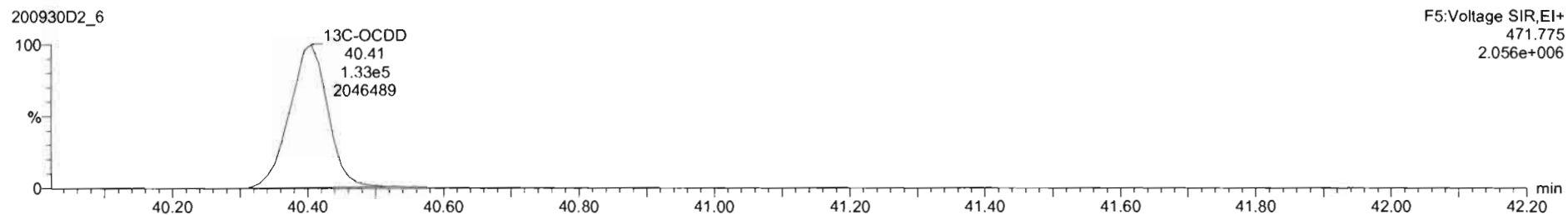
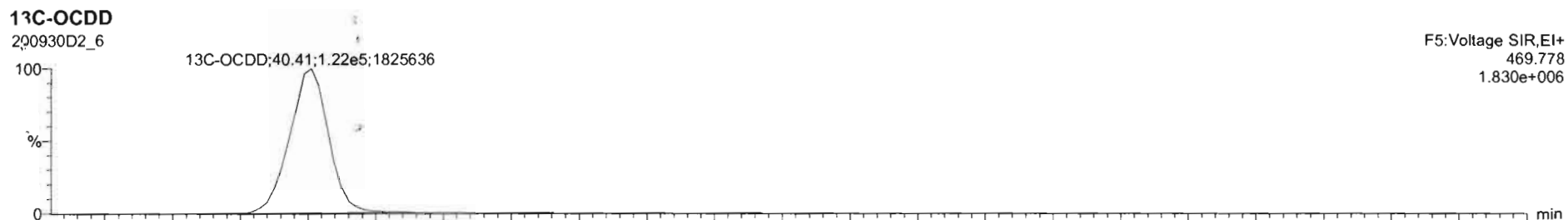
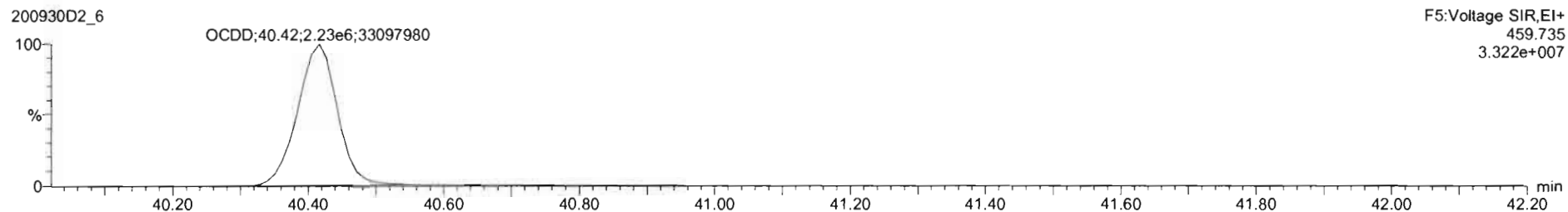
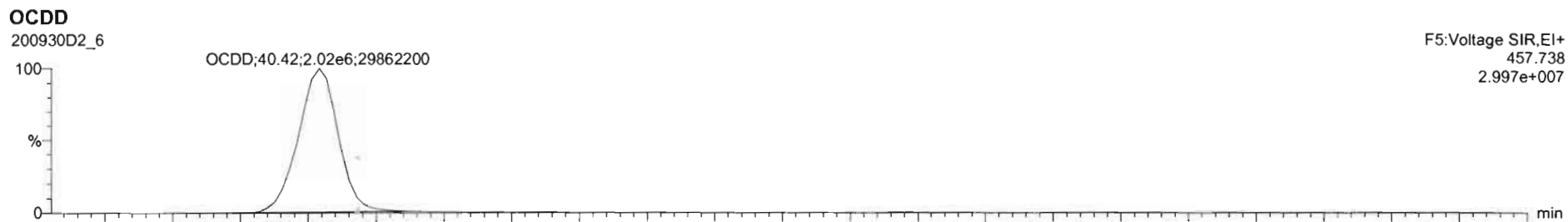


F4:Voltage SIR,EI+
437.814
1.336e+006

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

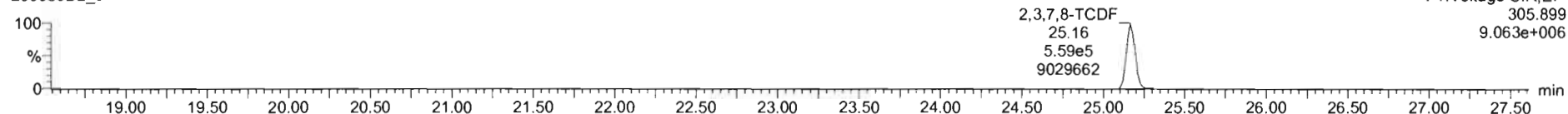
Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

2,3,7,8-TCDF

200930D2_6

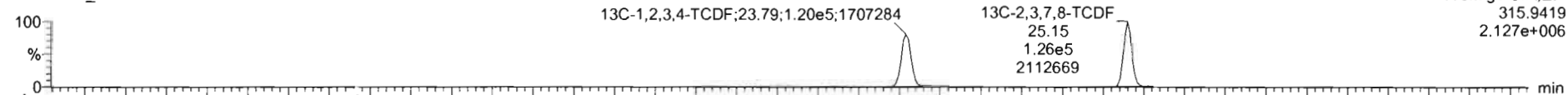


200930D2_6

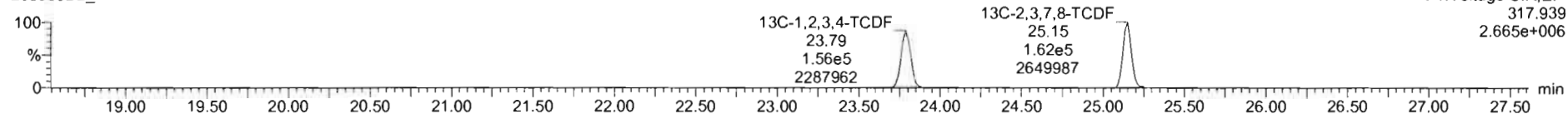


13C-2,3,7,8-TCDF

200930D2_6

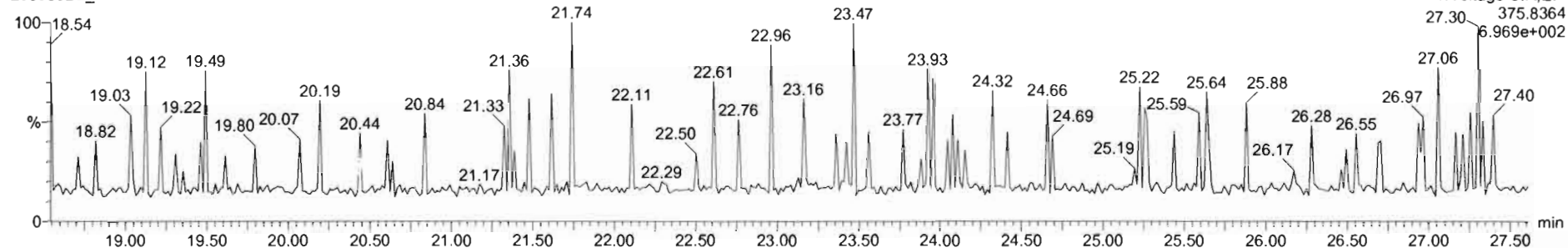


200930D2_6



DPE1

200930D2_6

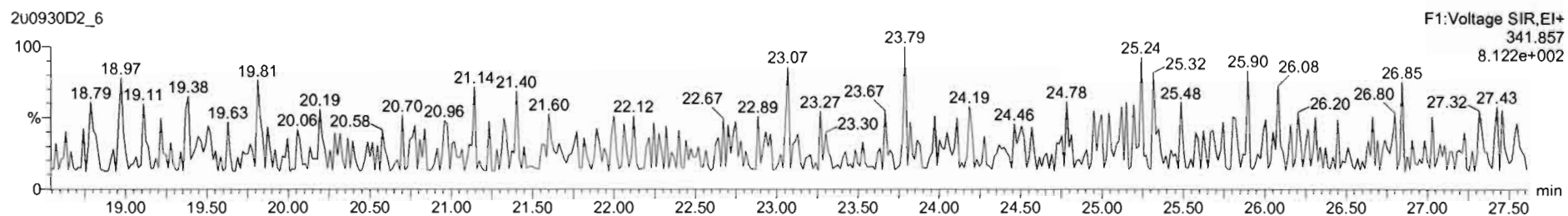
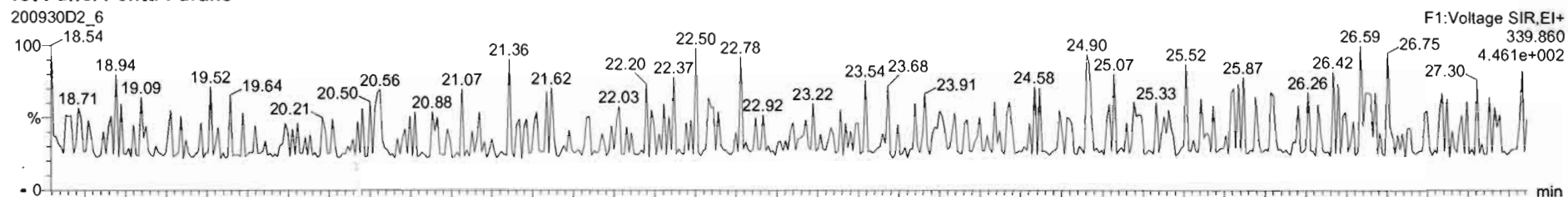


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

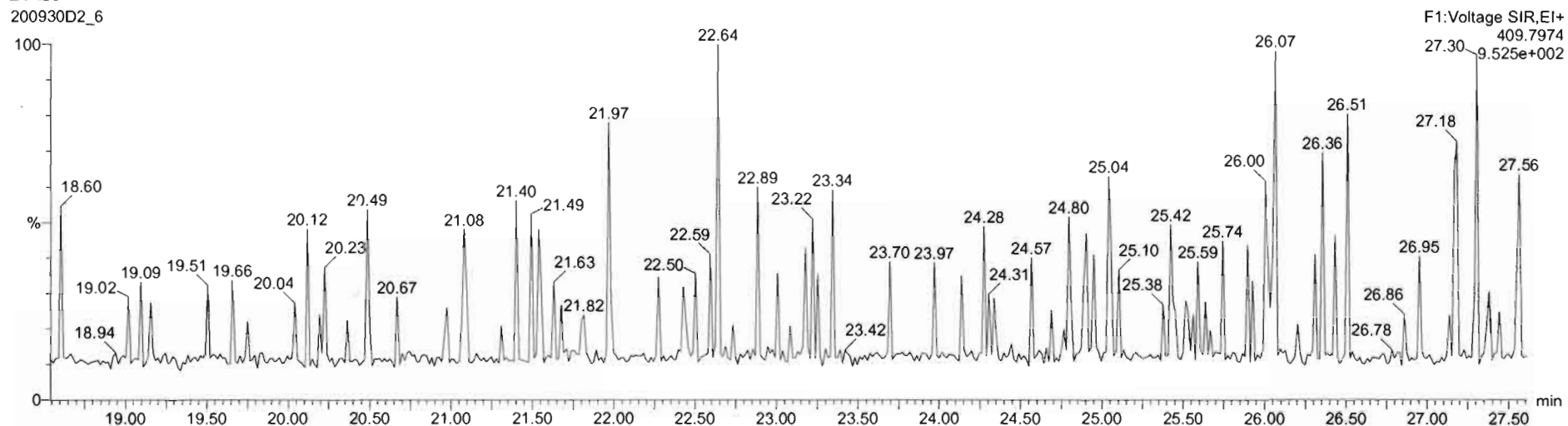
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

1st Func. Penta-Furans



DPE6



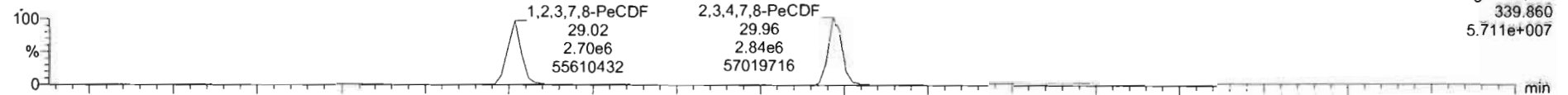
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

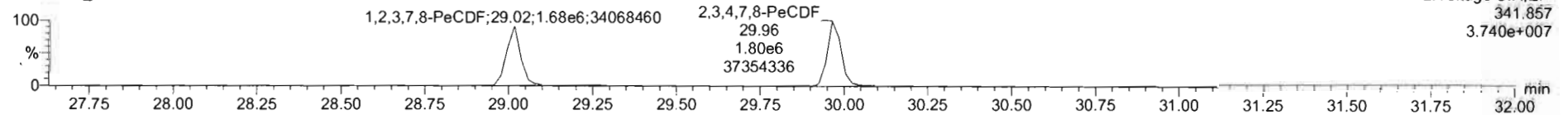
Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

1,2,3,7,8-PeCDF

200930D2_6

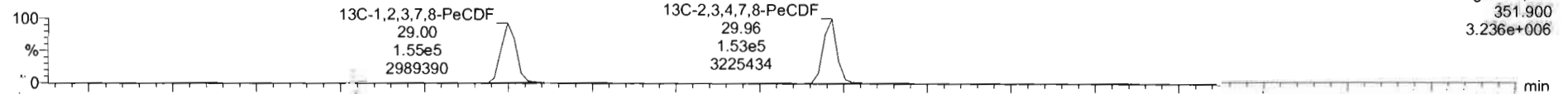


200930D2_6

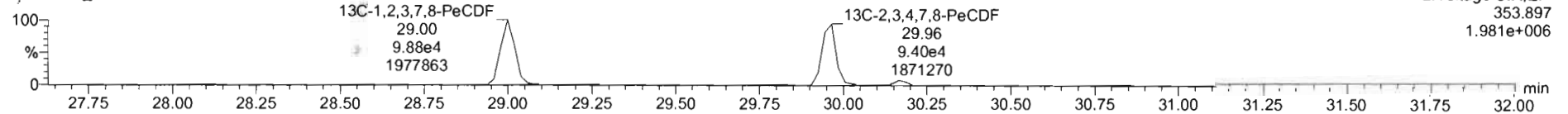


13C-1,2,3,7,8-PeCDF

200930D2_6

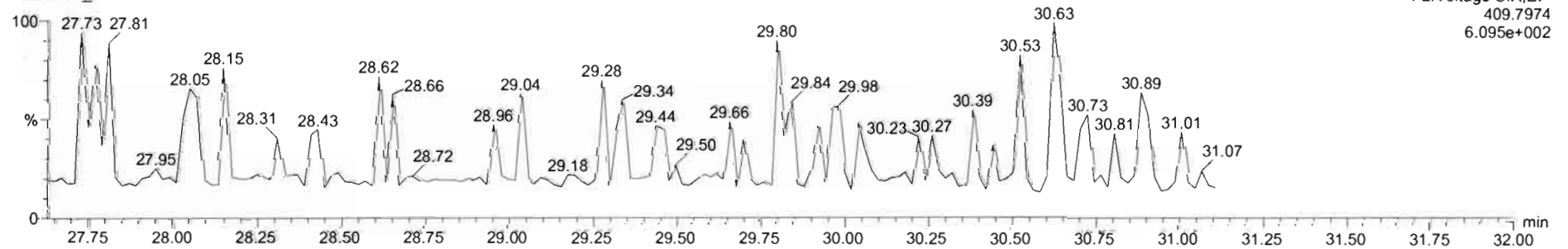


200930D2_6



DPE2

200930D2_6



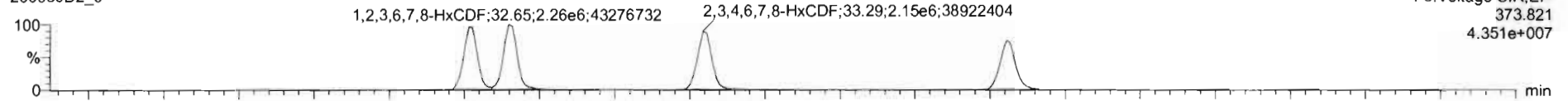
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

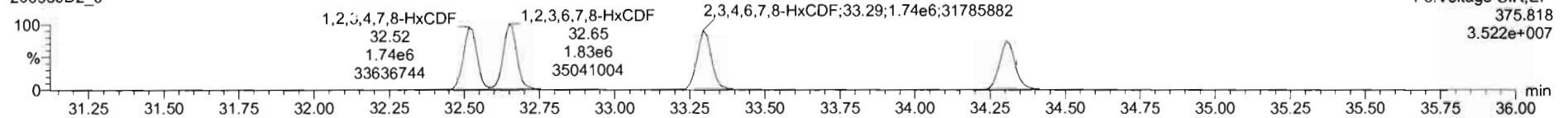
1,2,3,4,7,8-HxCDF

200930D2_6



F3: Voltage SIR, EI+
373.821
4.351e+007

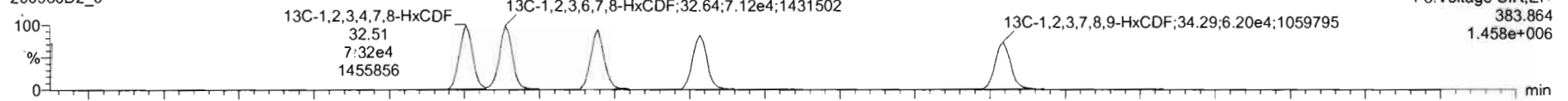
200930D2_6



F3: Voltage SIR, EI+
375.818
3.522e+007

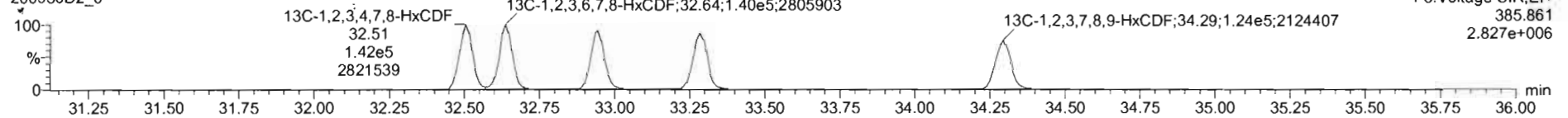
13C-1,2,3,4,7,8-HxCDF

200930D2_6



F3: Voltage SIR, EI+
383.864
1.458e+006

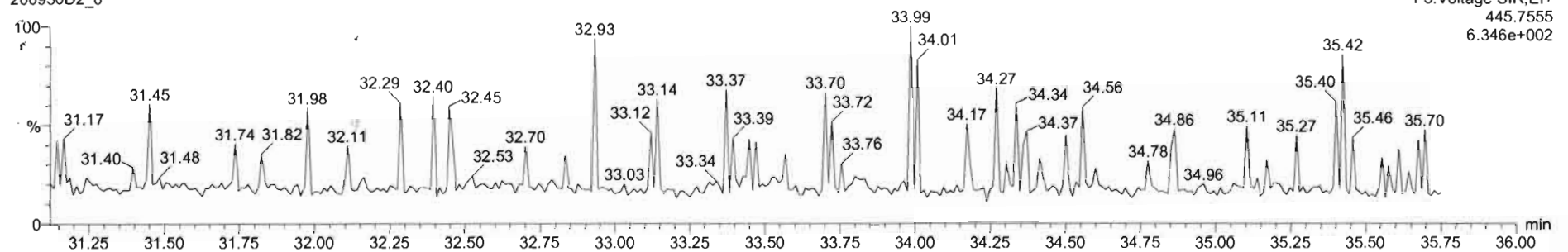
200930D2_6



F3: Voltage SIR, EI+
385.861
2.827e+006

DPE3

200930D2_6



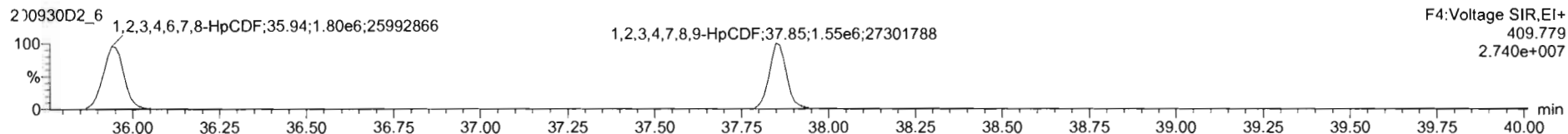
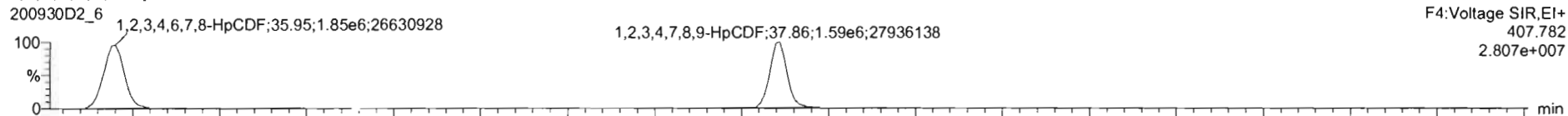
F3: Voltage SIR, EI+
445.7555
6.346e+002

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

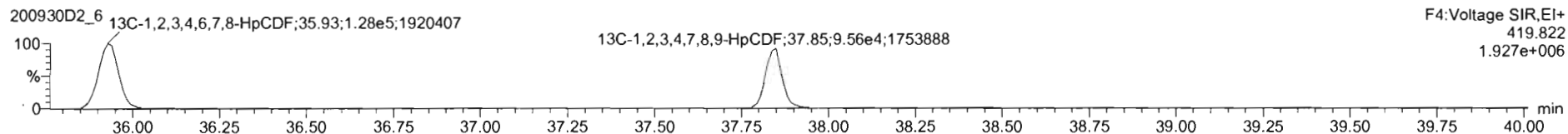
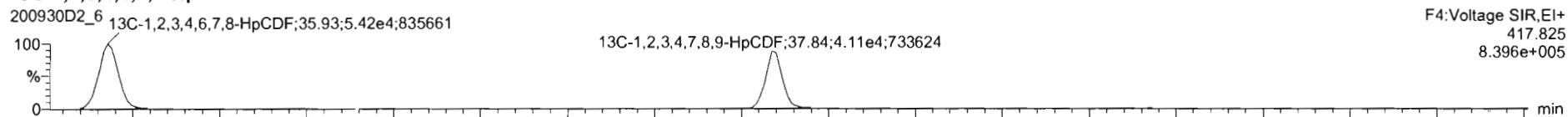
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

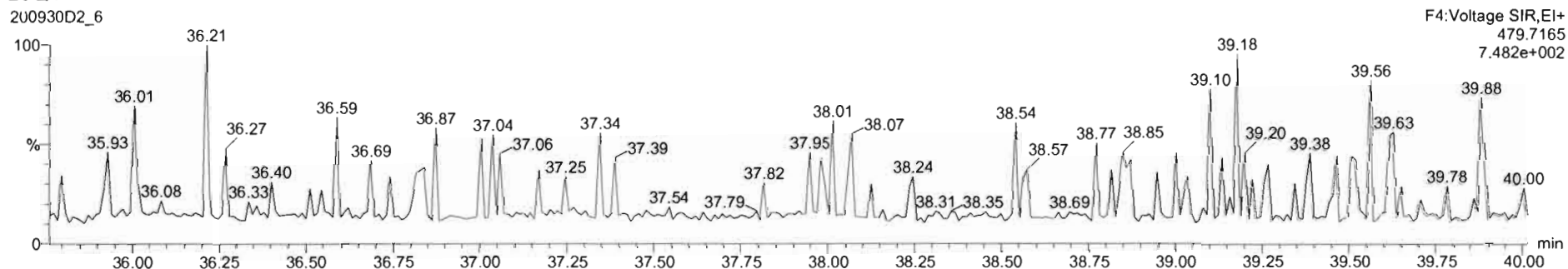
1,2,3,4,6,7,8-HpCDF



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



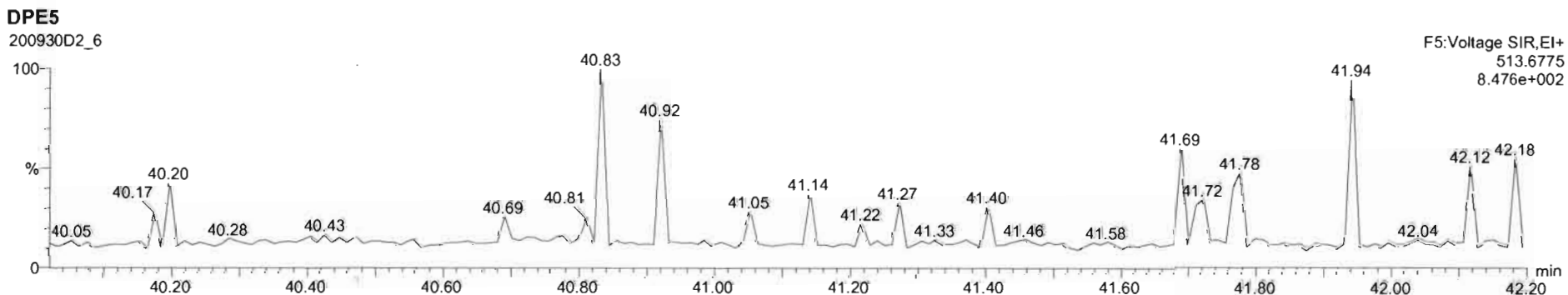
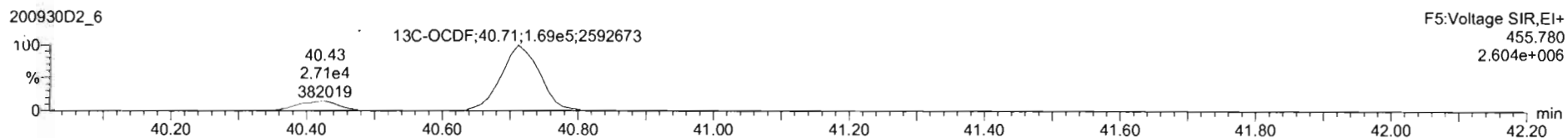
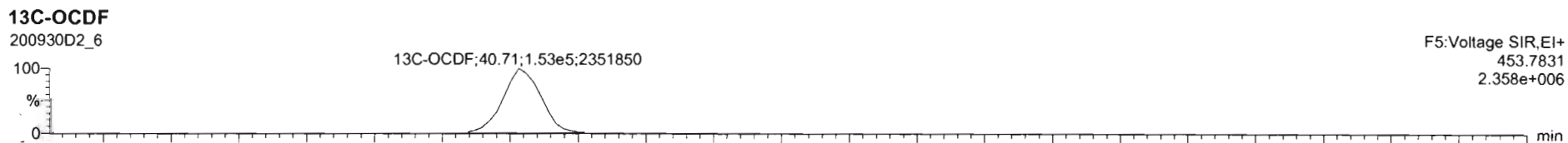
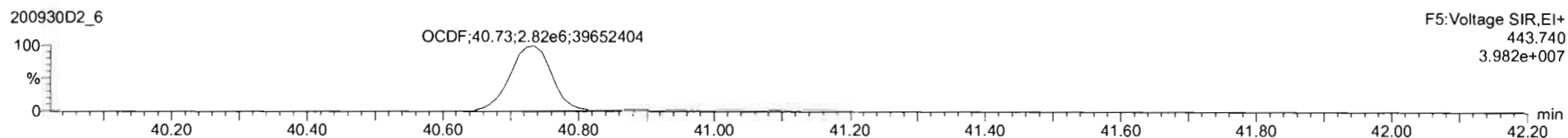
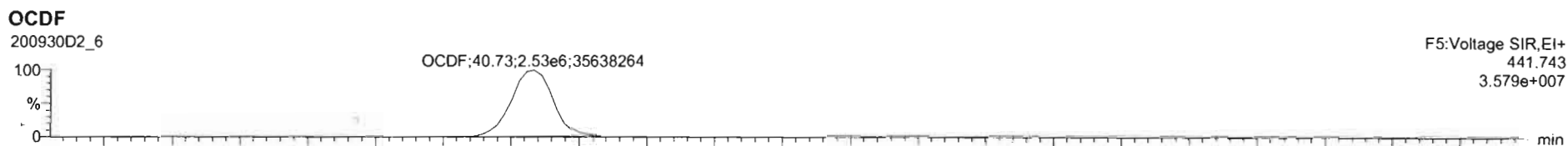
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

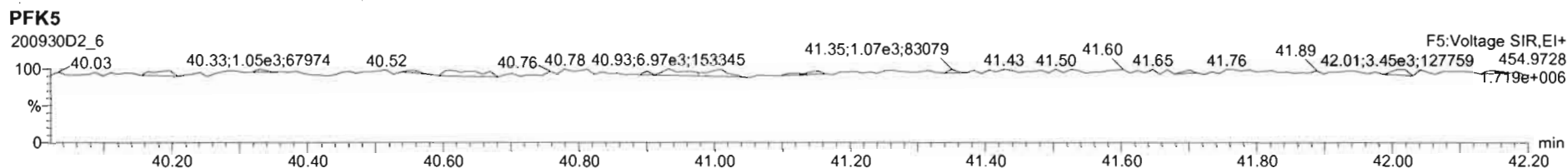
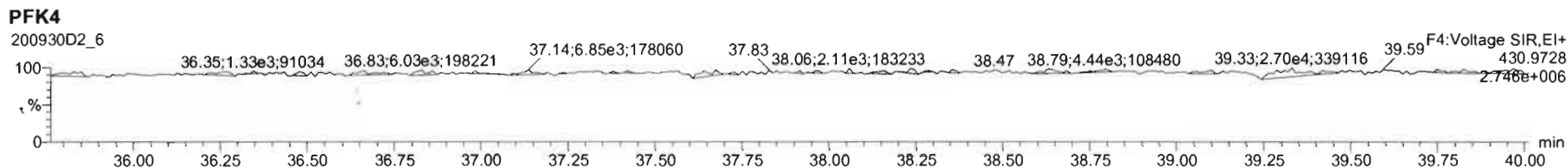
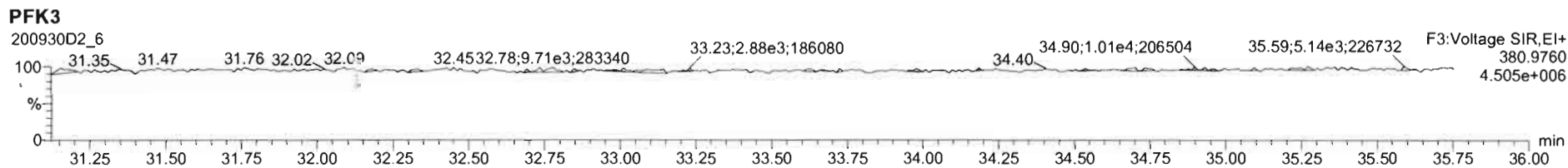
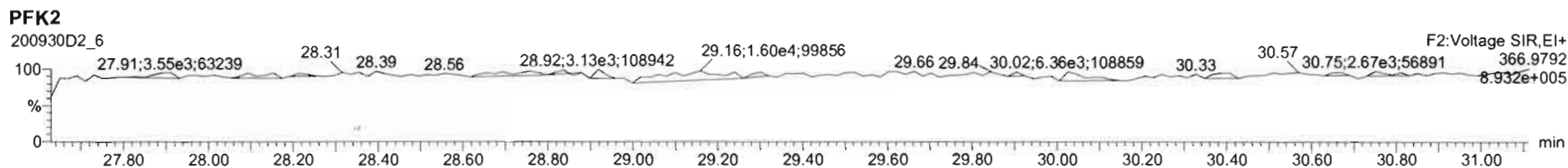
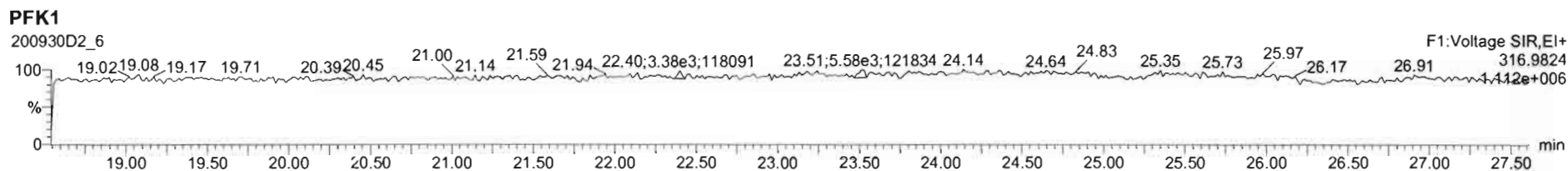


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time

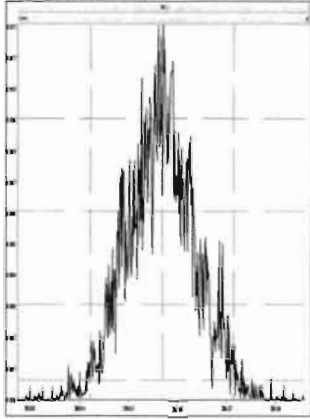
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

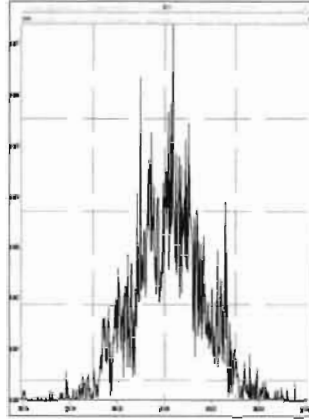


Printed: Thursday, October 01, 2020 02:40:50 Pacific Daylight Time

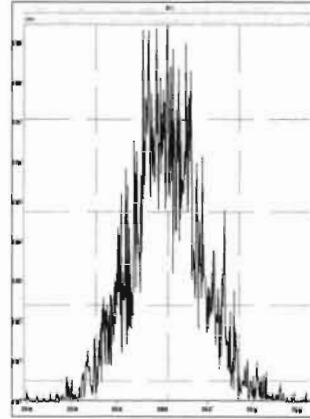
M 292.9824 R 11712



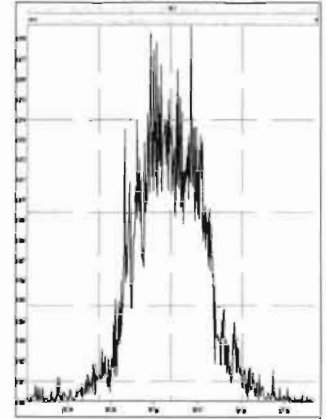
M 304.9824 R 12641



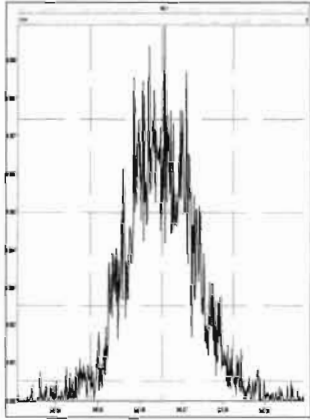
M 318.9792 R 10443



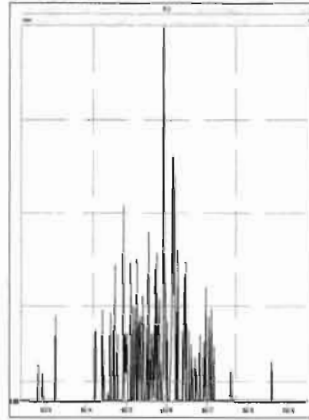
M 330.9792 R 10560



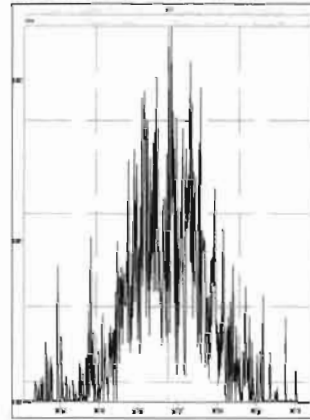
M 342.9792 R 11046



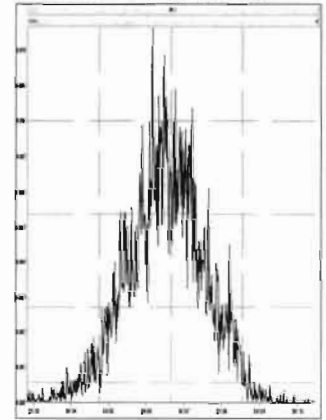
M 354.9792 R 833337



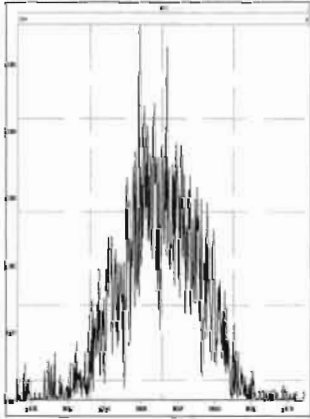
M 366.9792 R 14783



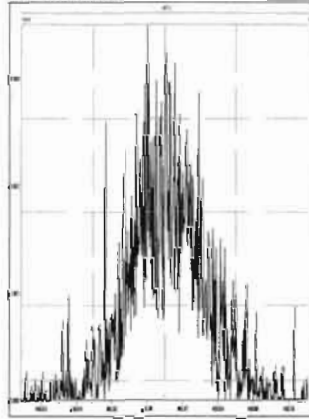
M 380.9760 R 10458



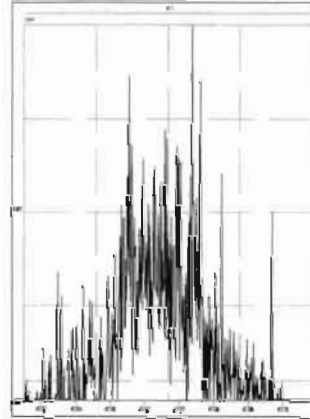
M 392.9760 R 11470



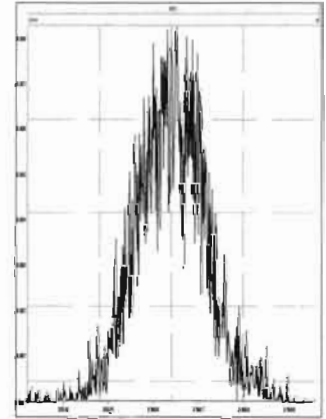
M 404.9760 R 13416



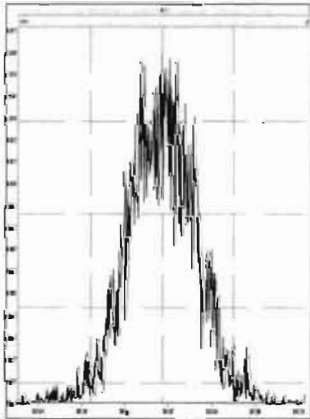
M 416.9760 R 25489



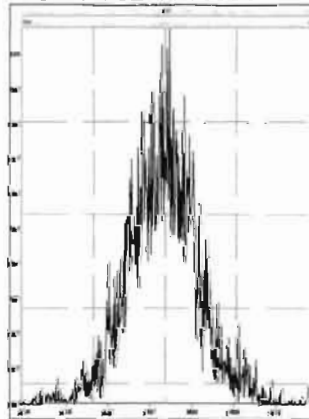
M 318.9792 R 11295



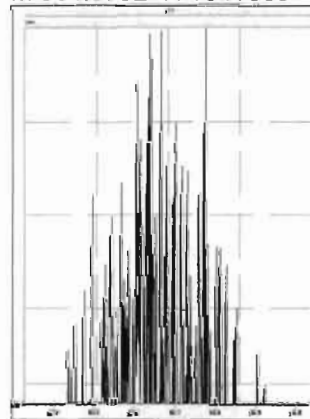
M 330.9792 R 11765



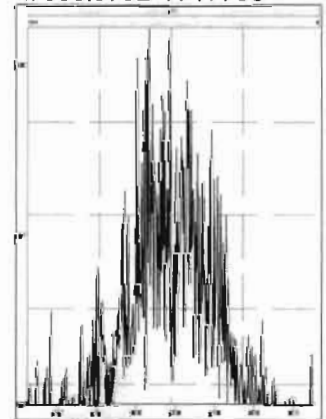
M 342.9792 R 10995



M 354.9792 R 1041663

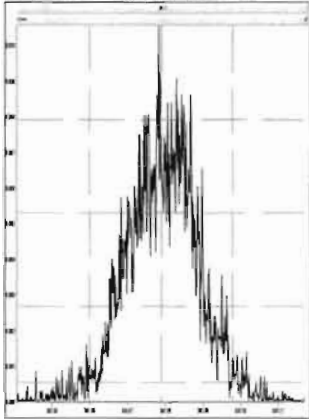


M 366.9792 R 17795

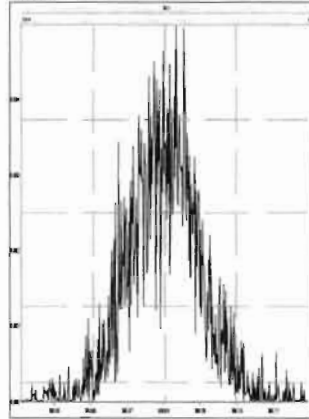


Printed: Thursday, October 01, 2020 02:40:50 Pacific Daylight Time

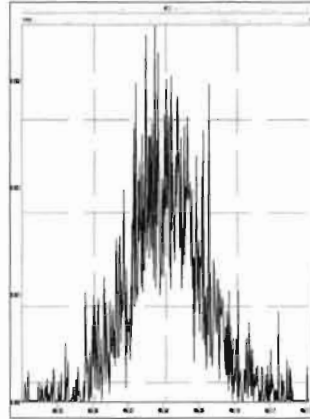
M 380.9760 R 11218



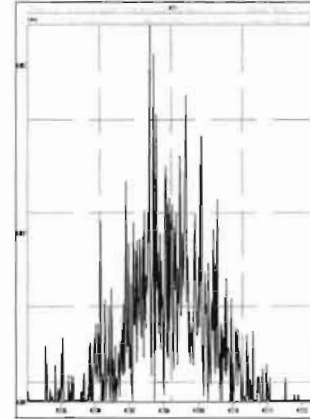
M 392.9760 R 11451



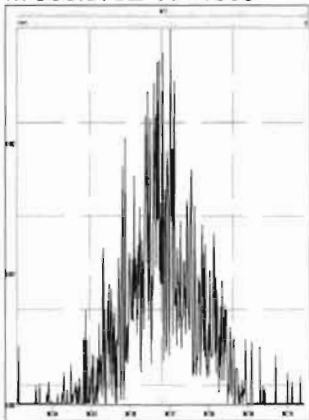
M 404.9760 R 12059



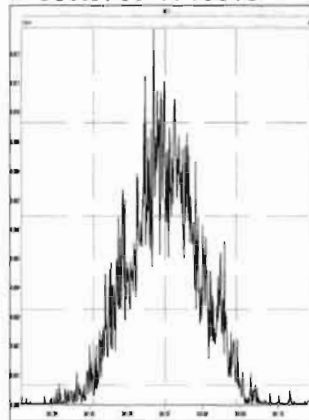
M 416.9760 R 27954



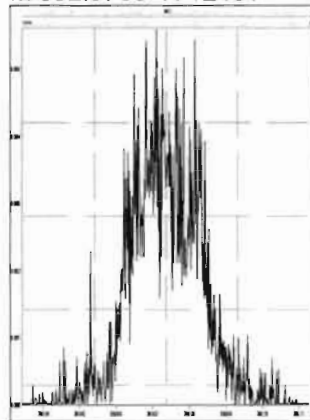
M 366.9792 R 14660



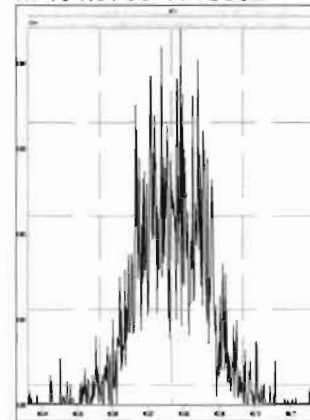
M 380.9760 R 10515



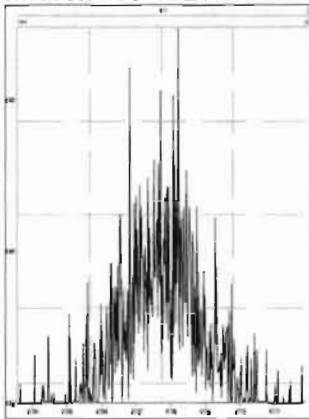
M 392.9760 R 12461



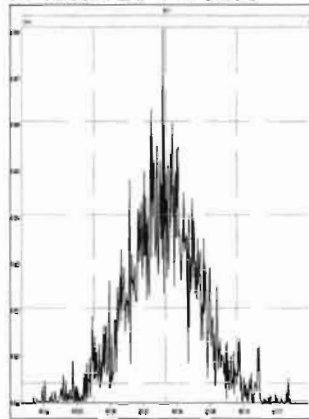
M 404.9760 R 13352



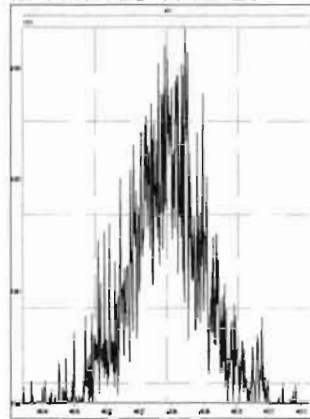
M 416.9760 R 21740



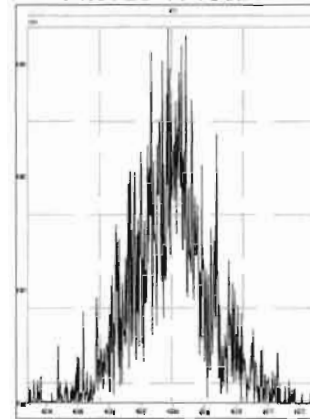
M 430.9728 R 10803



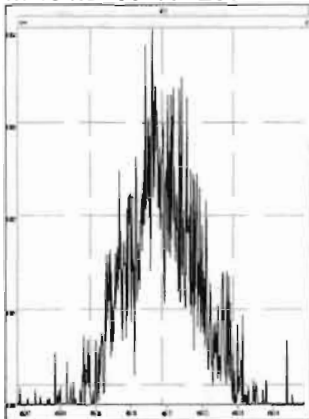
M 442.9728 R 12226



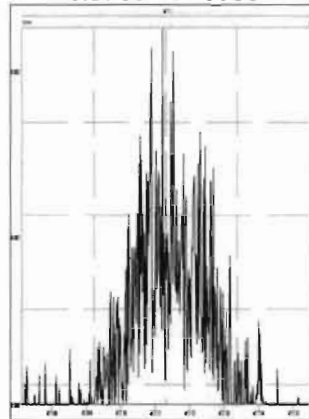
M 454.9728 R 13320



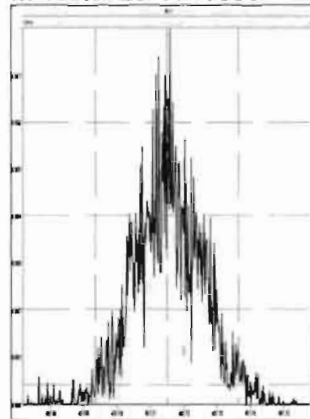
M 404.9760 R 12001



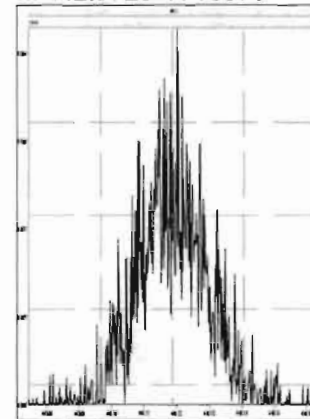
M 416.9760 R 16033



M 430.9728 R 10893

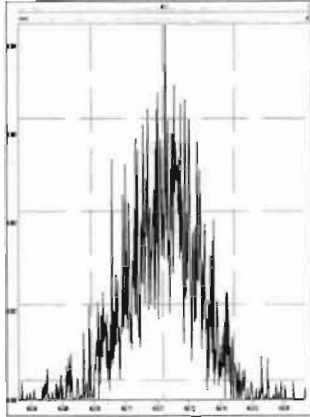


M 442.9728 R 13370

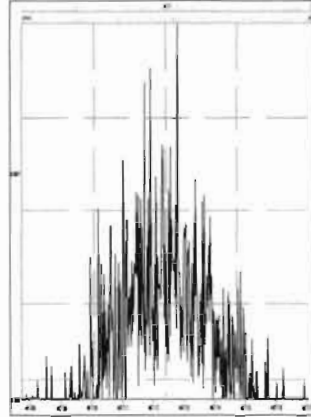


Printed: Thursday, October 01, 2020 02:40:50 Pacific Daylight Time

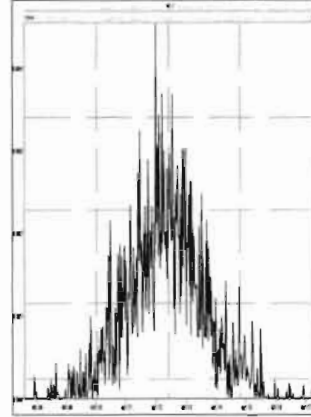
M 454.9728 R 14302



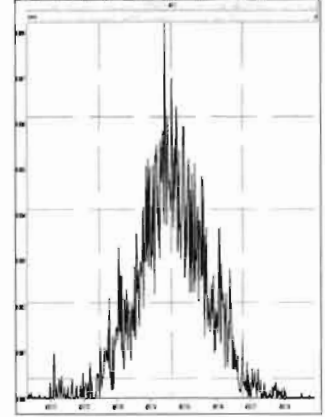
M 466.9728 R 30207



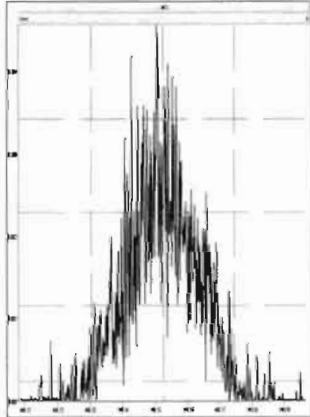
M 480.9696 R 12048



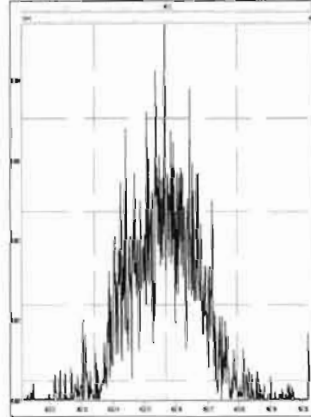
M 430.9728 R 11801



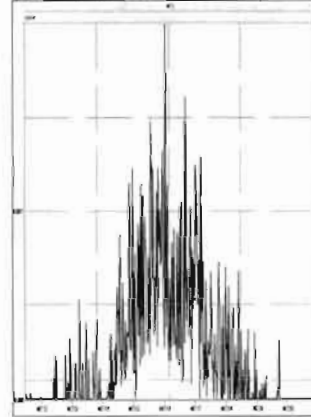
M 442.9728 R 12386



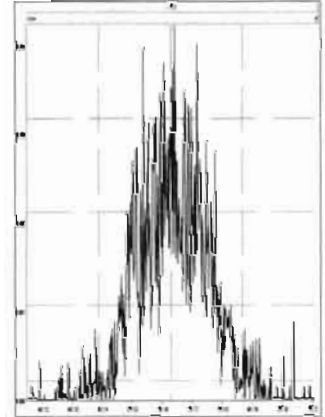
M 454.9728 R 12732



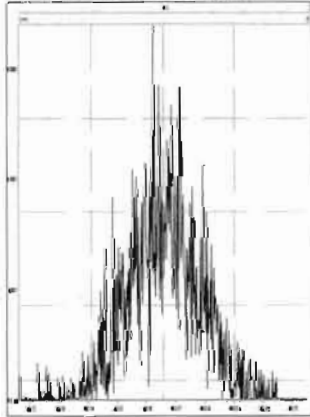
M 466.9728 R 22233



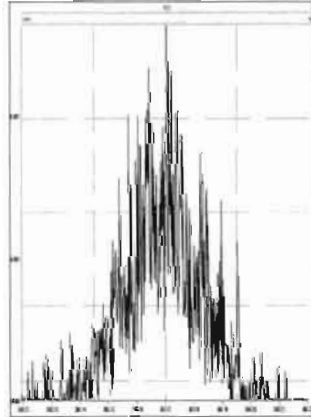
M 480.9696 R 13549



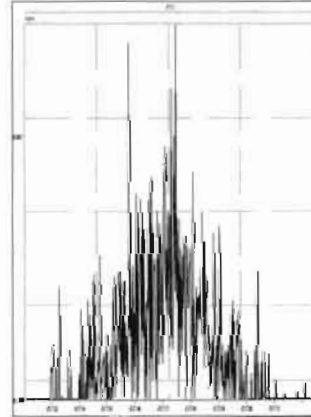
M 492.9696 R 14001



M 504.9696 R 12026



M 516.9697 R 69497



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:01 Pacific Daylight Time

DB 10/1/20 CT 10/01/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

#	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	2.31e4	0.74	NO	1.00	1.000	25.821	25.82	1.001	1.001	10.260	103	0.0632	10.3
2	2 1,2,3,7,8-PeCDD	8.31e4	0.61	NO	0.935	1.000	30.187	30.19	1.001	1.001	53.368	107	0.106	53.4
3	3 1,2,3,4,7,8-HxCDD	7.77e4	1.26	NO	1.15	1.000	33.415	33.42	1.000	1.000	45.778	91.6	0.150	45.8
4	4 1,2,3,6,7,8-HxCDD	8.20e4	1.25	NO	1.02	1.000	33.526	33.54	1.000	1.000	47.955	95.9	0.161	48.0
5	5 1,2,3,7,8,9-HxCDD	7.98e4	1.27	NO	1.06	1.000	33.845	33.82	1.001	1.000	45.851	91.7	0.156	45.9
6	6 1,2,3,4,6,7,8-HpCDD	7.23e4	1.07	NO	1.00	1.000	37.213	37.21	1.000	1.000	49.364	98.7	0.231	49.4
7	7 OCDD	1.24e5	0.89	NO	0.952	1.000	40.395	40.41	1.000	1.000	100.14	100	0.175	100
8	8 2,3,7,8-TCDF	3.03e4	0.76	NO	1.01	1.000	25.174	25.16	1.001	1.001	8.5800	85.8	0.0490	8.58
9	9 1,2,3,7,8-PeCDF	1.26e5	1.58	NO	0.998	1.000	29.019	29.02	1.001	1.001	47.977	96.0	0.102	48.0
10	10 2,3,4,7,8-PeCDF	1.46e5	1.58	NO	1.07	1.000	29.994	29.98	1.001	1.001	53.283	107	0.0861	53.3
11	11 1,2,3,4,7,8-HxCDF	1.29e5	1.25	NO	1.05	1.000	32.505	32.53	1.000	1.001	56.257	113	0.172	56.3
12	12 1,2,3,6,7,8-HxCDF	1.36e5	1.28	NO	1.10	1.000	32.658	32.66	1.000	1.000	56.801	114	0.172	56.8
13	13 2,3,4,6,7,8-HxCDF	1.28e5	1.27	NO	1.09	1.000	33.328	33.31	1.001	1.000	57.613	115	0.191	57.6
14	14 1,2,3,7,8,9-HxCDF	1.06e5	1.25	NO	1.08	1.000	34.294	34.32	1.000	1.001	53.240	106	0.252	53.2
15	15 1,2,3,4,6,7,8-HpCDF	1.20e5	1.03	NO	1.13	1.000	35.976	35.95	1.001	1.000	52.614	105	0.212	52.6
16	16 1,2,3,4,7,8,9-HpCDF	9.52e4	1.03	NO	1.29	1.000	37.849	37.86	1.000	1.000	51.703	103	0.224	51.7
17	17 OCDF	1.66e5	0.89	NO	0.953	1.000	40.702	40.72	1.000	1.001	114.48	114	0.229	114
18	18 13C-2,3,7,8-TCDD	2.25e5	0.80	NO	1.17	1.000	25.787	25.79	1.026	1.026	94.491	94.5	0.271	
19	19 13C-1,2,3,7,8-PeCDD	1.66e5	0.62	NO	0.914	1.000	29.974	30.17	1.193	1.200	89.682	89.7	0.183	
20	20 13C-1,2,3,4,7,8-HxCDD	1.47e5	1.28	NO	0.634	1.000	33.405	33.40	1.014	1.014	105.24	105	0.428	
21	21 13C-1,2,3,6,7,8-HxCDD	1.67e5	1.27	NO	0.724	1.000	33.514	33.53	1.017	1.018	104.35	104	0.375	
22	22 13C-1,2,3,7,8,9-HxCDD	1.64e5	1.25	NO	0.716	1.000	33.781	33.81	1.025	1.026	103.67	104	0.379	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.46e5	1.05	NO	0.660	1.000	37.194	37.20	1.129	1.129	100.22	100	0.415	
24	24 13C-OCDD	2.61e5	0.89	NO	0.587	1.000	40.172	40.39	1.219	1.226	201.24	101	0.287	
25	25 13C-2,3,7,8-TCDF	3.48e5	0.73	NO	1.02	1.000	24.882	25.15	0.990	1.001	99.486	99.5	0.276	
26	26 13C-1,2,3,7,8-PeCDF	2.62e5	1.59	NO	0.842	1.000	29.046	29.00	1.156	1.154	91.006	91.0	0.298	
27	27 13C-2,3,4,7,8-PeCDF	2.55e5	1.67	NO	0.802	1.000	29.934	29.96	1.191	1.192	92.871	92.9	0.313	
28	28 13C-1,2,3,4,7,8-HxCDF	2.17e5	0.51	NO	1.00	1.000	32.549	32.51	0.988	0.987	98.055	98.1	0.333	
29	29 13C-1,2,3,6,7,8-HxCDF	2.17e5	0.52	NO	1.02	1.000	32.680	32.65	0.992	0.991	96.461	96.5	0.328	
30	30 13C-2,3,4,6,7,8-HxCDF	2.05e5	0.52	NO	0.955	1.000	33.244	33.30	1.009	1.011	97.072	97.1	0.350	
31	31 13C-1,2,3,7,8,9-HxCDF	1.83e5	0.53	NO	0.851	1.000	34.308	34.29	1.041	1.041	97.441	97.4	0.392	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:01 Pacific Daylight Time

Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

	# 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	2.01e5	0.44	NO	0.848	1.000	35.810	35.94	1.087	1.091	107.16	107	0.390	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.43e5	0.45	NO	0.624	1.000	37.787	37.85	1.147	1.149	103.84	104	0.530	
34	34 13C-OCDF	3.04e5	0.90	NO	0.730	1.000	40.323	40.70	1.224	1.235	188.59	94.3	0.259	
35	35 37Cl-2,3,7,8-TCDD	2.38e4			1.21	1.000	25.784	25.82	1.026	1.027	9.7250	97.3	0.0428	
36	36 13C-1,2,3,4-TCDD	2.03e5	0.78	NO	1.00	1.000	25.260	25.13	1.000	1.000	100.00	100	0.318	
37	37 13C-1,2,3,4-TCDF	3.43e5	0.75	NO	1.00	1.000	23.930	23.79	1.000	1.000	100.00	100	0.282	
38	38 13C-1,2,3,4,6,9-HxCDF	2.21e5	0.52	NO	1.00	1.000	32.990	32.94	1.000	1.000	100.00	100	0.334	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

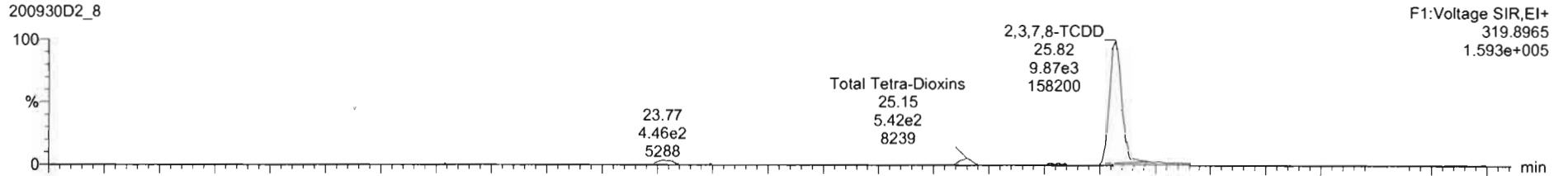
Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

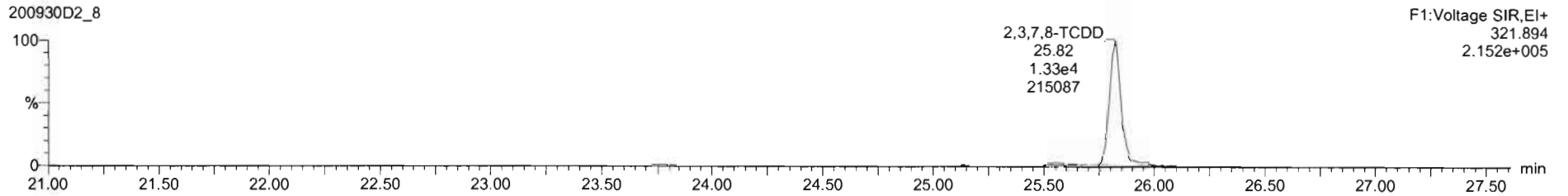
Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

2,3,7,8-TCDD

200930D2_8

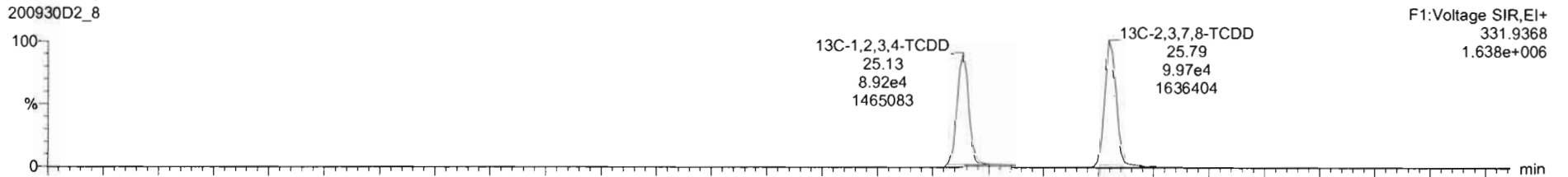


200930D2_8

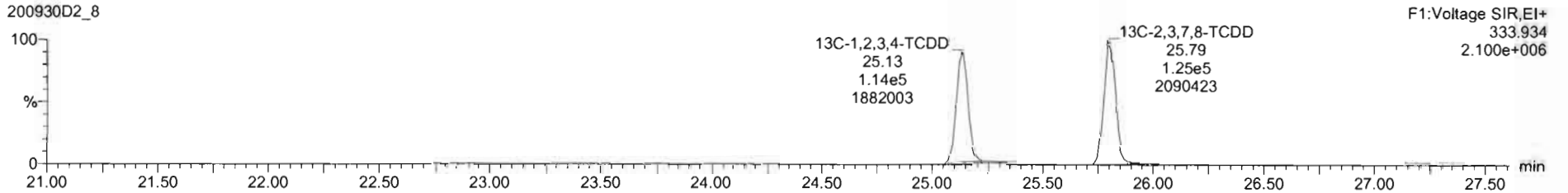


13C-2,3,7,8-TCDD

200930D2_8



200930D2_8



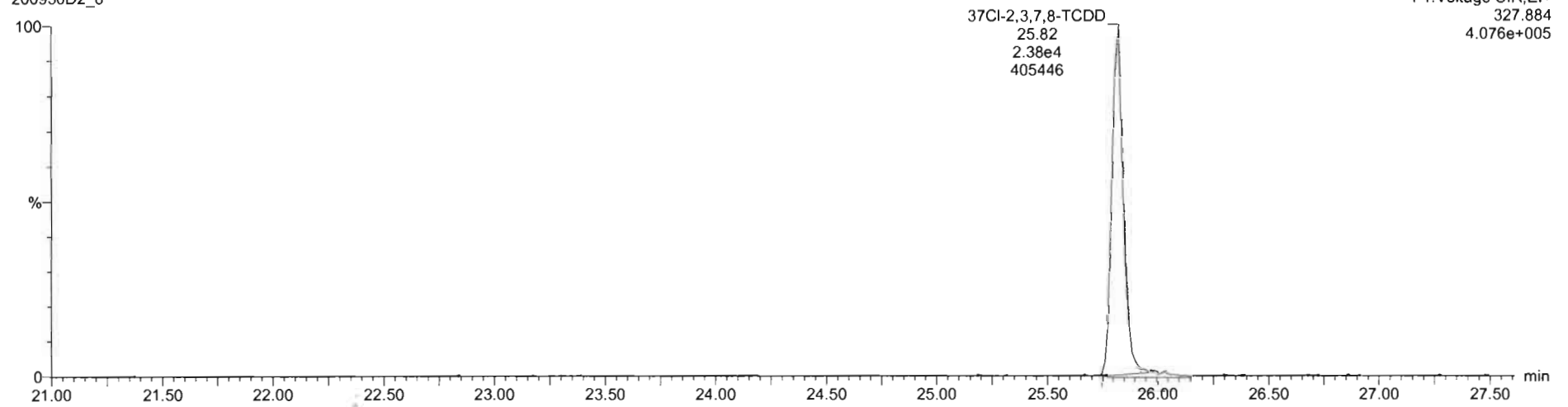
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

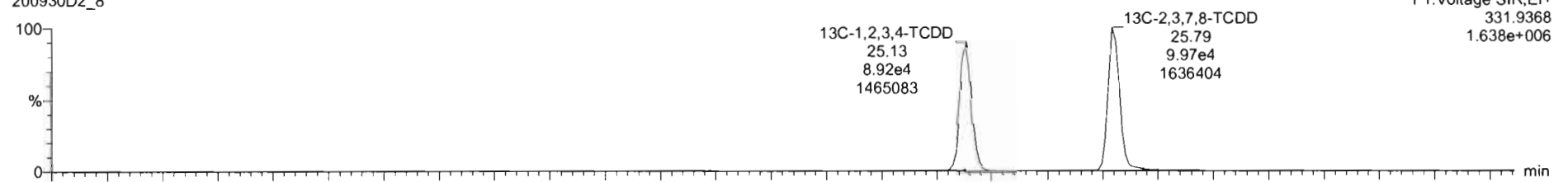
37Cl-2,3,7,8-TCDD

200930D2_8

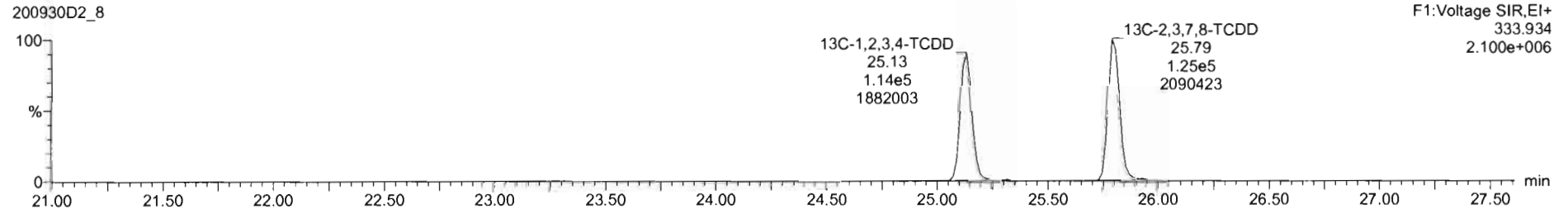


13C-1,2,3,4-TCDD

200930D2_8



200930D2_8



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

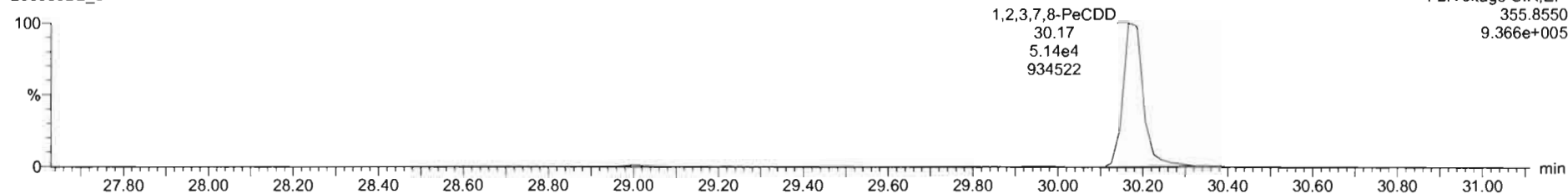
Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

1,2,3,7,8-PeCDD

200930D2_8

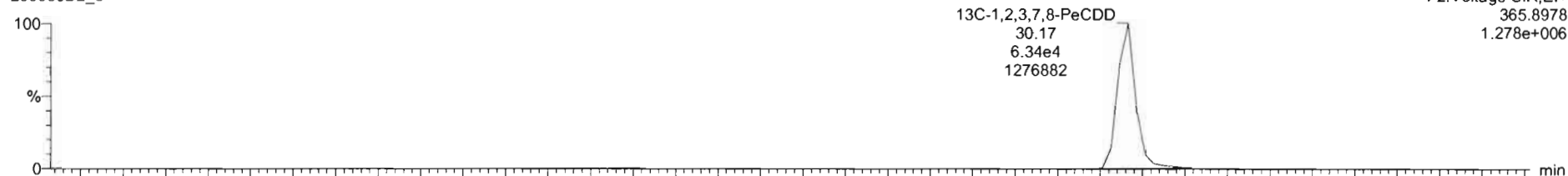


200930D2_8

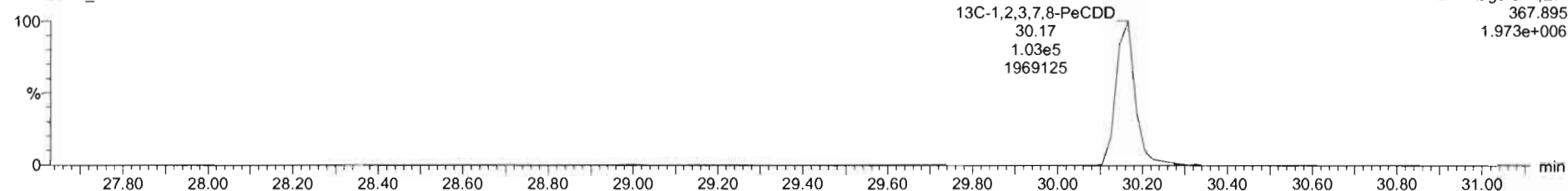


13C-1,2,3,7,8-PeCDD

200930D2_8



200930D2_8



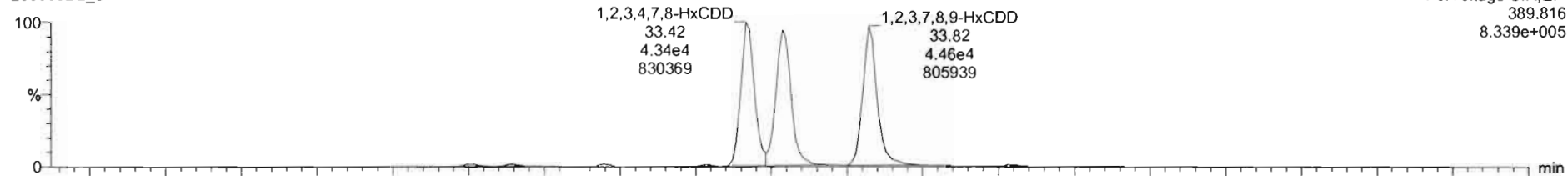
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

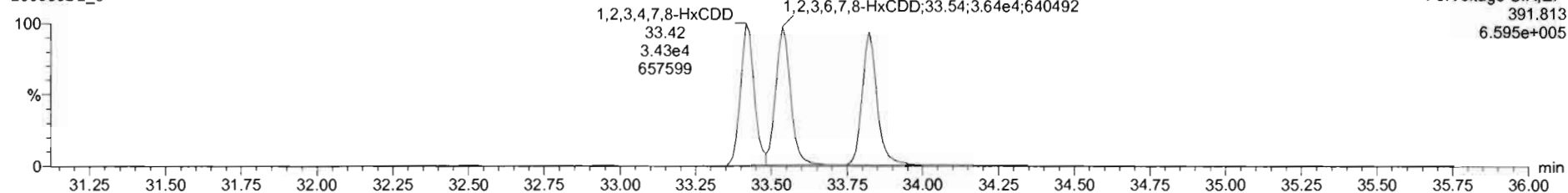
Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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

200930D2_8

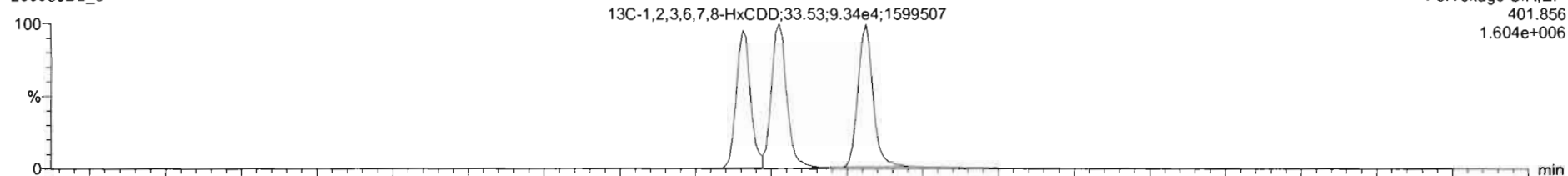


200930D2_8

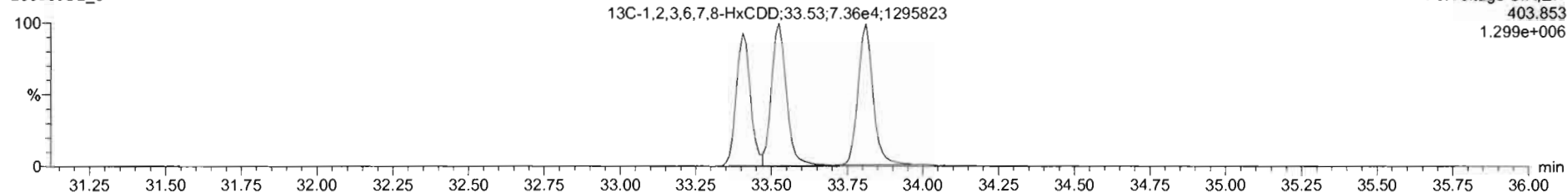


13C-1,2,3,4,7,8-HxCDD

200930D2_8



200930D2_8



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

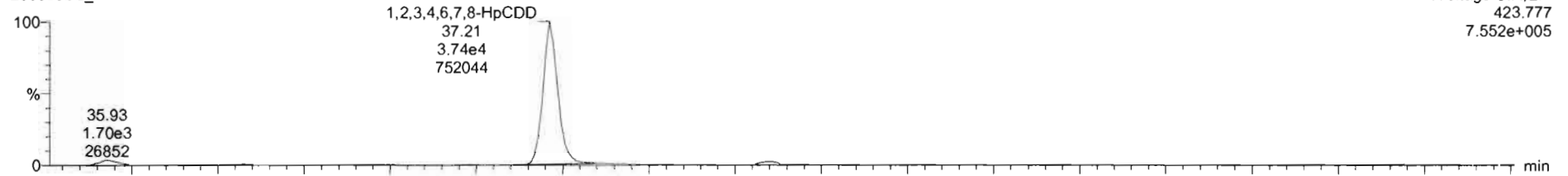
Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

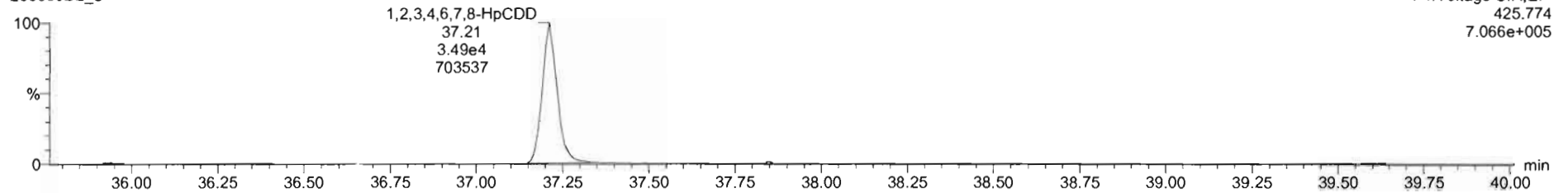
Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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

200930D2_8

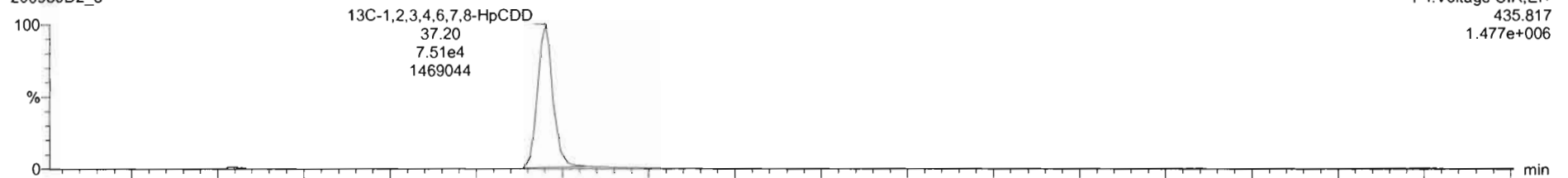


200930D2_8

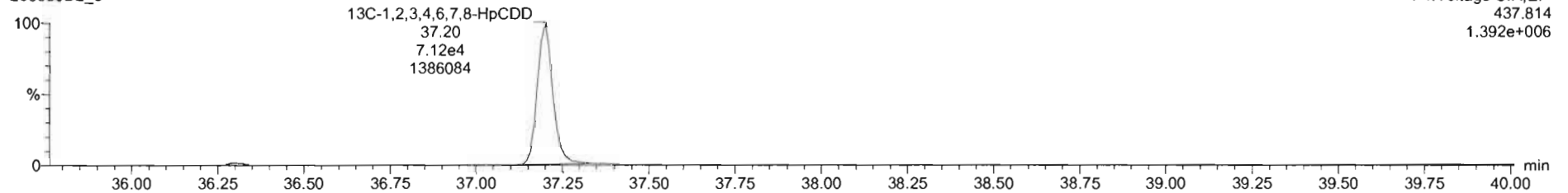


13C-1,2,3,4,6,7,8-HpCDD

200930D2_8



200930D2_8



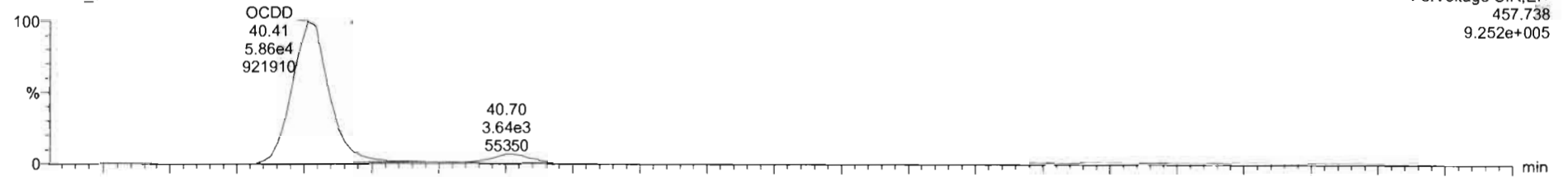
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

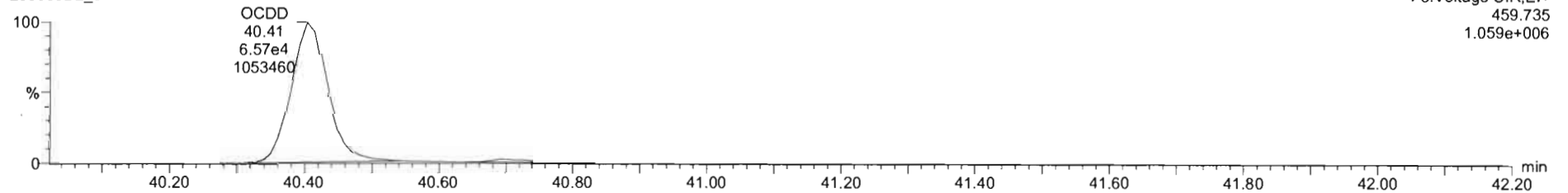
Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

OCDD

200930D2_8

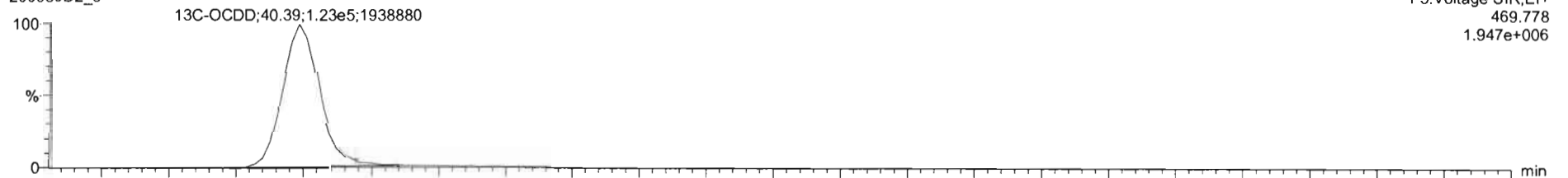


200930D2_8

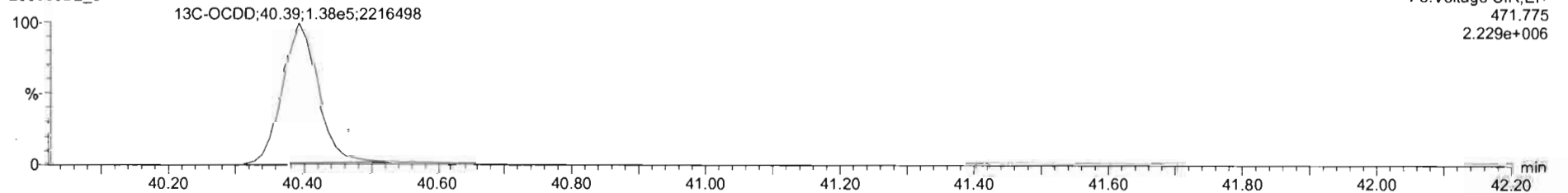


13C-OCDD

200930D2_8



200930D2_8



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

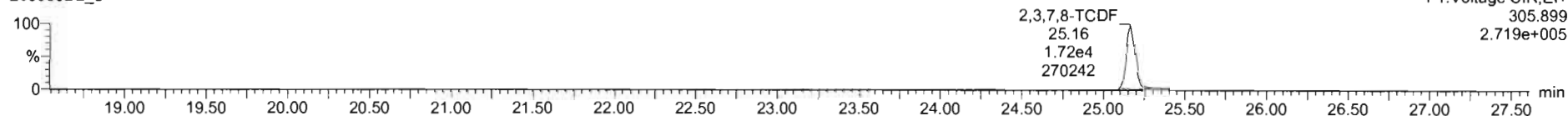
Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

2,3,7,8-TCDF

200930D2_8

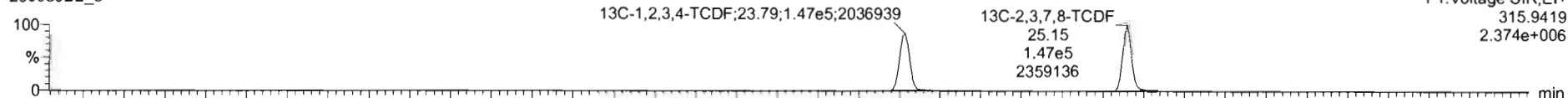


200930D2_8

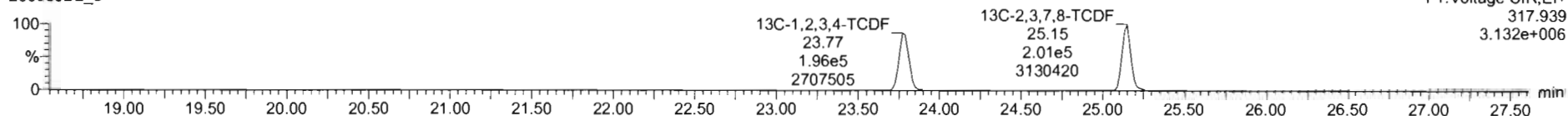


¹³C-2,3,7,8-TCDF

200930D2_8

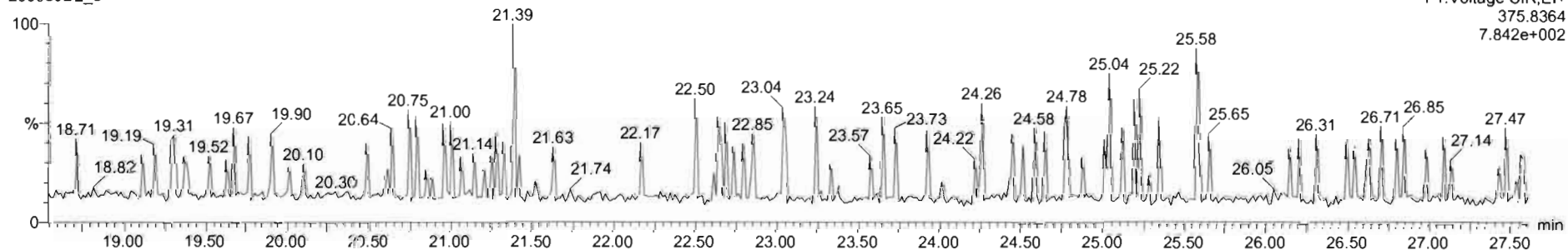


200930D2_8



DPE1

200930D2_8



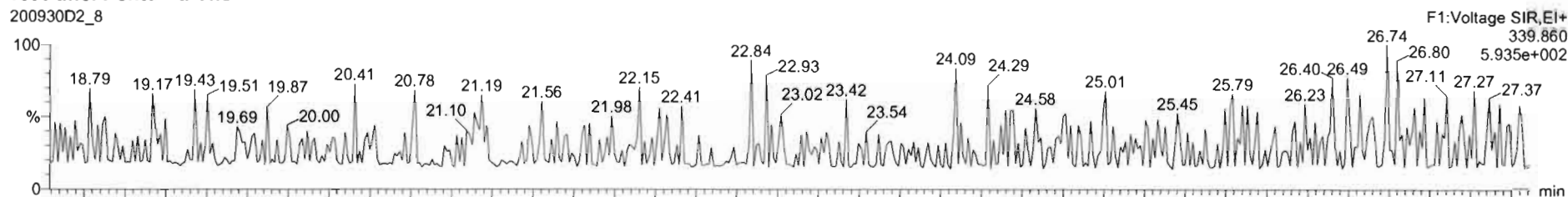
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

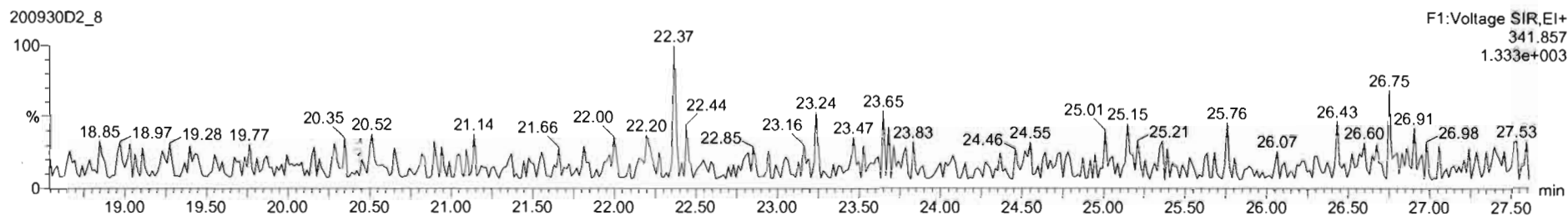
Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

1st Func. Penta-Furans

200930D2_8

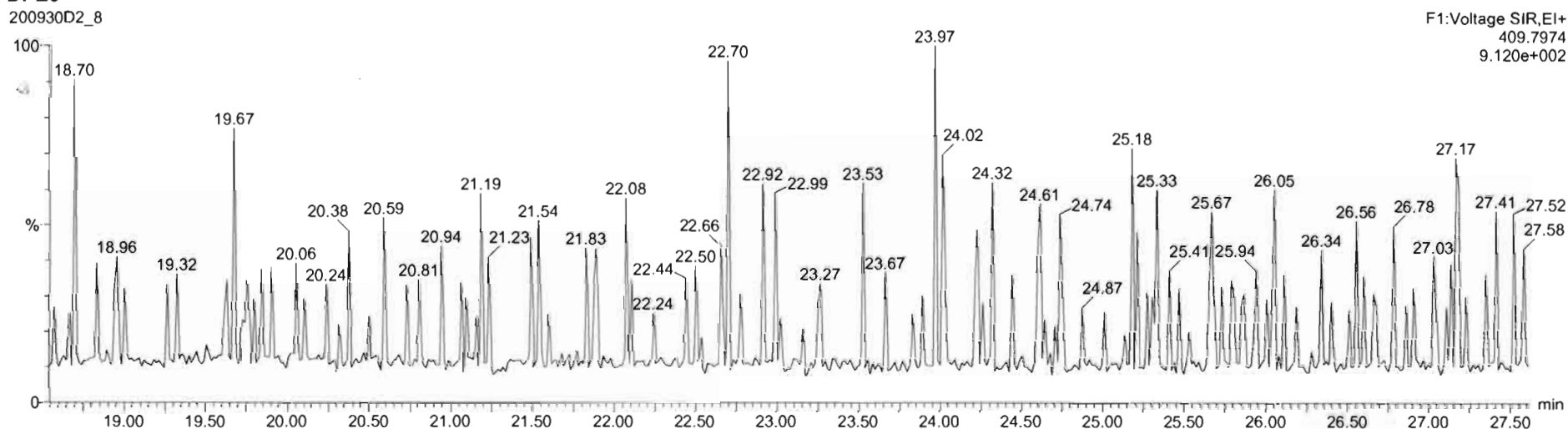


200930D2_8



DPE6

200930D2_8



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

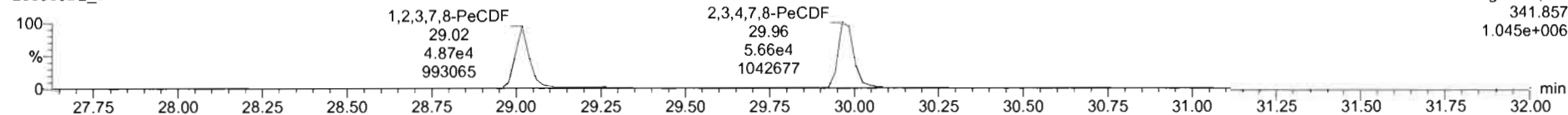
Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

1,2,3,7,8-PeCDF

200930D2_8

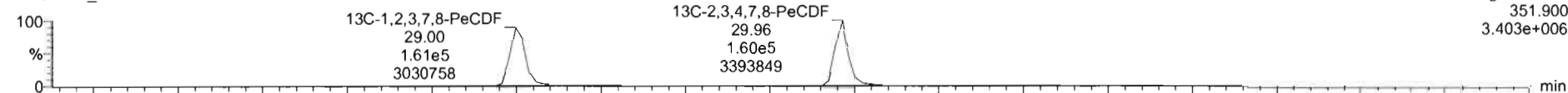


200930D2_8

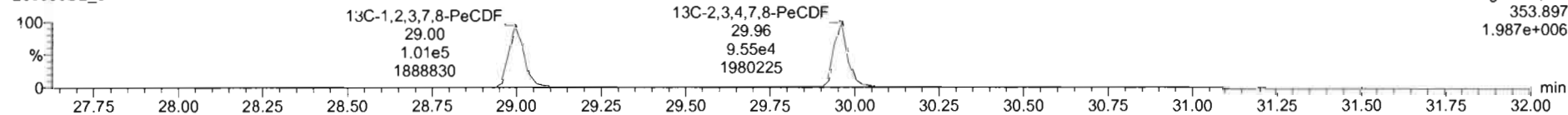


13C-1,2,3,7,8-PeCDF

200930D2_8

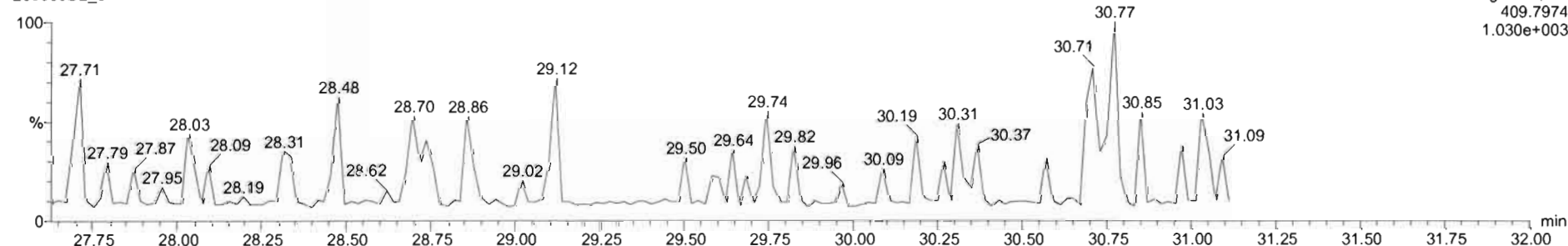


200930D2_8



DPE2

200930D2_8



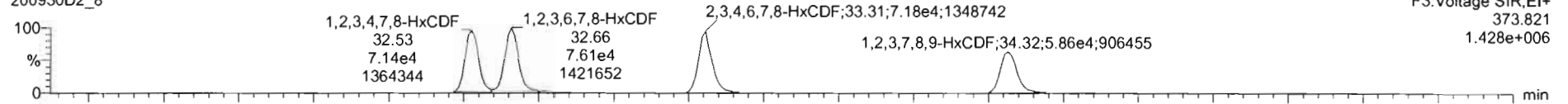
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

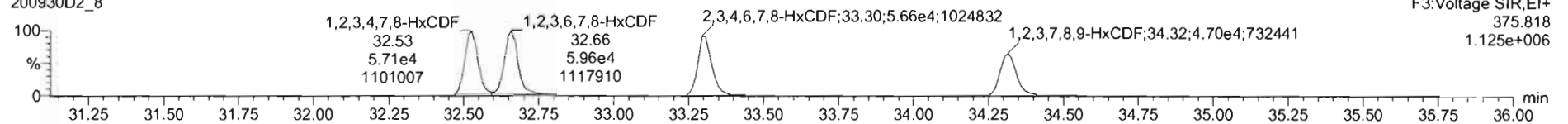
Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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

200930D2_8

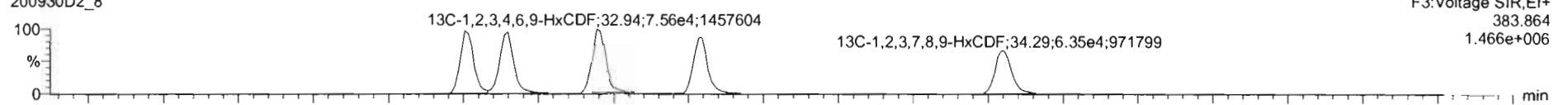


200930D2_8

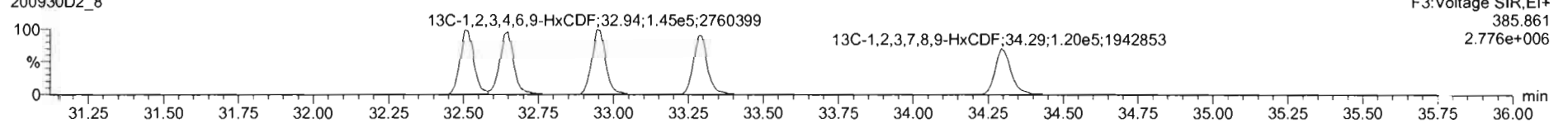


13C-1,2,3,4,7,8-HxCDF

200930D2_8

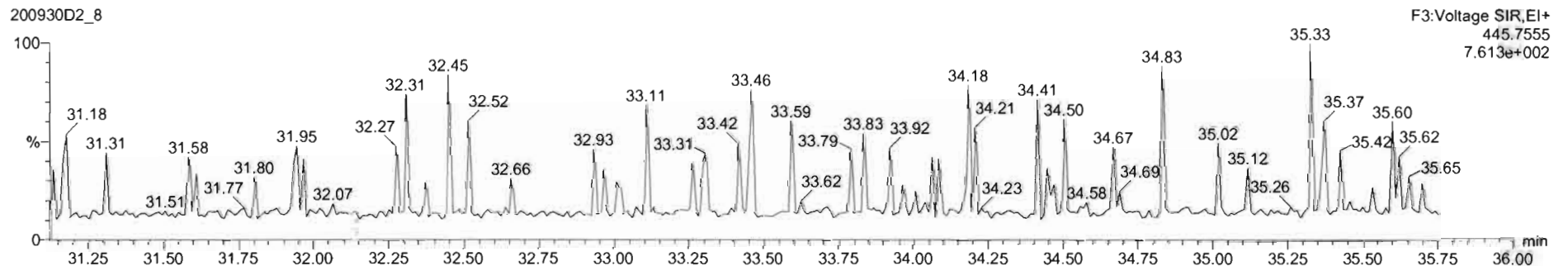


200930D2_8



DPE3

200930D2_8

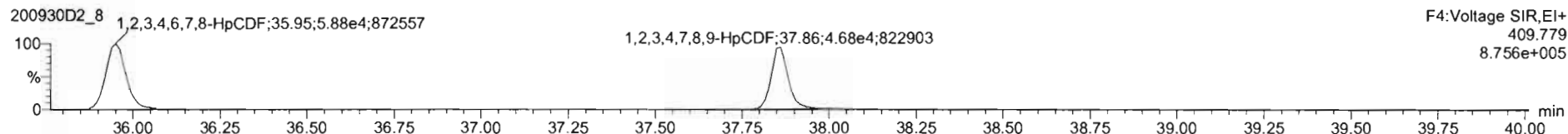
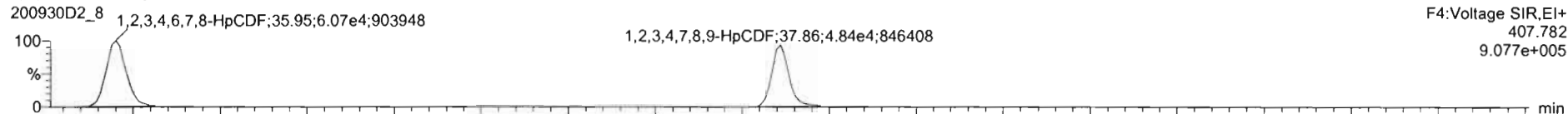


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

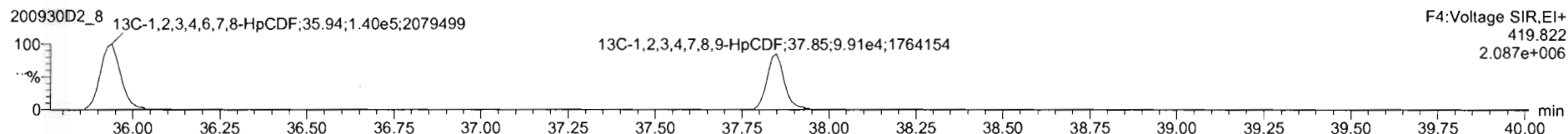
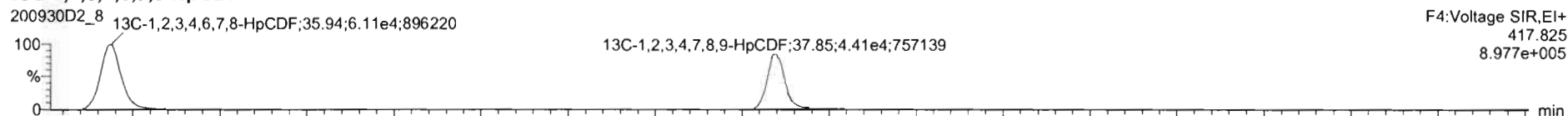
Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

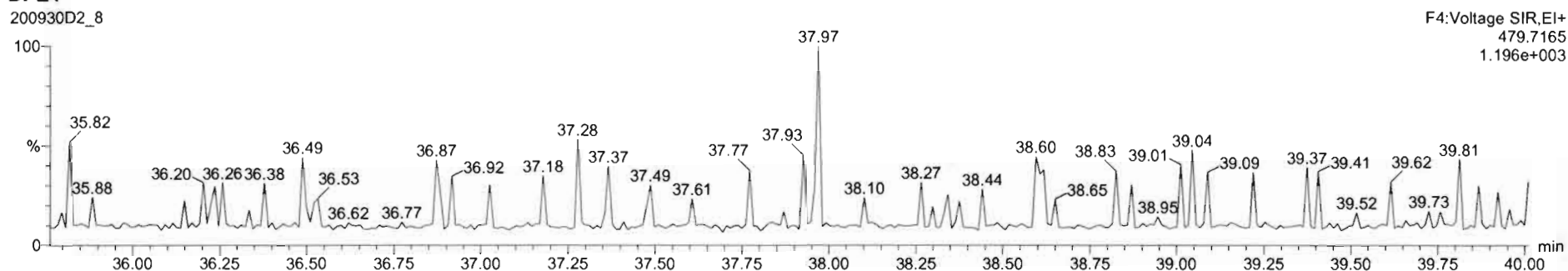
1,2,3,4,6,7,8-HpCDF



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



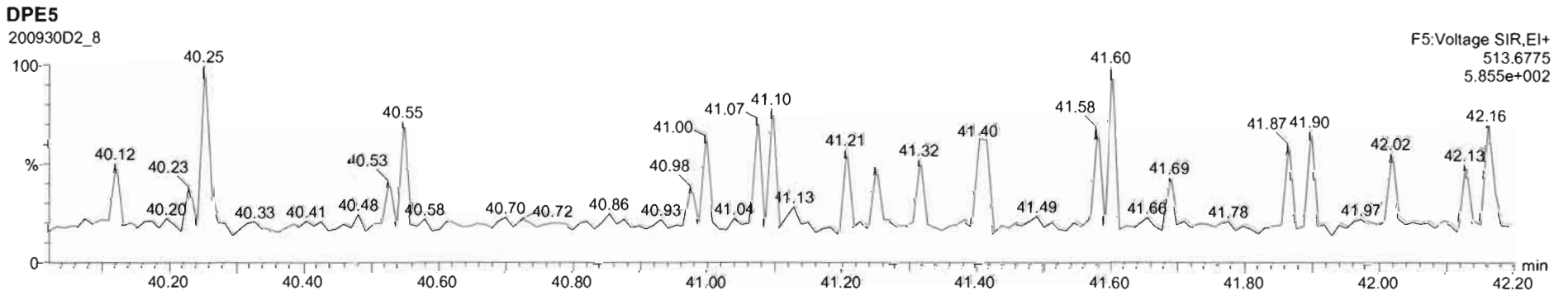
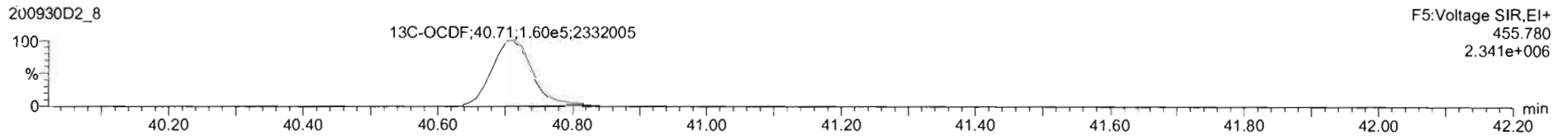
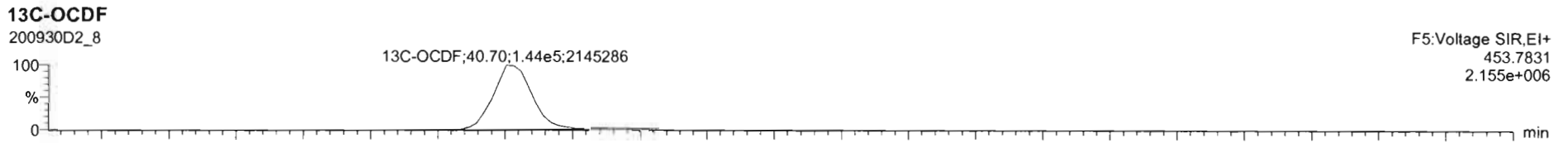
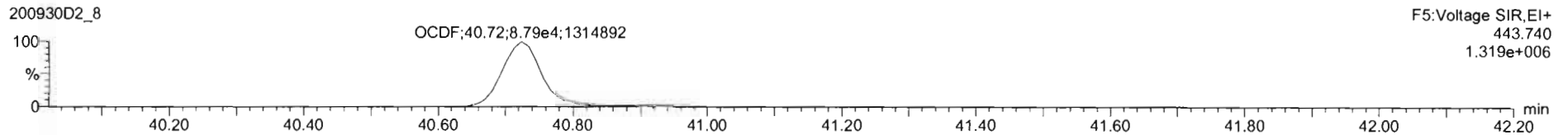
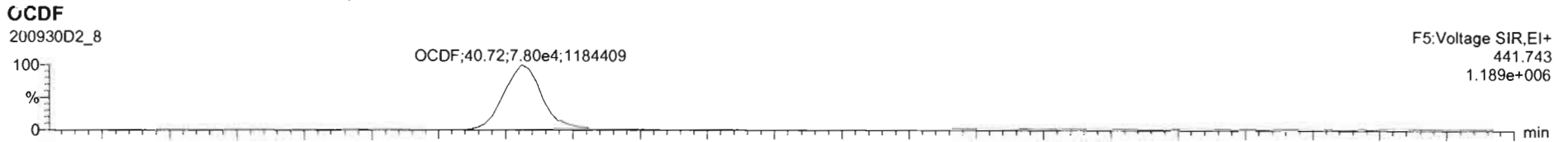
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

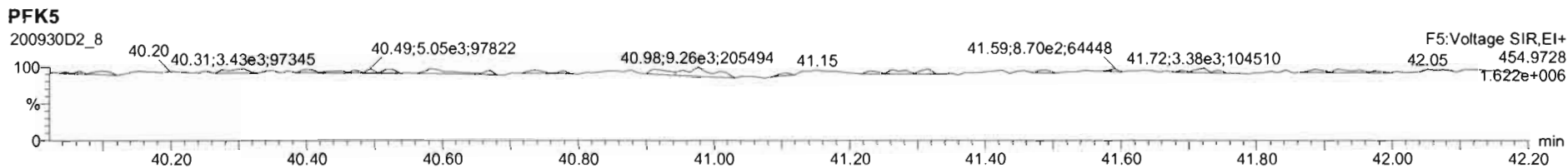
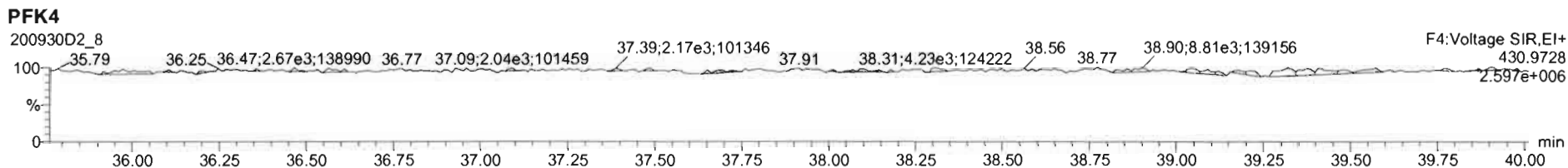
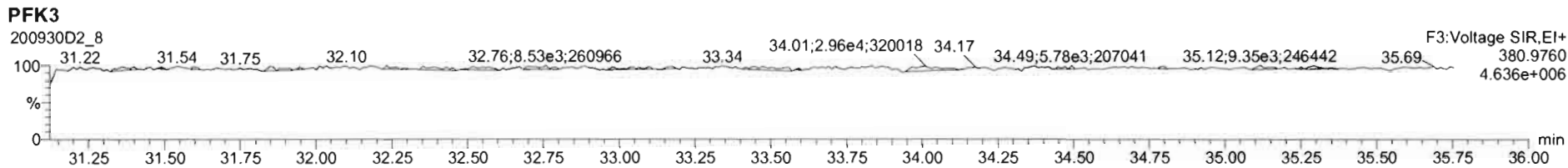
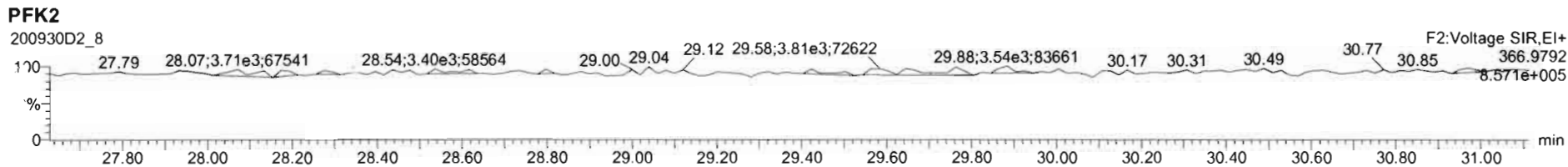
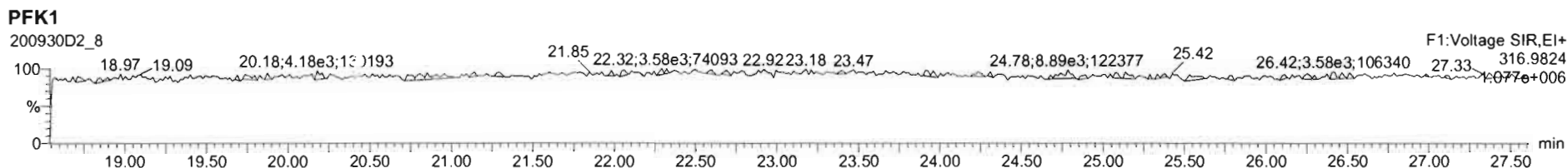


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

HN 12/04/2020

GPB 12/08/2020

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

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

Response Factor: 0.980478

RRF SD: 0.0566851, Relative SD: 5.78138

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	201203R2_1	0.250	0.69	NO	25.98	1.000	1.86e3	7.27e5	0.261	4.5	1.02	MM
2	201203R2_2	0.500	0.81	NO	26.01	1.001	3.43e3	7.75e5	0.452	-9.6	0.886	MM
3	201203R2_3	2.00	0.78	NO	25.99	1.001	1.58e4	8.00e5	2.01	0.5	0.985	bb
4	201203R2_4	40.0	0.78	NO	25.99	1.001	3.98e5	9.54e5	42.5	6.4	1.04	bb
5	201203R2_5	300	0.78	NO	25.99	1.001	2.86e6	1.00e6	290	-3.3	0.948	bb
6	201203R2_6	10.0	0.77	NO	25.98	1.001	8.33e4	8.36e5	10.2	1.6	0.997	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.931961

RRF SD: 0.0759604, Relative SD: 8.1506

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	201203R2_1	1.25	0.56	NO	30.74	1.000	6.50e3	5.16e5	1.35	8.2	1.01	MM
2	201203R2_2	2.50	0.57	NO	30.76	1.001	1.18e4	5.51e5	2.29	-8.3	0.854	MM
3	201203R2_3	10.0	0.62	NO	30.74	1.000	5.55e4	5.88e5	10.1	1.3	0.944	MM
4	201203R2_4	200	0.62	NO	30.74	1.000	1.39e6	7.22e5	207	3.6	0.965	bb
5	201203R2_5	1500	0.63	NO	30.74	1.000	1.02e7	8.24e5	1330	-11.6	0.824	bb
6	201203R2_6	50.0	0.61	NO	30.73	1.000	2.93e5	5.89e5	53.4	6.8	0.996	bb

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time
 Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.02027

RRF SD: 0.089298, Relative SD: 8.75242

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	201203R2_1	1.25	1.21	NO	34.05	1.001	4.47e3	3.55e5	1.23	-1.2	1.01	MM
2	201203R2_2	2.50	1.23	NO	34.06	1.001	8.64e3	3.81e5	2.22	-11.0	0.908	bd
3	201203R2_3	10.0	1.22	NO	34.05	1.001	4.12e4	4.06e5	9.96	-0.4	1.02	bd
4	201203R2_4	200	1.26	NO	34.05	1.000	1.17e6	5.28e5	217	8.5	1.11	bd
5	201203R2_5	1500	1.25	NO	34.04	1.000	9.00e6	6.35e5	1390	-7.4	0.945	bd
6	201203R2_6	50.0	1.23	NO	34.04	1.000	2.42e5	4.26e5	55.8	11.6	1.14	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.902494

RRF SD: 0.0671114, Relative SD: 7.43621

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	201203R2_1	1.25	1.19	NO	34.17	1.000	5.01e3	4.26e5	1.30	4.0	0.939	db
2	201203R2_2	2.50	1.17	NO	34.19	1.001	9.36e3	4.55e5	2.28	-8.8	0.823	MM
3	201203R2_3	10.0	1.32	NO	34.17	1.001	4.48e4	4.87e5	10.2	2.0	0.921	db
4	201203R2_4	200	1.26	NO	34.17	1.000	1.18e6	6.16e5	213	6.6	0.962	db
5	201203R2_5	1500	1.25	NO	34.17	1.001	8.88e6	7.28e5	1350	-9.9	0.813	db
6	201203R2_6	50.0	1.24	NO	34.16	1.000	2.46e5	5.13e5	53.0	6.1	0.957	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.954157

RRF SD: 0.0657355, Relative SD: 6.88938

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	201203R2_1	1.25	1.32	NO	34.44	1.001	5.15e3	4.19e5	1.29	3.0	0.983	bb
2	201203R2_2	2.50	1.24	NO	34.44	1.000	1.00e4	4.56e5	2.30	-8.0	0.878	bb

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time
 Printed: Friday, December 04, 2020 11:37:44 Pacific Standard 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	201203R2_3	10.0	1.23	NO	34.44	1.001	4.69e4	4.87e5	10.1	0.9	0.963	bb
4	201203R2_4	200	1.24	NO	34.44	1.000	1.20e6	5.99e5	210	4.8	1.00	bb
5	201203R2_5	1500	1.24	NO	34.43	1.000	9.22e6	7.06e5	1370	-8.7	0.871	bb
6	201203R2_6	50.0	1.26	NO	34.43	1.000	2.61e5	5.07e5	54.0	8.0	1.03	MM

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.918023
 RRF SD: 0.0609394, Relative SD: 6.63%
 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	201203R2_1	1.25	1.05	NO	37.91	1.000	3.95e3	3.21e5	1.34	7.2	0.984	MM
2	201203R2_2	2.50	1.06	NO	37.92	1.000	7.18e3	3.37e5	2.32	-7.2	0.852	MM
3	201203R2_3	10.0	1.06	NO	37.92	1.001	3.39e4	3.72e5	9.91	-0.9	0.910	MM
4	201203R2_4	200	1.03	NO	37.92	1.000	9.39e5	4.93e5	208	3.8	0.953	bb
5	201203R2_5	1500	1.04	NO	37.91	1.001	7.38e6	5.85e5	1370	-8.5	0.840	bb
6	201203R2_6	50.0	1.02	NO	37.91	1.001	1.90e5	3.92e5	52.8	5.5	0.969	bb

Compound name: OCDD

Response Factor: 0.865808
 RRF SD: 0.07035, Relative SD: 8.12536
 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	201203R2_1	2.50	0.83	NO	40.81	1.000	6.00e3	5.55e5	2.50	-0.1	0.865	bb
2	201203R2_2	5.00	0.89	NO	40.83	1.000	1.11e4	5.80e5	4.43	-11.4	0.767	MM
3	201203R2_3	20.0	0.84	NO	40.81	1.000	5.89e4	6.66e5	20.4	2.1	0.884	bb
4	201203R2_4	400	0.88	NO	40.81	1.000	1.59e6	8.50e5	432	7.9	0.935	bb
5	201203R2_5	3000	0.89	NO	40.81	1.000	1.27e7	1.06e6	2780	-7.4	0.802	bb
6	201203R2_6	100	0.88	NO	40.81	1.000	3.12e5	6.62e5	109	8.9	0.942	bb

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

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

Response Factor: 0.847967

RRF SD: 0.0725275, Relative SD: 8.5531

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	201203R2_1	0.250	0.73	NO	25.31	1.001	2.48e3	1.07e6	0.272	8.9	0.923	MM
2	201203R2_2	0.500	0.83	NO	25.30	1.001	4.29e3	1.14e6	0.442	-11.5	0.750	MM
3	201203R2_3	2.00	0.75	NO	25.30	1.001	1.90e4	1.17e6	1.92	-4.0	0.814	bb
4	201203R2_4	40.0	0.76	NO	25.30	1.001	4.93e5	1.37e6	42.3	5.8	0.897	MM
5	201203R2_5	300	0.76	NO	25.30	1.001	3.37e6	1.42e6	279	-6.8	0.790	bb
6	201203R2_6	10.0	0.75	NO	25.30	1.001	1.10e5	1.21e6	10.8	7.7	0.913	db

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.959665

RRF SD: 0.0738522, Relative SD: 7.69562

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	201203R2_1	1.25	1.56	NO	29.48	1.000	9.71e3	7.88e5	1.28	2.7	0.986	MM
2	201203R2_2	2.50	1.59	NO	29.49	1.000	1.84e4	8.48e5	2.26	-9.7	0.867	MM
3	201203R2_3	10.0	1.63	NO	29.48	1.000	8.91e4	9.03e5	10.3	2.8	0.986	bb
4	201203R2_4	200	1.57	NO	29.48	1.000	2.24e6	1.11e6	211	5.4	1.01	bb
5	201203R2_5	1500	1.57	NO	29.48	1.000	1.56e7	1.19e6	1360	-9.5	0.869	bb
6	201203R2_6	50.0	1.61	NO	29.46	1.000	4.70e5	9.04e5	54.1	8.3	1.04	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.06715

RRF SD: 0.100434, Relative SD: 9.41144

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	201203R2_1	1.25	1.52	NO	30.55	1.000	1.08e4	7.63e5	1.32	6.0	1.13	bb
2	201203R2_2	2.50	1.59	NO	30.55	1.000	1.87e4	8.14e5	2.16	-13.7	0.921	MM

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time
 Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

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	201203R2_3	10.0	1.63	NO	30.55	1.000	9.54e4	8.55e5	10.5	4.5	1.12	MM
4	201203R2_4	200	1.56	NO	30.55	1.000	2.37e6	1.06e6	208	4.2	1.11	bb
5	201203R2_5	1500	1.55	NO	30.55	1.000	1.67e7	1.16e6	1350	-10.0	0.961	bb
6	201203R2_6	50.0	1.56	NO	30.53	1.000	5.09e5	8.75e5	54.5	9.0	1.16	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 0.9859
 RRF SD: 0.0865731, Relative SD: 8.78113
 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	201203R2_1	1.25	1.29	NO	33.15	1.001	6.18e3	5.15e5	1.22	-2.7	0.959	bd
2	201203R2_2	2.50	1.18	NO	33.16	1.001	1.20e4	5.49e5	2.21	-11.6	0.872	bd
3	201203R2_3	10.0	1.26	NO	33.15	1.000	6.08e4	5.80e5	10.6	6.4	1.05	bd
4	201203R2_4	200	1.23	NO	33.16	1.001	1.55e6	7.36e5	213	6.5	1.05	bd
5	201203R2_5	1500	1.23	NO	33.15	1.001	1.15e7	8.47e5	1380	-8.3	0.904	bd
6	201203R2_6	50.0	1.23	NO	33.15	1.001	3.29e5	6.08e5	54.8	9.6	1.08	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.03876
 RRF SD: 0.0872692, Relative SD: 8.40126
 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	201203R2_1	1.25	1.27	NO	33.29	1.001	7.32e3	5.47e5	1.29	3.1	1.07	MM
2	201203R2_2	2.50	1.22	NO	33.29	1.000	1.37e4	5.90e5	2.23	-10.8	0.927	MM
3	201203R2_3	10.0	1.27	NO	33.29	1.001	6.64e4	6.28e5	10.2	1.9	1.06	db
4	201203R2_4	200	1.22	NO	33.29	1.000	1.74e6	7.93e5	211	5.7	1.10	db
5	201203R2_5	1500	1.24	NO	33.28	1.000	1.26e7	8.97e5	1350	-9.7	0.938	db
6	201203R2_6	50.0	1.24	NO	33.28	1.001	3.68e5	6.44e5	54.9	9.9	1.14	db

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.02016

RRF SD: 0.0860672, Relative SD: 8.43661

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	201203R2_1	1.25	1.25	NO	33.95	1.001	6.57e3	4.91e5	1.31	5.0	1.07	MM
2	201203R2_2	2.50	1.22	NO	33.96	1.001	1.17e4	5.25e5	2.19	-12.3	0.895	MM
3	201203R2_3	10.0	1.26	NO	33.95	1.001	5.87e4	5.65e5	10.2	1.8	1.04	bb
4	201203R2_4	200	1.23	NO	33.95	1.001	1.54e6	7.08e5	213	6.6	1.09	bb
5	201203R2_5	1500	1.22	NO	33.94	1.000	1.14e7	8.16e5	1370	-8.7	0.932	bb
6	201203R2_6	50.0	1.25	NO	33.94	1.001	3.27e5	5.97e5	53.8	7.6	1.10	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.99094

RRF SD: 0.0846908, Relative SD: 8.54651

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	201203R2_1	1.25	1.26	NO	34.94	1.001	5.61e3	4.28e5	1.32	5.8	1.05	MM
2	201203R2_2	2.50	1.32	NO	34.94	1.000	1.03e4	4.73e5	2.19	-12.6	0.867	bb
3	201203R2_3	10.0	1.25	NO	34.94	1.001	5.03e4	5.05e5	10.1	0.6	0.997	MM
4	201203R2_4	200	1.25	NO	34.93	1.000	1.43e6	6.76e5	213	6.7	1.06	bb
5	201203R2_5	1500	1.23	NO	34.92	1.000	1.09e7	7.99e5	1380	-8.3	0.909	bb
6	201203R2_6	50.0	1.25	NO	34.92	1.000	2.95e5	5.53e5	53.9	7.7	1.07	MM

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.04917

RRF SD: 0.0785065, Relative SD: 7.48269

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	201203R2_1	1.25	1.07	NO	36.49	1.000	5.72e3	4.27e5	1.28	2.1	1.07	MM
2	201203R2_2	2.50	0.94	NO	36.50	1.000	1.06e4	4.51e5	2.24	-10.4	0.940	bb

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

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	201203R2_3	10.0	0.98	NO	36.49	1.000	5.28e4	4.95e5	10.2	1.6	1.07	bb
4	201203R2_4	200	1.01	NO	36.50	1.000	1.36e6	6.02e5	215	7.7	1.13	bb
5	201203R2_5	1500	1.02	NO	36.49	1.001	1.02e7	7.02e5	1380	-7.8	0.967	bb
6	201203R2_6	50.0	1.02	NO	36.47	1.000	2.86e5	5.12e5	53.3	6.7	1.12	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.17589

RRF SD: 0.0886789, Relative SD: 7.54143

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	201203R2_1	1.25	0.89	NO	38.55	1.000	4.14e3	2.76e5	1.28	2.3	1.20	MM
2	201203R2_2	2.50	1.00	NO	38.55	1.000	7.84e3	2.93e5	2.27	-9.1	1.07	MM
3	201203R2_3	10.0	0.99	NO	38.55	1.001	3.75e4	3.22e5	9.90	-1.0	1.16	bb
4	201203R2_4	200	1.02	NO	38.54	1.001	1.06e6	4.21e5	214	7.1	1.26	bb
5	201203R2_5	1500	1.02	NO	38.53	1.000	8.34e6	5.15e5	1380	-8.2	1.08	bb
6	201203R2_6	50.0	1.03	NO	38.54	1.000	2.15e5	3.36e5	54.4	8.8	1.28	bb

Compound name: OCDF

Response Factor: 0.895953

RRF SD: 0.0701579, Relative SD: 7.83054

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	201203R2_1	2.50	0.93	NO	41.09	1.000	7.18e3	6.13e5	2.61	4.6	0.937	MM
2	201203R2_2	5.00	0.90	NO	41.11	1.000	1.32e4	6.61e5	4.46	-10.7	0.800	MM
3	201203R2_3	20.0	0.86	NO	41.10	1.000	6.64e4	7.40e5	20.0	0.2	0.898	bb
4	201203R2_4	400	0.89	NO	41.09	1.000	1.89e6	9.93e5	425	6.3	0.952	MM
5	201203R2_5	3000	0.89	NO	41.09	1.000	1.50e7	1.22e6	2750	-8.3	0.822	bb
6	201203R2_6	100	0.88	NO	41.09	1.000	3.70e5	7.64e5	108	7.9	0.967	bb

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.05554

RRF SD: 0.132152, Relative SD: 12.5199

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	201203R2_1	100	0.77	NO	25.98	1.031	7.27e5	7.80e5	88.4	-11.6	0.933	bb
2	201203R2_2	100	0.76	NO	25.98	1.031	7.75e5	8.11e5	90.5	-9.5	0.955	bb
3	201203R2_3	100	0.77	NO	25.98	1.031	8.00e5	8.35e5	90.8	-9.2	0.958	bb
4	201203R2_4	100	0.79	NO	25.98	1.031	9.54e5	8.19e5	110	10.3	1.16	bb
5	201203R2_5	100	0.78	NO	25.98	1.031	1.00e6	7.99e5	119	19.2	1.26	bb
6	201203R2_6	100	0.78	NO	25.97	1.031	8.36e5	7.85e5	101	0.9	1.07	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.784679

RRF SD: 0.1443, Relative SD: 18.3896

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	201203R2_1	100	0.62	NO	30.73	1.219	5.16e5	7.80e5	84.3	-15.7	0.662	bb
2	201203R2_2	100	0.63	NO	30.73	1.219	5.51e5	8.11e5	86.6	-13.4	0.679	bb
3	201203R2_3	100	0.62	NO	30.73	1.219	5.88e5	8.35e5	89.8	-10.2	0.704	bb
4	201203R2_4	100	0.63	NO	30.73	1.219	7.22e5	8.19e5	112	12.4	0.882	bb
5	201203R2_5	100	0.63	NO	30.73	1.219	8.24e5	7.99e5	131	31.4	1.03	bb
6	201203R2_6	100	0.64	NO	30.71	1.219	5.89e5	7.85e5	95.6	-4.4	0.750	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.620541

RRF SD: 0.0984404, Relative SD: 15.8637

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	201203R2_1	100	1.26	NO	34.03	1.014	3.55e5	6.41e5	89.2	-10.8	0.553	bd
2	201203R2_2	100	1.27	NO	34.04	1.014	3.81e5	6.94e5	88.5	-11.5	0.549	bd

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

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	201203R2_3	100	1.27	NO	34.03	1.014	4.06e5	7.47e5	87.6	-12.4	0.544	bd
4	201203R2_4	100	1.30	NO	34.04	1.014	5.28e5	7.82e5	109	8.9	0.676	bd
5	201203R2_5	100	1.28	NO	34.03	1.013	6.35e5	8.01e5	128	27.7	0.793	bd
6	201203R2_6	100	1.28	NO	34.03	1.014	4.26e5	6.99e5	98.1	-1.9	0.609	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.734012

RRF SD: 0.101028, Relative SD: 13.7638

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	201203R2_1	100	1.29	NO	34.16	1.018	4.26e5	6.41e5	90.7	-9.3	0.665	db
2	201203R2_2	100	1.28	NO	34.16	1.017	4.55e5	6.94e5	89.4	-10.6	0.656	db
3	201203R2_3	100	1.28	NO	34.15	1.017	4.87e5	7.47e5	88.8	-11.2	0.651	db
4	201203R2_4	100	1.27	NO	34.16	1.017	6.16e5	7.82e5	107	7.3	0.788	db
5	201203R2_5	100	1.27	NO	34.15	1.017	7.28e5	8.01e5	124	23.8	0.909	db
6	201203R2_6	100	1.26	NO	34.15	1.017	5.13e5	6.99e5	100	0.1	0.735	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.72265

RRF SD: 0.0908822, Relative SD: 12.5762

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	201203R2_1	100	1.25	NO	34.42	1.025	4.19e5	6.41e5	90.4	-9.6	0.653	bd
2	201203R2_2	100	1.26	NO	34.43	1.025	4.56e5	6.94e5	91.0	-9.0	0.657	bb
3	201203R2_3	100	1.26	NO	34.42	1.025	4.87e5	7.47e5	90.2	-9.8	0.652	MM
4	201203R2_4	100	1.24	NO	34.43	1.025	5.99e5	7.82e5	106	6.1	0.766	bb
5	201203R2_5	100	1.26	NO	34.42	1.025	7.06e5	8.01e5	122	22.0	0.882	bb
6	201203R2_6	100	1.25	NO	34.42	1.025	5.07e5	6.99e5	100	0.3	0.725	bb

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\2\1203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

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

Response Factor: 0.567736

RRF SD: 0.0966968, Relative SD: 17.032

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	201203R2_1	100	1.06	NO	37.90	1.129	3.21e5	6.41e5	88.2	-11.8	0.501	MM
2	201203R2_2	100	1.05	NO	37.91	1.129	3.37e5	6.94e5	85.5	-14.5	0.485	bb
3	201203R2_3	100	1.06	NO	37.90	1.129	3.72e5	7.47e5	87.8	-12.2	0.498	MM
4	201203R2_4	100	1.04	NO	37.91	1.129	4.93e5	7.82e5	111	11.0	0.630	bb
5	201203R2_5	100	1.05	NO	37.89	1.128	5.85e5	8.01e5	129	28.8	0.731	bb
6	201203R2_6	100	1.06	NO	37.89	1.129	3.92e5	6.99e5	98.7	-1.3	0.561	bb

Compound name: 13C-OCDD

Response Factor: 0.49583

RRF SD: 0.0921522, Relative SD: 18.5854

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	201203R2_1	200	0.89	NO	40.80	1.215	5.55e5	6.41e5	175	-12.7	0.433	MM
2	201203R2_2	200	0.88	NO	40.81	1.215	5.80e5	6.94e5	169	-15.7	0.418	MM
3	201203R2_3	200	0.91	NO	40.80	1.215	6.66e5	7.47e5	180	-10.0	0.446	bd
4	201203R2_4	200	0.89	NO	40.80	1.215	8.50e5	7.82e5	219	9.7	0.544	bb
5	201203R2_5	200	0.89	NO	40.80	1.215	1.06e6	8.01e5	267	33.3	0.661	bb
6	201203R2_6	200	0.89	NO	40.80	1.215	6.62e5	6.99e5	191	-4.5	0.474	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 0.919039

RRF SD: 0.110551, Relative SD: 12.029

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	201203R2_1	100	0.78	NO	25.28	1.003	1.07e6	1.32e6	88.7	-11.3	0.815	bb
2	201203R2_2	100	0.79	NO	25.28	1.003	1.14e6	1.36e6	91.6	-8.4	0.842	bb

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

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	201203R2_3	100	0.76	NO	25.28	1.003	1.17e6	1.40e6	90.7	-9.3	0.834	bb
4	201203R2_4	100	0.79	NO	25.28	1.003	1.37e6	1.36e6	110	9.9	1.01	bb
5	201203R2_5	100	0.77	NO	25.28	1.003	1.42e6	1.31e6	118	18.5	1.09	bb
6	201203R2_6	100	0.77	NO	25.27	1.003	1.21e6	1.30e6	101	0.7	0.925	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.715118

RRF SD: 0.124185, Relative SD: 17.3657

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	201203R2_1	100	1.62	NO	29.46	1.169	7.88e5	1.32e6	83.6	-16.4	0.598	MM
2	201203R2_2	100	1.60	NO	29.48	1.169	8.48e5	1.36e6	87.3	-12.7	0.624	bb
3	201203R2_3	100	1.61	NO	29.46	1.169	9.03e5	1.40e6	90.3	-9.7	0.646	bb
4	201203R2_4	100	1.57	NO	29.48	1.169	1.11e6	1.36e6	114	13.8	0.814	bb
5	201203R2_5	100	1.59	NO	29.46	1.169	1.19e6	1.31e6	128	28.0	0.915	bb
6	201203R2_6	100	1.63	NO	29.46	1.169	9.04e5	1.30e6	97.0	-3.0	0.694	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.688531

RRF SD: 0.122291, Relative SD: 17.7611

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	201203R2_1	100	1.62	NO	30.53	1.211	7.63e5	1.32e6	84.1	-15.9	0.579	bb
2	201203R2_2	100	1.59	NO	30.53	1.211	8.14e5	1.36e6	87.1	-12.9	0.599	MM
3	201203R2_3	100	1.60	NO	30.53	1.212	8.55e5	1.40e6	88.8	-11.2	0.611	bb
4	201203R2_4	100	1.59	NO	30.53	1.211	1.06e6	1.36e6	114	13.6	0.782	bb
5	201203R2_5	100	1.59	NO	30.53	1.212	1.16e6	1.31e6	129	29.0	0.888	bb
6	201203R2_6	100	1.63	NO	30.52	1.211	8.75e5	1.30e6	97.5	-2.5	0.671	bb

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 0.873401

RRF SD: 0.109302, Relative SD: 12.5145

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	201203R2_1	100	0.51	NO	33.13	0.987	5.15e5	6.41e5	92.0	-8.0	0.804	bd
2	201203R2_2	100	0.51	NO	33.14	0.987	5.49e5	6.94e5	90.7	-9.3	0.792	bd
3	201203R2_3	100	0.50	NO	33.14	0.987	5.80e5	7.47e5	88.8	-11.2	0.776	bd
4	201203R2_4	100	0.51	NO	33.14	0.987	7.36e5	7.82e5	108	7.8	0.941	bd
5	201203R2_5	100	0.51	NO	33.13	0.987	8.47e5	8.01e5	121	21.1	1.06	bd
6	201203R2_6	100	0.50	NO	33.13	0.987	6.08e5	6.99e5	99.6	-0.4	0.870	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 0.933484

RRF SD: 0.112711, Relative SD: 12.0743

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	201203R2_1	100	0.50	NO	33.27	0.991	5.47e5	6.41e5	91.4	-8.6	0.854	db
2	201203R2_2	100	0.52	NO	33.28	0.991	5.90e5	6.94e5	91.0	-9.0	0.850	MM
3	201203R2_3	100	0.51	NO	33.27	0.991	6.28e5	7.47e5	90.0	-10.0	0.841	db
4	201203R2_4	100	0.50	NO	33.28	0.991	7.93e5	7.82e5	109	8.7	1.01	db
5	201203R2_5	100	0.51	NO	33.27	0.991	8.97e5	8.01e5	120	20.0	1.12	db
6	201203R2_6	100	0.50	NO	33.26	0.991	6.44e5	6.99e5	98.8	-1.2	0.922	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 0.843038

RRF SD: 0.105848, Relative SD: 12.5555

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	201203R2_1	100	0.50	NO	33.93	1.011	4.91e5	6.41e5	90.9	-9.1	0.766	MM
2	201203R2_2	100	0.50	NO	33.94	1.011	5.25e5	6.94e5	89.8	-10.2	0.757	MM

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard 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	201203R2_3	100	0.51	NO	33.93	1.011	5.65e5	7.47e5	89.7	-10.3	0.756	bb
4	201203R2_4	100	0.51	NO	33.93	1.010	7.08e5	7.82e5	107	7.5	0.906	bb
5	201203R2_5	100	0.51	NO	33.93	1.010	8.16e5	8.01e5	121	20.9	1.02	bb
6	201203R2_6	100	0.51	NO	33.92	1.010	5.97e5	6.99e5	101	1.2	0.853	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.7799

RRF SD: 0.132819, Relative SD: 17.0303

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	201203R2_1	100	0.51	NO	34.92	1.040	4.28e5	6.41e5	85.6	-14.4	0.667	MM
2	201203R2_2	100	0.50	NO	34.93	1.040	4.73e5	6.94e5	87.5	-12.5	0.682	MM
3	201203R2_3	100	0.52	NO	34.92	1.040	5.05e5	7.47e5	86.6	-13.4	0.676	MM
4	201203R2_4	100	0.52	NO	34.92	1.040	6.76e5	7.82e5	111	10.9	0.865	MM
5	201203R2_5	100	0.51	NO	34.91	1.040	7.99e5	8.01e5	128	28.0	0.998	bb
6	201203R2_6	100	0.49	NO	34.91	1.040	5.53e5	6.99e5	101	1.4	0.791	bb

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

Response Factor: 0.726456

RRF SD: 0.0871718, Relative SD: 11.9096

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	201203R2_1	100	0.42	NO	36.48	1.087	4.27e5	6.41e5	91.8	-8.2	0.667	bb
2	201203R2_2	100	0.42	NO	36.49	1.087	4.51e5	6.94e5	89.6	-10.4	0.651	bb
3	201203R2_3	100	0.43	NO	36.47	1.087	4.95e5	7.47e5	91.2	-8.8	0.663	bb
4	201203R2_4	100	0.42	NO	36.49	1.087	6.02e5	7.82e5	106	6.0	0.770	bb
5	201203R2_5	100	0.43	NO	36.47	1.086	7.02e5	8.01e5	121	20.7	0.877	bb
6	201203R2_6	100	0.43	NO	36.47	1.086	5.12e5	6.99e5	101	0.7	0.732	bb

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.49111

RRF SD: 0.0867845, Relative SD: 17.6711

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	201203R2_1	100	0.42	NO	38.53	1.148	2.76e5	6.41e5	87.5	-12.5	0.430	MM
2	201203R2_2	100	0.42	NO	38.54	1.148	2.93e5	6.94e5	86.1	-13.9	0.423	bb
3	201203R2_3	100	0.40	NO	38.53	1.148	3.22e5	7.47e5	87.7	-12.3	0.431	bb
4	201203R2_4	100	0.42	NO	38.52	1.147	4.21e5	7.82e5	110	9.8	0.539	bb
5	201203R2_5	100	0.42	NO	38.52	1.147	5.15e5	8.01e5	131	31.0	0.643	bb
6	201203R2_6	100	0.42	NO	38.53	1.148	3.36e5	6.99e5	97.9	-2.1	0.481	bb

Compound name: 13C-OCDF

Response Factor: 0.565418

RRF SD: 0.112698, Relative SD: 19.9318

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	201203R2_1	200	0.87	NO	41.09	1.224	6.13e5	6.41e5	169	-15.4	0.478	MM
2	201203R2_2	200	0.89	NO	41.10	1.224	6.61e5	6.94e5	169	-15.7	0.477	MM
3	201203R2_3	200	0.89	NO	41.08	1.224	7.40e5	7.47e5	175	-12.4	0.495	bb
4	201203R2_4	200	0.89	NO	41.08	1.223	9.93e5	7.82e5	225	12.4	0.636	MM
5	201203R2_5	200	0.88	NO	41.07	1.223	1.22e6	8.01e5	269	34.4	0.760	bb
6	201203R2_6	200	0.87	NO	41.08	1.224	7.64e5	6.99e5	193	-3.3	0.547	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.21674

RRF SD: 0.217315, Relative SD: 17.8605

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	201203R2_1	0.250			26.01	1.032	2.03e3	7.80e5	0.214	-14.5	1.04	bb
2	201203R2_2	0.500			26.01	1.032	4.12e3	8.11e5	0.418	-16.4	1.02	bb

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

Compound name: 37Cl-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201203R2_3	2.00			25.99	1.032	1.69e4	8.35e5	1.66	-16.8	1.01	bb
4	201203R2_4	40.0			25.99	1.031	4.66e5	8.19e5	46.8	16.9	1.42	bb
5	201203R2_5	200			25.99	1.032	2.36e6	7.99e5	243	21.5	1.48	bb
6	201203R2_6	10.0			25.98	1.031	1.04e5	7.85e5	10.9	9.3	1.33	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	201203R2_1	100	0.79	NO	25.21	1.000	7.80e5	7.80e5	100	0.0	1.00	bb
2	201203R2_2	100	0.78	NO	25.21	1.000	8.11e5	8.11e5	100	0.0	1.00	bb
3	201203R2_3	100	0.78	NO	25.20	1.000	8.35e5	8.35e5	100	0.0	1.00	bb
4	201203R2_4	100	0.77	NO	25.21	1.000	8.19e5	8.19e5	100	0.0	1.00	bb
5	201203R2_5	100	0.77	NO	25.20	1.000	7.99e5	7.99e5	100	0.0	1.00	bb
6	201203R2_6	100	0.79	NO	25.20	1.000	7.85e5	7.85e5	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	201203R2_1	100	0.79	NO	23.69	1.000	1.32e6	1.32e6	100	0.0	1.00	bb
2	201203R2_2	100	0.78	NO	23.69	1.000	1.36e6	1.36e6	100	0.0	1.00	bb
3	201203R2_3	100	0.79	NO	23.67	1.000	1.40e6	1.40e6	100	0.0	1.00	bb
4	201203R2_4	100	0.78	NO	23.67	1.000	1.36e6	1.36e6	100	0.0	1.00	bb
5	201203R2_5	100	0.79	NO	23.69	1.000	1.31e6	1.31e6	100	0.0	1.00	bb
6	201203R2_6	100	0.79	NO	23.66	1.000	1.30e6	1.30e6	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 11:36:07 Pacific Standard Time

Printed: Friday, December 04, 2020 11:37:44 Pacific Standard Time

Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201203R2_1	100	0.50	NO	33.57	1.000	6.41e5	6.41e5	100	0.0	1.00	bb
2	201203R2_2	100	0.52	NO	33.58	1.000	6.94e5	6.94e5	100	0.0	1.00	bb
3	201203R2_3	100	0.51	NO	33.57	1.000	7.47e5	7.47e5	100	0.0	1.00	bb
4	201203R2_4	100	0.51	NO	33.58	1.000	7.82e5	7.82e5	100	0.0	1.00	bb
5	201203R2_5	100	0.51	NO	33.58	1.000	8.01e5	8.01e5	100	0.0	1.00	bb
6	201203R2_6	100	0.50	NO	33.57	1.000	6.99e5	6.99e5	100	0.0	1.00	bb

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Friday, December 04, 2020 12:05:28 Pacific Standard Time

Printed: Friday, December 04, 2020 12:05:43 Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

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

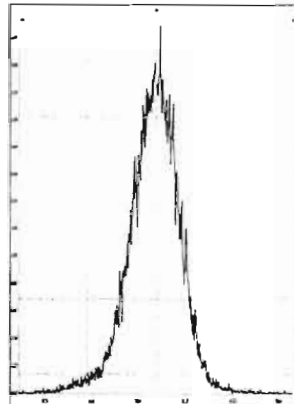
	Name	ID	Acq.Date	Acq.Time
1	201203R2_1	ST201203R2_1 1613 CS0 20K1901	03-Dec-20	10:36:45
2	201203R2_2	ST201203R2_2 1613 CS1 20K1902	03-Dec-20	11:28:04
3	201203R2_3	ST201203R2_3 1613 CS2 20K1903	03-Dec-20	12:14:40
4	201203R2_4	ST201203R2_4 1613 CS4 20L0302	03-Dec-20	13:00:37
5	201203R2_5	ST201203R2_5 1613 CS5 20L0303	03-Dec-20	13:47:04
6	201203R2_6	ST201203R2_6 1613 CS3 20L0301	03-Dec-20	14:35:05
7	201203R2_7	SOLVENT BLANK	03-Dec-20	15:21:59
8	201203R2_8	SS201203R2_1 1613 SSS 20K1907	03-Dec-20	16:09:07
9	201203R2_9	SOLVENT BLANK	03-Dec-20	17:02:58
10	201203R2_10	2002458-01 GW-1212 0.93004	03-Dec-20	17:47:52
11	201203R2_11	2002458-02 GW-1213 0.92278	03-Dec-20	18:32:46
12	201203R2_12	2002458-03 GW-1246 0.9578	03-Dec-20	19:17:40
13	201203R2_13	2002459-01 GW-1223 0.93891	03-Dec-20	20:02:33
14	201203R2_14	2002459-02 GW-1224 0.94848	03-Dec-20	20:47:27
15	201203R2_15	2002459-03 GW-1215 0.95546	03-Dec-20	21:32:21
16	201203R2_16	2002459-04 GW-1216 0.935	03-Dec-20	22:17:16
17	201203R2_17			
18	201203R2_18			
19	201203R2_19			
20	201203R2_20	SOLVENT BLANK	04-Dec-20	07:52:29
21	201203R2_21	ST201203R2_7 1613 CS3 20L0301	04-Dec-20	08:38:31

(A) Oven door open, run paused LHM 12/04/2020

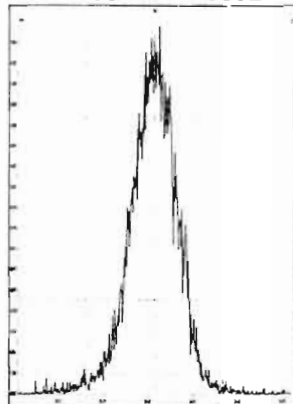
File: Experiment: OCDD_DIOXIN.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, December 03, 2020 10:30:53 Pacific Standard Time

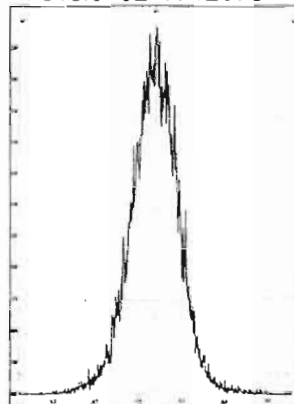
M 292.9824 R 12690



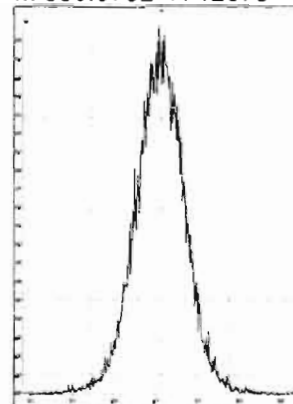
M 304.9824 R 13892



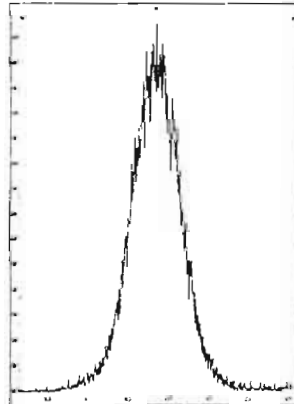
M 318.9792 R 12078



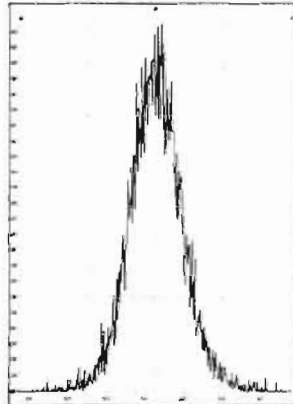
M 330.9792 R 12075



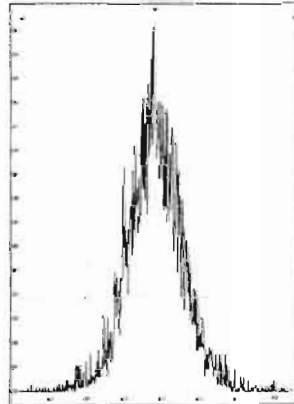
M 342.9792 R 12132



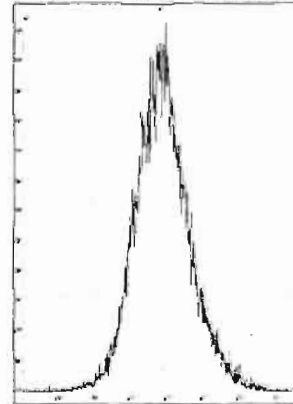
M 354.9792 R 11681



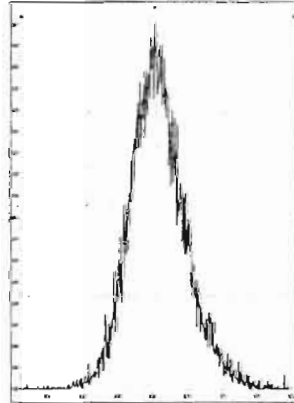
M 366.9792 R 14120



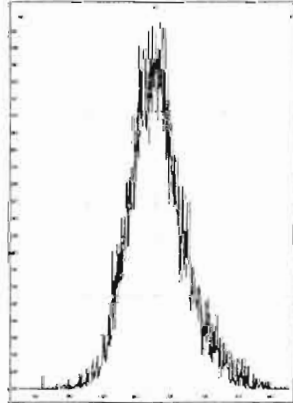
M 380.9760 R 10504



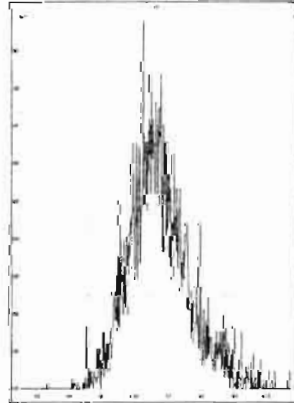
M 392.9760 R 10962



M 404.9760 R 11261



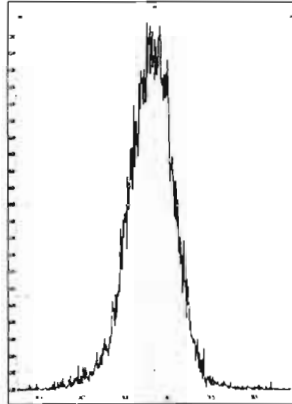
M 416.9760 R 10506



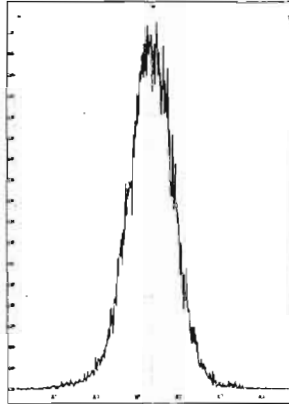
File: Experiment: OCDD_DIOXIN.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, December 03, 2020 10:32:05 Pacific Standard Time

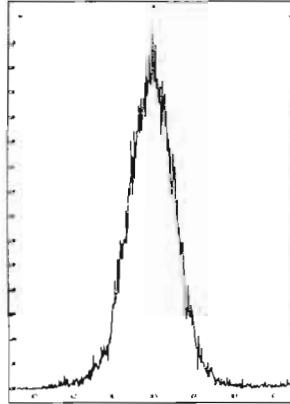
M 318.9792 R 12626



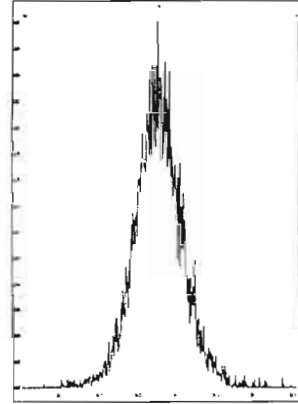
M 330.9792 R 12258



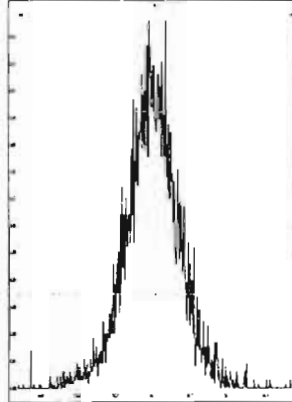
M 342.9792 R 11900



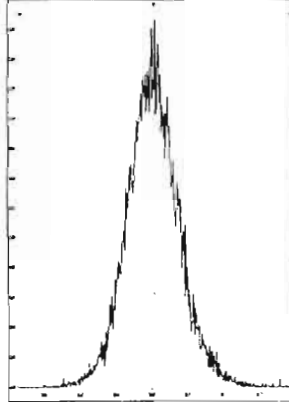
M 354.9792 R 12561



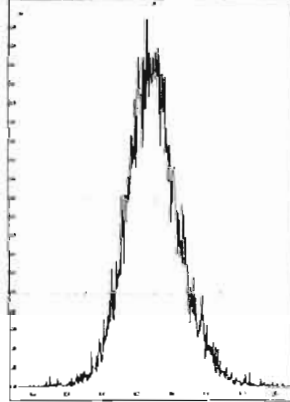
M 366.9792 R 12888



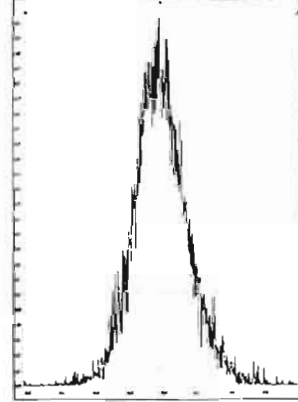
M 380.9760 R 11520



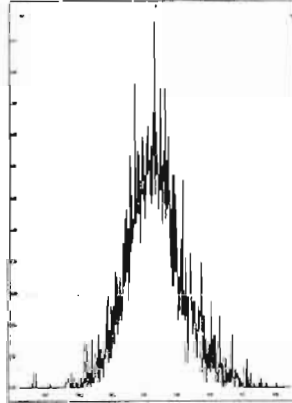
M 392.9760 R 11208



M 404.9760 R 11961



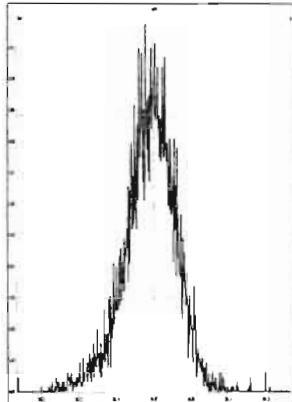
M 416.9760 R 12955



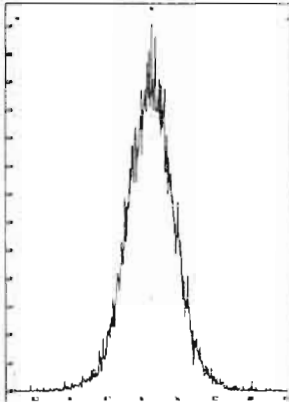
File: Experiment: OCDD_DIOXIN.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, December 03, 2020 10:33:04 Pacific Standard Time

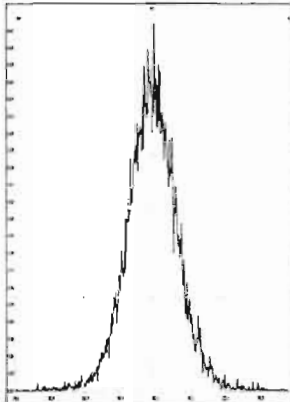
M 366.9792 R 11850



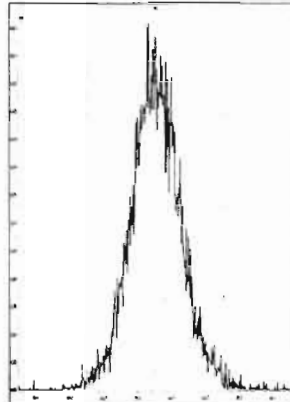
M 380.9760 R 11737



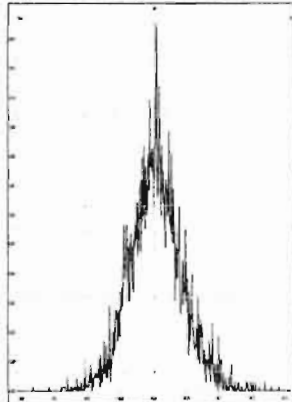
M 392.9760 R 12498



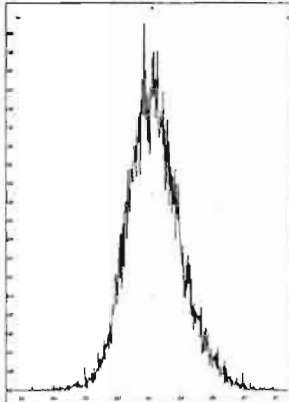
M 404.9760 R 11845



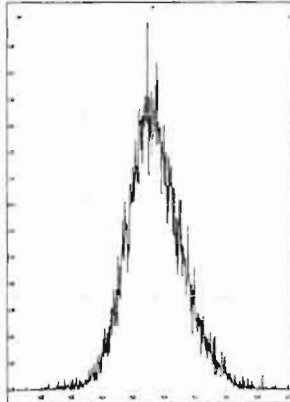
M 416.9760 R 11847



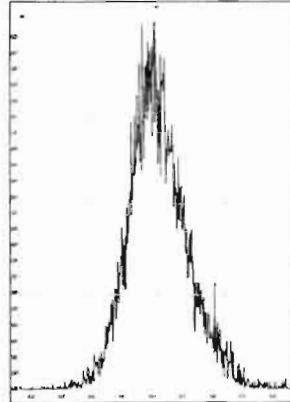
M 430.9728 R 11063



M 442.9728 R 10593



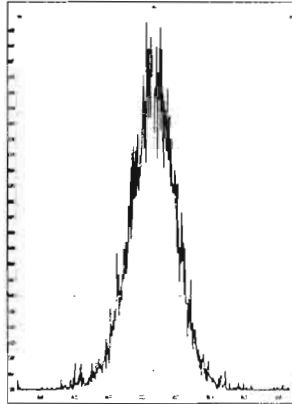
M 454.9728 R 10546



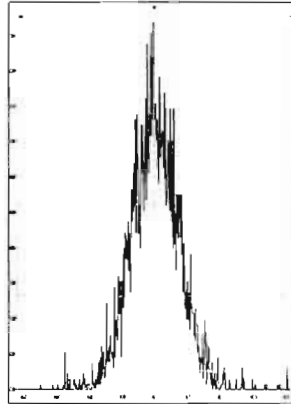
File: Experiment: OCDD_DIOXIN.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, December 03, 2020 10:33:57 Pacific Standard Time

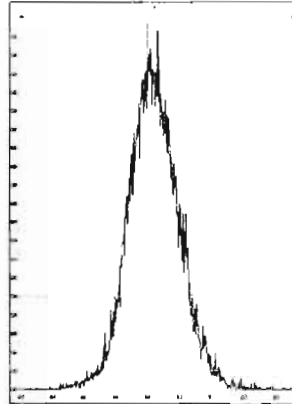
M 404.9760 R 13017



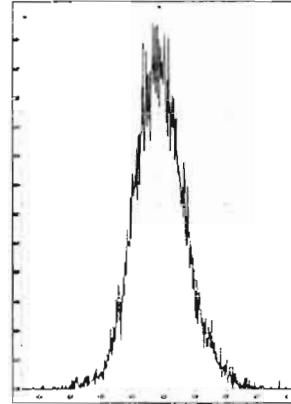
M 416.9760 R 13586



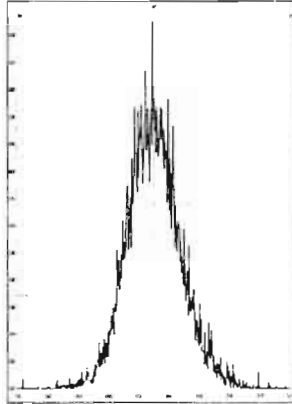
M 430.9728 R 12313



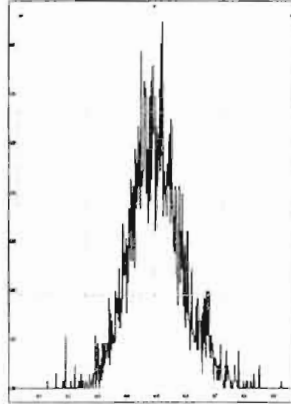
M 442.9728 R 11682



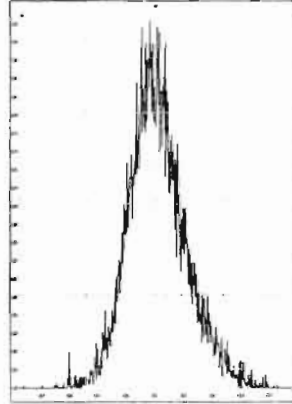
M 454.9728 R 11681



M 466.9728 R 11679



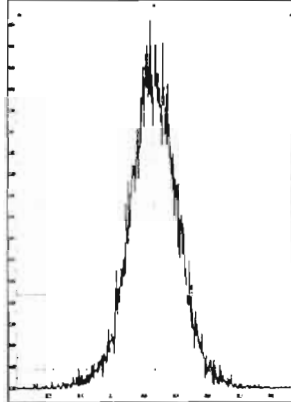
M 480.9696 R 11363



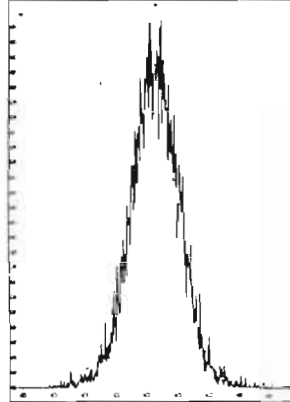
File: Experiment: OCDD_DIOXIN.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, December 03, 2020 10:34:39 Pacific Standard Time

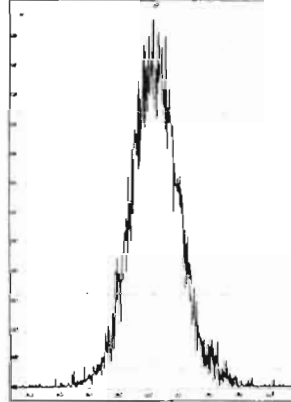
M 430.9728 R 13441



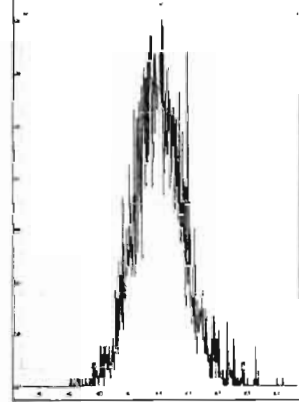
M 442.9728 R 12952



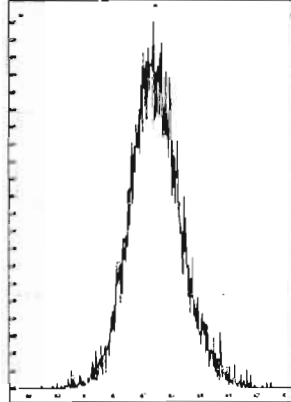
M 454.9728 R 12687



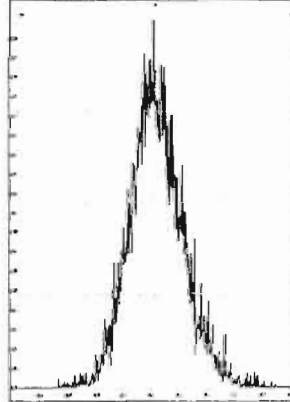
M 466.9728 R 13966



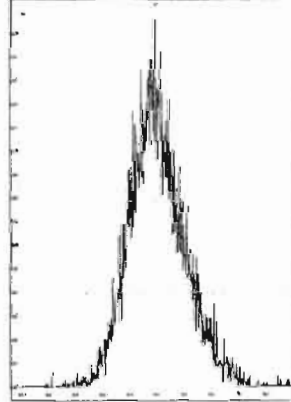
M 480.9696 R 12021



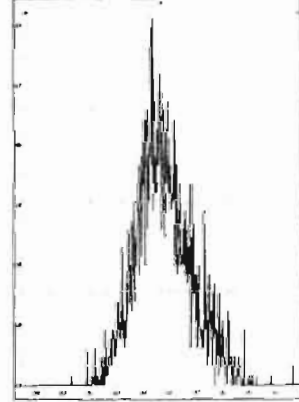
M 492.9696 R 11261



M 504.9696 R 11060



M 516.9697 R 12438



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CPSM.qld

Last Altered: Friday, December 04, 2020 12:03:49 Pacific Standard Time

Printed: Friday, December 04, 2020 12:04:34 Pacific Standard Time

Method: Untitled 10 Nov 2020 10:04:22

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.09
2	2 1,2,8,9-TCDD (Last)	26.90
3	3 1,2,4,7,9-PeCDD (First)	28.47
4	4 1,2,3,8,9-PeCDD (Last)	31.09
5	5 1,2,4,6,7,9-HxCDD (First)	32.42
6	6 1,2,3,7,8,9-HxCDD (Last)	34.43
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.85
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.91
9	9 1,3,6,8-TCDF (First)	19.89
10	10 1,2,8,9-TCDF (Last)	27.21
11	11 1,3,4,6,8-PeCDF (First)	26.78
12	12 1,2,3,8,9-PeCDF (Last)	31.47
13	13 1,2,3,4,6,8-HxCDF (First)	31.90
14	14 1,2,3,7,8,9-HxCDF (Last)	34.92
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.48
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.54

Dataset: Untitled

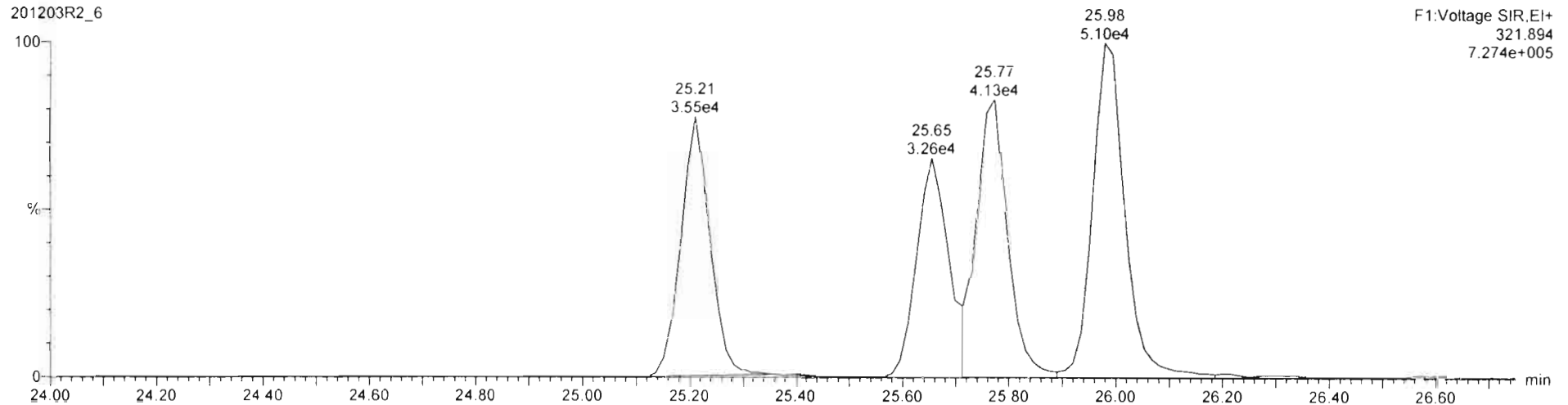
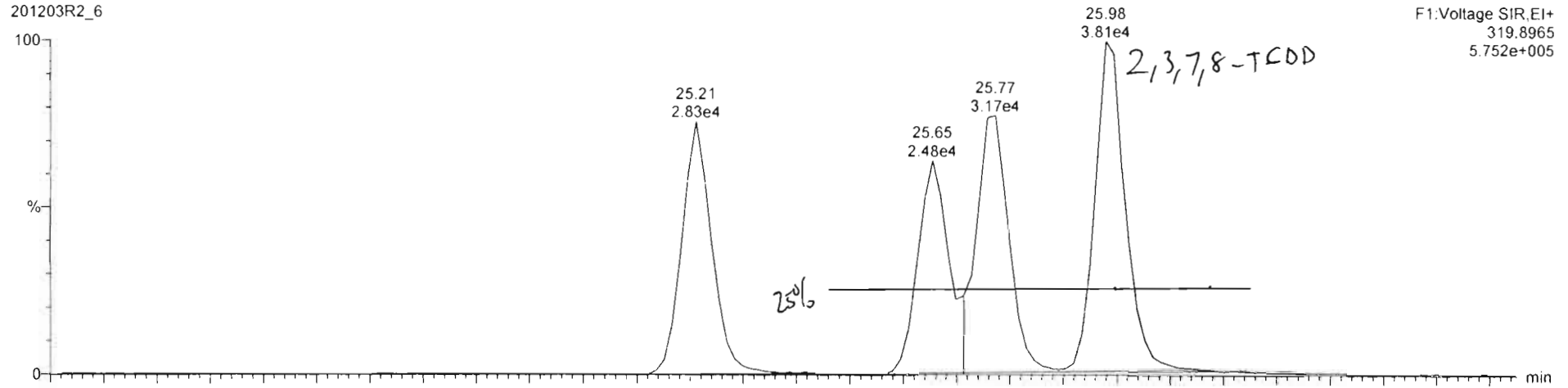
Last Altered: Friday, December 04, 2020 12:14:23 Pacific Standard Time
Printed: Friday, December 04, 2020 12:21:02 Pacific Standard Time

HN 12/04/2020

Method: U:\VG12.PRO\MethDB\CPSM.mdb 10 Nov 2020 10:04:22
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1,3,6,8-TCDD (First)
201203R2_6



Dataset: Untitled

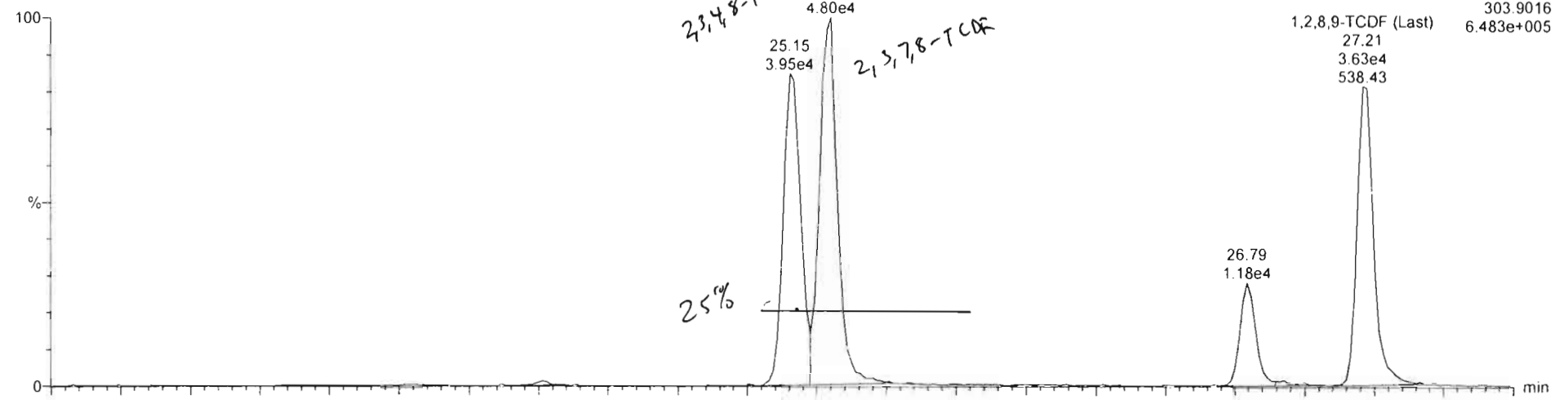
Last Altered: Friday, December 04, 2020 12:14:23 Pacific Standard Time
Printed: Friday, December 04, 2020 12:21:02 Pacific Standard Time

FIN 12/04/2020

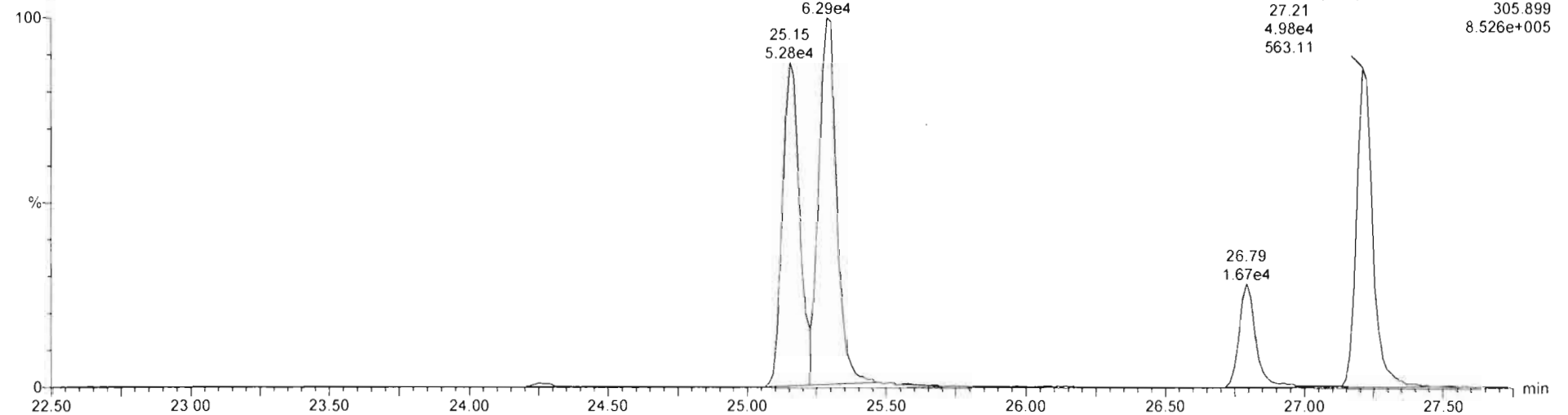
Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201203R2_6



201203R2_6



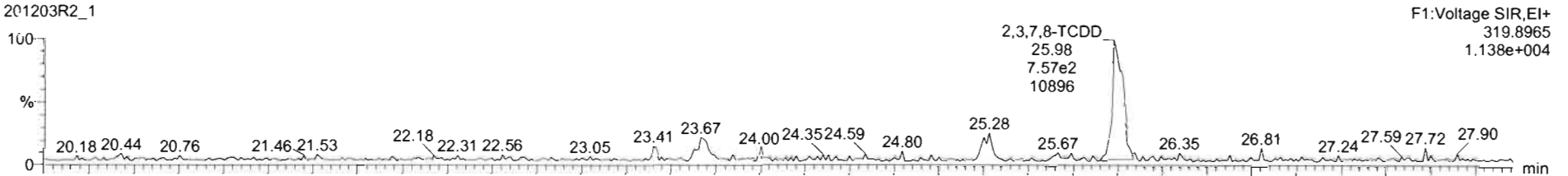
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

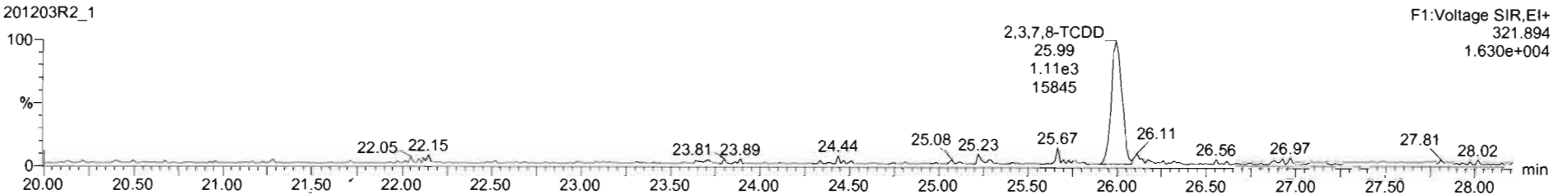
Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 08:58:11

Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

2,3,7,8-TCDD
201203R2_1

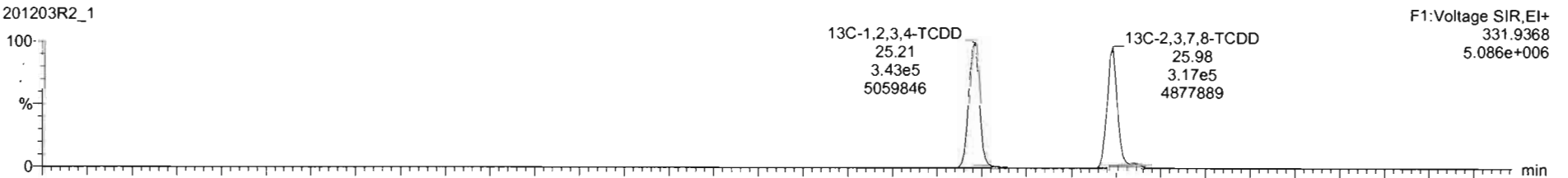


201203R2_1

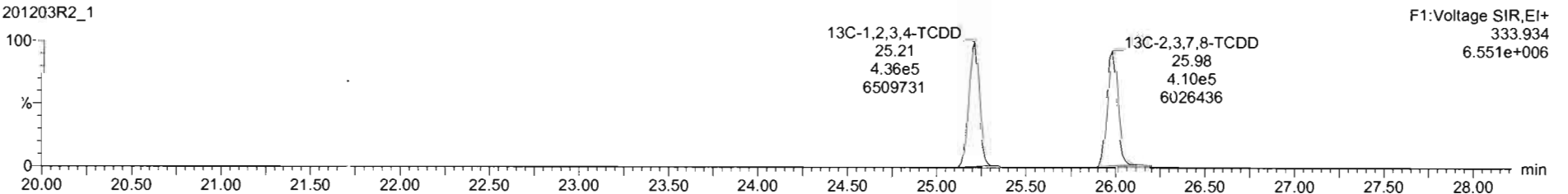


13C-2,3,7,8-TCDD

201203R2_1



201203R2_1

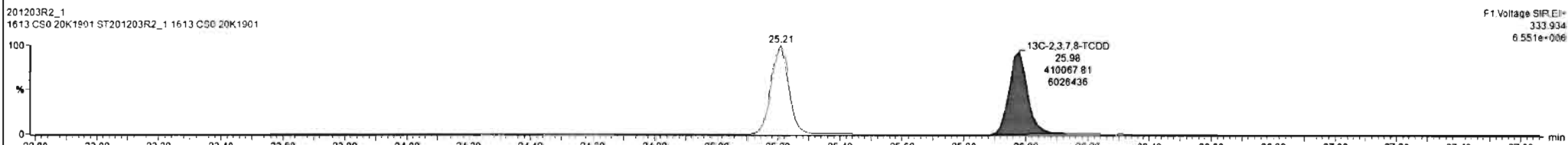
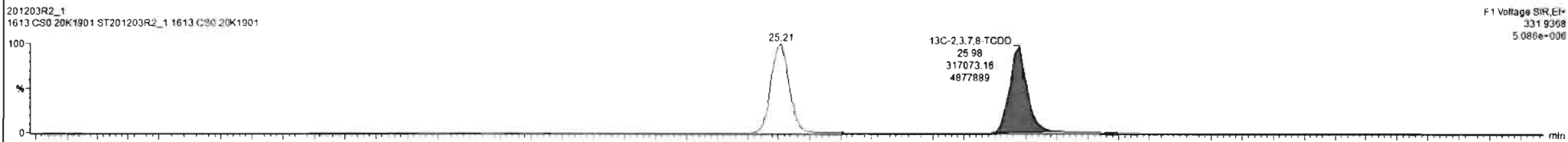
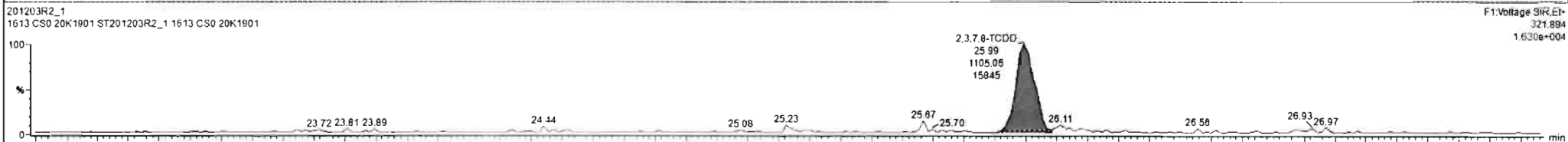
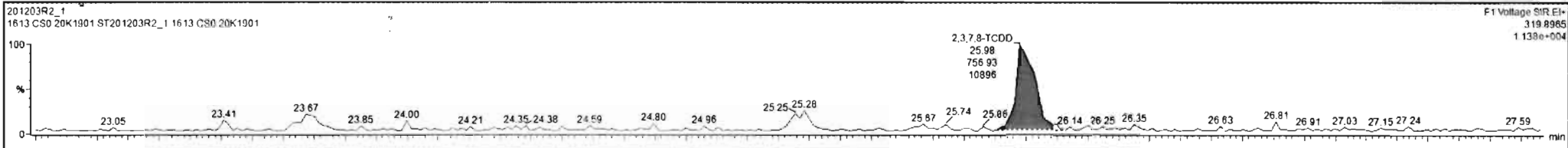


TargetLynx - 201203R2_CRV.qtd - [Chromatogram]

File Edit View Display Processing Window Help

201203R2_1 - ST201203R2_1 1613 CS0 20K1901 1613 CS0 20K1901

#	Name	Resp	RA	aly	RRF	wVvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.89e3	0.89	NO	0.90	1.000	25.98	1.000	0.251	104	0.0193	0.261
2	1,2,3,7,8-PeCDD	6.50e3	0.56	NO	0.93	1.000	30.74	1.000	1.35	108	0.0457	1.35
3	1,2,3,4,7,8-HxCDD	4.47e3	1.21	NO	1.02	1.000	34.05	1.001	1.23	98.8	0.0497	1.24
4	1,2,3,6,7,8-HxCDD	5.01e3	1.19	NO	0.90	1.000	34.17	1.000	1.30	104	0.0494	1.30
5	1,2,3,7,8,9-HxCDD	5.15e3	1.32	NO	0.96	1.000	34.44	1.001	1.29	103	0.0532	1.29
6	1,2,3,4,6,7,8-HpCDD	3.95e3	1.05	NO	0.92	1.000	37.91	1.000	1.34	107	0.0798	1.34
7	OCDD	6.00e3	0.83	NO	0.87	1.000	40.81	1.000	2.50	99.9	0.0550	2.50
8	2,3,7,8-TCDF	2.48e3	0.73	NO	0.85	1.000	25.31	1.001	0.272	109	0.0114	0.272
9	1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.96	1.000	29.48	1.000	1.28	103	0.0334	1.28
10	1,2,3,7,8-HxCDF	1.89e3	1.27	NO	1.07	1.000	34.66	1.000	1.37	106	0.0494	1.37



201203R2_1 CAP NUM

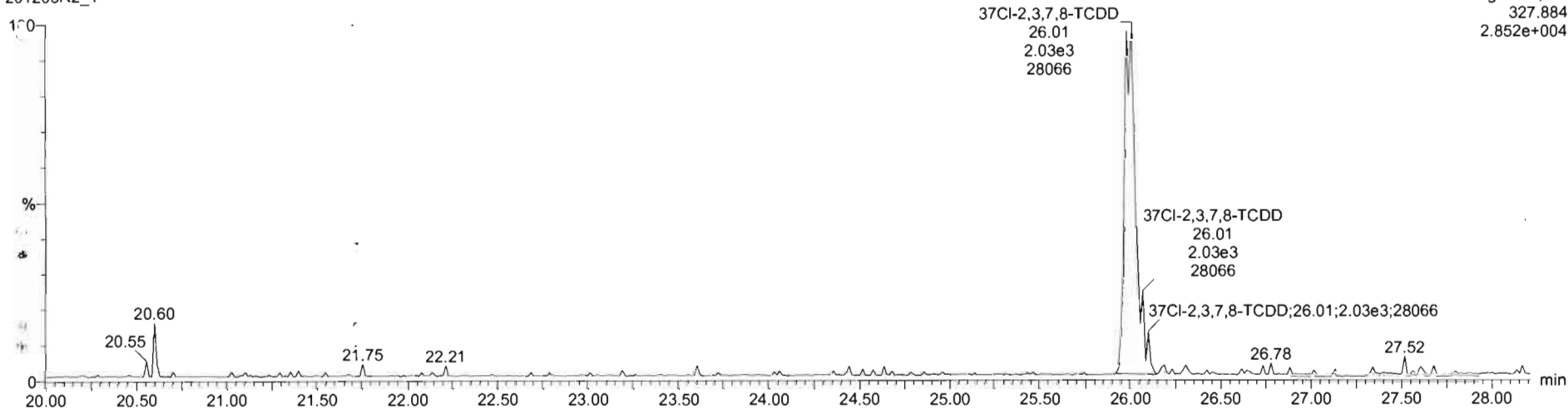
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

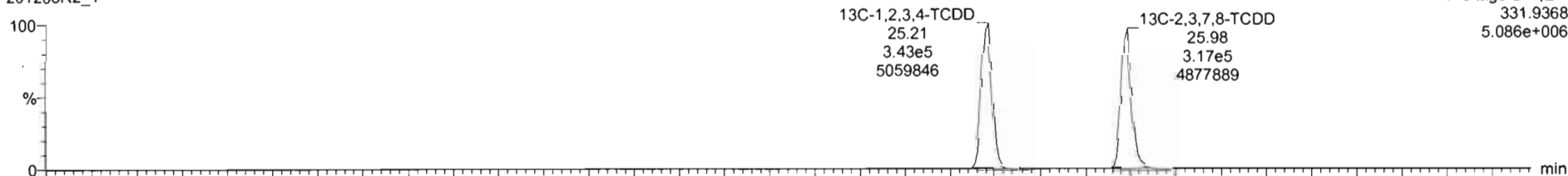
37Cl-2,3,7,8-TCDD

201203R2_1

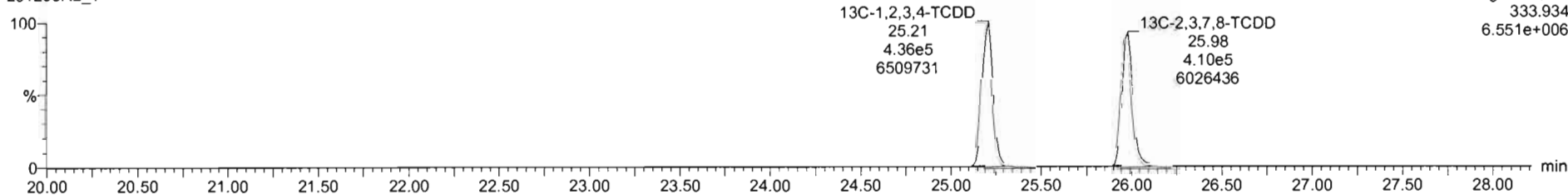


13C-1,2,3,4-TCDD

201203R2_1



201203R2_1



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

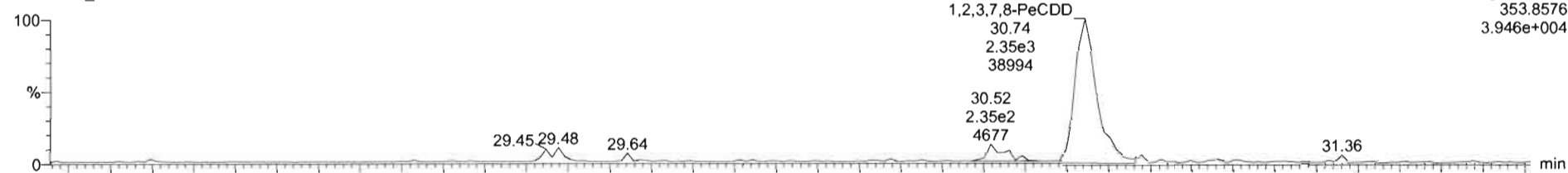
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

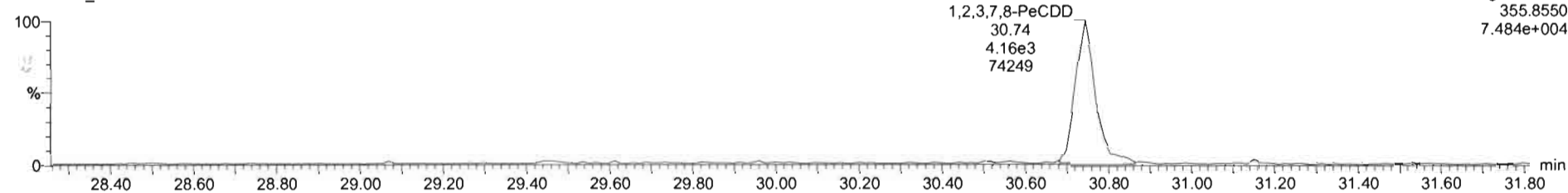
1,2,3,7,8-PeCDD

201203R2_1



F2: Voltage SIR, EI+
353.8576
3.946e+004

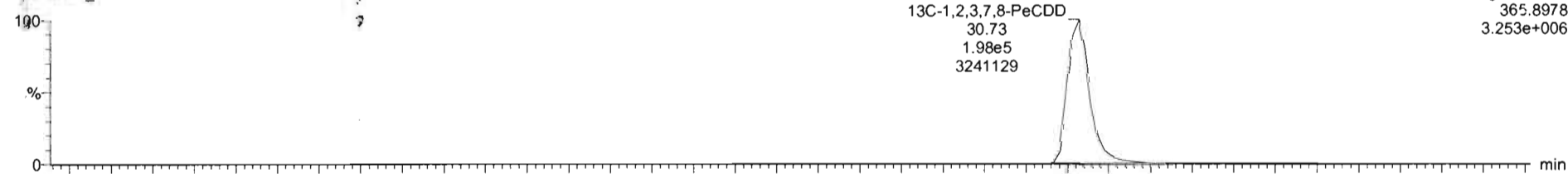
201203R2_1



F2: Voltage SIR, EI+
355.8550
7.484e+004

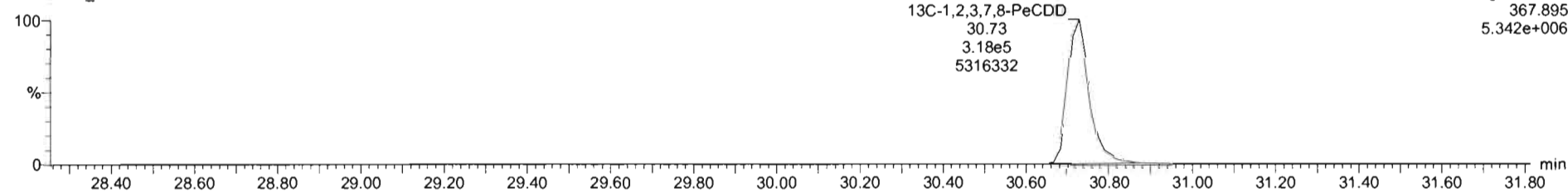
13C-1,2,3,7,8-PeCDD

201203R2_1



F2: Voltage SIR, EI+
365.8978
3.253e+006

201203R2_1



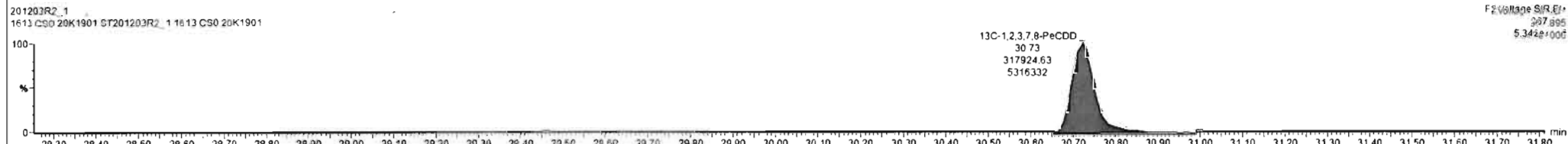
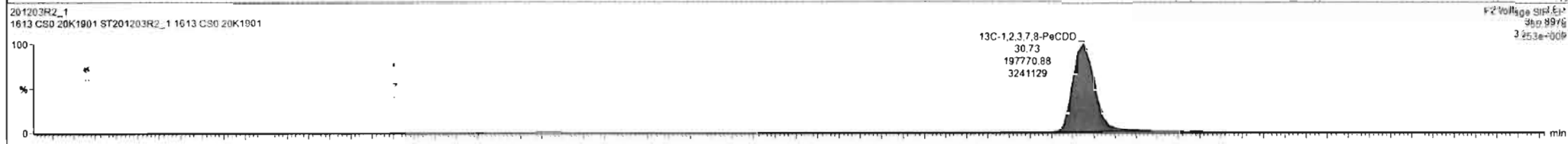
F2: Voltage SIR, EI+
367.895
5.342e+006

Target: yms - 201203R2_CIV.gd - Chromatogram

File Edit View Display Processing Window Help

201203R2_1 - ST201203R2_1 1613 CS0 20K1901 1613 CS0 20K1901

#	Name	Resp	RA	slv	RRF	wt/wgt	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.86e3	0.69	NO	0.96	1.000	25.98	1.000	0.261	104	0.0193	0.261
2	1,2,3,7,8-PeCDD	6.50e3	0.56	NO	0.93	1.000	30.74	1.000	1.35	108	0.0457	1.35
3	1,2,3,4,7,8-HxCDD	4.47e3	1.21	NO	1.02	1.000	34.05	1.001	1.23	98.8	0.0497	1.24
4	1,2,3,6,7,8-HxCDD	5.01e3	1.19	NO	0.90	1.000	34.17	1.000	1.30	104	0.0494	1.30
5	1,2,3,7,8,9-HxCDD	5.15e3	1.32	NO	0.96	1.000	34.44	1.001	1.29	103	0.0532	1.29
6	1,2,3,4,6,7,8-HpCDD	3.95e3	1.05	NO	0.92	1.000	37.91	1.000	1.34	107	0.0798	1.34
7	OCDD	6.00e3	0.83	NO	0.87	1.000	40.81	1.000	2.50	99.9	0.0550	2.50
8	2,3,7,8-TCDF	2.48e3	0.73	NO	0.85	1.000	25.31	1.001	0.272	109	0.0114	0.272
9	1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.96	1.000	29.48	1.000	1.28	103	0.0334	1.28
10	1,2,3,7,8,9-HxCDF	1.00e3	1.67	NO	1.07	1.000	34.66	1.000	1.37	106	0.0384	1.37



Regch 201203R2_1 CAP NUM

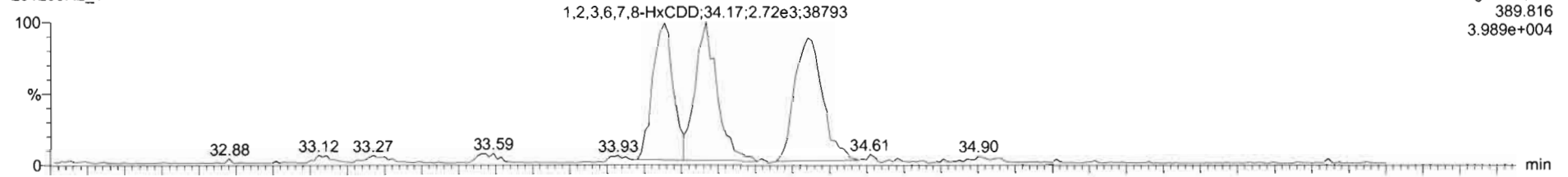
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

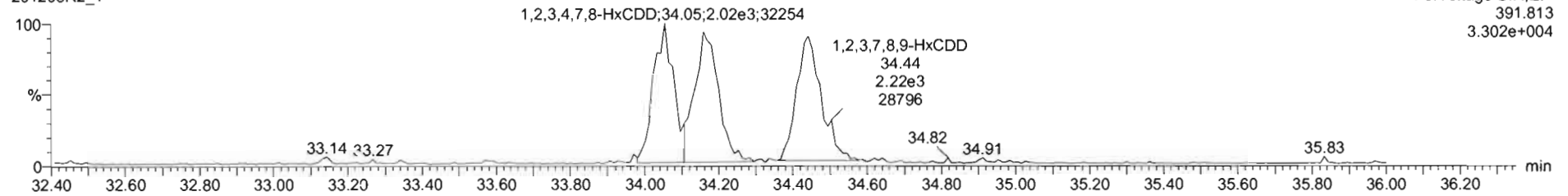
Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

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

201203R2_1

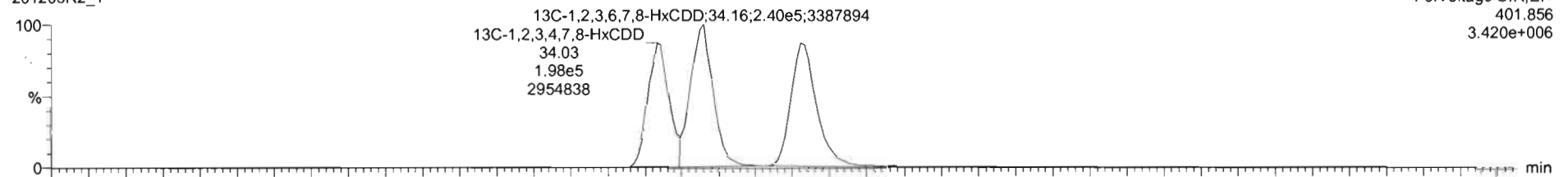


201203R2_1

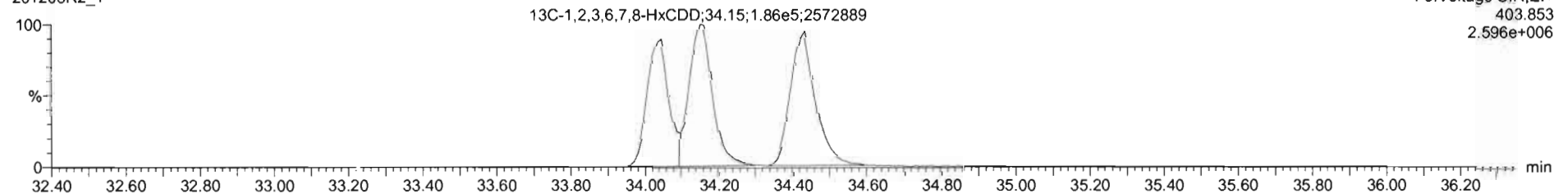


13C-1,2,3,4,7,8-HxCDD

201203R2_1



201203R2_1

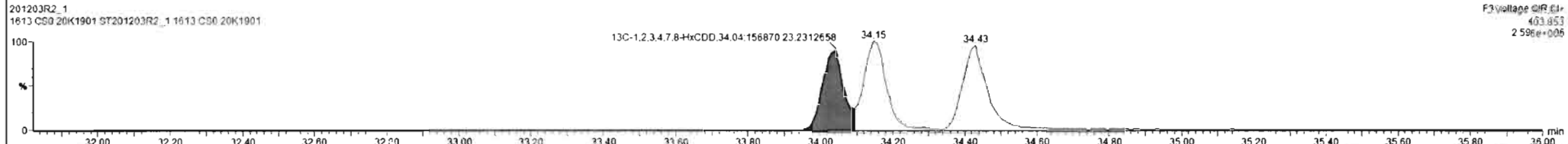
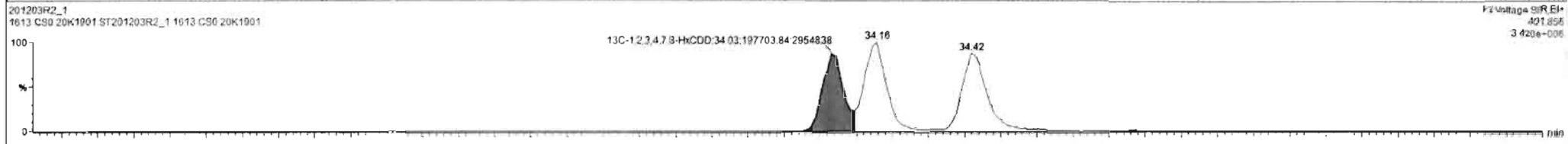
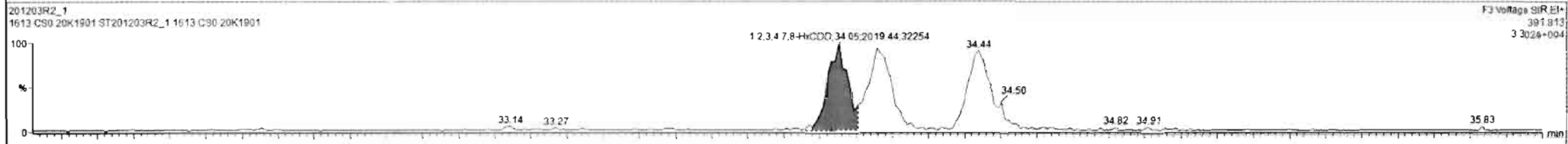
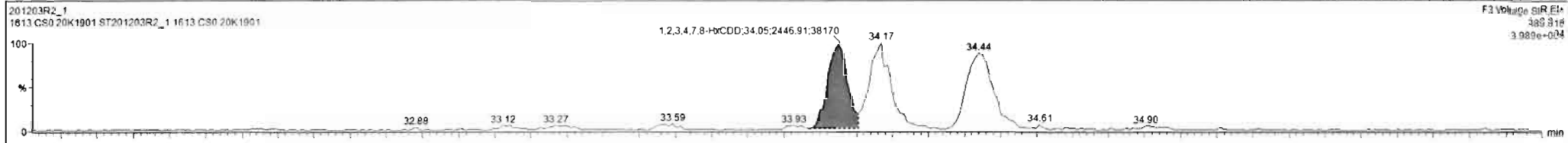


TargetLynx - 201203R2_CRV.gld - [Chromatogram]

File Edit View Display Processing Window Help

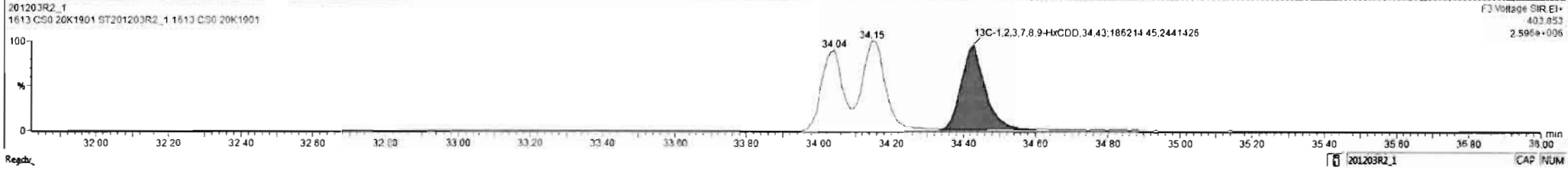
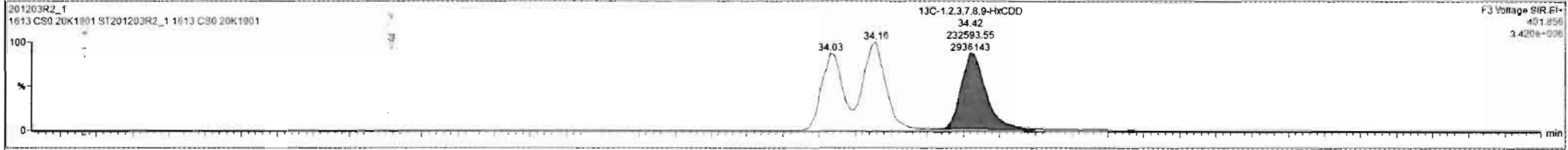
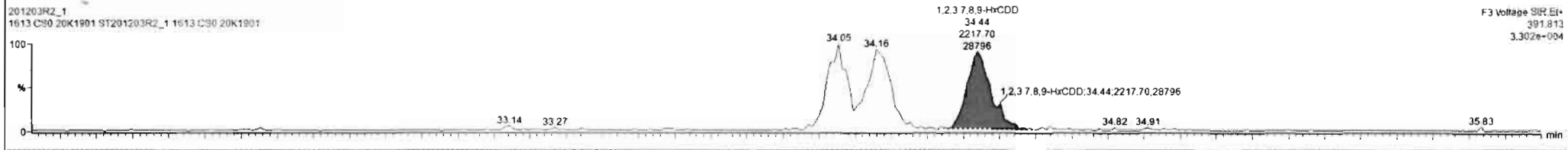
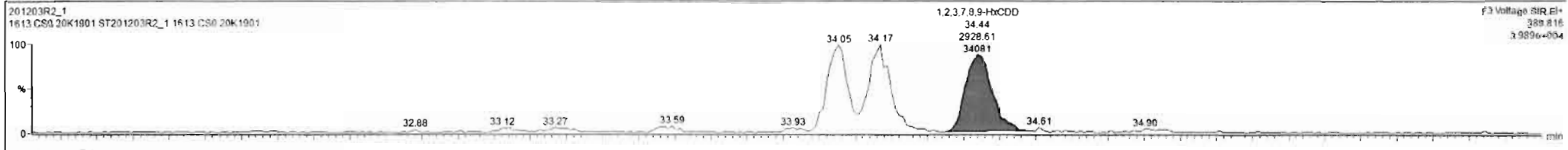
201203R2_1 - ST201203R2_1 1613 CS0 20K1901 - 1613 CS0 20K1901

Name	Resp	RA	My	RRF	wVvsl	RT	RRT	Conc	%Rec	CL	EMPC
1 2,3,7,8-TCDD	1.86e3	0.69	NO	0.98	1.000	25.88	1.000	0.261	104	0.0193	0.261
2 1,2,3,7,8-PeCDD	6.50e3	0.56	NO	0.93	1.000	30.74	1.000	1.35	108	0.0457	1.35
3 1,2,3,4,7,8-HxCDD	4.47e3	1.21	NO	1.02	1.000	34.72	1.001	1.23	98.8	0.0497	1.24
4 1,2,3,6,7,8-HxCDD	5.01e3	1.19	NO	0.90	1.000	34.17	1.000	1.30	104	0.0494	1.30
5 1,2,3,7,8,9-HxCDD	5.15e3	1.32	NO	0.96	1.000	34.44	1.001	1.29	103	0.0532	1.29
6 1,2,3,4,6,7,8-HpCDD	3.95e3	1.05	NO	0.92	1.000	37.91	1.000	1.34	107	0.0798	1.34
7 OCDD	6.00e3	0.83	NO	0.87	1.000	40.81	1.000	2.50	99.9	0.0550	2.50
8 2,3,7,8-TCDF	2.48e3	0.73	NO	0.85	1.000	25.31	1.001	0.272	109	0.0114	0.272
9 1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.96	1.000	29.48	1.000	1.28	103	0.0334	1.28



Regdy 201203R2_1 CAP NUM

#	Name	Resp	RA	ny	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.86e3	0.69	NO	0.98	1.000	25.53	1.000	0.261	104	0.0193	0.261
2	1,2,3,7,8-PeCDD	6.50e3	0.56	NO	0.93	1.000	30.74	1.000	1.35	108	0.0457	1.35
3	1,2,3,4,7,8-HxCDD	4.47e3	1.21	NO	1.02	1.000	34.05	1.001	1.23	98.8	0.0497	1.24
4	1,2,3,6,7,8-HxCDD	5.01e3	1.19	NO	0.90	1.000	34.17	1.000	1.30	104	0.0494	1.30
5	1,2,3,7,8,9-HxCDD	5.15e3	1.32	NO	0.96	1.000	34.44	1.001	1.29	103	0.0532	1.29
6	1,2,3,4,6,7,8-HxCDD	3.95e3	1.05	NO	0.92	1.000	37.91	1.000	1.34	107	0.0798	1.34
7	DiCDD	6.00e3	0.63	NO	0.87	1.000	40.81	1.000	2.50	99.9	0.0550	2.50
8	2,3,7,8-TCDF	2.48e3	0.73	NO	0.85	1.000	25.31	1.001	0.272	109	0.0114	0.272
9	1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.96	1.000	29.48	1.000	1.28	103	0.0334	1.28



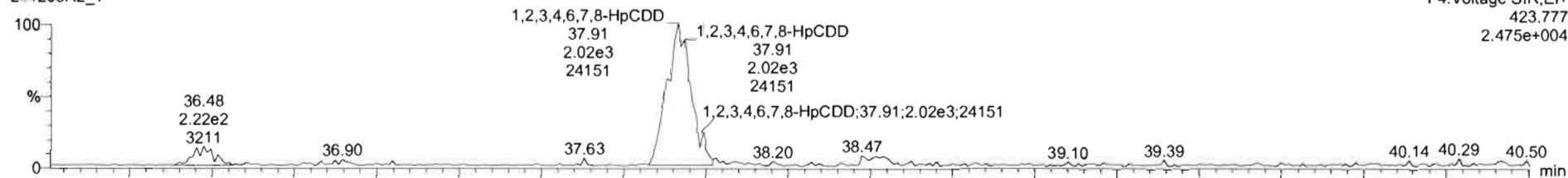
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

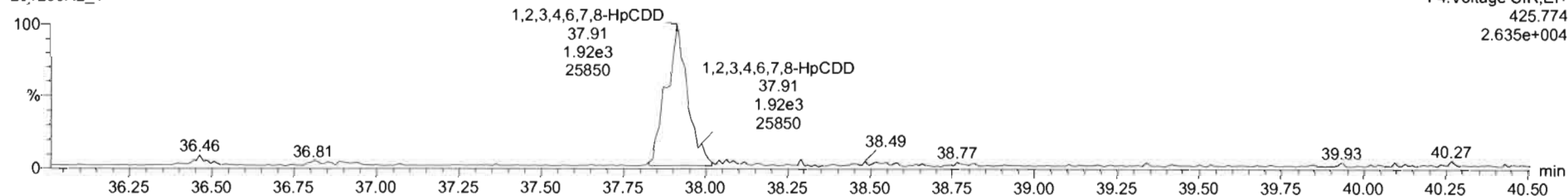
Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

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

201203R2_1

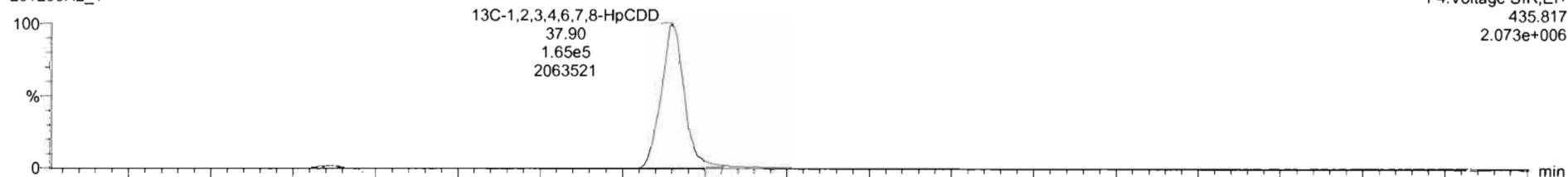


201203R2_1

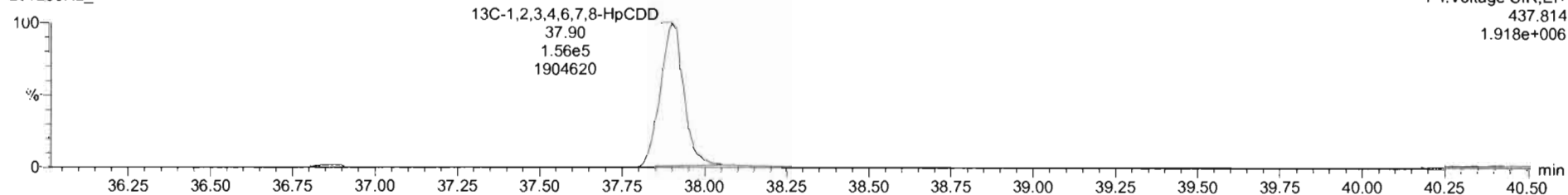


13C-1,2,3,4,6,7,8-HpCDD

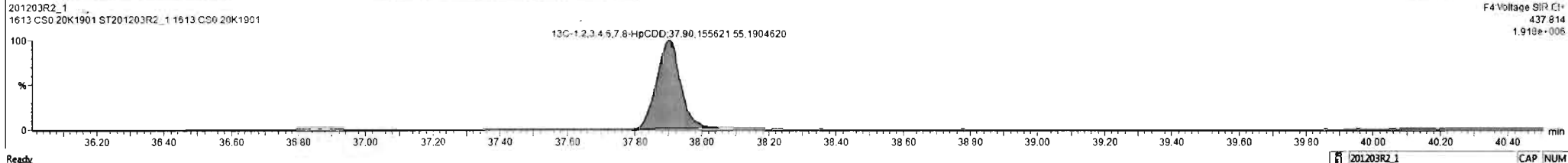
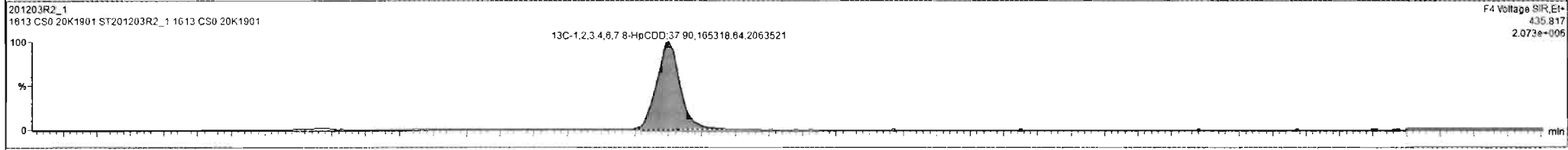
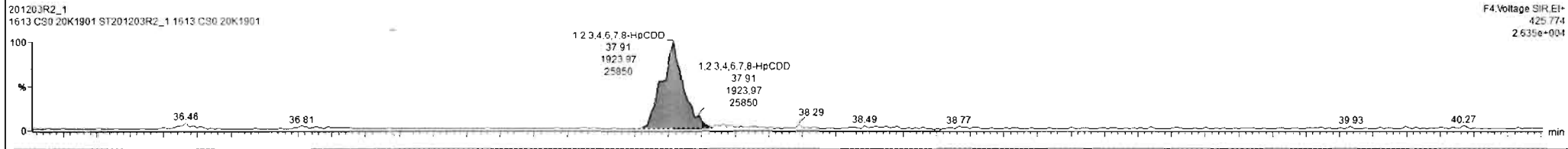
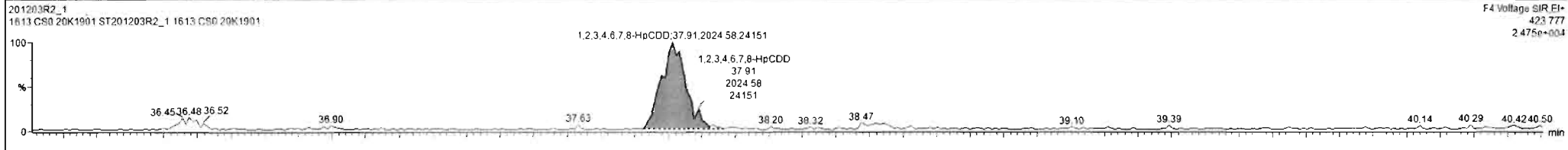
201203R2_1



201203R2_1



Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.86e3	0.69	NO	0.98	1.000	25.98	1.000	0.261	104	0.0193	0.261
2 1,2,3,7,8-PeCDD	6.50e3	0.56	NO	0.93	1.000	30.74	1.000	1.35	108	0.0457	1.35
3 1,2,3,4,7,8-HxCDD	4.47e3	1.21	NO	1.02	1.000	34.05	1.001	1.23	98.8	0.0497	1.24
4 1,2,3,6,7,8-HxCDD	5.01e3	1.19	NO	0.90	1.000	34.17	1.000	1.30	104	0.0494	1.30
5 1,2,3,7,8,9-HxCDD	5.15e3	1.32	NO	0.96	1.000	34.40	1.001	1.29	103	0.0532	1.29
6 1,2,3,4,6,7,8-HpCDD	3.95e3	1.05	NO	0.92	1.000	37.91	1.000	1.34	107	0.0798	1.34
7 OCDD	6.00e3	0.83	NO	0.87	1.000	40.01	1.000	2.50	99.9	0.0550	2.50
8 2,3,7,8-TCDF	2.48e3	0.73	NO	0.85	1.000	25.31	1.001	0.272	109	0.0114	0.272
9 1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.96	1.000	29.48	1.000	1.28	103	0.0334	1.28

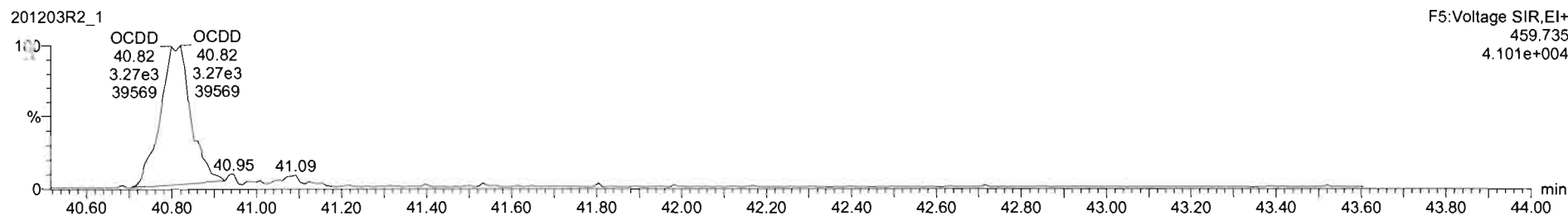
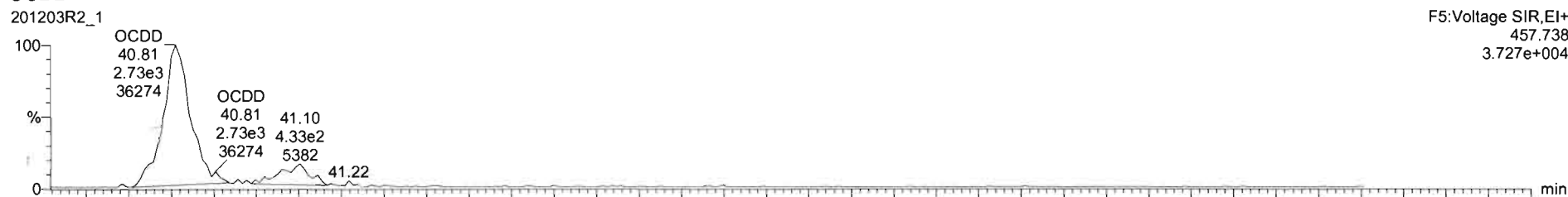


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

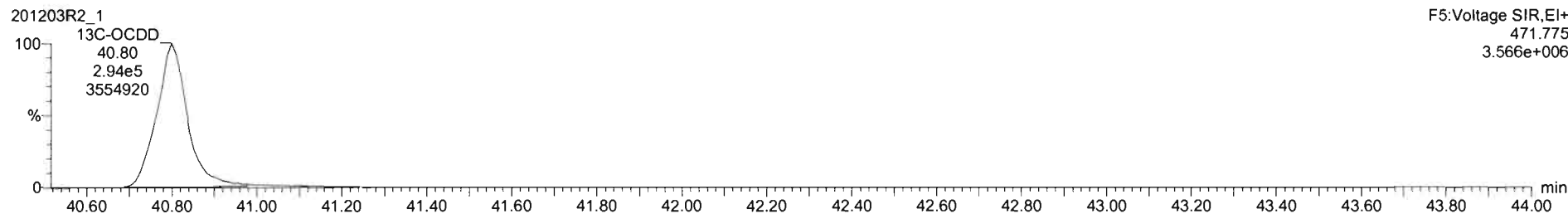
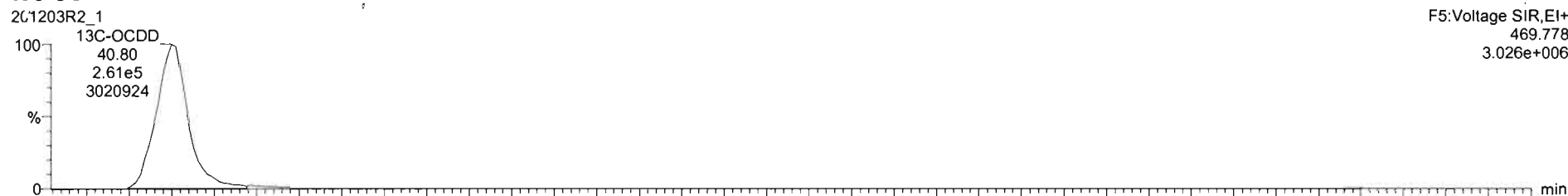
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

OCDD

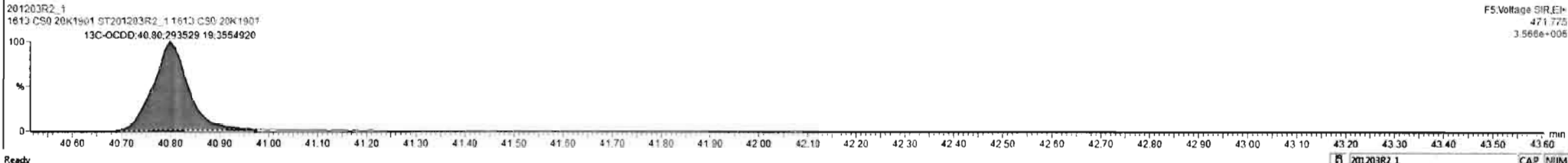


1. C-OCDD



201203R2_1 - ST201203R2_1 1613 CS0 20K1901 - 1613 CS0 20K1901

#	Name	Resp	RA	rvy	RRF	wVvol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.86e3	0.69	NO	0.98	1.000	25.98	1.000	0.261	104	0.0193	0.261
2	1,2,3,7,8-PeCDD	6.50e3	0.56	NO	0.93	1.000	30.74	1.000	1.35	108	0.0457	1.35
3	1,2,3,4,7,8-HxCDD	4.47e3	1.21	NO	1.02	1.000	34.05	1.001	1.23	98.8	0.0497	1.24
4	1,2,3,6,7,8-HxCDD	5.01e3	1.19	NO	0.90	1.000	34.1	1.000	1.20	104	0.0494	1.30
5	1,2,3,7,8-HxCDD	5.15e3	1.32	NO	0.96	1.000	34.4	1.001	1.29	103	0.0632	1.29
6	1,2,3,4,6,7,8-HpCDD	3.95e3	1.05	NO	0.92	1.000	37.91	1.000	1.34	107	0.0798	1.24
7	OCDD	6.00e3	0.83	NO	0.87	1.000	40.81	1.000	2.50	99.9	0.0550	2.50
8	2,3,7,8-TCDF	2.48e3	0.73	NO	0.85	1.000	25.31	1.001	0.272	109	0.0114	0.272
9	1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.95	1.000	29.48	1.000	1.28	103	0.0334	1.28



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

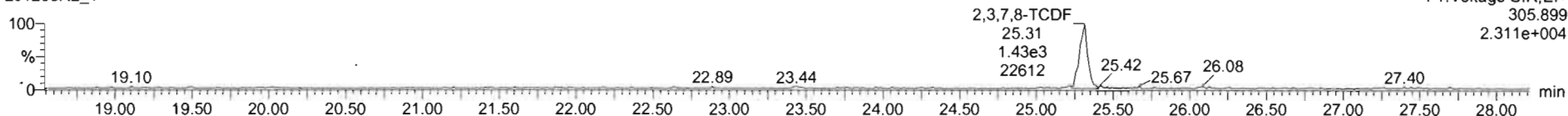
2,3,7,8-TCDF

201203R2_1



F1:Voltage SIR,EI+
303.9016
1.570e+004

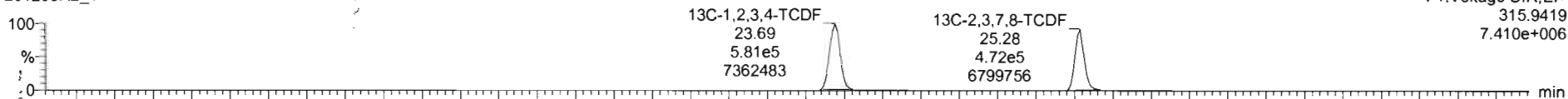
201203R2_1



F1:Voltage SIR,EI+
305.899
2.311e+004

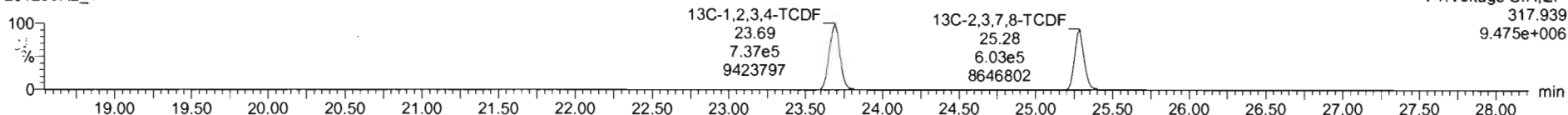
13C-2,3,7,8-TCDF

201203R2_1



F1:Voltage SIR,EI+
315.9419
7.410e+006

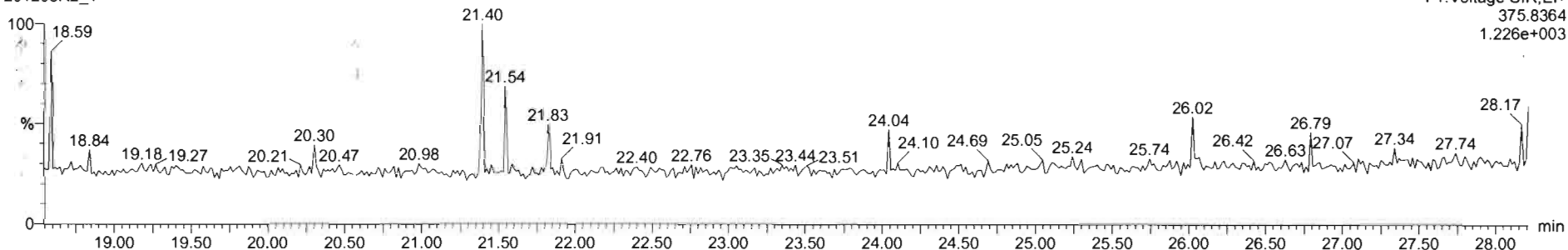
201203R2_1



F1:Voltage SIR,EI+
317.939
9.475e+006

DPE1

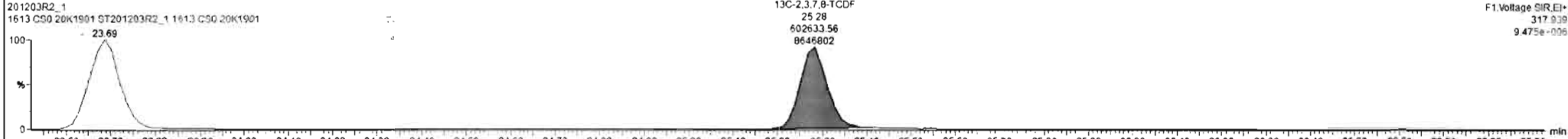
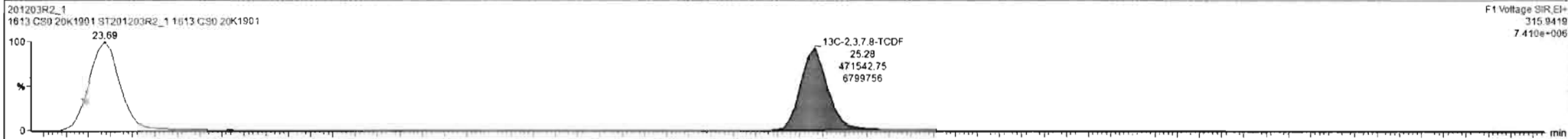
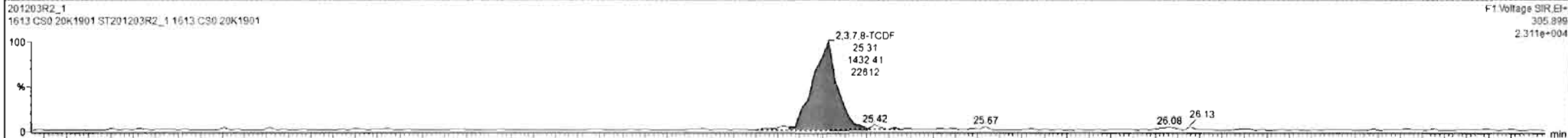
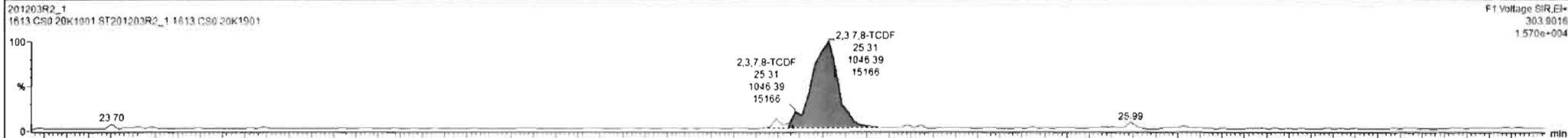
201203R2_1



F1:Voltage SIR,EI+
375.8364
1.226e+003

201203R2_1 - ST201203R2_1 1613 CS0 20K1901 - 1613 CS0 20K1901

SI	Name	Resp	RA	dy	RRF	wt/dwt	RT	RRT	Conc	%Rec	DL	EM/PC
1	2,3,7,8-TCDD	1.86e3	0.69	NO	0.98	1.000	25.90	1.000	0.261	104	0.0193	0.261
2	1,2,3,7,8-PeCDD	6.50e3	0.56	NO	0.93	1.000	30.74	1.000	1.35	105	0.0457	1.35
3	1,2,3,4,7,8-HxCDD	4.47e3	1.21	NO	1.02	1.000	34.05	1.001	1.23	98.8	0.0497	1.24
4	1,2,3,6,7,8-HxCDD	5.01e3	1.19	NO	0.90	1.000	34.17	1.000	1.30	104	0.0494	1.30
5	1,2,3,7,8,9-HxCDD	5.15e3	1.32	NO	0.96	1.000	34.44	1.001	1.29	103	0.0532	1.29
6	1,2,3,4,6,8-HxCDD	3.95e3	1.05	NO	0.92	1.000	37.94	1.000	1.34	107	0.0798	1.34
7	OCDD	6.00e3	0.83	NO	0.87	1.000	40.87	1.000	2.50	99.9	0.0550	2.50
8	2,3,7,8-TCDF	2.48e3	0.73	NO	0.85	1.000	25.31	1.001	0.272	109	0.0114	0.272
9	1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.96	1.000	29.48	1.000	1.26	103	0.0334	1.28



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

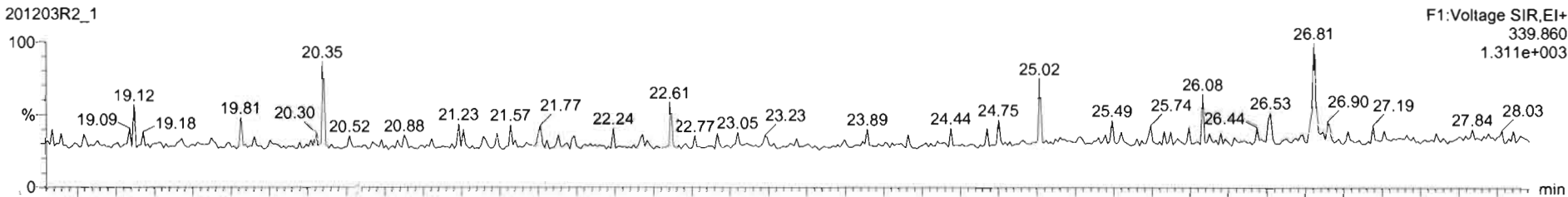
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

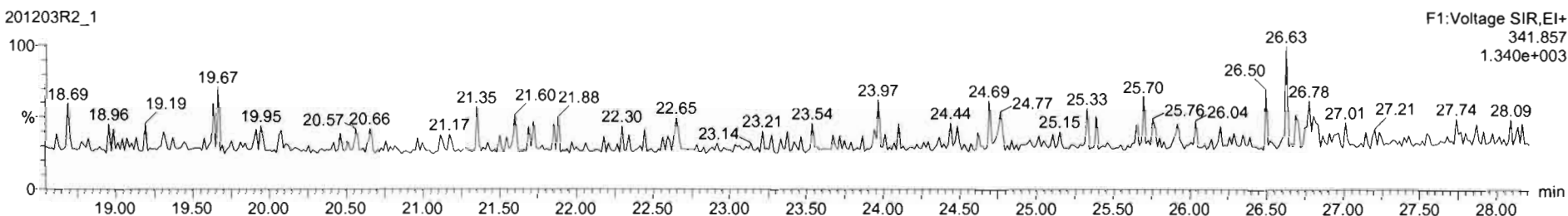
Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

1st Func. Penta-Furans

201203R2_1

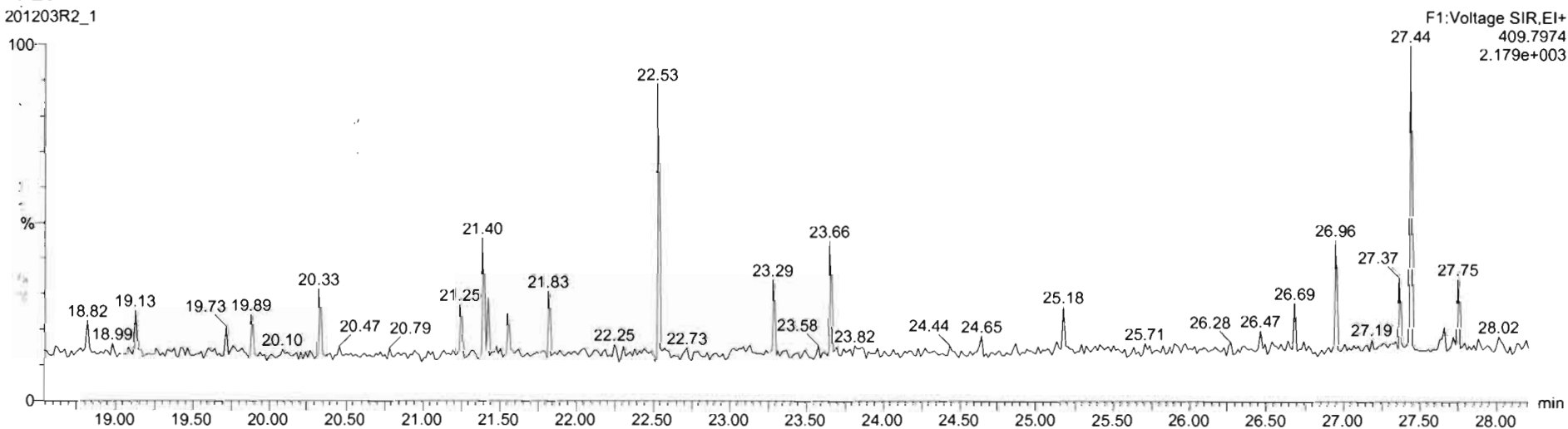


201203R2_1



DPE6

201203R2_1



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

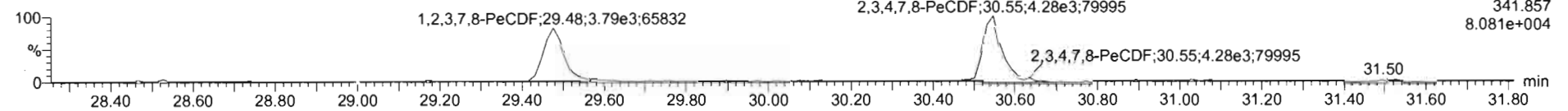
1,2,3,7,8-PeCDF

201203R2_1



F2:Voltage SIR,EI+
339.860
1.212e+005

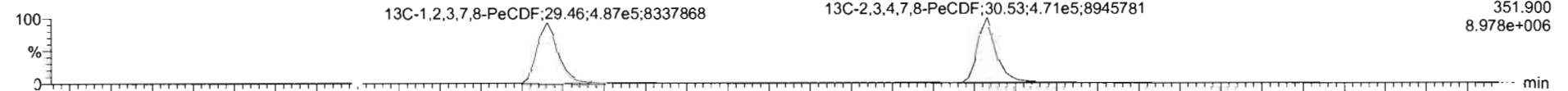
201203R2_1



F2:Voltage SIR,EI+
341.857
8.081e+004

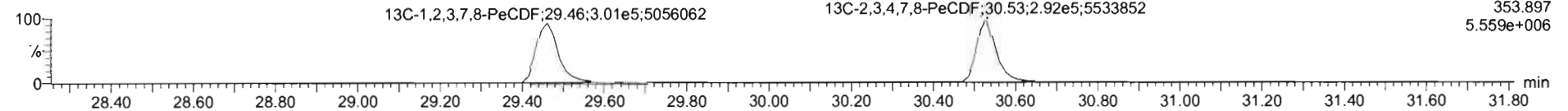
13C-1,2,3,7,8-PeCDF

201203R2_1



F2:Voltage SIR,EI+
351.900
8.978e+006

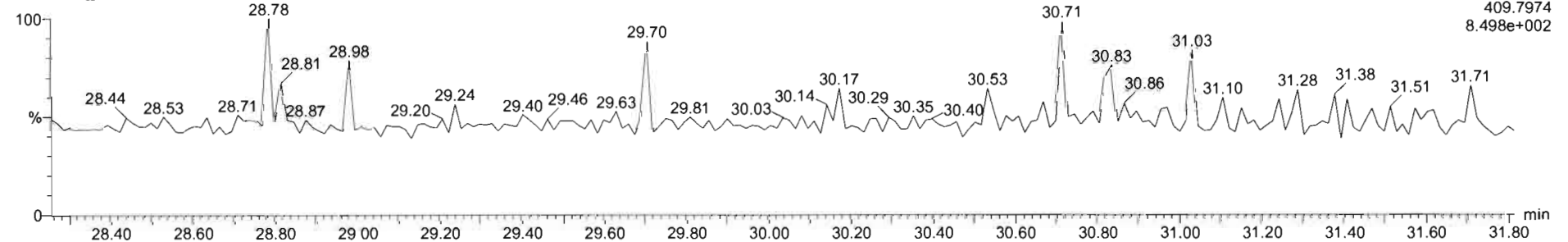
201203R2_1



F2:Voltage SIR,EI+
353.897
5.559e+006

DPE2

201203R2_1



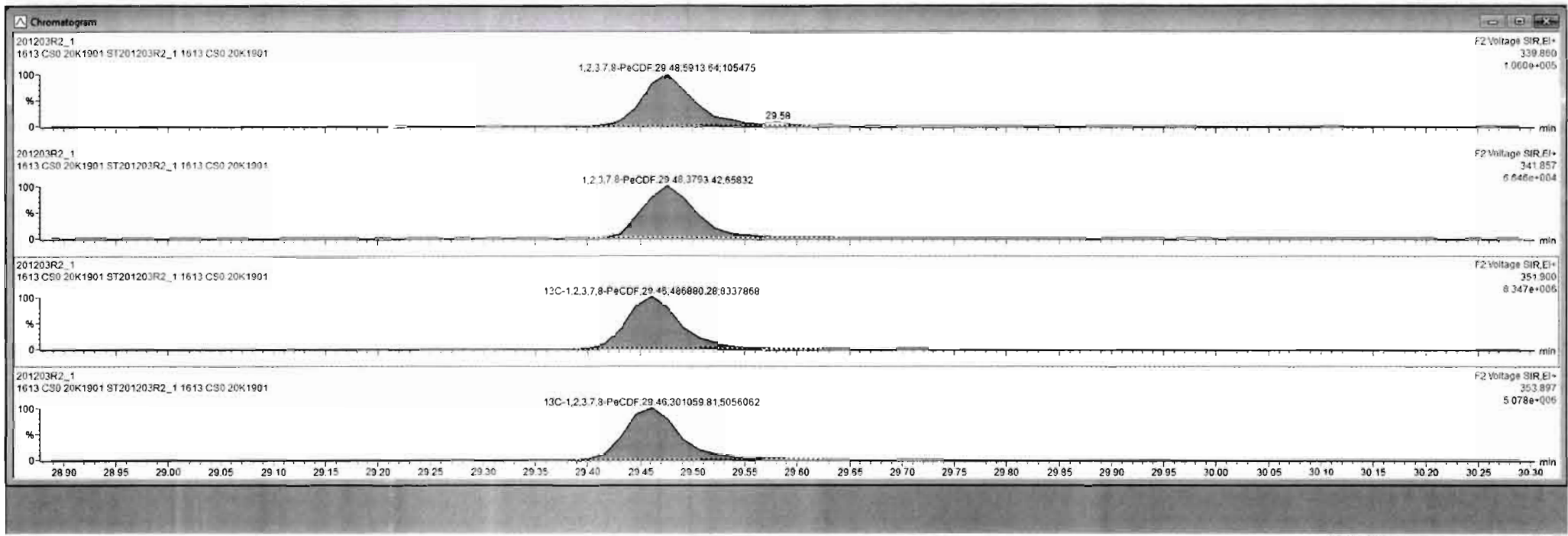
F2:Voltage SIR,EI+
409.7974
8.498e+002

TargetLynx - 201203R2_CRV.qld

File Edit View Display Processing Window Help

201203R2_1 - ST201203R2_1 1613 CS0 20K1901 - 1613 CS0 20K1901

Name	Resp	RA	xy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
9 1,2,3,7,8-PeCDF	9.71e3	1.58	NO	0.96	1.000	29.48	1.000	1.28	103	0.0334	1.28
10 2,3,4,7,8-PeCDF	1.08e4	1.52	NO	1.07	1.000	30.55	1.000	1.32	106	0.0280	1.33
11 1,2,3,4,7,8-HxCDF	8.18e3	1.29	NO	0.99	1.000	33.15	1.001	1.22	97.3	0.0645	1.22
12 1,2,3,6,7,8-HxCDF	7.32e3	1.27	NO	1.04	1.000	33.29	1.001	1.29	103	0.0598	1.29
13 2,3,4,6,7,8-HxCDF	6.57e3	1.25	NO	1.02	1.000	33.95	1.001	1.31	105	0.0726	1.31
14 1,2,3,7,8,9-HxCDF	5.61e3	1.28	NO	0.99	1.000	34.94	1.001	1.33	106	0.107	1.33
15 1,2,3,4,6,7,8-HpCDF	5.72e3	1.07	NO	1.05	1.000	36.49	1.000	1.28	102	0.0420	1.28
16 1,2,3,4,7,8,9-HpCDF	4.14e3	0.89	NO	1.18	1.000	38.55	1.000	1.28	102	0.0519	1.28
17 OCDF	7.18e3	0.93	NO	0.90	1.000	41.09	1.000	2.61	105	0.3981	2.62
18 13C-2,3,7,8-TCDD	7.27e5	0.77	NO	1.06	1.000	25.95	1.031	88.4	58.4	0.118	
19 13C-1,2,3,7,8-PeCDD	5.16e5	0.62	NO	0.78	1.000	30.73	1.219	84.3	84.3	0.347	
20 13C-1,2,3,4,7,8-HxCDD	3.55e5	1.26	NO	0.62	1.000	34.03	1.014	89.2	89.2	0.276	
21 13C-1,2,3,6,7,8-HxCDD	4.26e5	1.29	NO	0.73	1.000	34.16	1.018	90.7	90.7	0.234	
22 13C-1,2,3,7,8,9-HxCDD	4.19e5	1.25	NO	0.72	1.000	34.42	1.025	90.5	90.5	0.237	



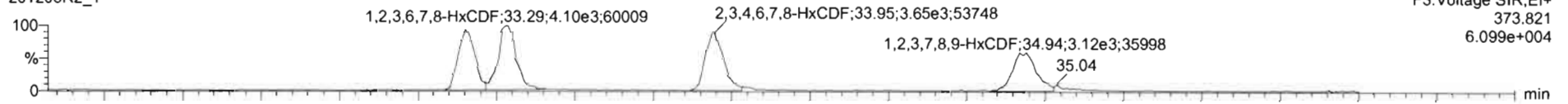
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

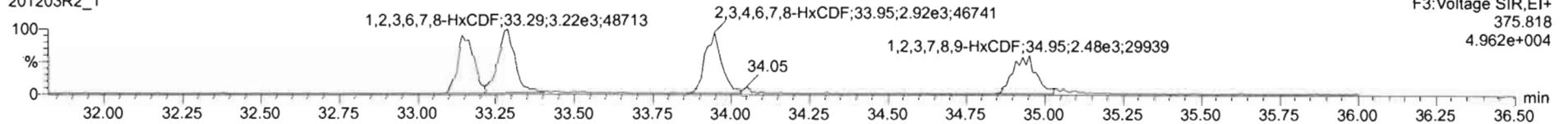
Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

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

201203R2_1

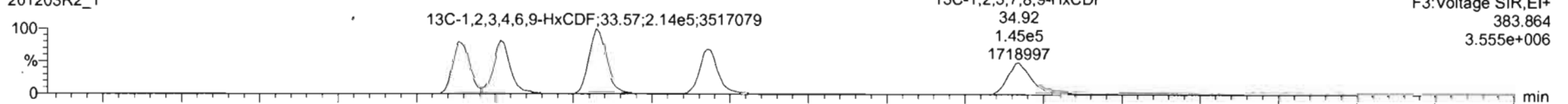


201203R2_1

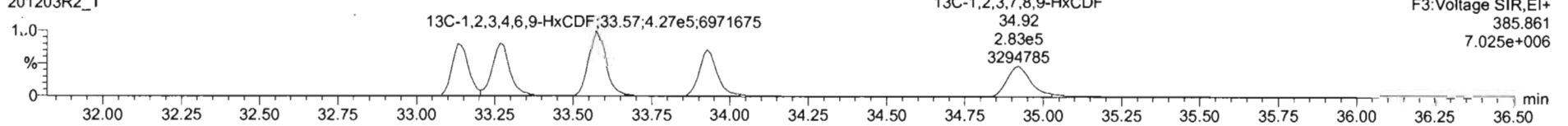


13C-1,2,3,4,7,8-HxCDF

201203R2_1

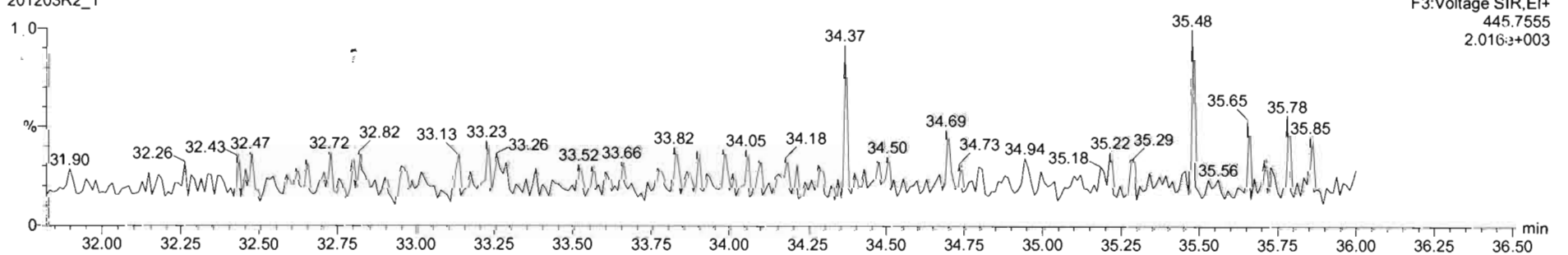


201203R2_1



DPE3

201203R2_1

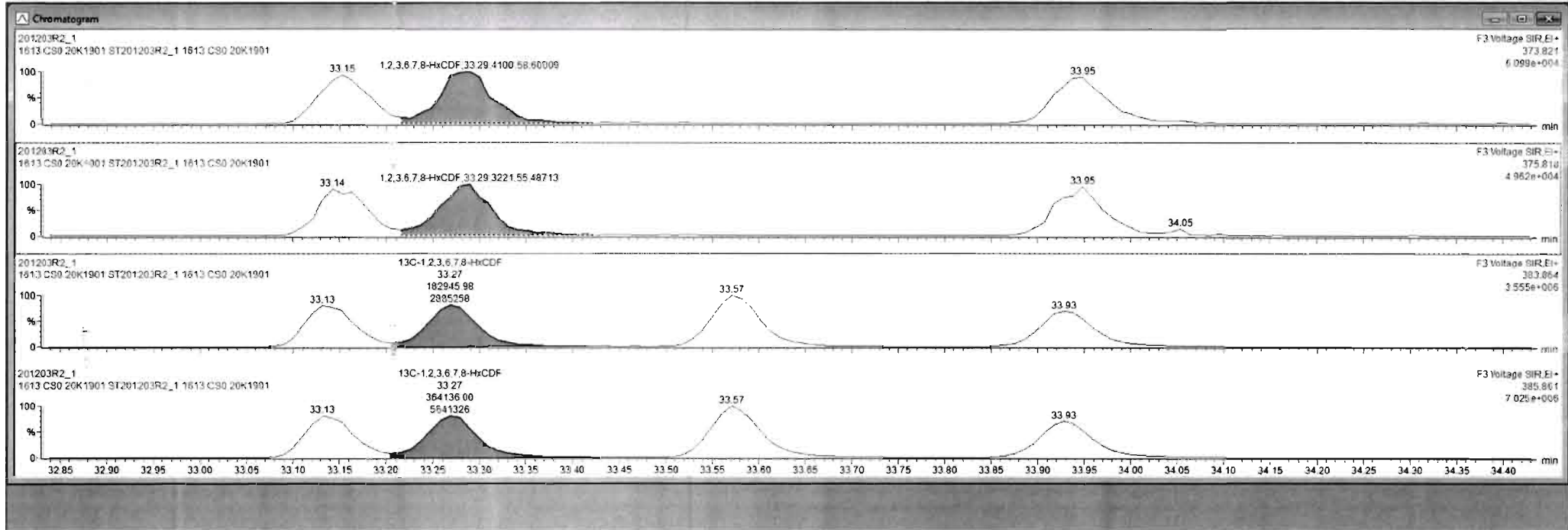


TargetLynx - 201203R2_CRV.qtd

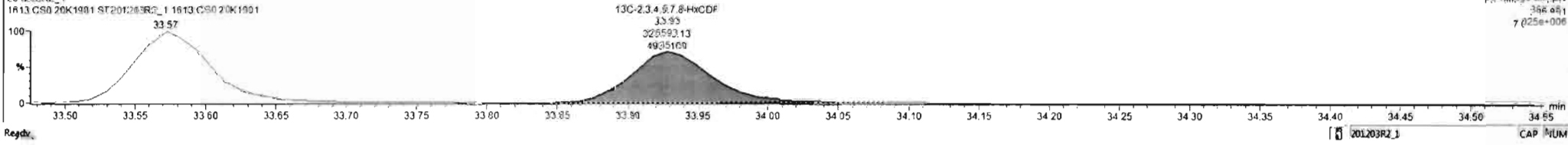
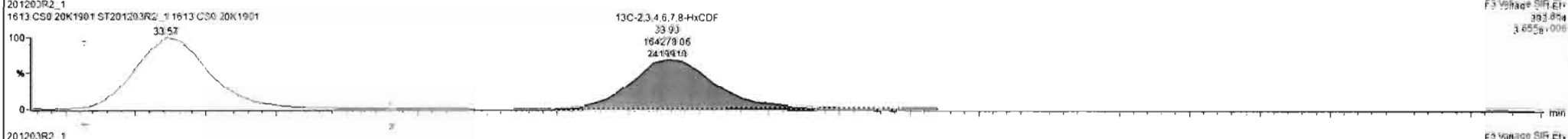
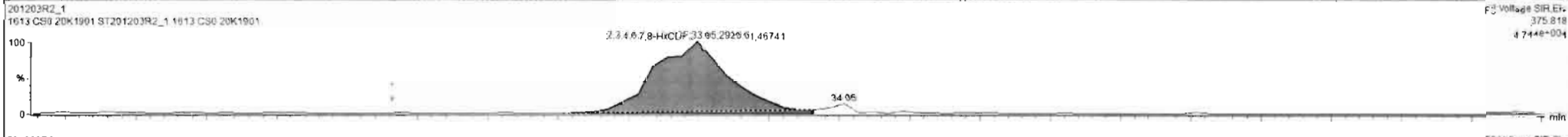
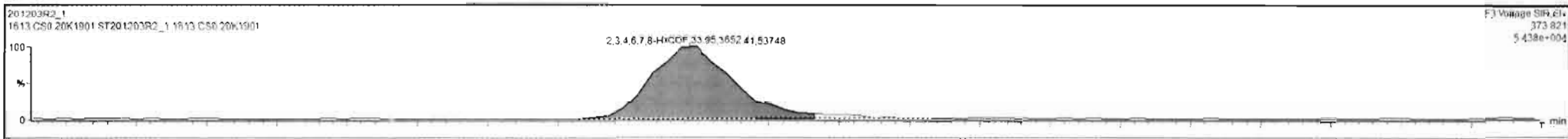
File Edit View Display Processing Window Help

201203R2_1 - ST201203R2_1 1613 CS0 20K1901 - 1613 CS0 20K1901

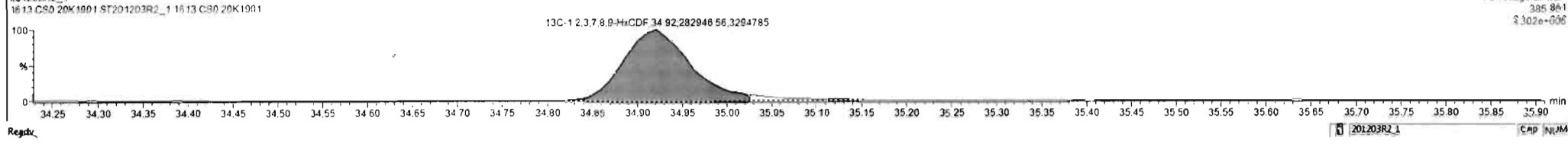
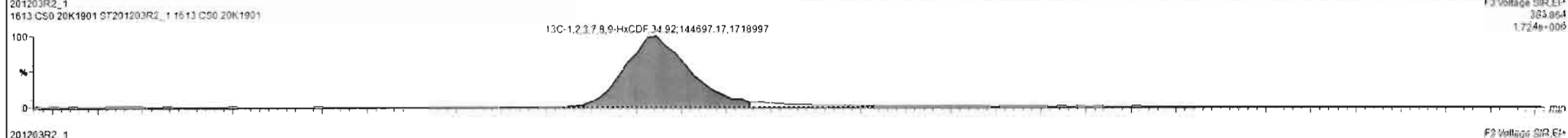
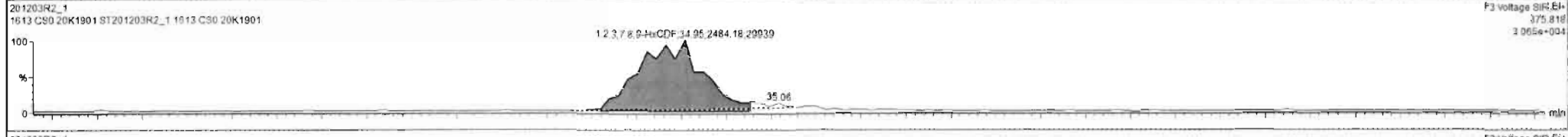
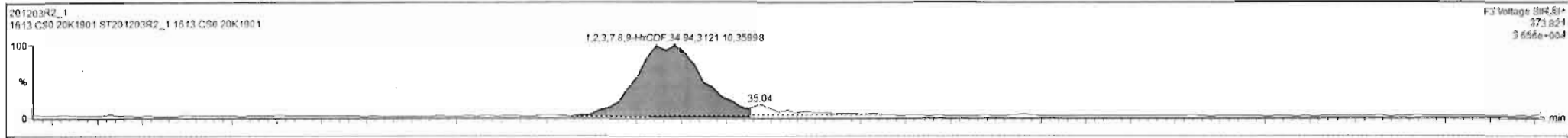
Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
9 1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.96	1.000	29.48	1.000	1.28	103	0.0234	1.28
10 2,3,4,7,8-PeCDF	1.08e4	1.52	NO	1.07	1.000	30.55	1.000	1.32	106	0.0280	1.33
11 1,2,3,4,7,8-HxCDF	6.18e3	1.29	NO	0.99	1.000	33.15	1.001	1.22	97.3	0.0845	1.22
12 1,2,3,6,7,8-HxCDF	7.32e3	1.27	NO	1.04	1.000	33.29	1.001	1.29	103	0.0558	1.29
13 2,3,4,6,7,8-HxCDF	6.57e3	1.25	NO	1.02	1.000	33.95	1.001	1.31	105	0.0726	1.31
14 1,2,3,7,8,9-HxCDF	5.81e3	1.26	NO	0.99	1.000	34.94	1.001	1.33	106	0.107	1.33
15 1,2,3,4,6,7,8-HpCDF	5.72e3	1.07	NO	1.05	1.000	36.43	1.000	1.28	102	0.0420	1.28
16 1,2,3,4,7,8,9-HpCDF	4.14e3	0.89	NO	1.18	1.000	38.55	1.000	1.28	102	0.0519	1.28
17 OCDF	7.18e3	0.93	NO	0.90	1.000	41.09	1.000	2.61	105	0.0981	2.62
18 13C-2,3,7,8-TCDD	7.27e5	0.77	NO	1.06	1.000	25.96	1.031	88.4	88.4	0.118	
19 13C-1,2,3,7,8-PeCDD	5.16e5	0.62	NO	0.78	1.000	30.73	1.219	84.3	84.3	0.347	
20 13C-1,2,3,4,7,8-HxCDD	3.55e5	1.26	NO	0.62	1.000	34.03	1.014	89.2	89.2	0.276	
21 13C-1,2,3,6,7,8-HxCDD	4.28e5	1.29	NO	0.73	1.000	34.16	1.018	90.7	90.7	0.234	
22 13C-1,2,3,7,8,9-HxCDD	4.19e5	1.25	NO	0.72	1.000	34.42	1.025	90.5	90.5	0.237	



#	Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc	NRec	Dt	EMPC
9	1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.96	1.000	29.48	1.000	1.28	103	0.0334	1.28
10	2,3,4,7,8-PeCDF	1.08e4	1.52	NO	1.07	1.000	30.55	1.000	1.32	106	0.0280	1.33
11	1,2,3,4,7,8-HxCDF	6.18e3	1.29	NO	0.99	1.000	33.15	1.001	1.22	97.3	0.0845	1.22
12	1,2,3,6,7,8-HxCDF	7.32e3	1.27	NO	1.04	1.000	33.29	1.001	1.29	103	0.0598	1.29
13	2,3,4,6,7,8-HxCDF	6.57e3	1.25	NO	1.02	1.000	33.05	1.001	1.31	105	0.0726	1.31
14	1,2,3,7,8,9-HxCDF	5.81e3	1.26	NO	0.99	1.000	34.94	1.001	1.33	106	0.107	1.33
15	1,2,3,4,6,7,8-HpCDF	5.72e3	1.07	NO	1.05	1.000	36.49	1.000	1.28	102	0.0420	1.28
16	1,2,3,4,7,8,9-HpCDF	4.14e3	0.89	NO	1.18	1.000	38.55	1.000	1.28	102	0.0519	1.28
17	OCDF	7.18e3	0.93	NO	0.90	1.000	41.09	1.000	2.61	105	0.0981	2.62
18	13C-2,3,7,8-TCDD	7.27e5	0.77	NO	1.06	1.000	25.98	1.031	86.4	84.4	0.118	
19	13C-1,2,3,7,8-PeCDD	5.16e5	0.62	NO	0.78	1.000	30.73	1.219	84.3	84.3	0.347	
20	13C-1,2,3,4,7,8-HxCDD	3.55e5	1.26	NO	0.62	1.000	34.03	1.014	89.2	89.2	0.276	
21	13C-1,2,3,6,7,8-HxCDD	4.26e5	1.29	NO	0.73	1.000	34.16	1.018	90.7	90.7	0.234	
22	13C-1,2,3,7,8,9-HxCDD	4.19e5	1.25	NO	0.72	1.000	34.42	1.025	90.5	90.5	0.237	



#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
9	1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.96	1.000	29.48	1.000	1.28	103	0.0334	1.28
10	2,3,4,7,8-PeCDF	1.08e4	1.52	NO	1.07	1.000	30.55	1.000	1.32	106	0.0280	1.33
11	1,2,3,4,7,8-HxCDF	6.18e3	1.29	NO	0.99	1.000	33.15	1.001	1.22	97.3	0.0645	1.22
12	1,2,3,6,7,8-HxCDF	7.32e3	1.27	NO	1.04	1.000	33.29	1.001	1.29	103	0.0598	1.29
13	2,3,4,6,7,8-HxCDF	6.57e3	1.25	NO	1.02	1.000	33.95	1.001	1.31	105	0.0726	1.31
14	1,2,3,7,8,9-HxCDF	5.61e3	1.28	NO	0.99	1.000	34.94	1.001	1.33	106	0.107	1.33
15	1,2,3,4,6,7,8-HpCDF	5.72e3	1.07	NO	1.05	1.000	36.09	1.000	1.28	102	0.0420	1.28
16	1,2,3,4,7,8,9-HpCDF	4.14e3	0.89	NO	1.18	1.000	38.55	1.000	1.28	102	0.0519	1.28
17	OCDF	7.18e3	0.93	NO	0.90	1.000	41.09	1.000	2.61	105	0.0981	2.62
18	13C-2,3,7,8-TCDD	7.27e5	0.77	NO	1.06	1.000	25.98	1.031	88.4	88.4	0.118	
19	13C-1,2,3,7,8-PeCDD	5.16e5	0.62	NO	0.78	1.000	30.73	1.219	84.3	84.3	0.347	
20	13C-1,2,3,4,7,8-HxCDD	3.55e5	1.26	NO	0.62	1.000	34.03	1.014	89.2	89.2	0.276	
21	13C-1,2,3,6,7,8-HxCDD	4.26e5	1.29	NO	0.73	1.000	34.16	1.018	90.7	90.7	0.234	
22	13C-1,2,3,7,8,9-HxCDD	4.19e5	1.25	NO	0.72	1.000	34.42	1.025	90.5	90.5	0.237	

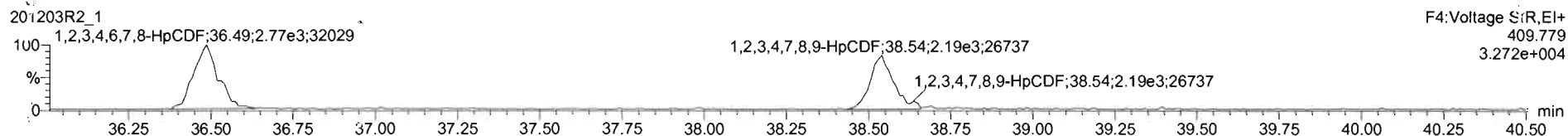
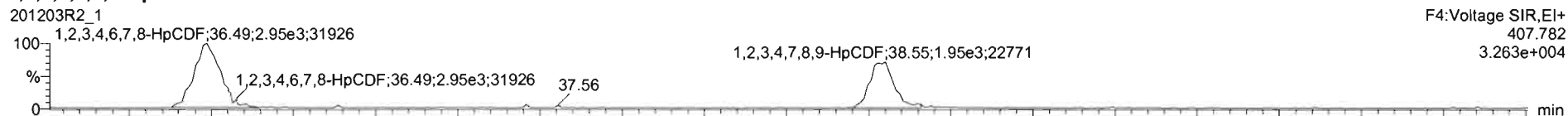


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

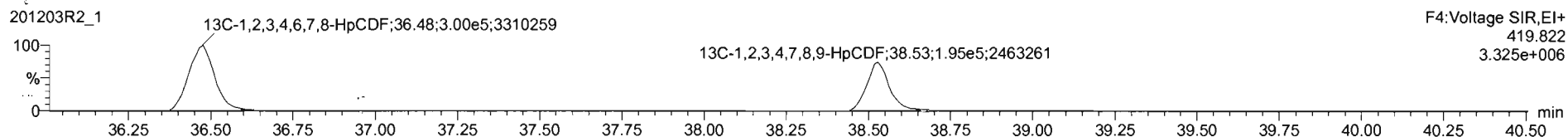
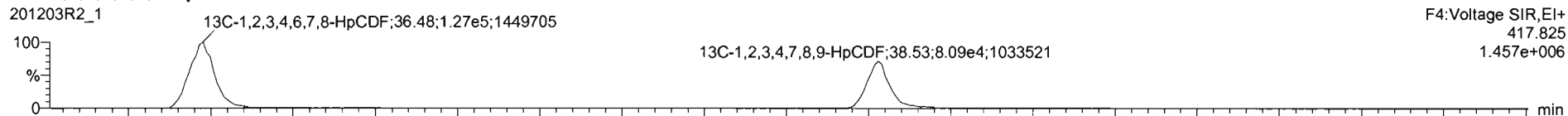
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

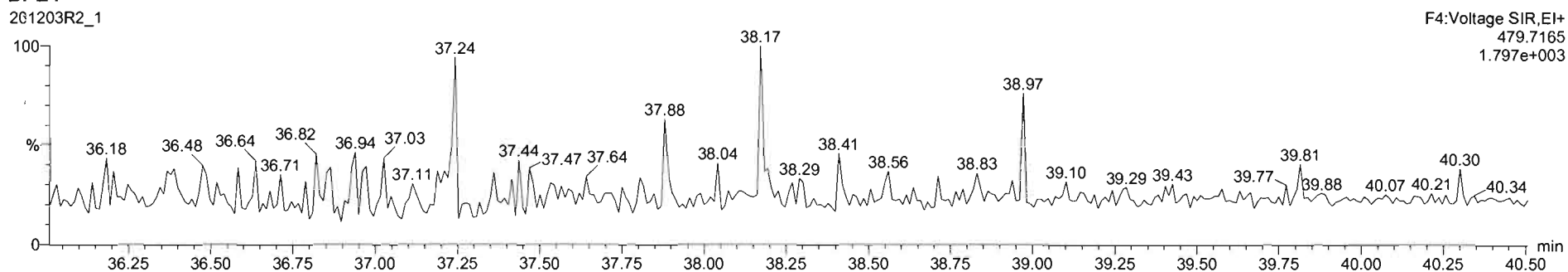
1,2,3,4,6,7,8-HpCDF

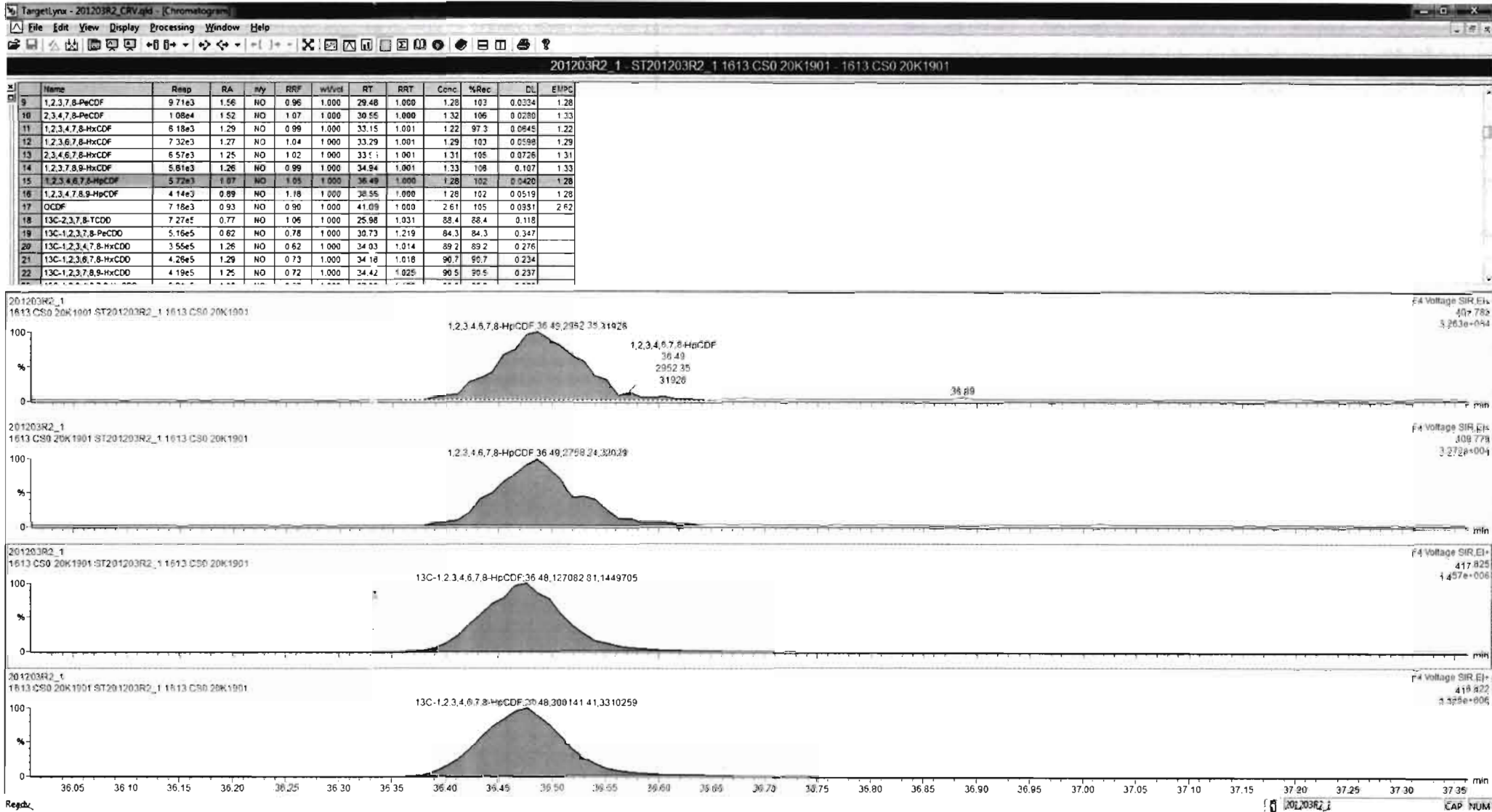


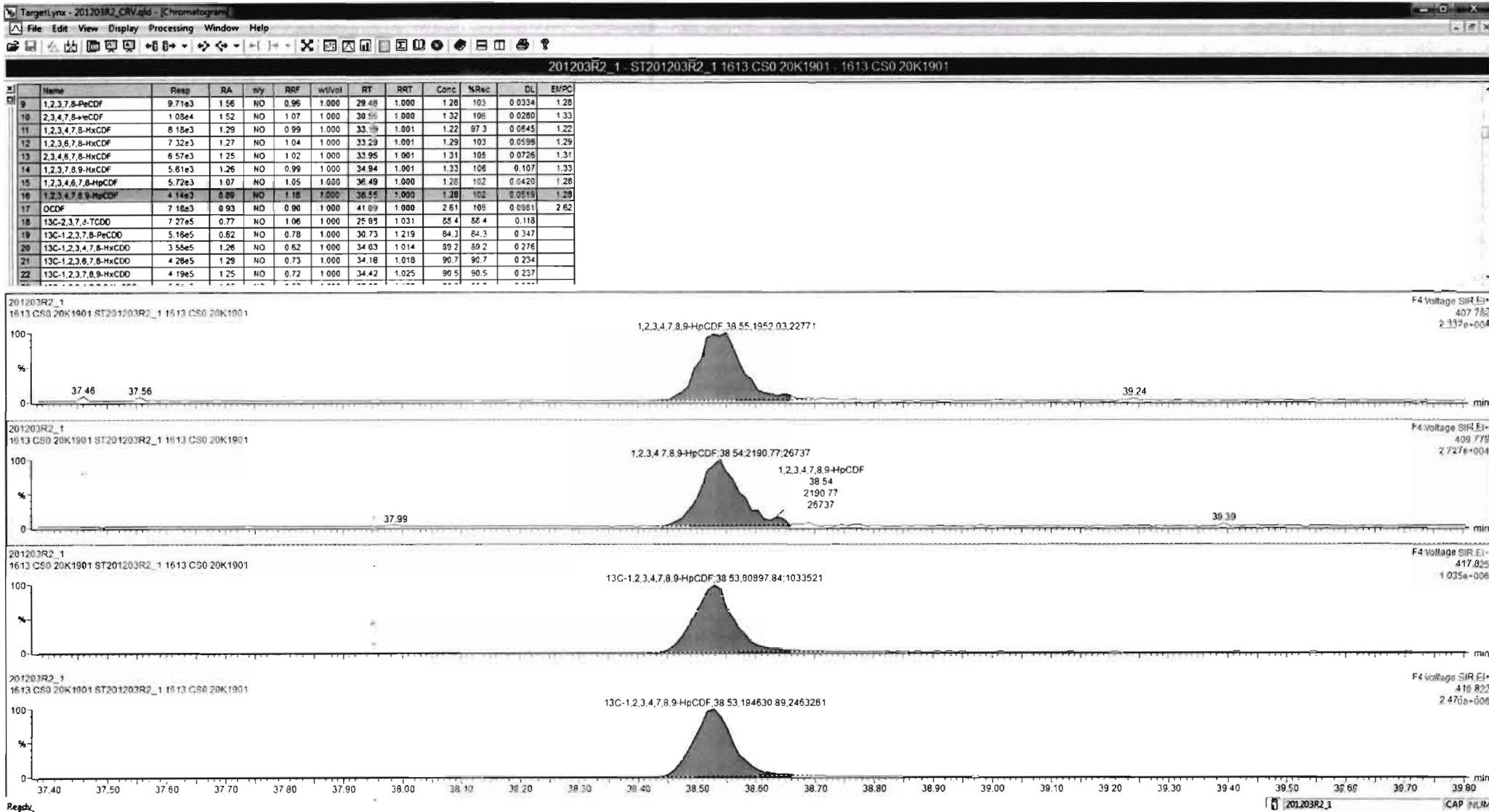
13C-1,2,3,4,6,7,8-HpCDF



DPE4





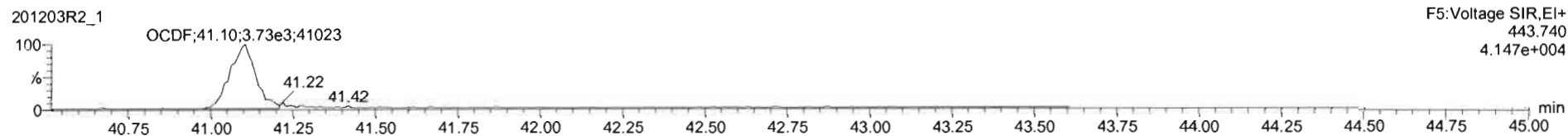
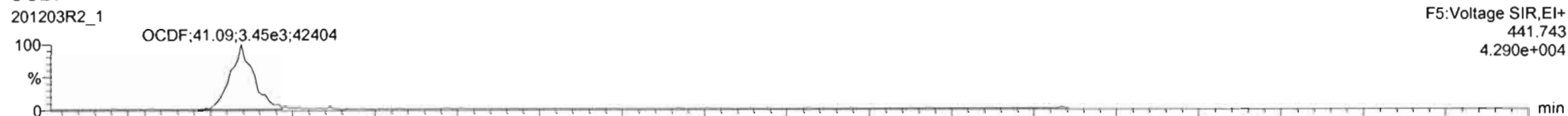


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

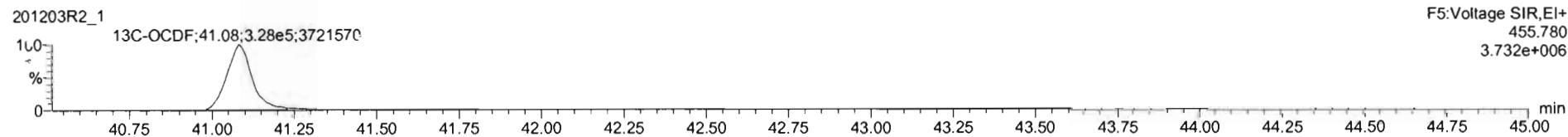
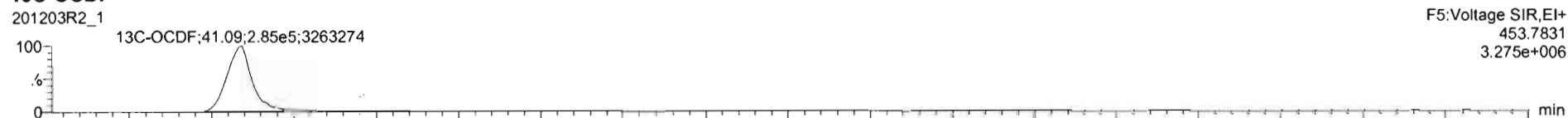
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

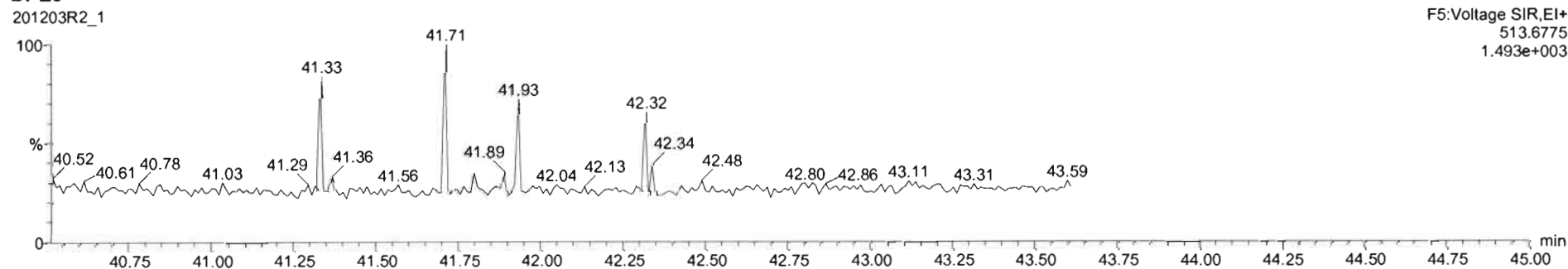
OCDF



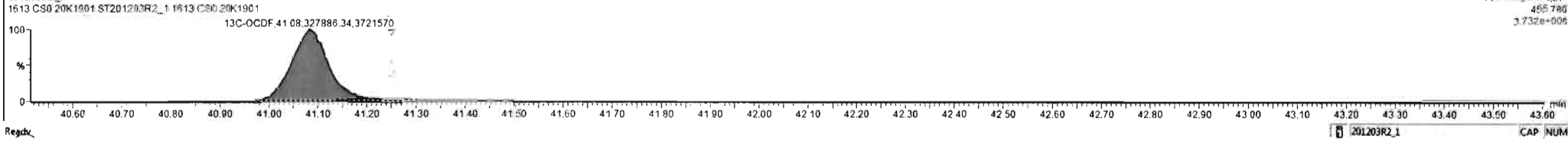
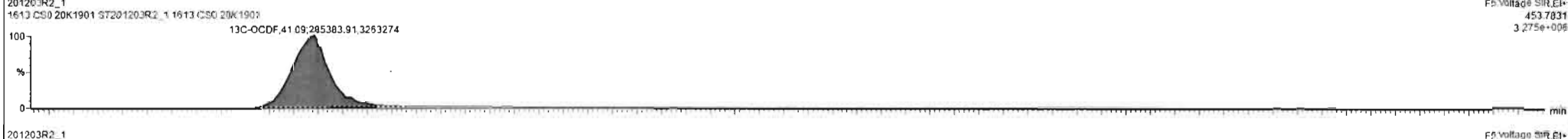
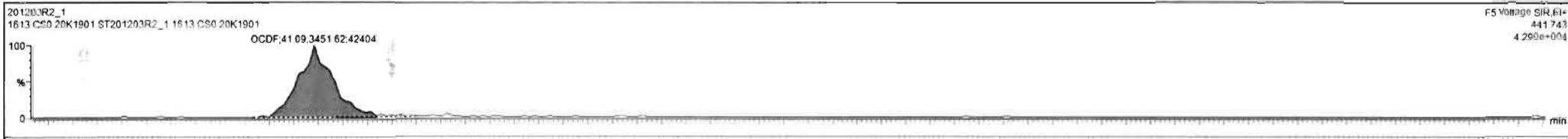
13C-OCDF



DPE5



#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
9	1,2,3,7,8-PeCDF	9.71e3	1.56	NO	0.96	1.000	29.48	1.000	1.28	103	0.0334	1.28
10	2,3,4,7,8-PeCDF	1.08e4	1.52	NO	1.07	1.000	30.55	1.001	1.32	106	0.0280	1.33
11	1,2,3,4,7,8-HxCDF	8.18e3	1.29	NO	0.99	1.000	33.15	1.001	1.22	97.3	0.0645	1.22
12	1,2,3,6,7,8-HxCDF	7.32e3	1.27	NO	1.04	1.000	33.29	1.001	1.29	103	0.0593	1.29
13	2,3,4,6,7,8-HxCDF	6.57e3	1.25	NO	1.02	1.000	33.95	1.001	1.31	105	0.0726	1.31
14	1,2,3,7,8,9-HxCDF	5.81e3	1.28	NO	0.99	1.000	34.94	1.001	1.33	106	0.107	1.33
15	1,2,3,4,6,7,8-HpCDF	5.72e3	1.07	NO	1.05	1.000	36.49	1.000	1.28	102	0.0420	1.28
16	1,2,3,4,7,8,9-HpCDF	4.14e3	0.89	NO	1.18	1.000	38.55	1.000	1.28	102	0.0519	1.28
17	OCDF	7.18e3	0.93	NO	0.90	1.000	41.09	1.000	2.61	105	0.0951	2.62
18	13C-2,3,7,8-TCDD	7.27e5	0.77	NO	1.06	1.000	25.98	1.031	88.4	88.4	0.118	
19	13C-1,2,3,7,8-PeCDD	5.16e5	0.62	NO	0.78	1.000	30.73	1.219	84.3	84.3	0.347	
20	13C-1,2,3,4,7,8-HxCDD	3.55e5	1.26	NO	0.62	1.000	34.03	1.014	89.2	89.2	0.276	
21	13C-1,2,3,6,7,8-HxCDD	4.26e5	1.29	NO	0.73	1.000	34.16	1.018	90.7	90.7	0.234	
22	13C-1,2,3,7,8,9-HxCDD	4.19e5	1.25	NO	0.72	1.000	34.42	1.025	90.5	90.5	0.237	



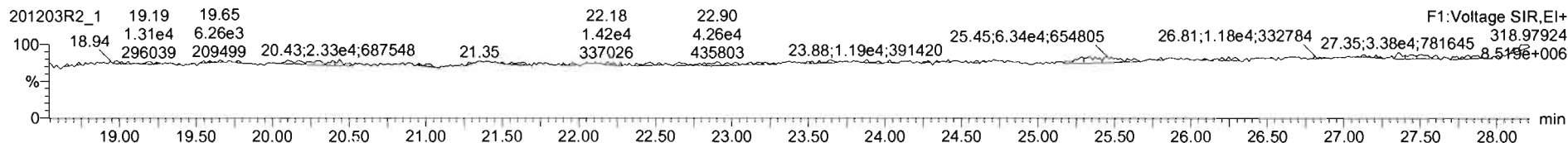
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

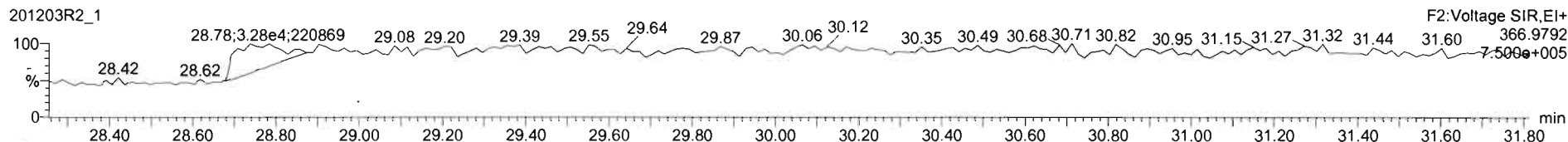
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_1, Date: 03-Dec-2020, Time: 10:36:45, ID: ST201203R2_1 1613 CS0 20K1901, Description: 1613 CS0 20K1901

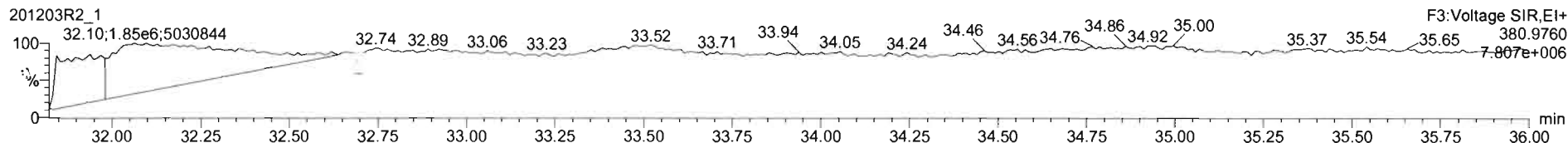
PFK1



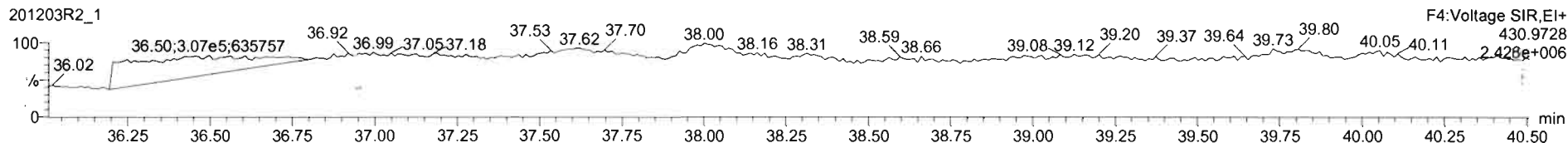
PFK2



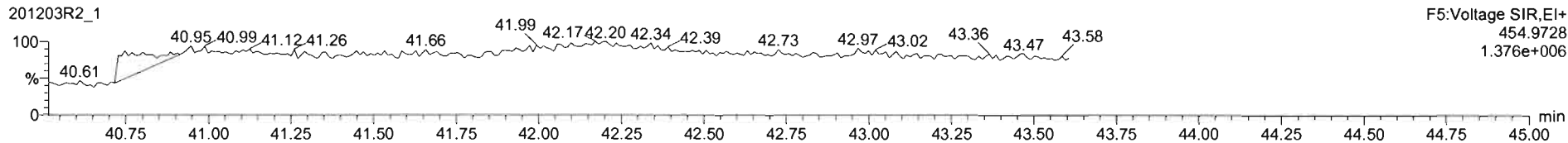
PFK3



PFK4



PFK5



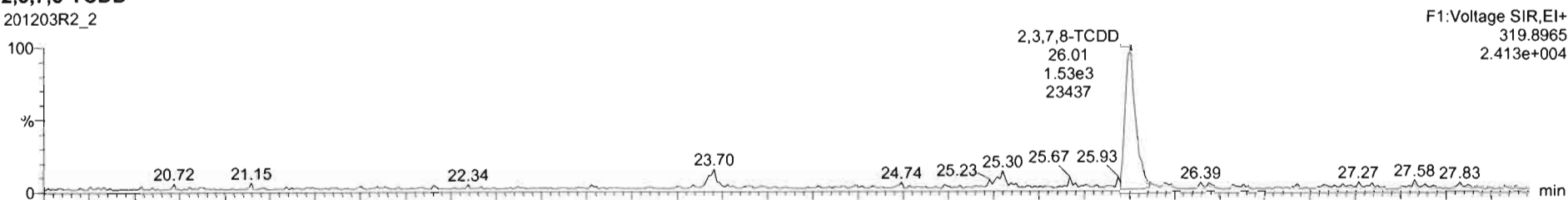
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

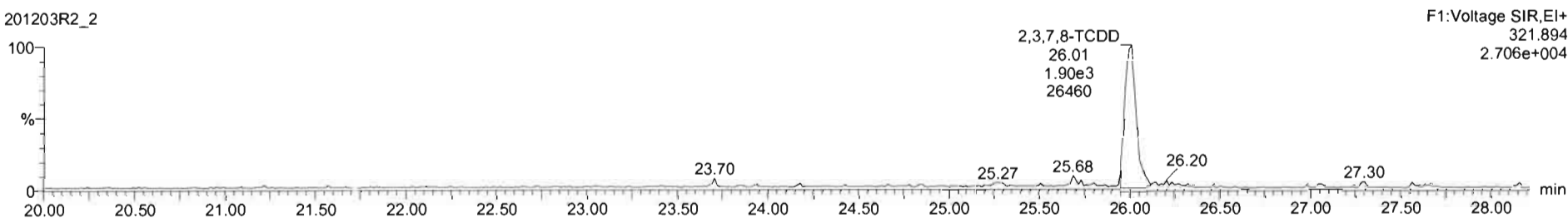
Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

2,3,7,8-TCDD

201203R2_2

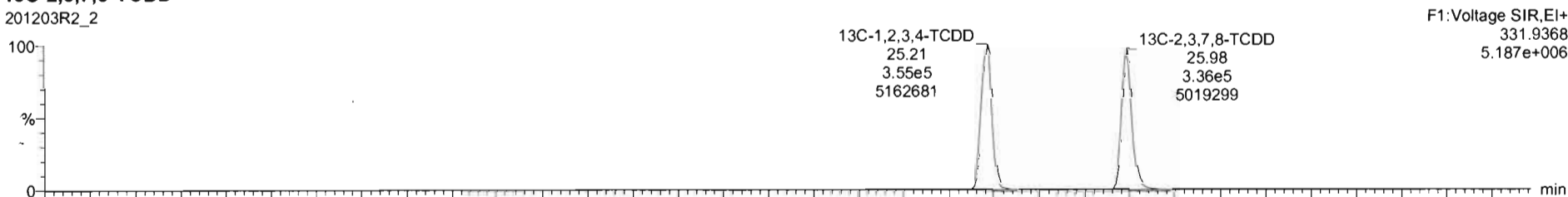


201203R2_2

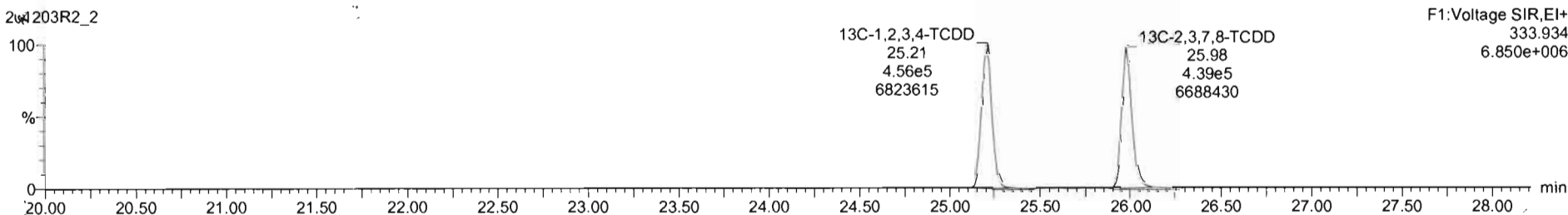


13C-2,3,7,8-TCDD

201203R2_2

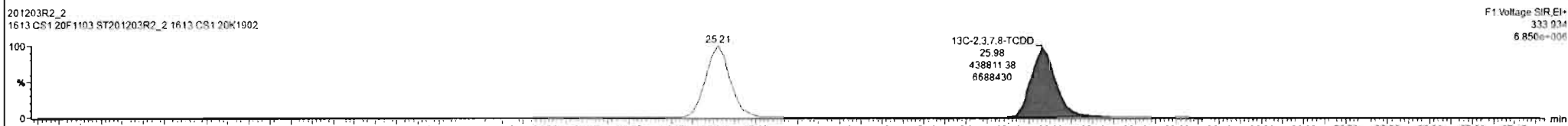
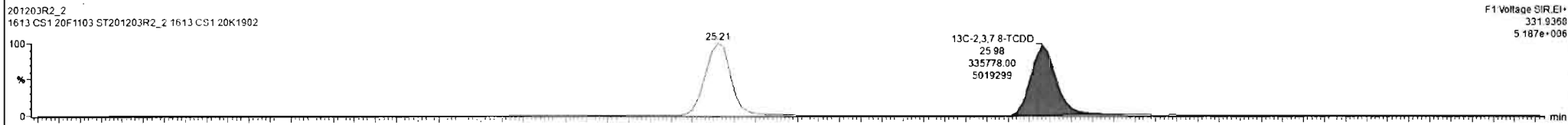
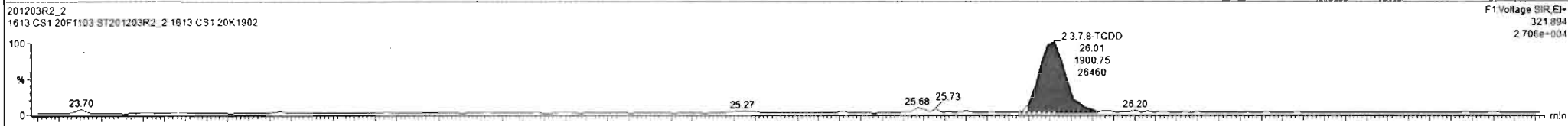
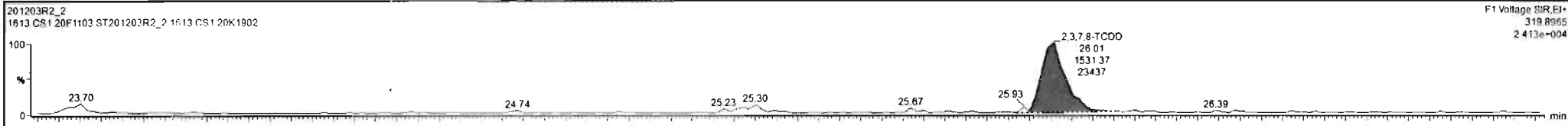


201203R2_2



201203R2_2 - ST201203R2_2 1613 CS1 20K1902 - 1613 CS1 20K1902

Name	Resp	RA	nHy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	3.43e3	0.81	NO	0.98	1.000	26.01	1.001	0.452	96.4	0.0227	0.452
2 1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.76	1.001	2.28	91.7	0.0238	2.28
3 1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.06	1.001	2.22	69.0	0.0426	2.22
4 1,2,3,6,7,8-HxCDD	9.36e3	1.17	NO	0.90	1.000	34.19	1.001	2.28	91.2	0.0427	2.28
5 1,2,3,7,8,9-HxCDD	1.00e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6 1,2,3,4,6,7,8-HpCDD	7.18e3	1.06	NO	0.92	1.000	37.92	1.000	2.32	92.6	0.0791	2.32
7 OCDD	1.11e4	0.89	NO	0.87	1.000	40.63	1.000	4.43	88.8	0.0812	4.43
8 2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.30	1.001	0.442	88.5	0.0134	0.442
9 1,2,3,7,8-PeCDF	1.84e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	90.3	0.0424	2.26
10 2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.18	86.3	0.0379	2.18
11 1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.16	1.001	2.21	88.4	0.0494	2.21
12 1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.29	1.000	2.23	89.2	0.0473	2.23
13 2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.96	1.001	2.19	87.7	0.0522	2.19
14 1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.04	1.000	2.19	87.6	0.0855	2.19



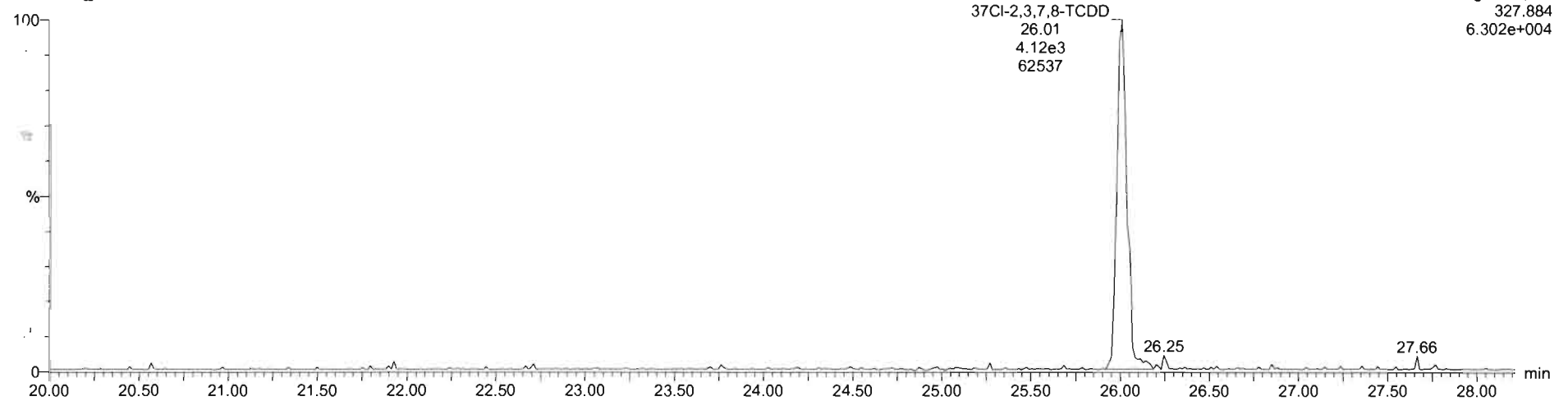
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

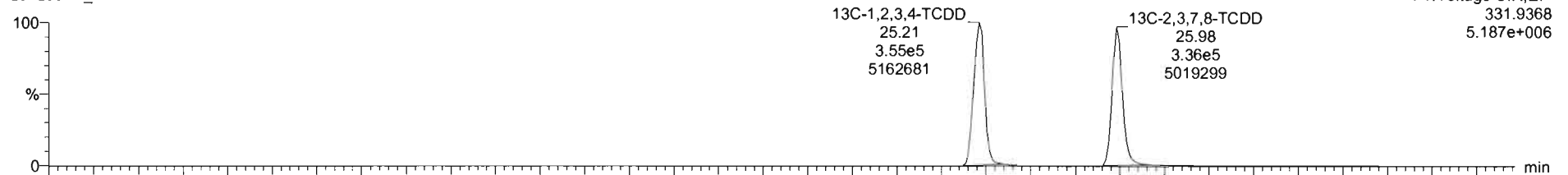
37Cl-2,3,7,8-TCDD

201203R2_2

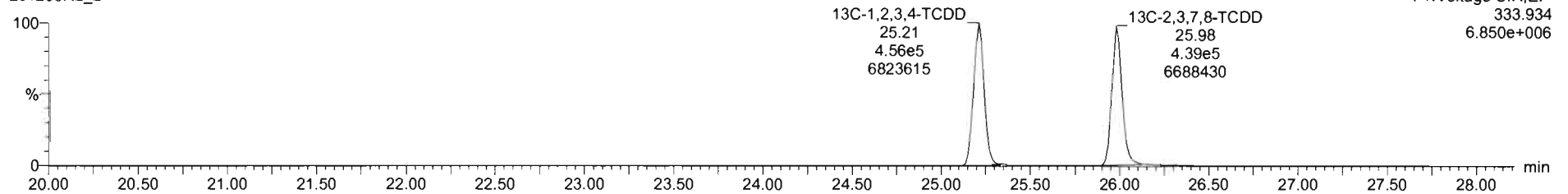


13C-1,2,3,4-TCDD

201203R2_2



201203R2_2



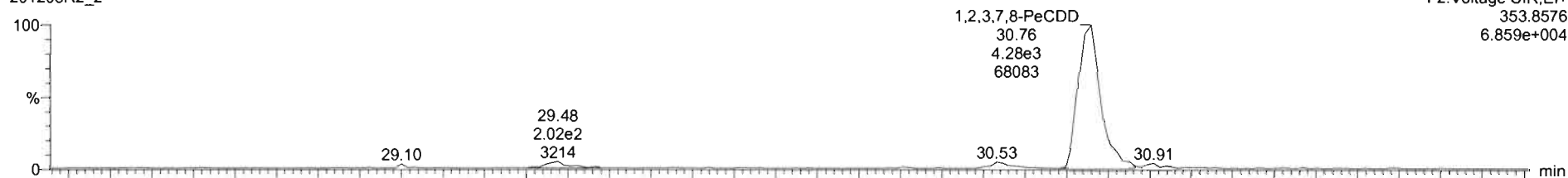
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

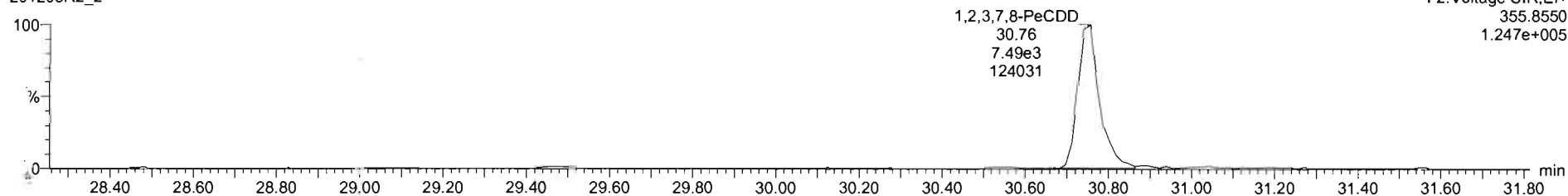
Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

1,2,3,7,8-PeCDD

201203R2_2

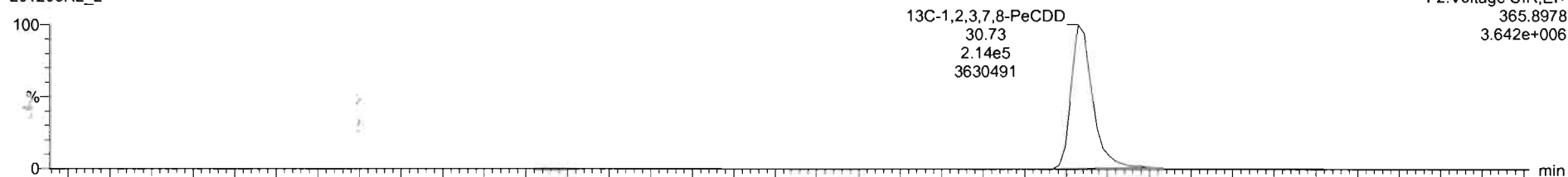


201203R2_2

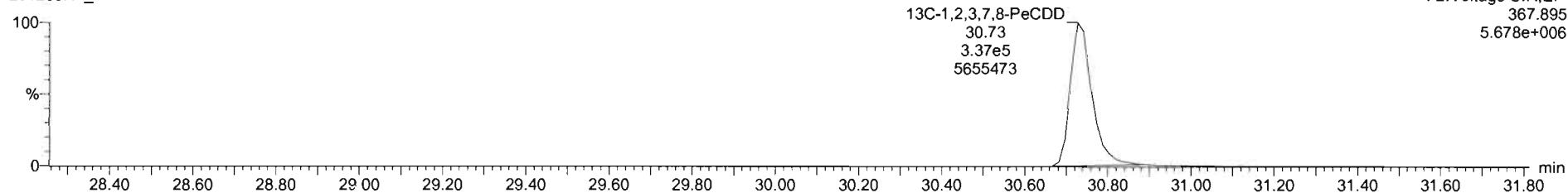


13C-1,2,3,7,8-PeCDD

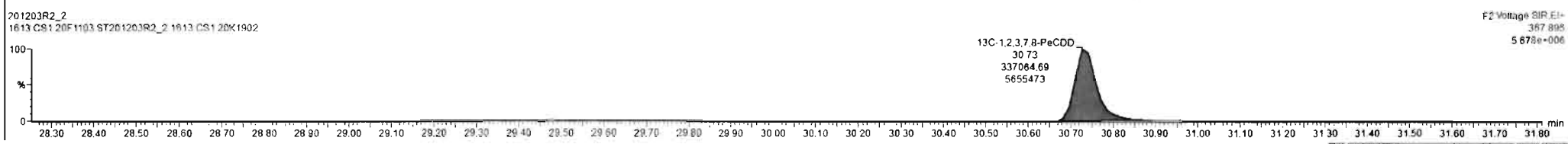
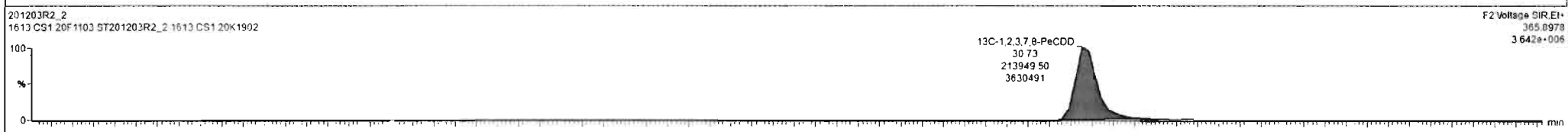
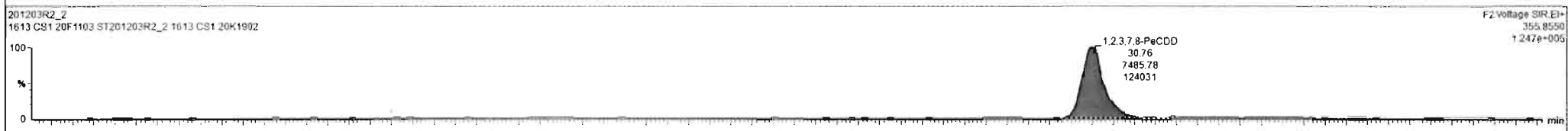
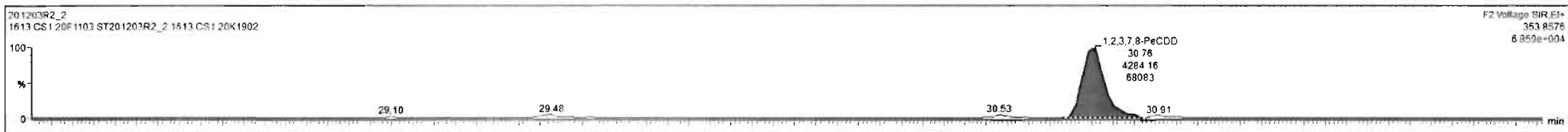
201203R2_2



201203R2_2



#	Name	Resp	RA	n/y	RRP	wf/wd	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.43e3	0.81	NO	0.98	1.000	26.01	1.001	0.452	90.4	0.0227	0.452
2	1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.76	1.001	2.29	91.7	0.0298	2.29
3	1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.06	1.001	2.22	89.0	0.0426	2.22
4	1,2,3,6,7,8-HxCDD	9.36e3	1.17	NO	0.90	1.000	34.19	1.001	2.28	91.2	0.0427	2.28
5	1,2,3,7,8,9-HxCDD	1.00e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6	1,2,3,4,6,7,8-HpCDD	7.18e3	1.06	NO	0.92	1.000	37.92	1.000	2.32	92.8	0.0791	2.32
7	OCDD	1.11e4	0.89	NO	0.87	1.000	40.83	1.000	4.43	88.6	0.0812	4.43
8	2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.30	1.001	0.442	88.5	0.0134	0.442
9	1,2,3,7,8-PeCDF	1.84e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	90.3	0.0424	2.26
10	2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.16	88.3	0.0379	2.16
11	1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.11	1.001	2.21	88.4	0.0494	2.21
12	1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.39	1.000	2.23	89.2	0.0473	2.23
13	2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.51	1.001	2.19	87.7	0.0522	2.19
14	1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.94	1.000	2.19	87.8	0.0555	2.19



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

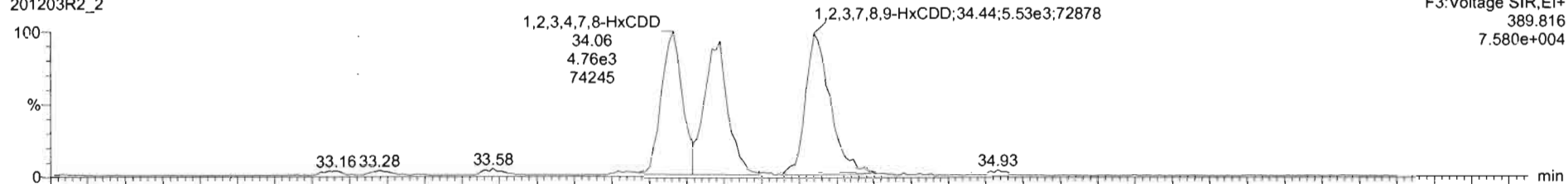
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

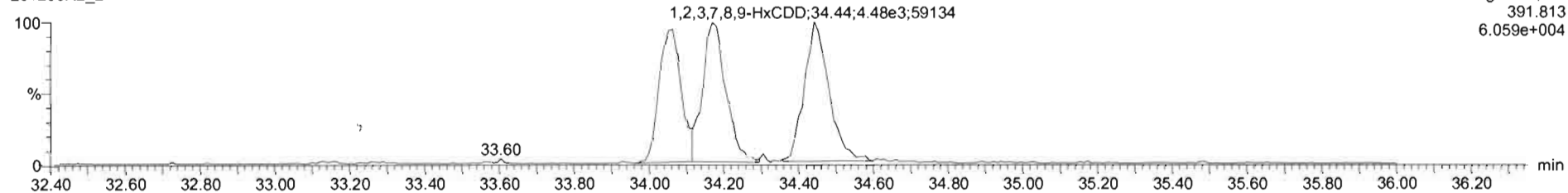
Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

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

201203R2_2

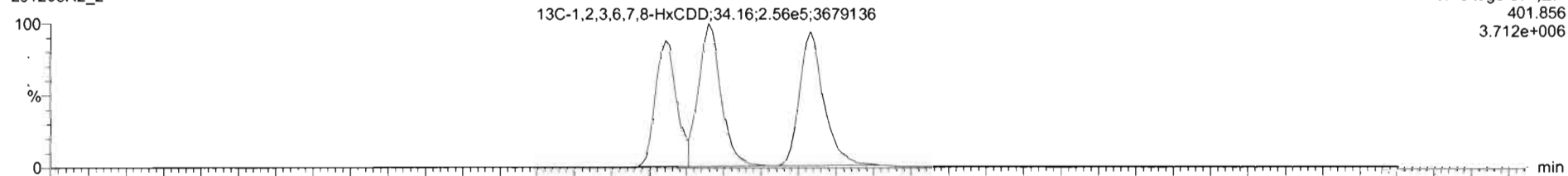


201203R2_2

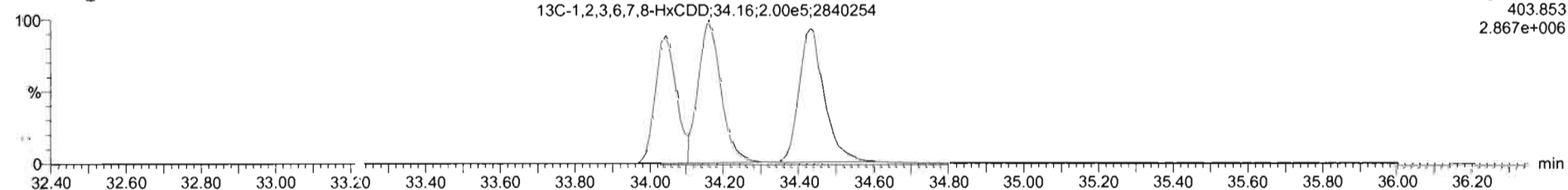


13C-1,2,3,4,7,8-HxCDD

201203R2_2

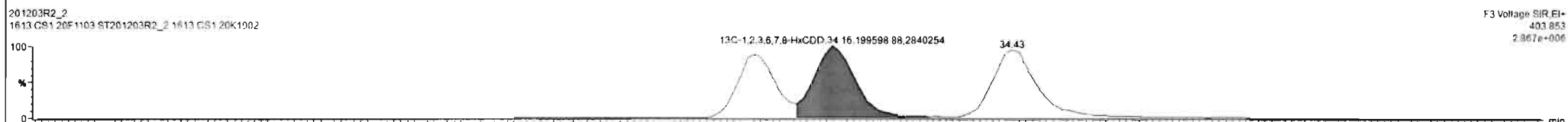
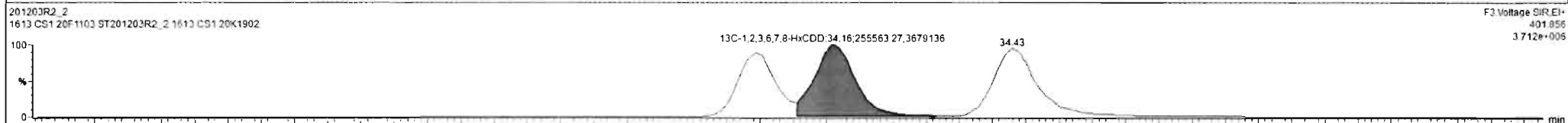
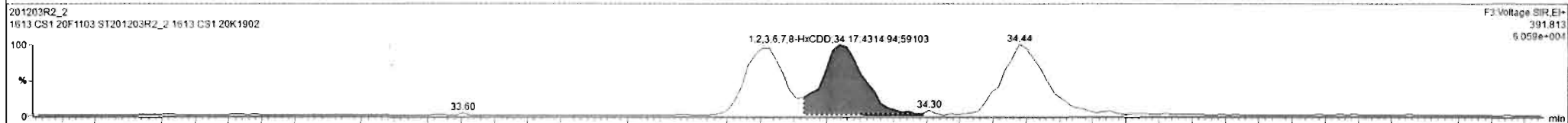
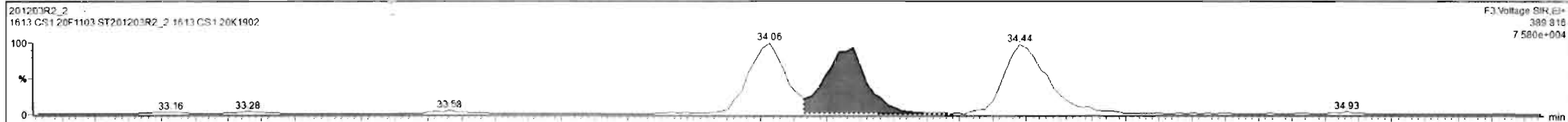


201203R2_2

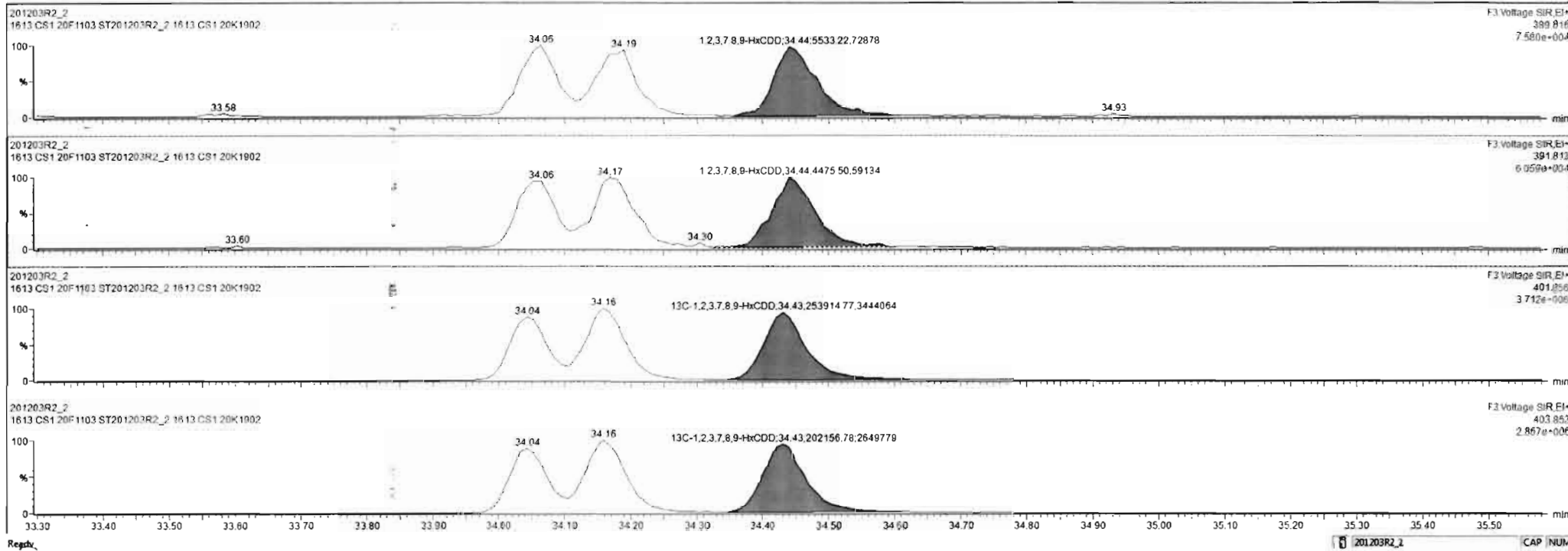


201203R2_2 - ST201203R2_2 1613 CS1 20K1902 1613 CS1 20K1902

Name	Resp	RA	rvy	RRF	wVvol	RT	RRT	Conc	%Rec	Cl	EMPC
1 2,3,7,8-TCDD	3.43e3	0.81	NO	0.98	1.000	26.01	1.001	0.452	99.4	0.0227	0.452
2 1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.75	1.001	2.29	91.7	0.0298	2.29
3 1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.08	1.001	2.22	89.0	0.0428	2.22
4 1,2,3,6,7,8-HxCDD	9.36e3	1.17	NO	0.90	1.000	34.19	1.001	2.28	91.2	0.0427	2.28
5 1,2,3,7,8,9-HxCDD	1.06e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6 1,2,3,4,6,7,8-HpCDD	7.18e3	1.06	NO	0.92	1.000	37.92	1.000	2.32	92.8	0.0791	2.32
7 OCDD	1.11e4	0.89	NO	0.87	1.000	40.63	1.000	4.43	98.8	0.0812	4.43
8 2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.30	1.001	0.442	88.5	0.0134	0.442
9 1,2,3,7,8-PeCDF	1.64e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	96.3	0.0424	2.26
10 2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.16	86.3	0.0379	2.16
11 1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.16	1.001	2.21	88.4	0.0494	2.21
12 1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.29	1.000	2.23	89.2	0.0473	2.23
13 2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.98	1.001	2.19	87.7	0.0522	2.19
14 1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.94	1.000	2.19	67.6	0.0855	2.19



#	Name	Resp	RA	rvy	RRF	wt/wst	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.43e3	0.81	NO	0.98	1.000	26.01	1.001	0.452	90.4	0.0227	0.452
2	1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.76	1.001	2.29	91.7	0.0299	2.29
3	1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.06	1.001	2.22	89.0	0.0428	2.22
4	1,2,3,6,7,8-HxCDD	9.36e3	1.17	NO	0.90	1.000	34.19	1.001	2.26	91.2	0.0427	2.26
5	1,2,3,7,8,9-HxCDD	1.05e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6	1,2,3,4,6,7,8-HpCDD	7.18e3	1.06	NO	0.92	1.000	37.92	1.000	2.32	92.8	0.0791	2.32
7	OCDD	1.11e4	0.89	NO	0.87	1.000	40.83	1.000	4.43	88.6	0.0812	4.43
8	2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.20	1.001	0.442	89.5	0.0134	0.442
9	1,2,3,7,8-PeCDF	1.84e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	90.3	0.0424	2.26
10	2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.16	88.3	0.0379	2.16
11	1,2,3,4,7,8-HxCDF	1.29e4	1.16	NO	0.99	1.000	33.16	1.001	2.21	88.4	0.0494	2.21
12	1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.29	1.000	2.23	89.2	0.0473	2.23
13	2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.96	1.001	2.19	87.7	0.0522	2.19
14	1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.94	1.000	2.19	87.6	0.0555	2.19



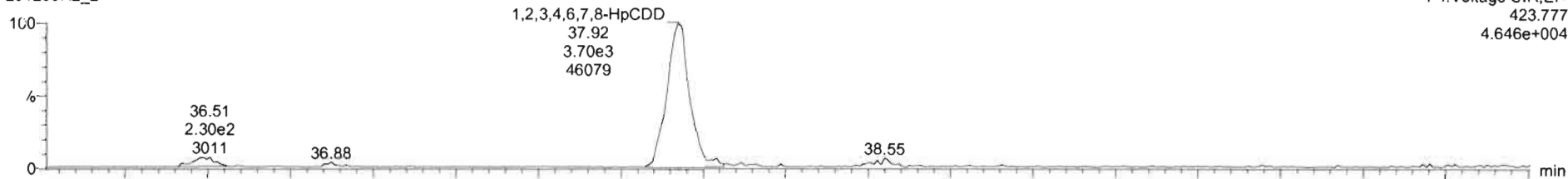
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

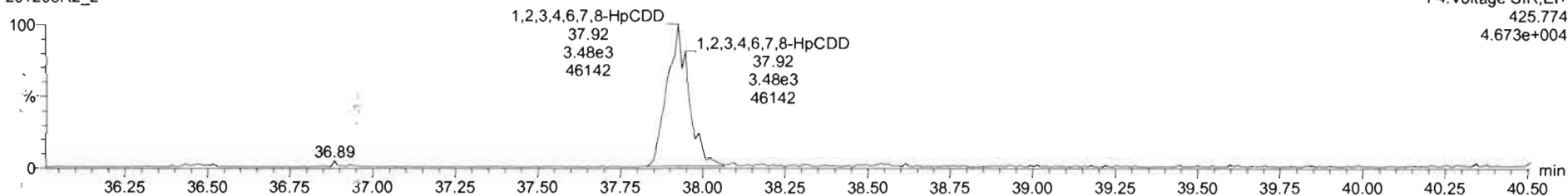
Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

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

2C1203R2_2

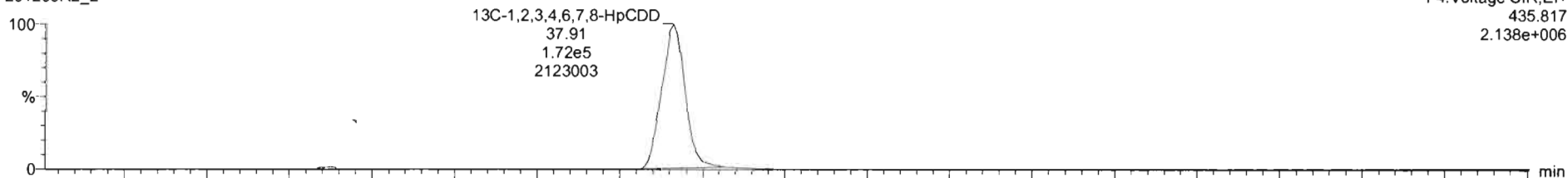


201203R2_2

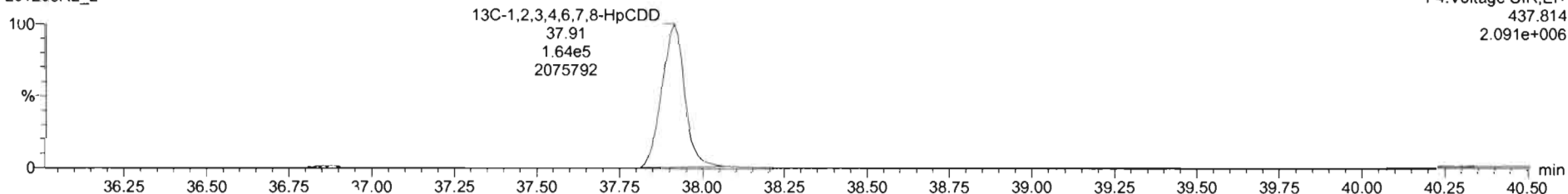


13C-1,2,3,4,6,7,8-HpCDD

201203R2_2

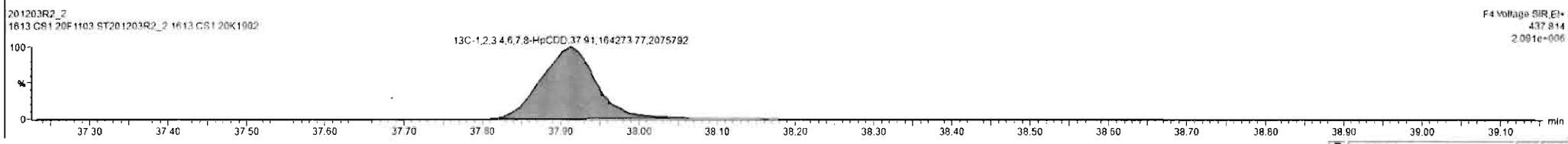
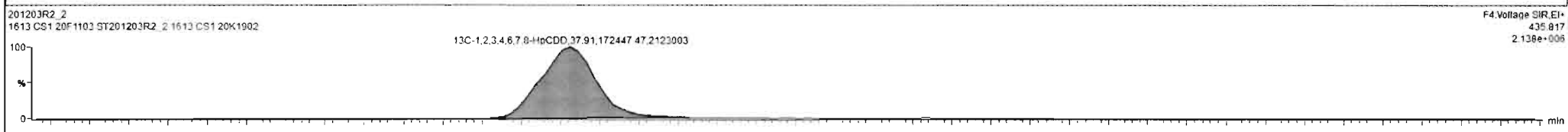
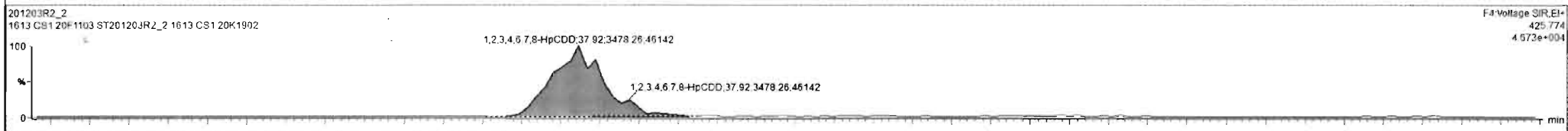
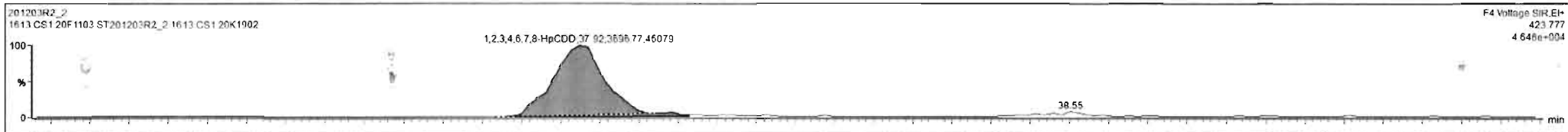


201203R2_2



201203R2_2 - ST201203R2_2 1613 CS1 20K1902 - 1613 CS1 20K1902

#	Name	Resp	RA	nly	RRF	wUVvl	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.43e3	0.81	NO	0.98	1.000	28.01	1.001	0.452	99.4	0.0227	0.452
2	1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.76	1.001	2.29	91.7	0.0298	2.28
3	1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.06	1.001	2.22	89.0	0.0428	2.22
4	1,2,3,6,7,8-HxCDD	9.36e3	1.17	NO	0.90	1.000	34.19	1.001	2.28	91.2	0.0427	2.28
5	1,2,3,7,8,9-HxCDD	1.05e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6	1,2,3,4,6,7,8-HpCDD	7.18e3	1.06	NO	0.92	1.000	37.92	1.000	2.32	92.8	0.0791	2.32
7	OCDD	1.11e4	0.89	NO	0.87	1.000	40.63	1.000	4.43	88.5	0.0812	4.43
8	2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.30	1.001	0.442	88.5	0.0134	0.442
9	1,2,3,7,8-PeCDF	1.84e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	90.3	0.0424	2.26
10	2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.16	86.3	0.0378	2.16
11	1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.16	1.001	2.21	89.4	0.0494	2.21
12	1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.29	1.000	2.23	89.2	0.0473	2.23
13	2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.90	1.001	2.19	87.7	0.0522	2.19
14	1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.94	1.000	2.19	87.8	0.0855	2.19



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

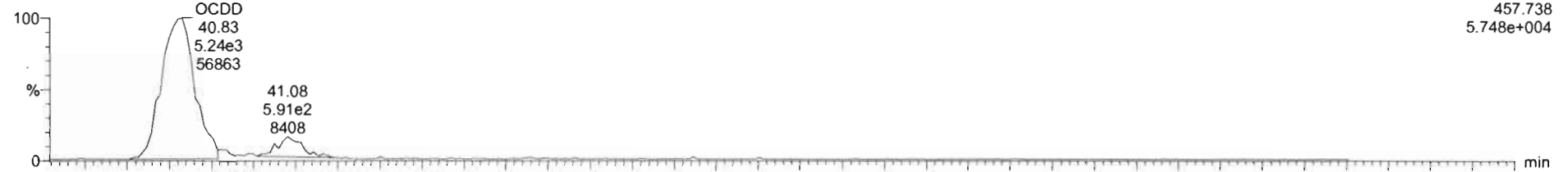
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

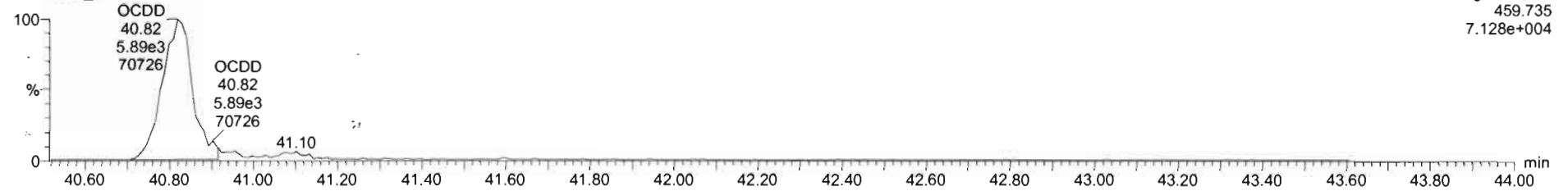
Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

OCDD

201203R2_2

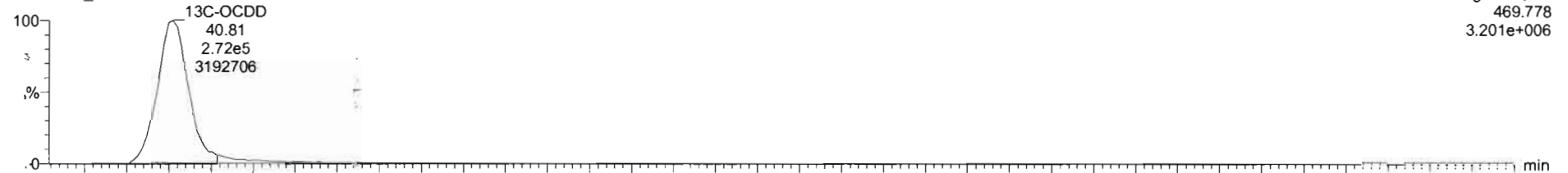


201203R2_2

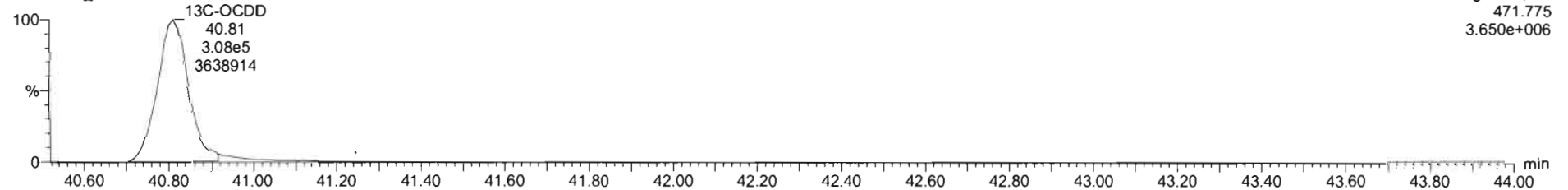


13C-OCDD

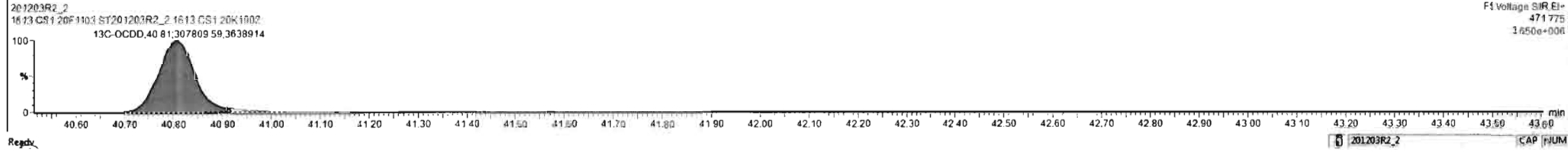
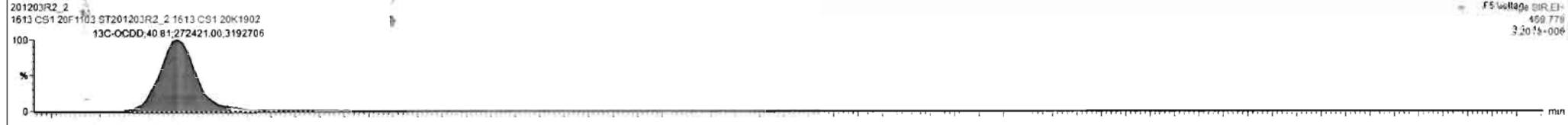
201203R2_2



201203R2_2



#	Name	Resp	RA	n/y	RRF	wtwei	RT	RRT	Conc	%Rec	DL	ElrPC
1	2,3,7,8-TCDD	3.43e3	0.81	NO	0.98	1.000	26.01	1.001	0.452	90.4	0.0227	0.452
2	1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.76	1.001	2.29	91.7	0.0298	2.29
3	1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.08	1.001	2.22	89.0	0.0426	2.22
4	1,2,3,6,7,8-HxCDD	9.36e3	1.17	NO	0.90	1.000	34.19	1.001	2.28	91.2	0.0427	2.28
5	1,2,3,7,8,9-HxCDD	1.00e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6	1,2,3,4,6,7,8-HpCDD	7.18e3	1.06	NO	0.92	1.000	37.92	1.000	2.32	92.8	0.0791	2.32
7	OCDD	1.11e4	0.89	NO	0.87	1.000	40.83	1.000	4.43	88.6	0.0612	4.43
8	2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.30	1.001	0.442	88.5	0.0134	0.442
9	1,2,3,7,8-PeCDF	1.84e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	90.3	0.0424	2.26
10	2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.56	1.000	2.16	88.3	0.0379	2.16
11	1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.16	1.001	2.21	88.4	0.0494	2.21
12	1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.29	1.000	2.23	89.2	0.0473	2.23
13	2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.98	1.001	2.19	87.7	0.0522	2.19
14	1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.67	1.000	2.19	87.6	0.0855	2.19



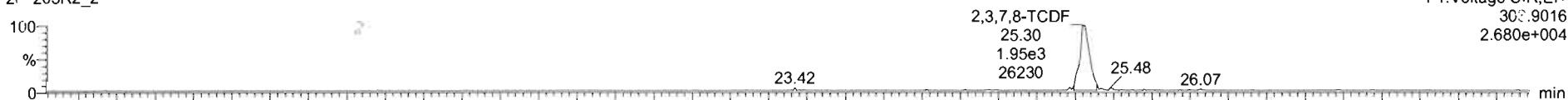
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

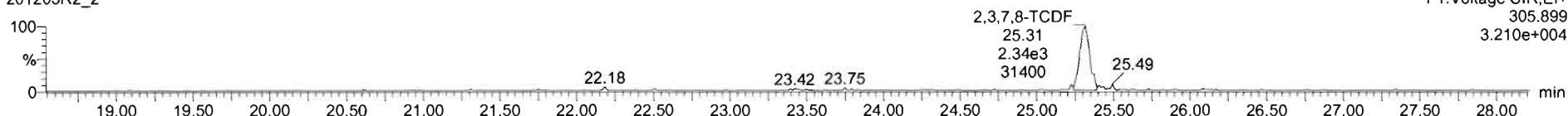
Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

2,3,7,8-TCDF

201203R2_2

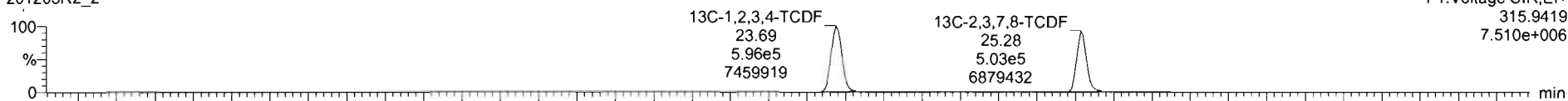


201203R2_2

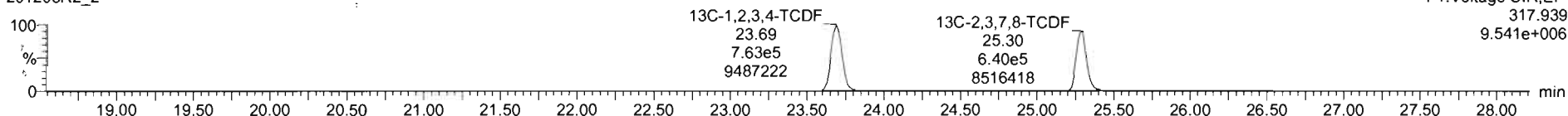


13C-2,3,7,8-TCDF

201203R2_2

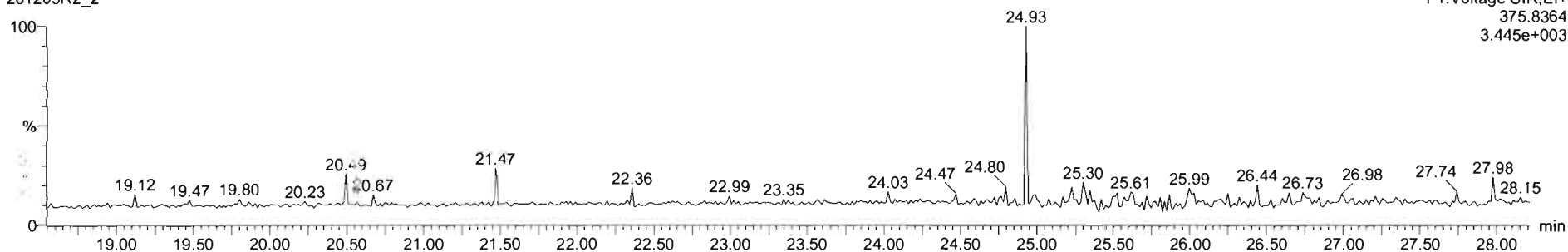


201203R2_2



D1E1

201203R2_2

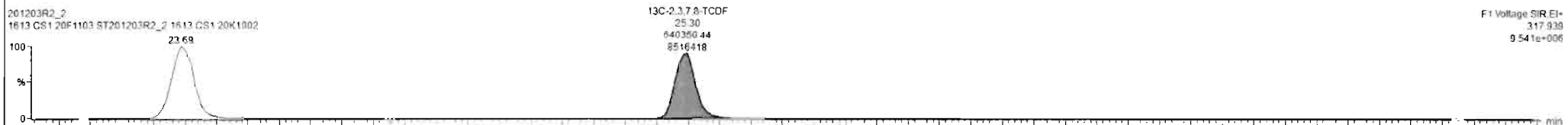
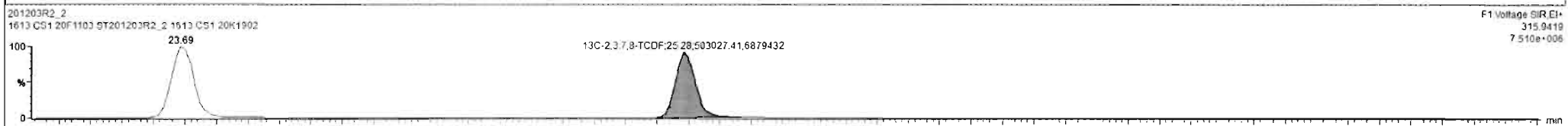
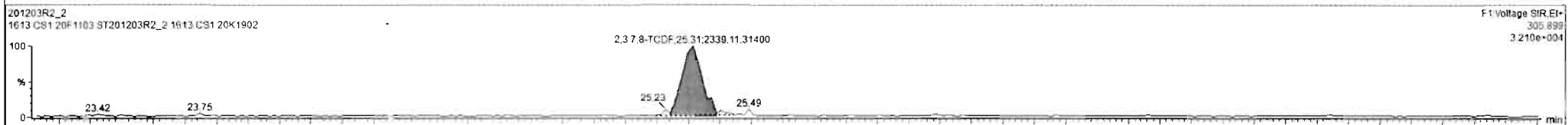
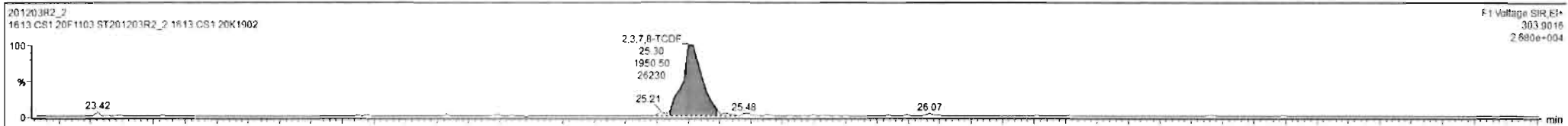


TargetLynx - 201203R2_CRV.gld - [Chromatogram]

File Edit View Display Processing Window Help

201203R2_2 - ST201203R2_2 1613 CS1 20K1902 - 1613 CS1 20K1902

Name	Resp	RA	ny	RRF	wt/vol	R	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDF	3.43e3	0.81	NO	0.98	1.000	26.07	1.001	0.452	90.4	0.0227	0.452
2 1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.75	1.001	2.29	91.7	0.0298	2.29
3 1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.06	1.001	2.22	89.0	0.0426	2.22
4 1,2,3,6,7,8-HxCDD	9.26e3	1.17	NO	0.90	1.000	34.19	1.001	2.28	91.2	0.0427	2.28
5 1,2,3,7,8,9-HxCDD	1.00e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6 1,2,3,4,6,7,8-HpCDD	7.18e3	1.06	NO	0.92	1.000	37.12	1.000	2.32	92.8	0.0791	2.32
7 OCDD	1.11e4	0.89	NO	0.87	1.000	40.83	1.000	4.43	89.6	0.0812	4.43
8 2,3,7,8-TCDF	4.29e3	0.83	NO	0.95	1.000	25.30	1.001	0.442	88.5	0.0134	0.442
9 1,2,3,7,8-PeCDF	1.84e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	90.3	0.0424	2.26
10 2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.16	86.3	0.0379	2.16
11 1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.16	1.001	2.21	88.4	0.0494	2.21
12 1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.29	1.000	2.23	89.2	0.0473	2.23
13 2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.98	1.001	2.19	87.7	0.0522	2.19
14 1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.94	1.000	2.19	87.6	0.0855	2.19



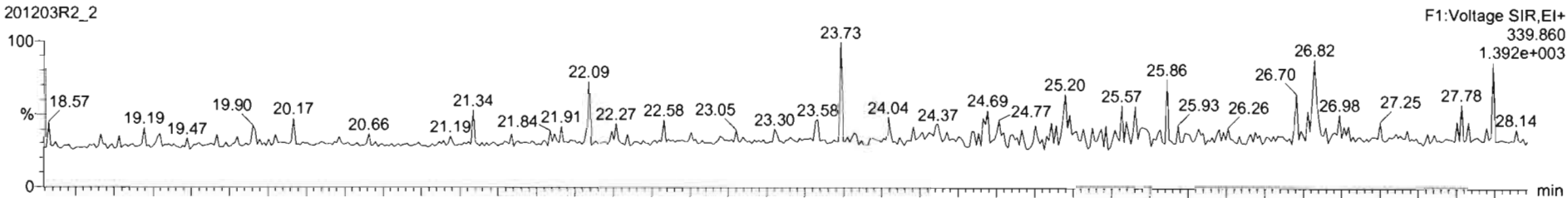
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

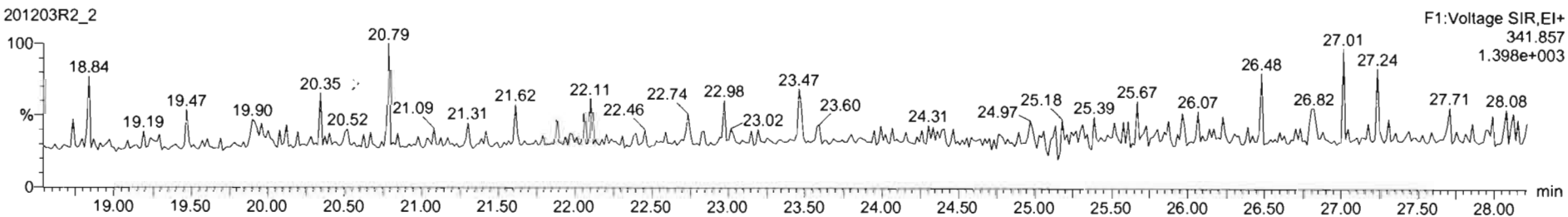
Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

1st Func. Penta-Furans

201203R2_2

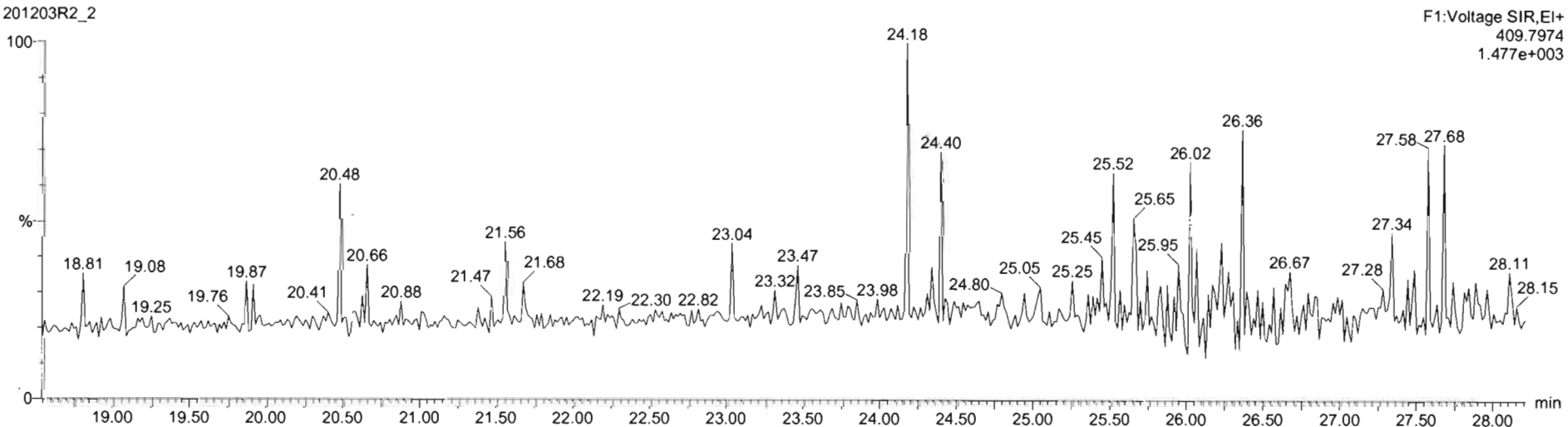


201203R2_2



DPE6

201203R2_2



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

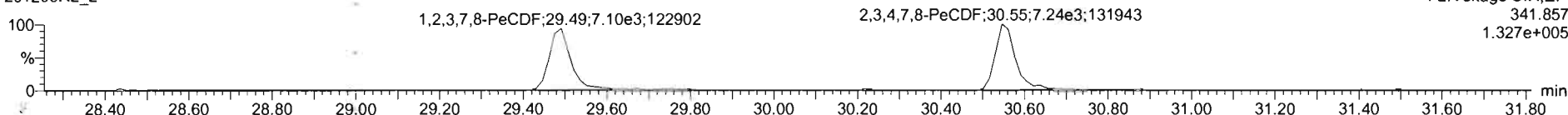
Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

1,2,3,7,8-PeCDF

201203R2_2

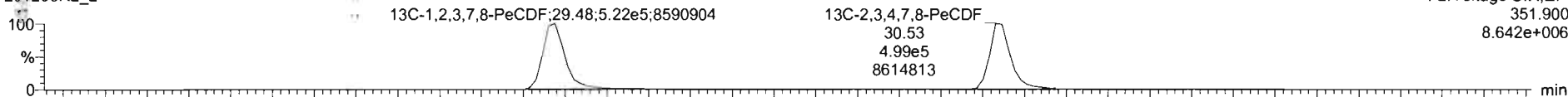


201203R2_2

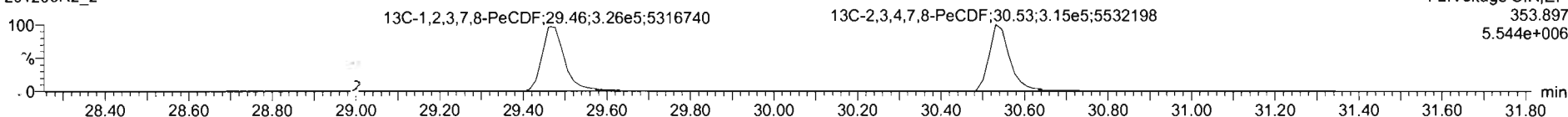


13C-1,2,3,7,8-PeCDF

201203R2_2

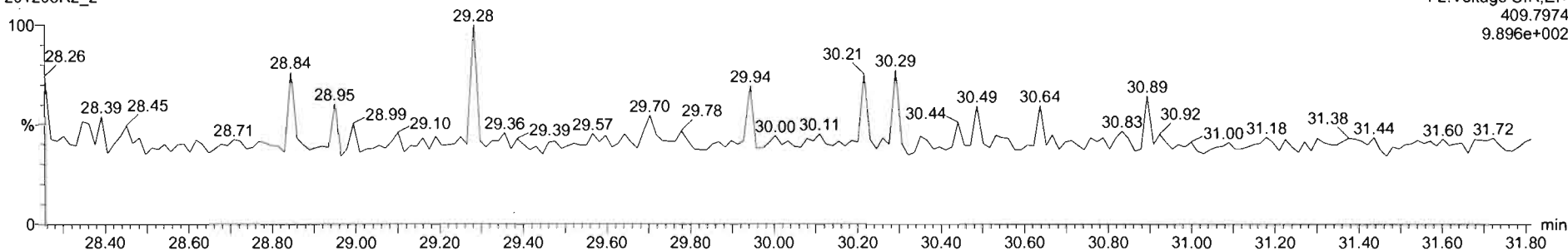


201203R2_2

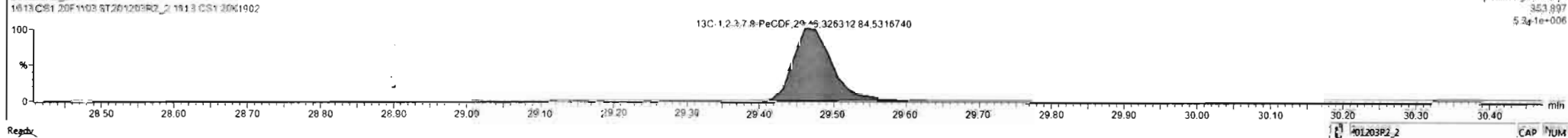
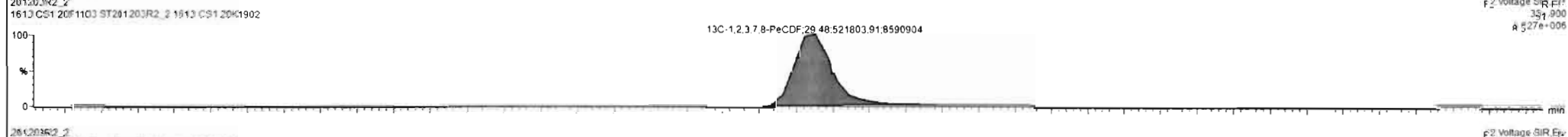
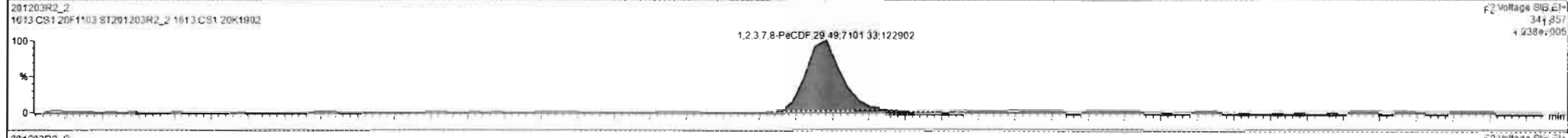
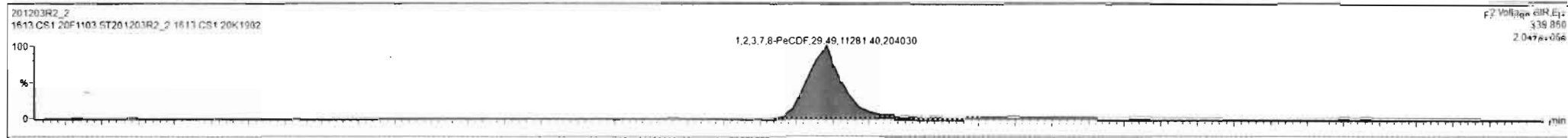


DPE2

201203R2_2



#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.43e3	0.81	NO	0.98	1.000	26.01	1.001	0.452	90.4	0.0227	0.462
2	1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	36.75	1.001	2.29	91.7	0.0298	2.29
3	1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.06	1.001	2.22	89.0	0.0426	2.22
4	1,2,3,6,7,8-HxCDD	9.35e3	1.17	NO	0.90	1.000	34.19	1.001	2.28	91.2	0.0427	2.28
5	1,2,3,7,8,9-HxCDD	1.03e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6	1,2,3,4,6,7,8-HpCDD	7.18e3	1.06	NO	0.92	1.000	37.92	1.000	2.32	92.8	0.0791	2.32
7	OCDD	1.11e4	0.89	NO	0.87	1.000	46.25	1.000	4.43	88.8	0.0812	4.43
8	2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.30	1.001	0.442	88.5	0.0134	0.442
9	1,2,3,7,8-PeCDF	1.84e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	90.3	0.0424	2.26
10	2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.16	86.3	0.0379	2.16
11	1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.16	1.001	2.21	88.4	0.0494	2.21
12	1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.29	1.000	2.23	89.2	0.0473	2.23
13	2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.96	1.001	2.19	87.7	0.0522	2.19
14	1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.94	1.000	2.19	87.6	0.0565	2.19

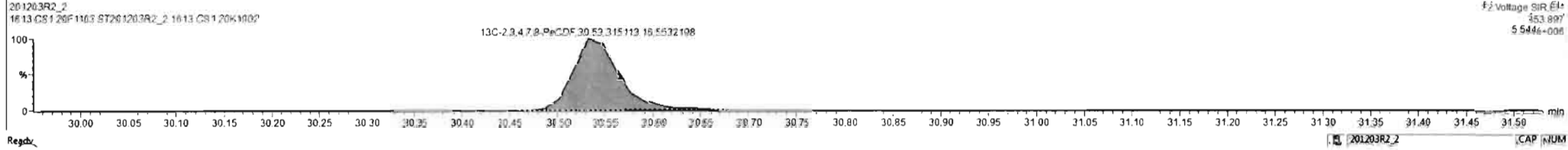
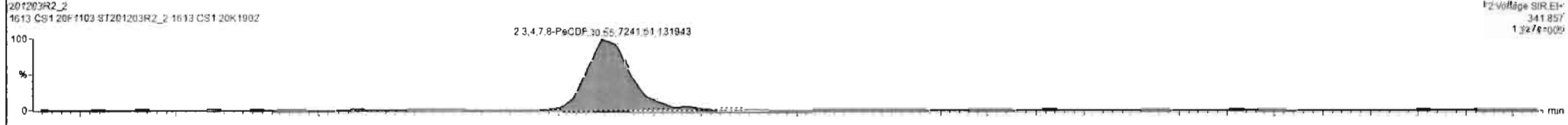
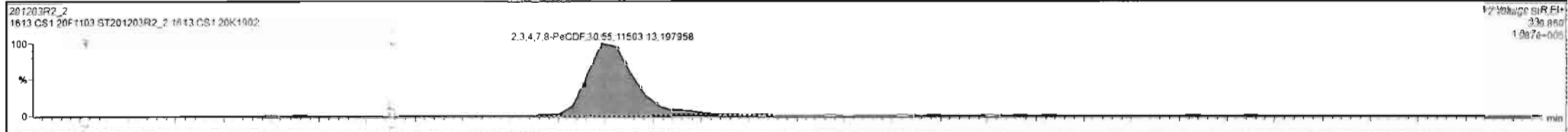


TargetLynx - 201203R2_CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

201203R2_2 - ST201203R2_2 1613 CS1 20K1902 - 1613 CS1 20K1902

Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	ELUPC
1 2,3,7,8-TCDD	3.43e3	0.81	NO	0.98	1.000	28.01	1.001	0.452	90.4	0.0227	0.452
2 1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.76	1.001	2.29	91.7	0.0295	2.29
3 1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.06	1.001	2.22	89.0	0.0426	2.22
4 1,2,3,6,7,8-HxCDD	9.36e3	1.17	NO	0.90	1.000	34.77	1.001	2.28	91.2	0.0427	2.28
5 1,2,3,7,8,9-HxCDD	1.00e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6 1,2,3,4,6,7,8-HxCDD	7.18e3	1.06	NO	0.92	1.000	37.92	1.000	2.32	82.8	0.0791	2.32
7 OCDD	1.11e4	0.89	NO	0.87	1.000	40.83	1.000	4.43	99.6	0.0812	4.43
8 2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.30	1.001	0.442	88.5	0.0134	0.442
9 1,2,3,7,8-PeCDF	1.84e4	1.59	NO	0.96	1.000	29.49	1.000	2.25	90.3	0.0424	2.25
10 2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.16	86.3	0.0379	2.16
11 1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.16	1.001	2.21	89.4	0.0494	2.21
12 1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.29	1.000	2.23	89.2	0.0473	2.23
13 2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.90	1.001	2.19	87.7	0.0522	2.19
14 1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.94	1.000	2.19	87.6	0.0855	2.19



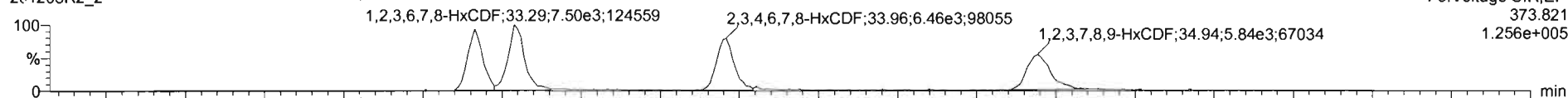
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

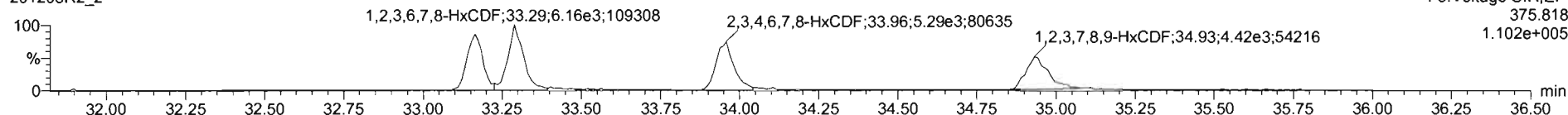
Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

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

201203R2_2

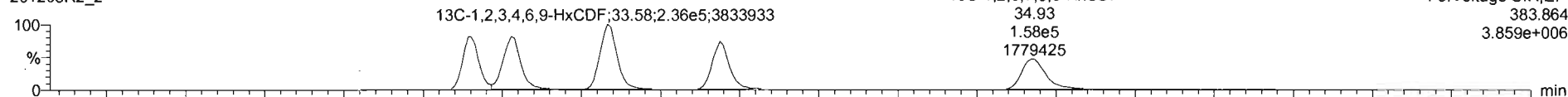


201203R2_2

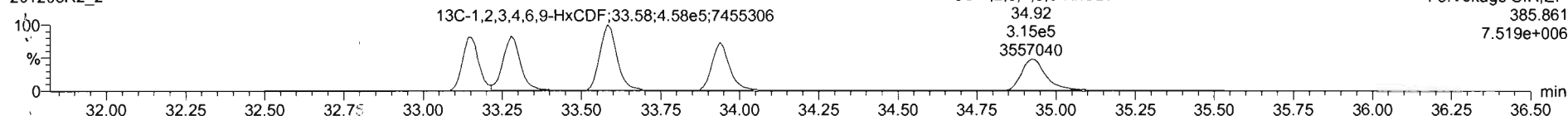


13C-1,2,3,4,7,8-HxCDF

201203R2_2

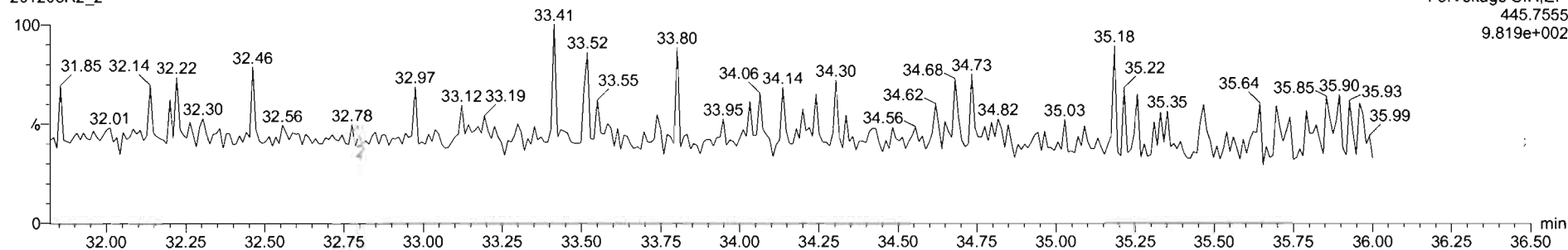


201203R2_2



DPE3

201203R2_2

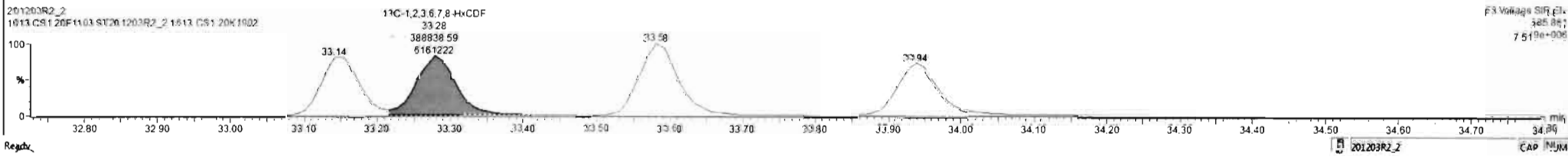
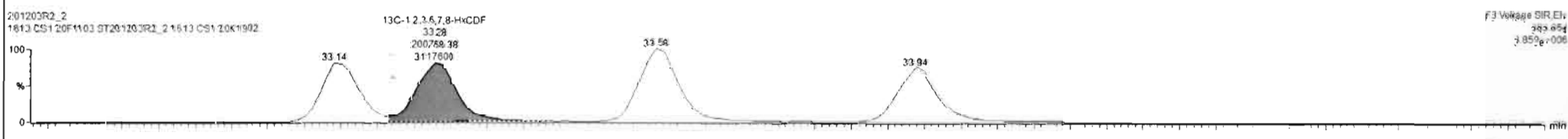
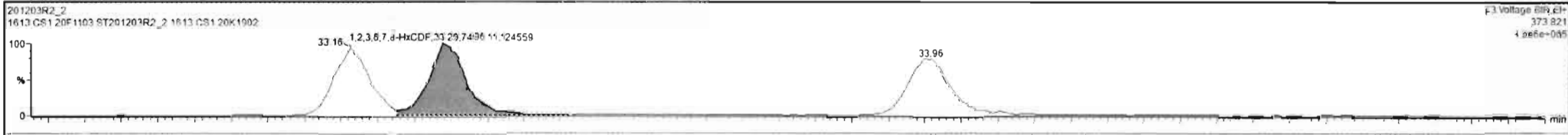


TargetLynx - 271203R2_CRV.qld - [Chromatogram]

File Edit View Display Processing Window Help

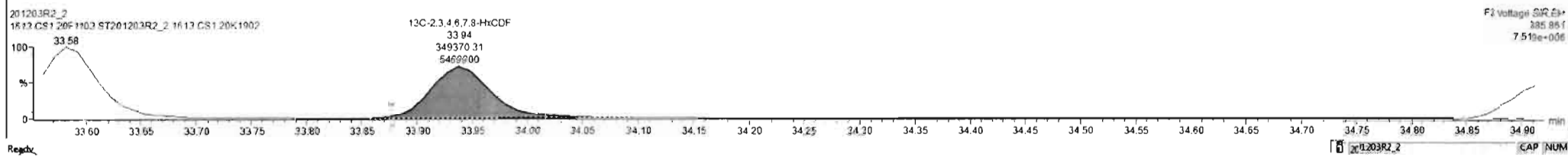
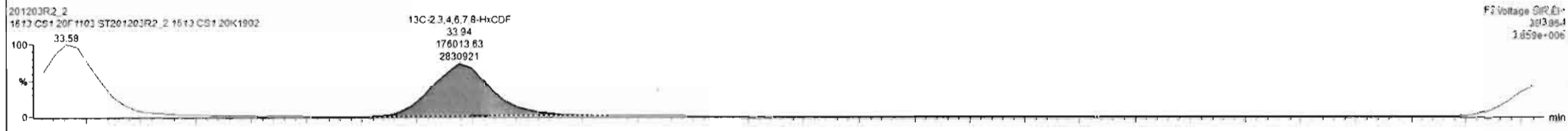
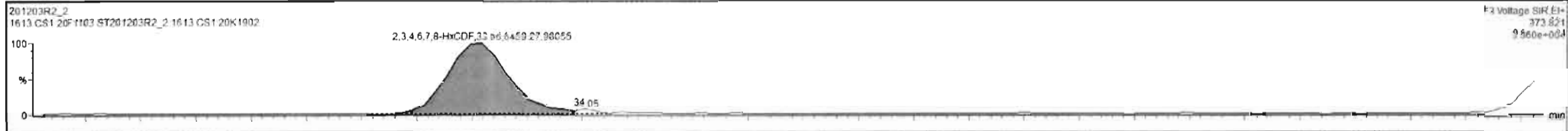
201203R2_2 - ST201203R2_2 1613 CS1 20K1902 - 1613 CS1 20K1902

#	Name	Resp	RA	nly	RRF	wt/wtl	RT	RRT	Conc	NRec	Dt	EMPC
1	2,3,7,8-TCDD	3.43e3	0.81	NO	0.98	1.000	26.01	1.001	0.452	93.4	0.0227	0.452
2	1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.76	1.001	2.25	91.7	0.0298	2.23
3	1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.06	1.001	2.22	89.0	0.0428	2.22
4	1,2,3,6,7,8-HxCDD	9.36e3	1.17	NO	0.90	1.000	34.19	1.001	2.28	91.2	0.0427	2.28
5	1,2,3,7,8,9-HxCDD	1.00e4	1.24	NO	0.96	1.000	34.44	1.000	2.20	91.9	0.0427	2.20
6	1,2,3,4,6,7,8-HpCDD	7.19e3	1.06	NO	0.92	1.000	37.92	1.000	2.32	92.6	0.0791	2.32
7	OCDD	1.11e4	0.89	NO	0.87	1.000	40.63	1.000	4.43	86.6	0.0812	4.43
8	2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.30	1.001	0.442	88.5	0.0134	0.442
9	1,2,3,7,8-PeCDF	1.84e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	90.3	0.0424	2.26
10	2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.16	86.3	0.0378	2.16
11	1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.16	1.001	2.21	88.4	0.0494	2.21
12	1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.28	1.000	2.23	89.2	0.0473	2.23
13	2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.96	1.001	2.19	87.7	0.0522	2.19
14	1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.94	1.000	2.19	87.6	0.0855	2.19



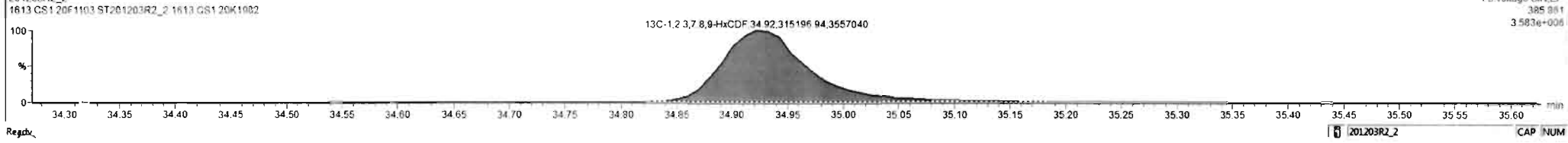
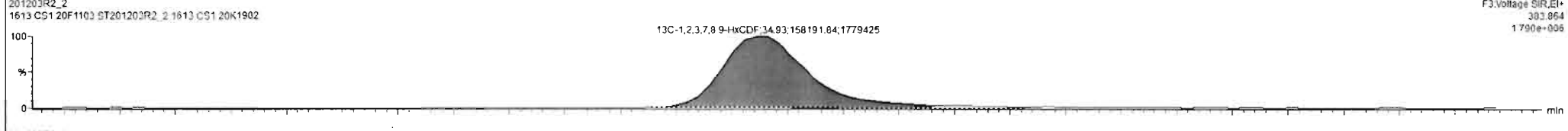
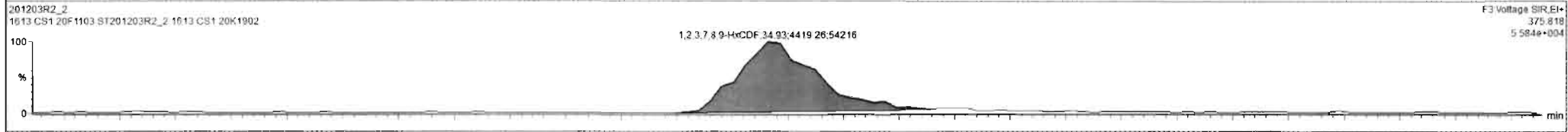
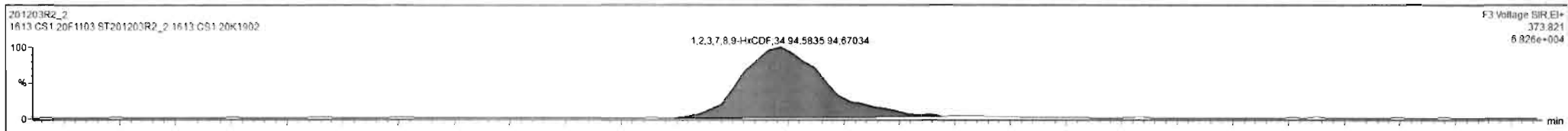
201203R2_2 - ST201203R2_2 1613 CS1 20K1902 - 1613 CS1 20K1902

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDF	3.43e3	0.81	NO	0.98	1.000	28.0	1.001	0.452	90.4	0.0227	0.452
2 1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.76	1.001	2.29	91.7	0.0298	2.29
3 1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.06	1.001	2.22	69.0	0.0428	2.22
4 1,2,3,6,7,8-HxCDD	9.36e3	1.17	NO	0.90	1.000	34.19	1.001	2.28	91.2	0.0427	2.28
5 1,2,3,7,8,9-HxCDD	1.00e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6 1,2,3,4,6,7,8-HpCDD	7.18e3	1.06	NO	0.92	1.000	37.52	1.000	2.32	92.6	0.0791	2.32
7 OCDD	1.11e4	0.89	NO	0.87	1.000	40.83	1.000	4.43	86.6	0.0812	4.43
8 2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.30	1.001	0.442	88.5	0.0124	0.442
9 1,2,3,7,8-PeCDF	1.84e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	90.3	0.0424	2.26
10 2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.16	86.3	0.0379	2.16
11 1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.16	1.001	2.21	88.4	0.0494	2.21
12 1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.29	1.000	2.23	89.2	0.0473	2.23
13 2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.96	1.001	2.19	87.7	0.0522	2.19
14 1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.94	1.000	2.19	87.8	0.0855	2.19



201203R2_2 - ST201203R2_2 1613 CS1 20K1902 - 1613 CS1 20K1902

Name	Resp	RA	ny	RRF	wsVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	3.43e3	0.81	NO	0.98	1.000	26.01	1.001	0.452	99.4	0.0227	0.452
2 1,2,3,7,8-PeCDD	1.18e4	0.57	NO	0.93	1.000	30.76	1.001	2.29	91.7	0.0298	2.29
3 1,2,3,4,7,8-HxCDD	8.64e3	1.23	NO	1.02	1.000	34.06	1.001	2.22	89.0	0.0428	2.22
4 1,2,3,6,7,8-HxCDD	9.36e3	1.17	NO	0.90	1.000	34.19	1.001	2.28	91.2	0.0427	2.28
5 1,2,3,7,8,9-HxCDD	1.00e4	1.24	NO	0.96	1.000	34.44	1.000	2.30	91.9	0.0427	2.30
6 1,2,3,4,6,7,8-HxCDD	7.18e3	1.06	NO	0.92	1.000	37.92	1.000	2.32	92.8	0.0791	2.32
7 OCDD	1.11e4	0.89	NO	0.87	1.000	40.83	1.000	4.43	88.6	0.0812	4.43
8 2,3,7,8-TCDF	4.29e3	0.83	NO	0.85	1.000	25.30	1.001	0.442	88.5	0.0134	0.442
9 1,2,3,7,8-PeCDF	1.64e4	1.59	NO	0.96	1.000	29.49	1.000	2.26	90.3	0.0424	2.26
10 2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.07	1.000	30.55	1.000	2.16	88.3	0.0379	2.16
11 1,2,3,4,7,8-HxCDF	1.20e4	1.18	NO	0.99	1.000	33.16	1.001	2.21	88.4	0.0494	2.21
12 1,2,3,6,7,8-HxCDF	1.37e4	1.22	NO	1.04	1.000	33.77	1.000	2.23	89.2	0.0473	2.23
13 2,3,4,6,7,8-HxCDF	1.17e4	1.22	NO	1.02	1.000	33.98	1.001	2.19	87.7	0.0522	2.19
14 1,2,3,7,8,9-HxCDF	1.03e4	1.32	NO	0.99	1.000	34.3	1.000	2.19	87.8	0.0555	2.19

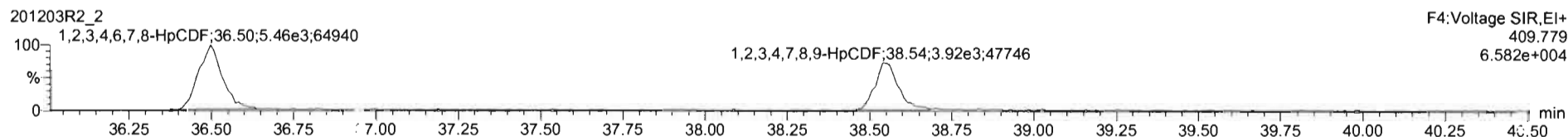
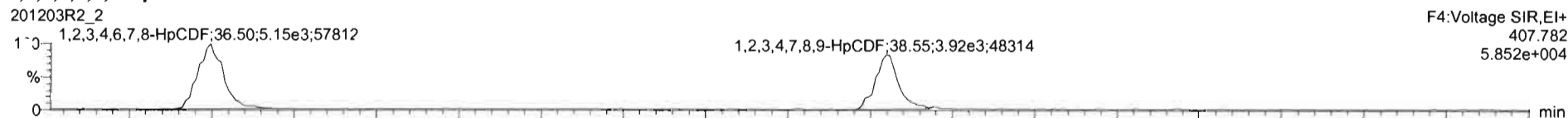


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

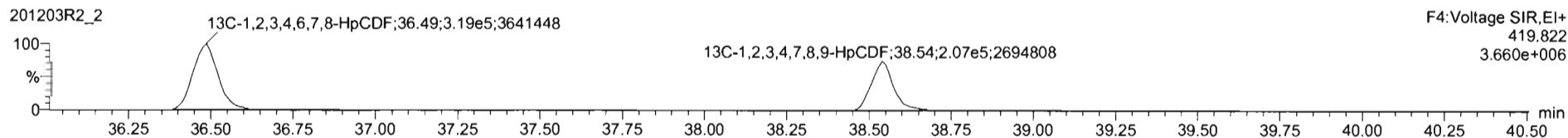
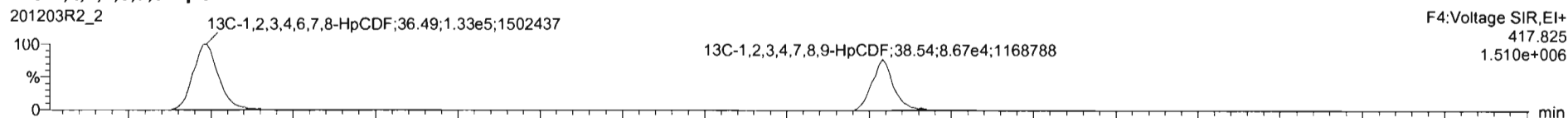
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103

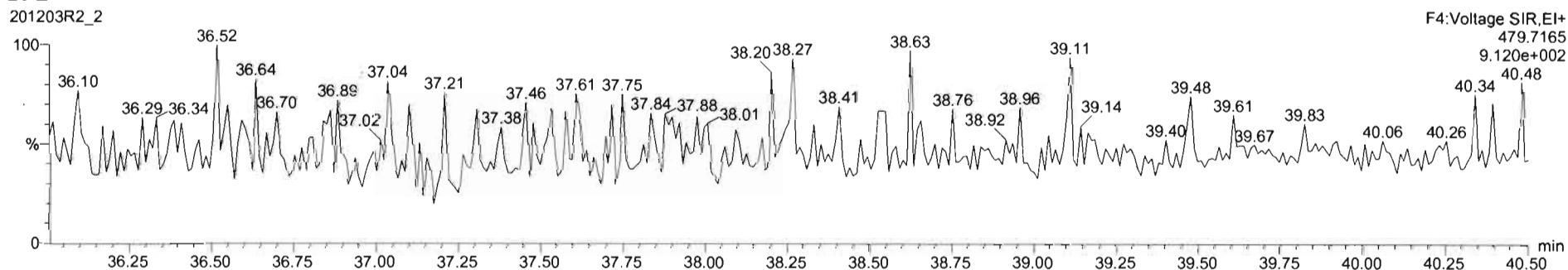
1,2,3,4,6,7,8-HpCDF



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

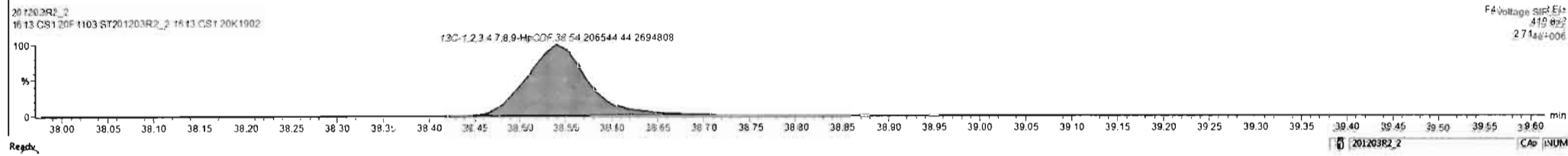
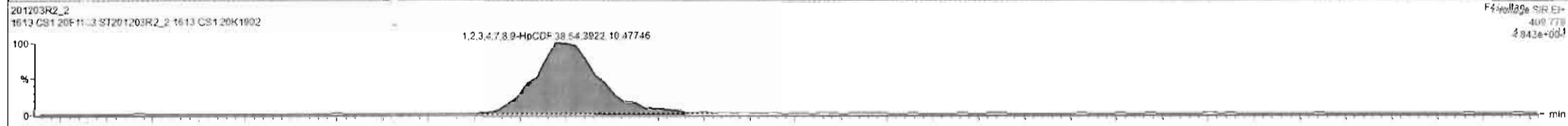


DPE4



201203R2_2 - ST201203R2_2 1613 CS1 20K1902 - 1613 CS1 20K1902

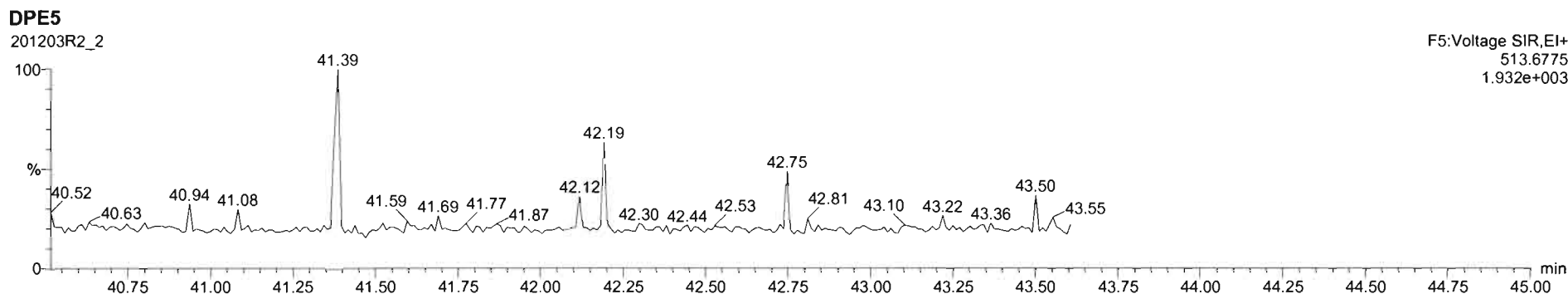
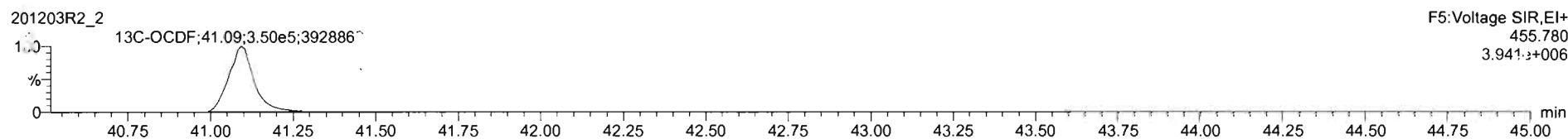
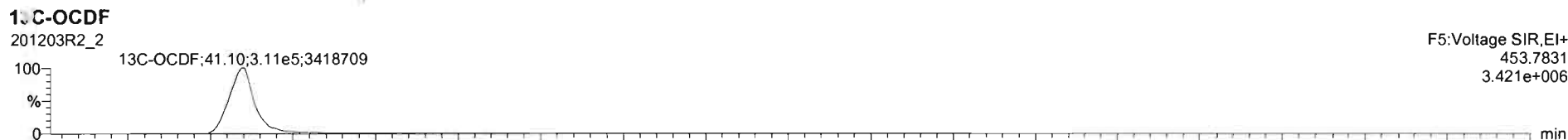
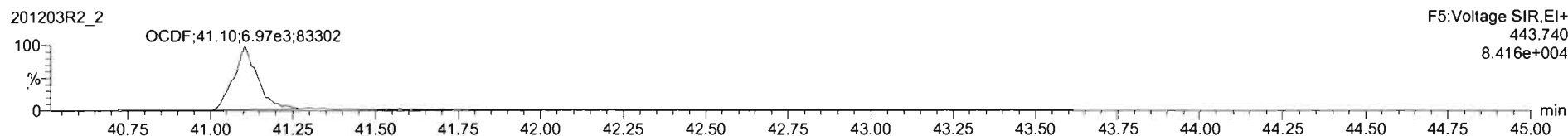
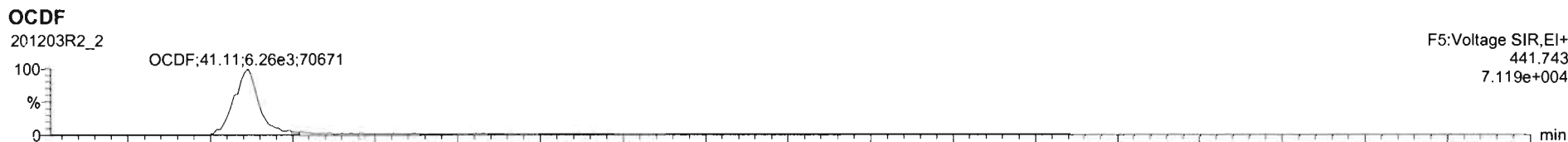
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
16 1,2,3,4,7,8,9-HpCDF	7.84e3	1.00	NO	1.18	1.000	38.55	1.000	2.27	90.9	0.0487	2.27
17 OCDF	1.32e4	0.90	NO	0.90	1.000	41.11	1.000	4.46	89.3	0.0626	4.46
18 13C-2,3,7,8-TCDD	7.75e5	0.75	NO	1.06	1.000	25.98	1.031	90.5	90.5	0.123	
19 13C-1,2,3,7,8-PeCDD	5.51e5	0.63	NO	0.78	1.000	30.73	1.219	86.6	86.6	0.158	
20 13C-1,2,3,4,7,8-HxCDD	3.81e5	1.27	NO	0.62	1.000	34.6	1.014	80.5	80.5	0.261	
21 13C-1,2,3,6,7,8-HxCDD	4.55e5	1.28	NO	0.73	1.000	34.16	1.017	89.4	89.4	0.221	
22 13C-1,2,3,7,8,9-HxCDD	4.56e5	1.26	NO	0.72	1.000	34.43	1.025	91.0	91.0	0.224	
23 13C-1,2,3,4,6,7,8-HpCDD	3.37e5	1.05	NO	0.57	1.000	37.91	1.129	85.5	85.5	0.396	
24 13C-OCDD	5.80e5	0.88	NO	0.50	1.000	40.81	1.215	159	159	0.384	
25 13C-2,3,7,8-TCDF	1.14e6	0.79	NO	0.92	1.000	25.28	1.003	81.6	81.6	0.105	
26 13C-1,2,3,7,8-PeCDF	8.48e5	1.60	NO	0.72	1.000	29.48	1.169	87.3	87.3	0.328	
27 13C-2,3,4,7,8-PeCDF	8.14e5	1.59	NO	0.69	1.000	30.17	1.211	87.1	87.1	0.340	
28 13C-1,2,3,4,7,8-HxCDF	5.49e5	0.51	NO	0.87	1.000	33.16	0.987	90.7	90.7	0.268	
29 13C-1,2,3,6,7,8-HxCDF	5.90e5	0.52	NO	0.93	1.000	33.26	0.991	91.0	91.0	0.251	



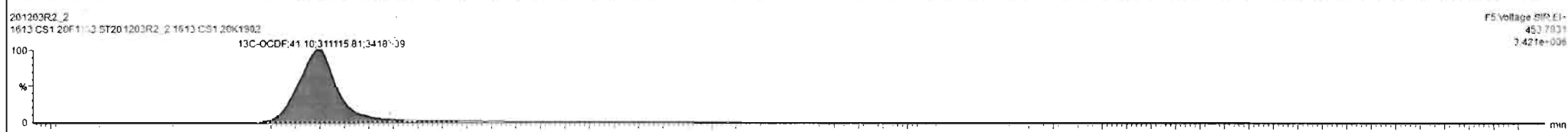
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103



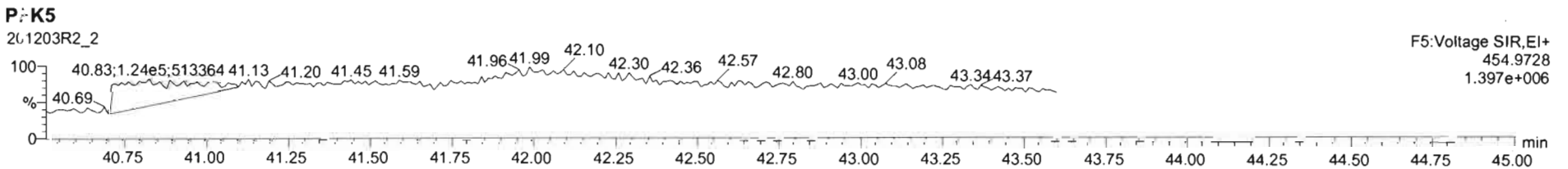
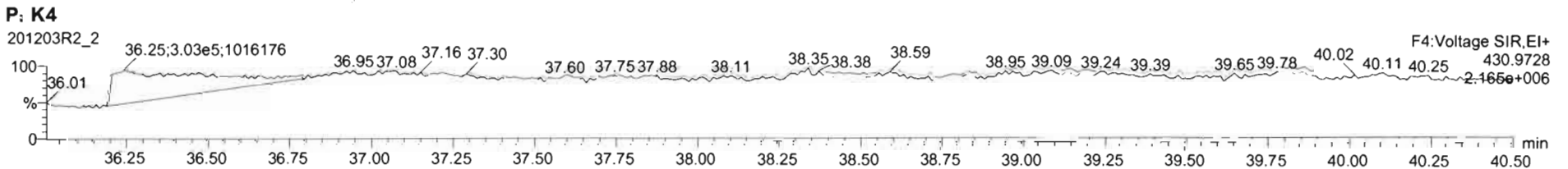
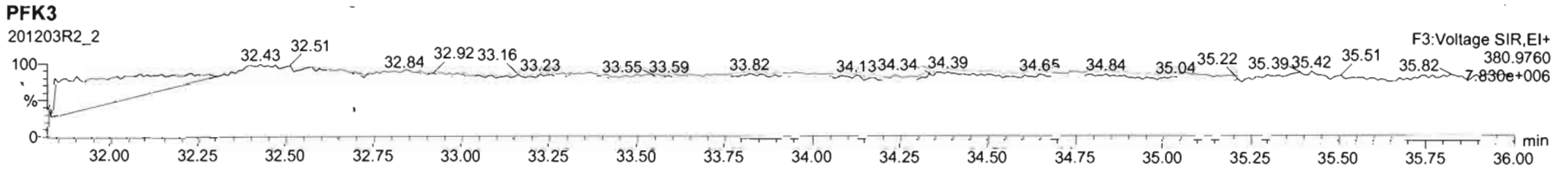
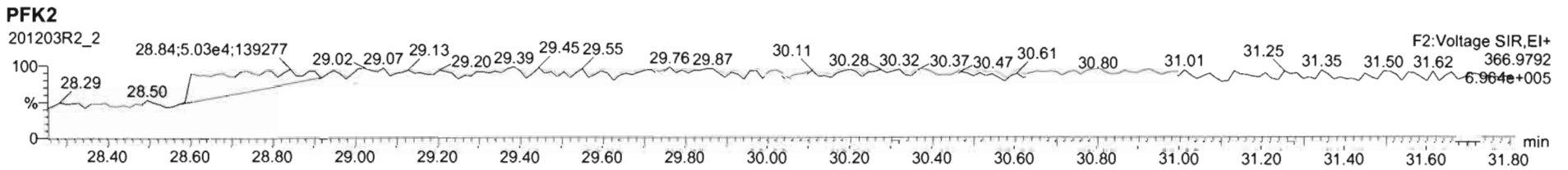
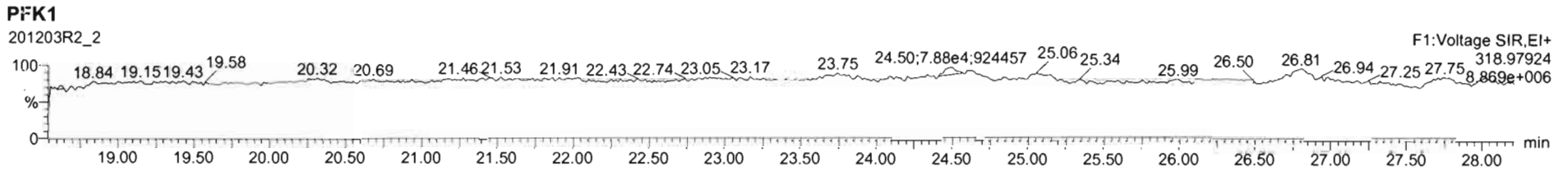
Name	Resp	RA	n/y	RRF	wf/wf	RT	RRT	Conc	%Rec	DL	EMPC
16 1,2,3,4,7,8,9-HpCDF	7.84e3	1.00	NO	1.18	1.000	38.55	1.000	2.27	90.9	0.0487	2.27
17 OCDF	1.32e4	0.90	NO	0.90	1.000	41.11	1.000	4.46	89.3	0.0626	4.46
18 13C-2,3,7,8-TCDD	7.75e5	0.78	NO	1.06	1.000	25.18	1.021	90.5	90.5	0.123	
19 13C-1,2,3,7,8-PeCDD	5.51e5	0.63	NO	0.78	1.000	30.73	1.219	86.6	86.6	0.158	
20 13C-1,2,3,4,7,8-HxCDD	3.81e5	1.27	NO	0.62	1.000	34.04	1.014	82.5	88.5	0.261	
21 13C-1,2,3,8,7,8-HxCDD	4.55e5	1.28	NO	0.73	1.000	34.16	1.017	89.4	89.4	0.221	
22 13C-1,2,3,7,8,9-HxCDD	4.56e5	1.26	NO	0.72	1.000	34.43	1.025	91.0	91.0	0.224	
23 13C-1,2,3,4,8,7,8-HxCDD	3.37e5	1.05	NO	0.57	1.000	37.91	1.129	85.5	85.5	0.398	
24 13C-OCDD	5.80e5	0.88	NO	0.90	1.000	40.81	1.215	169	34.3	0.388	
25 13C-2,3,7,8-TCDF	1.14e6	0.79	NO	0.92	1.000	25.28	1.003	91.6	91.6	0.105	
26 13C-1,2,3,7,8-PeCDF	8.48e5	1.60	NO	0.72	1.000	29.48	1.169	87.3	87.3	0.328	
27 13C-2,3,4,7,8-PeCDF	8.14e5	1.59	NO	0.69	1.000	30.53	1.211	87.1	87.1	0.340	
28 13C-1,2,3,4,7,8-HxCDF	5.49e5	0.51	NO	0.87	1.000	33.14	0.987	90.7	90.7	0.268	
29 13C-1,2,3,6,7,8-HxCDF	5.90e5	0.52	NO	0.93	1.000	33.28	0.991	91.0	91.0	0.251	



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_2, Date: 03-Dec-2020, Time: 11:28:04, ID: ST201203R2_2 1613 CS1 20K1902, Description: 1613 CS1 20F1103



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

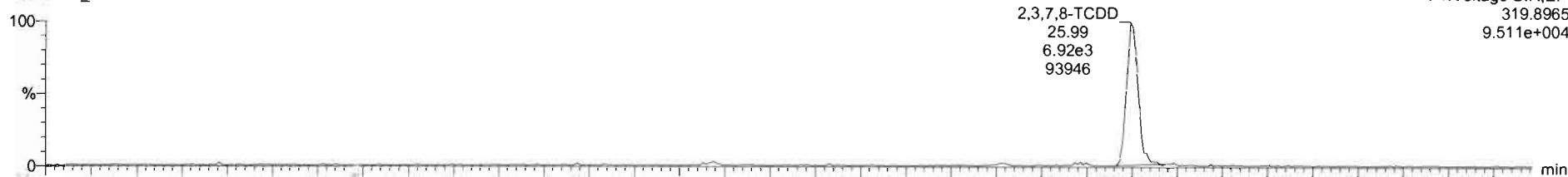
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

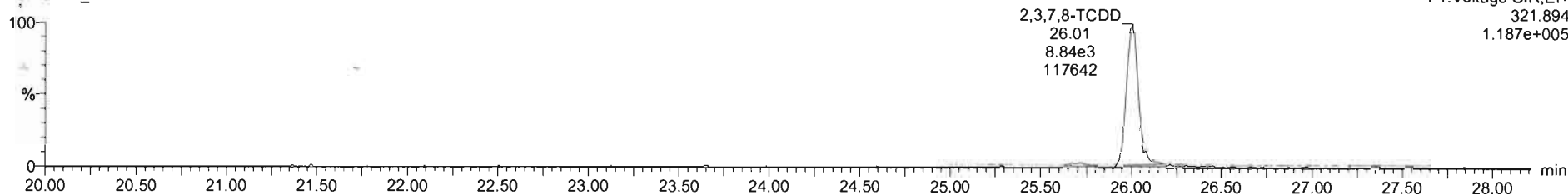
Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

2,3,7,8-TCDD

201203R2_3

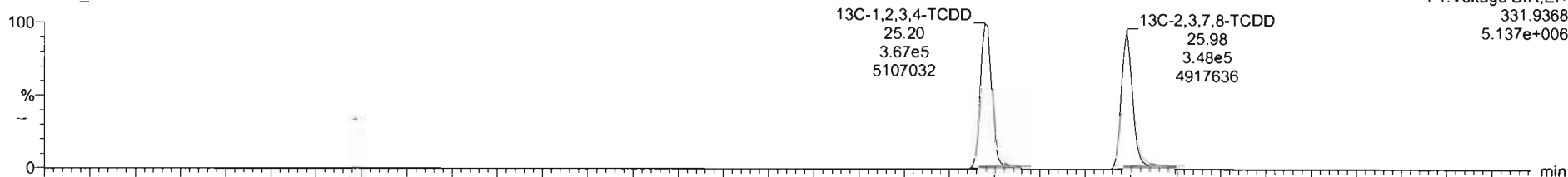


201203R2_3

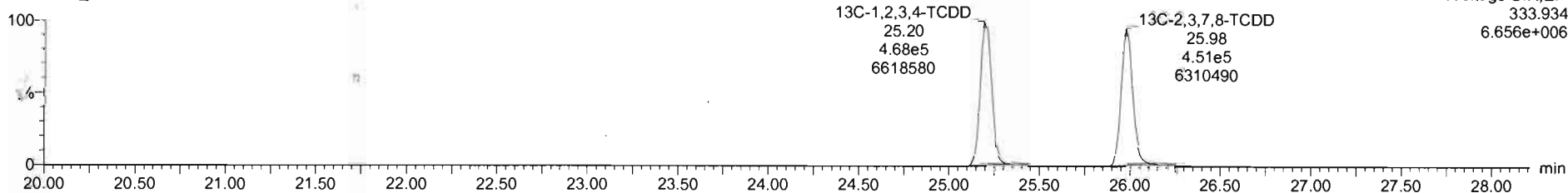


13C-2,3,7,8-TCDD

201203R2_3



201203R2_3



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

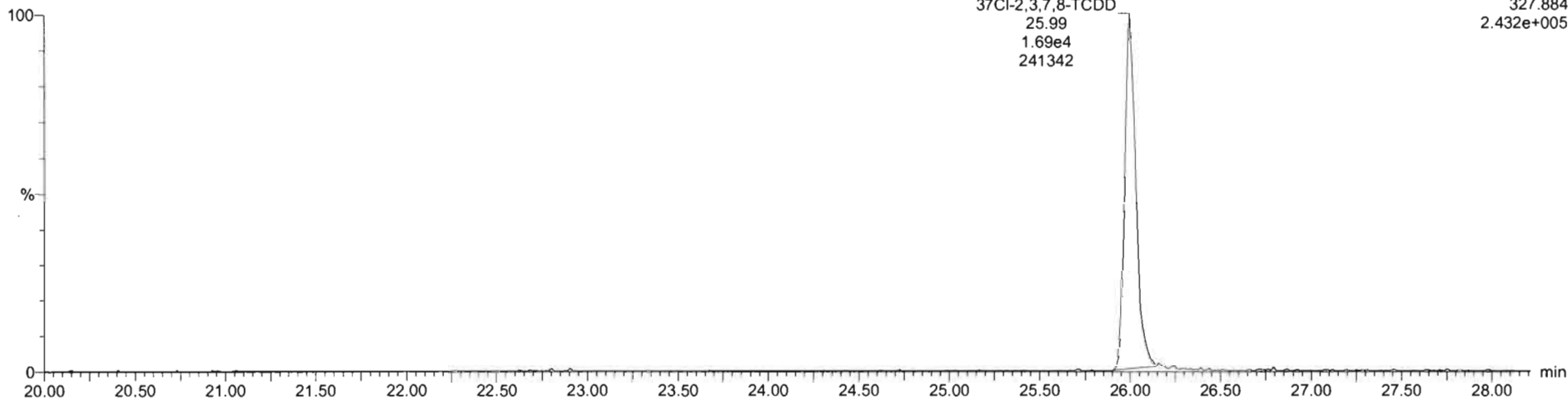
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

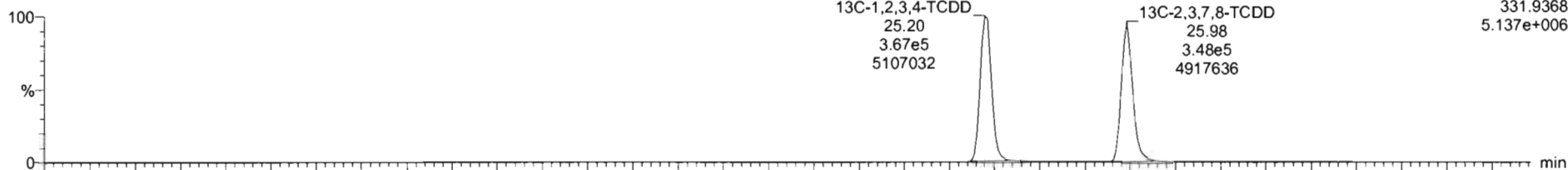
37Cl-2,3,7,8-TCDD

201203R2_3

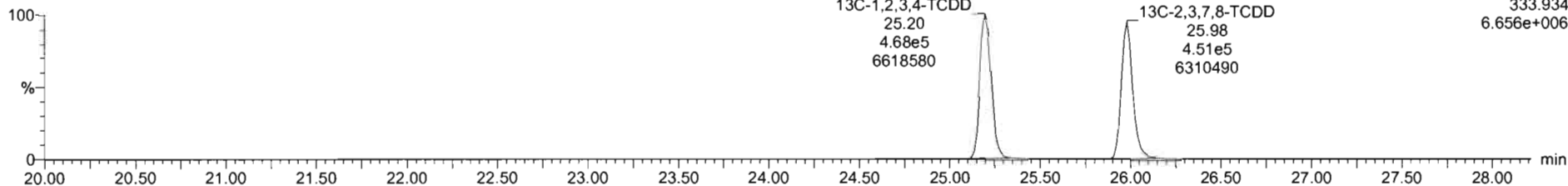


13C-1,2,3,4-TCDD

201203R2_3



201203R2_3



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

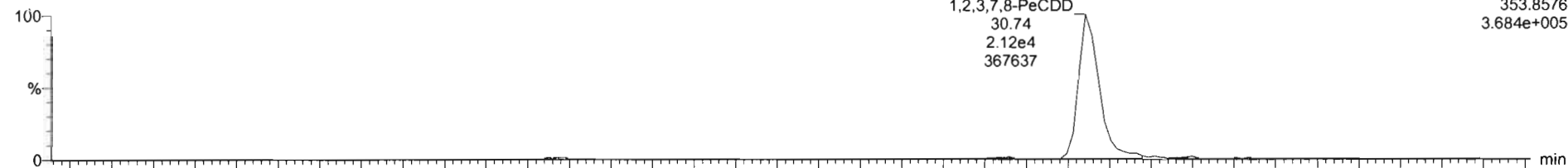
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

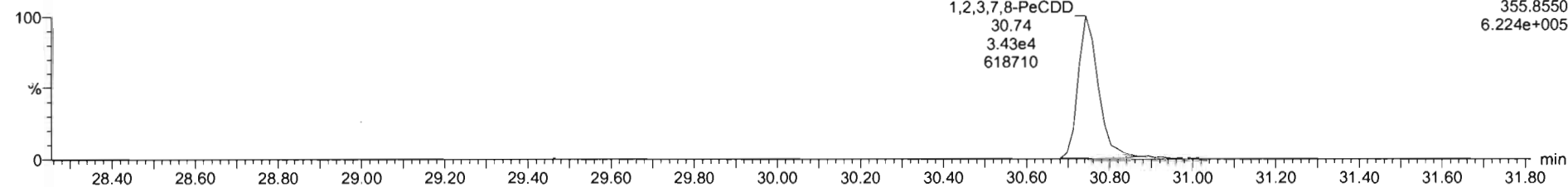
Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

1,2,3,7,8-PeCDD

201203R2_3

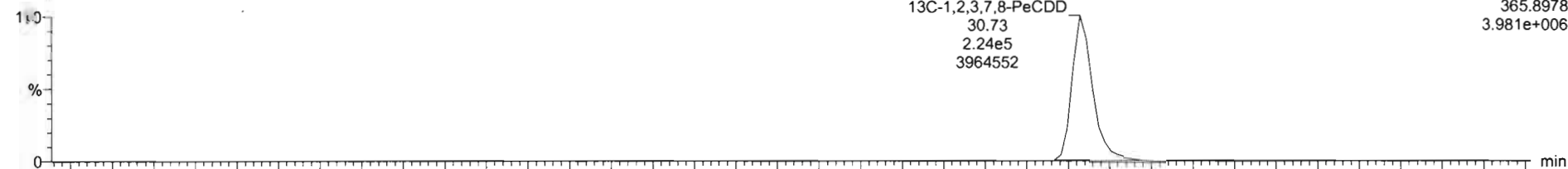


201203R2_3

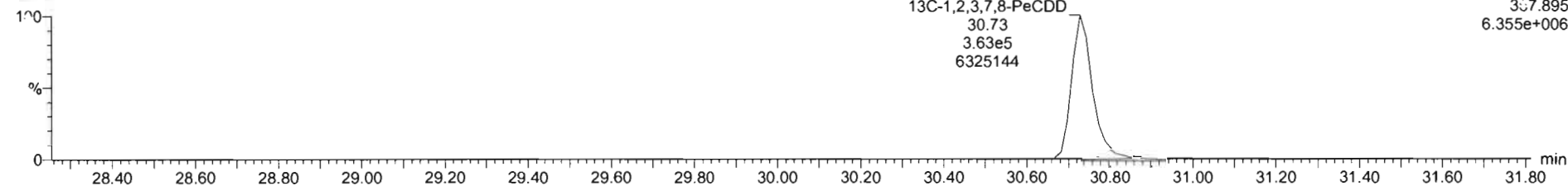


13C-1,2,3,7,8-PeCDD

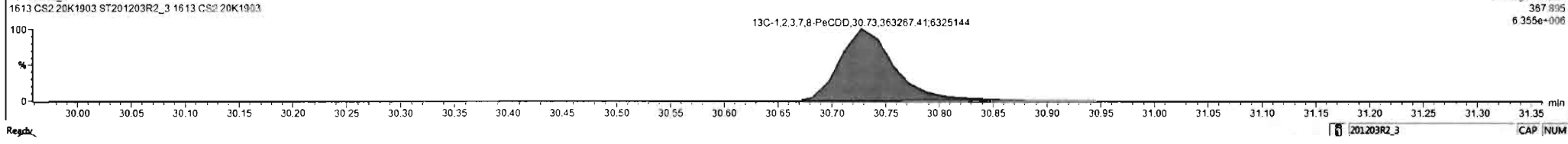
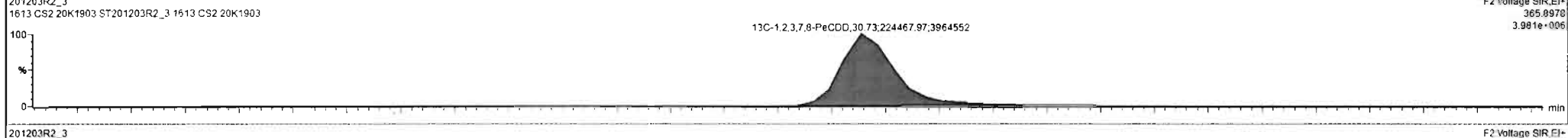
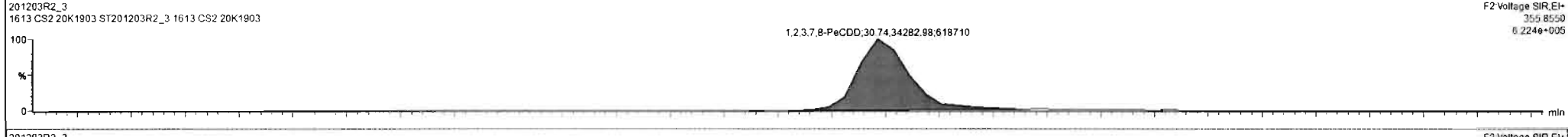
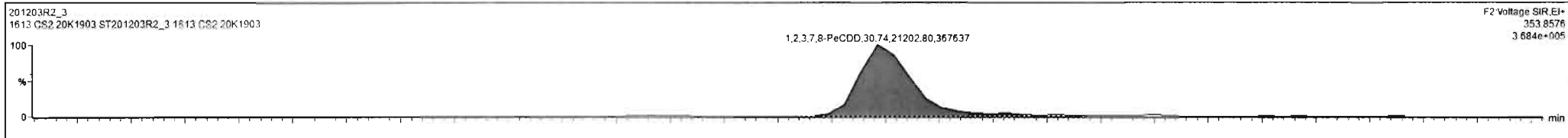
201203R2_3



201203R2_3



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	1.58e4	8.00e5	0.77	0.78	NO	0.9805	26.01	25.99	NO	1.001	1.001	2.01	100	NO
2	1,2,3,7,8-PeCDD	5.55e4	5.05e5	0.63	0.62	NO	0.9320	30.74	30.74	NO	1.000	1.000	10.1	101	NO
3	1,2,3,4,7,8-HxCDD	4.12e4	4.08e5	1.24	1.22	NO	1.0203	34.04	34.05	NO	1.000	1.001	9.96	99.6	NO
4	1,2,3,6,7,8-HxCDD	4.48e4	4.87e5	1.24	1.32	NO	0.9025	34.16	34.17	NO	1.000	1.001	10.2	102	NO
5	1,2,3,7,8,9-HxCDD	4.69e4	4.87e5	1.24	1.23	NO	0.9552	34.43	34.44	NO	1.000	1.001	10.1	101	NO
6	1,2,3,4,6,7,8-HpCDD	3.39e4	3.72e5	1.04	1.06	NO	0.9180	37.90	37.92	NO	1.000	1.001	9.91	99.1	NO
7	OCDD	5.89e4	6.66e5	0.89	0.84	NO	0.8658	40.80	40.81	NO	1.000	1.000	20.4	102	NO
8	1,2,3,7,8-TCDF	1.90e4	1.17e6	0.77	0.75	NO	0.8480	25.29	25.30	NO	1.000	1.001	1.92	96.0	NO
9	1,2,3,7,8-PeCDF	8.91e4	9.03e5	1.55	1.63	NO	0.9597	29.47	29.48	NO	1.000	1.000	10.3	103	NO
10	1,2,3,4,7,8-PeCDF	9.54e4	8.55e5	1.55	1.83	NO	1.0671	30.53	30.55	NO	1.000	1.000	10.5	105	NO
11	1,2,3,4,7,8-HxCDF	6.08e4	5.80e5	1.24	1.26	NO	0.9859	33.14	33.15	NO	1.000	1.000	10.6	106	NO
12	1,2,3,6,7,8-HxCDF	6.64e4	6.28e5	1.24	1.27	NO	1.0388	33.27	33.29	NO	1.000	1.001	10.2	102	NO
13	1,2,3,4,6,7,8-HxCDF	5.87e4	5.85e5	1.24	1.26	NO	1.0202	33.93	33.95	NO	1.000	1.001	10.2	102	NO
14	1,2,3,7,8,9-HxCDF	5.03e4	5.05e5	1.24	1.25	NO	0.9888	34.92	34.94	NO	1.000	1.001	10.1	101	NO



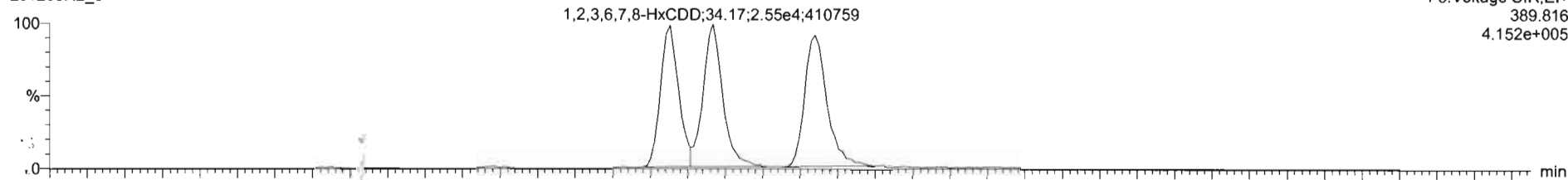
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

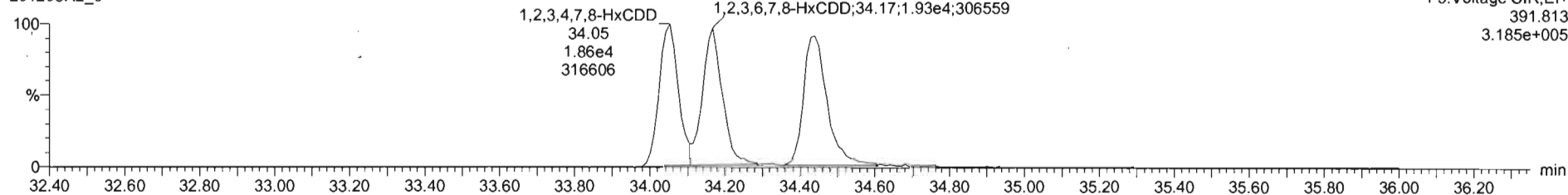
Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

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

201203R2_3

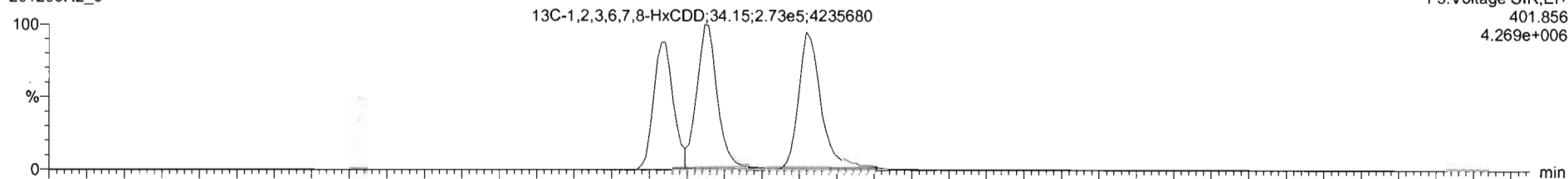


201203R2_3

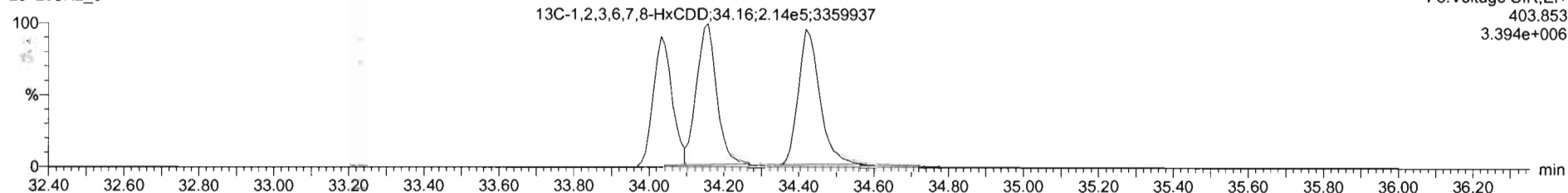


13C-1,2,3,4,7,8-HxCDD

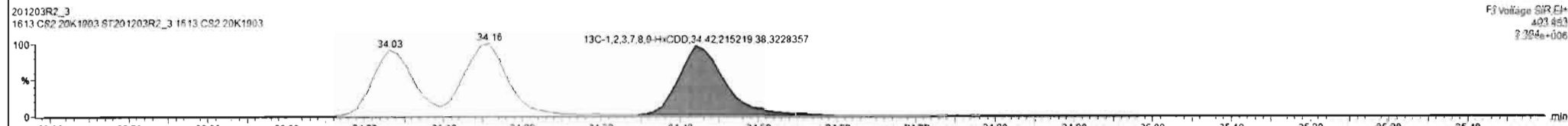
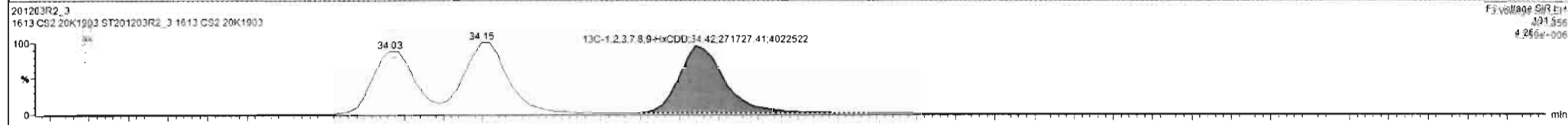
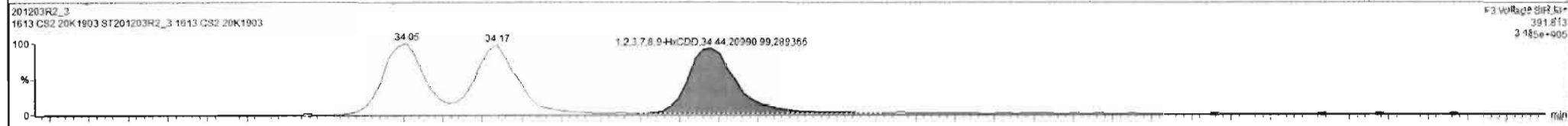
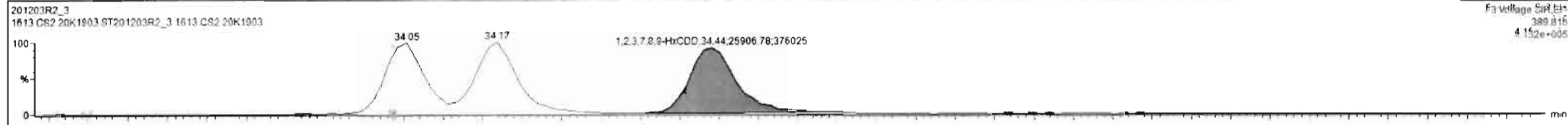
201203R2_3



201203R2_3



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.58e4	8.00e5	0.77	0.78	NO	0.9005	26.01	25.99	NO	1.001	1.001	2.01	100	NO
2	1,2,3,7,8-PeCDD	5.55e4	5.86e5	0.63	0.62	NO	0.9320	30.74	30.74	NO	1.000	1.000	10.1	101	NO
3	1,2,3,4,7,8-HxCDD	4.12e4	4.06e5	1.24	1.22	NO	1.0203	34.04	34.05	NO	1.000	1.001	9.96	99.6	NO
4	1,2,3,6,7,8-HxCDD	4.48e4	4.87e5	1.24	1.32	NO	0.9025	34.16	34.17	NO	1.000	1.001	10.2	102	NO
5	1,2,3,7,8,9-HxCDD	4.89e4	4.87e5	1.24	1.23	NO	0.9552	34.43	34.44	NO	1.000	1.001	10.1	101	NO
6	1,2,3,4,8,9-HpCDD	3.39e4	3.72e5	1.04	1.06	NO	0.9180	37.90	37.92	NO	1.000	1.001	9.91	99.1	NO
7	OCDD	5.89e4	6.66e5	0.89	0.84	NO	0.8658	40.80	40.81	NO	1.000	1.000	20.4	102	NO
8	2,3,7,8-TCDF	1.90e4	1.17e6	0.77	0.75	NO	0.8480	25.29	25.30	NO	1.000	1.001	1.92	96.0	NO
9	1,2,3,7,8-PeCDF	8.91e4	9.03e5	1.55	1.63	NO	0.9597	29.47	29.48	NO	1.000	1.000	10.3	103	NO
10	2,3,4,7,8-PeCDF	9.54e4	8.55e5	1.55	1.63	NO	1.0671	30.53	30.55	NO	1.000	1.000	10.5	105	NO
11	1,2,3,4,7,8-HxCDF	6.08e4	5.80e5	1.24	1.26	NO	0.9859	33.14	33.15	NO	1.000	1.000	10.6	106	NO
12	1,2,3,6,7,8-HxCDF	6.64e4	6.28e5	1.24	1.27	NO	1.0388	33.27	33.29	NO	1.000	1.001	10.2	102	NO
13	2,3,4,6,7,8-HxCDF	5.87e4	5.85e5	1.24	1.26	NO	1.0202	33.93	33.95	NO	1.000	1.001	10.2	102	NO
14	1,2,3,7,8,9-HxCDF	5.03e4	5.05e5	1.24	1.26	NO	0.9868	34.92	34.94	NO	1.000	1.001	10.1	101	NO



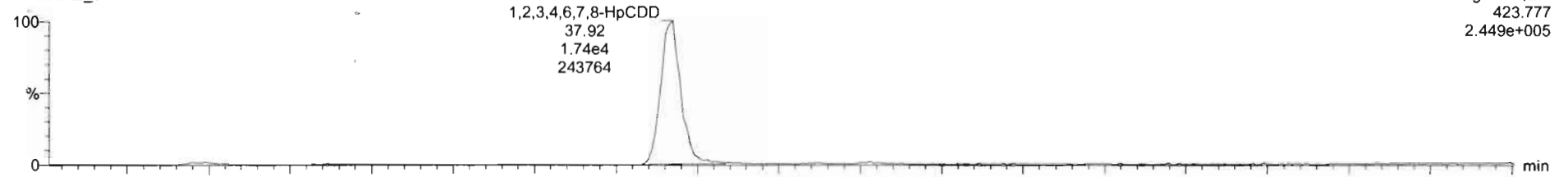
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

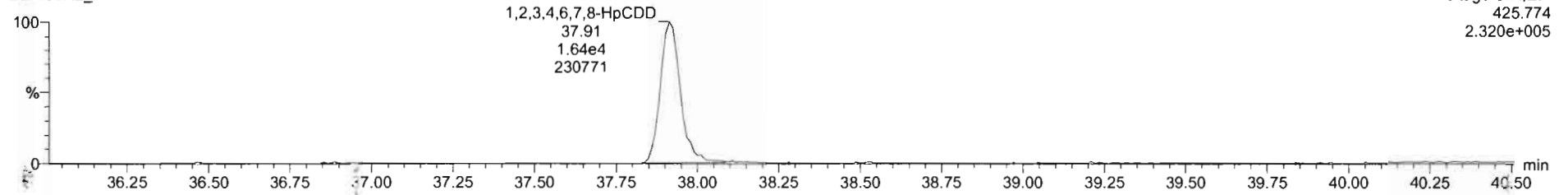
Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

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

201203R2_3

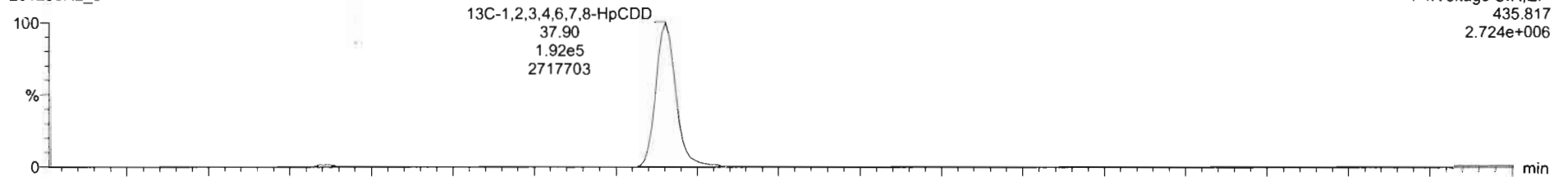


201203R2_3

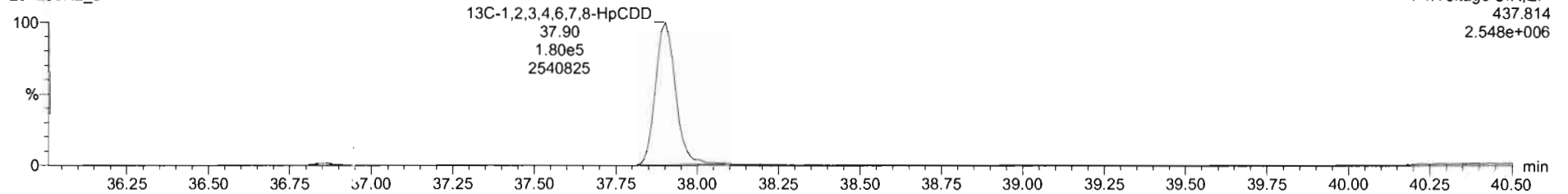


¹³C-1,2,3,4,6,7,8-HpCDD

201203R2_3

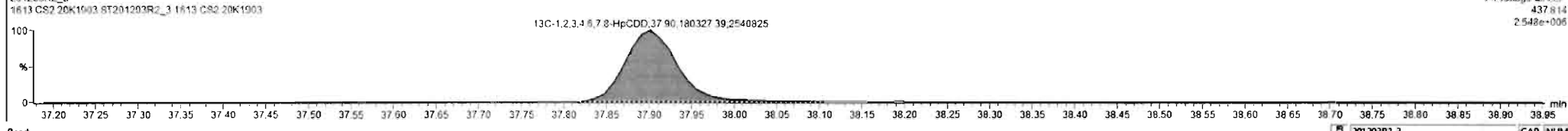
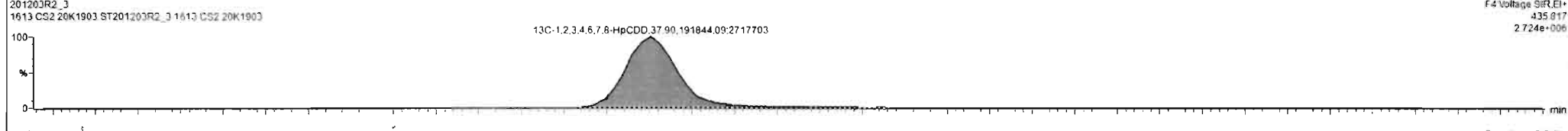
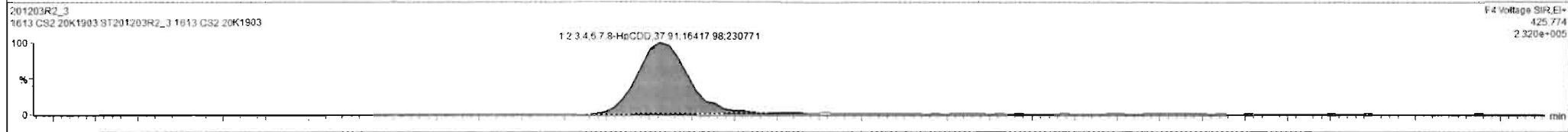
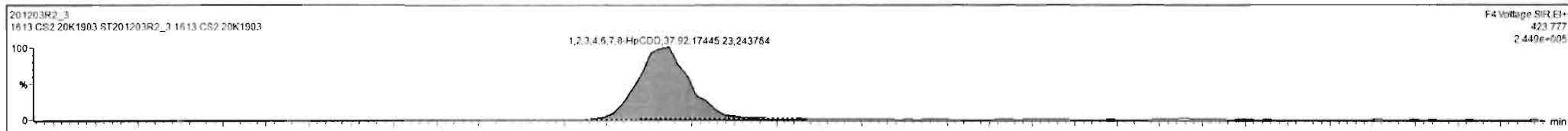


201203R2_3



201203R2_3 - ST201203R2_3 1613 CS2 20K1903 . 1613 CS2 20K1903

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.58e4	8.00e5	0.77	0.78	NO	0.9005	26.01	25.99	NO	1.001	1.001	2.91	100	NO
2	1,2,3,7,8-PeCDD	5.55e4	5.88e5	0.63	0.62	NO	0.9320	30.74	30.74	NO	1.000	1.000	10.1	101	NO
3	1,2,3,4,7,8-HxCDD	4.12e4	4.06e5	1.24	1.22	NO	1.0203	34.04	34.05	NO	1.000	1.001	9.96	99.6	NO
4	1,2,3,6,7,8-HxCDD	4.48e4	4.87e5	1.24	1.32	NO	0.9025	34.16	34.17	NO	1.000	1.001	10.2	102	NO
5	1,2,3,7,8,9-HxCDD	4.69e4	4.87e5	1.24	1.23	NO	0.9552	34.43	34.44	NO	1.000	1.001	10.1	101	NO
6	1,2,3,4,6,7,8-HpCDD	3.39e4	3.72e5	1.04	1.06	NO	0.9180	37.90	37.92	NO	1.000	1.001	9.91	99.1	NO
7	OCDF	5.89e4	6.66e5	0.89	0.84	NO	0.8658	40.80	40.81	NO	1.000	1.000	20.4	102	NO
8	2,3,7,8-TCDF	1.90e4	1.17e6	0.77	0.75	NO	0.8480	25.29	25.30	NO	1.000	1.001	1.92	96.0	NO
9	1,2,3,7,8-PeCDF	8.91e4	9.03e5	1.55	1.63	NO	0.9597	29.47	29.48	NO	1.000	1.000	10.3	103	NO
10	2,3,4,7,8-PeCDF	9.54e4	8.55e5	1.55	1.63	NO	1.0671	30.53	30.55	NO	1.000	1.000	10.5	105	NO
11	1,2,3,4,7,8-HxCDF	6.08e4	5.80e5	1.24	1.26	NO	0.9859	33.14	33.15	NO	1.000	1.000	10.6	106	NO
12	1,2,3,6,7,8-HxCDF	6.64e4	6.28e5	1.24	1.27	NO	1.0388	33.27	33.29	NO	1.000	1.001	10.2	102	NO
13	2,3,4,6,7,8-HxCDF	5.87e4	5.85e5	1.24	1.26	NO	1.0202	33.93	33.95	NO	1.000	1.001	10.2	102	NO
14	1,2,3,7,8,9-HxCDF	5.03e4	5.05e5	1.24	1.25	NO	0.9888	34.92	34.94	NO	1.000	1.001	10.1	101	NO

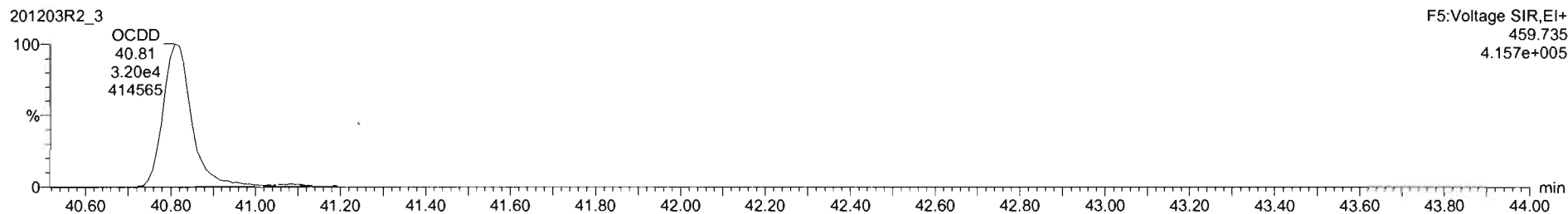
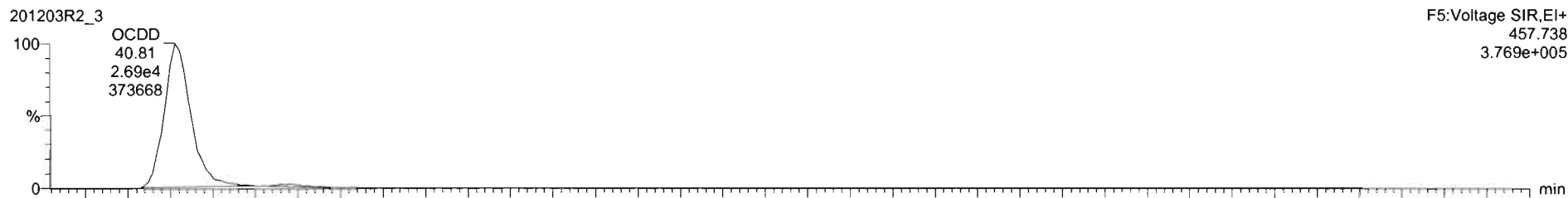


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

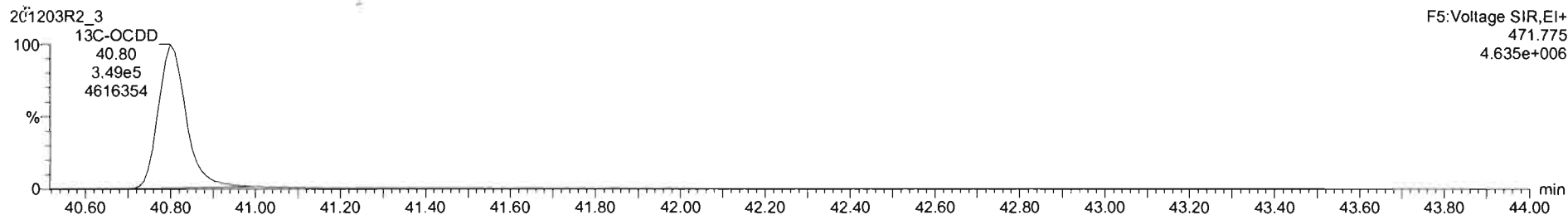
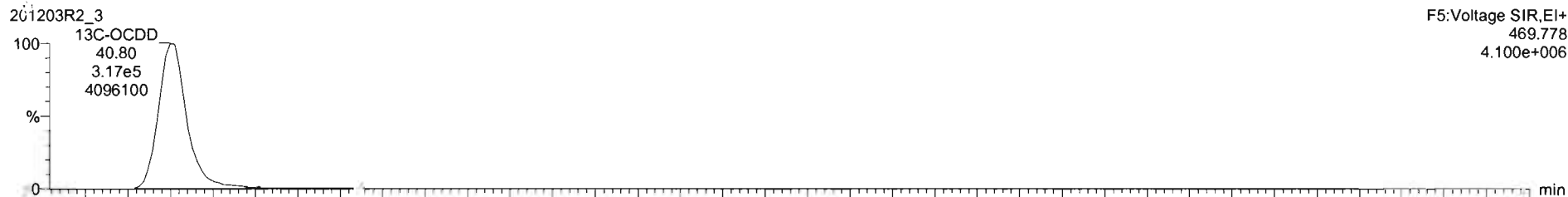
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

OCDD

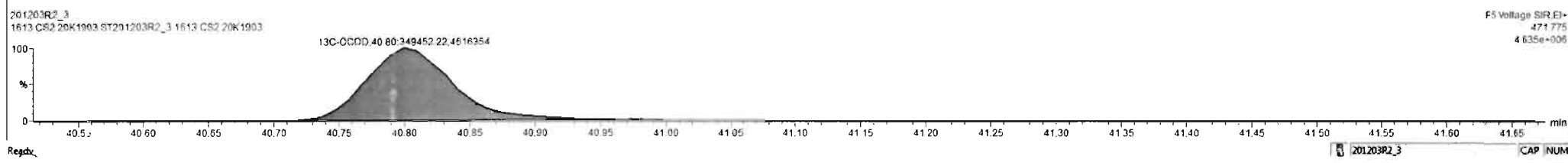
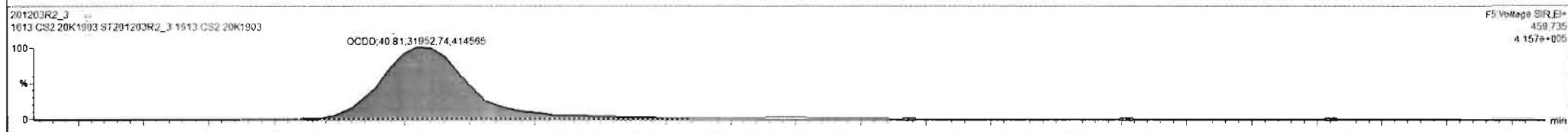


13C-OCDD



201203R2_3 - ST201203R2_3 1613 CS2 20K1903 1613 CS2 20K1903

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.58e4	8.00e5	0.77	0.78	NO	0.9805	26.01	25.99	NO	1.001	1.001	2.01	100	NO
2	1,2,3,7,8-PeCDD	5.55e4	5.88e5	0.63	0.62	NO	0.9320	30.74	30.74	NO	1.000	1.000	10.1	101	NO
3	1,2,3,4,7,8-HxCDD	4.12e4	4.06e5	1.24	1.22	NO	1.0203	34.04	34.05	NO	1.000	1.001	9.96	99.6	NO
4	1,2,3,6,7,8-HxCDD	4.48e4	4.87e5	1.24	1.32	NO	0.9025	34.16	34.17	NO	1.000	1.001	10.2	102	NO
5	1,2,3,7,8,9-HxCDD	4.69e4	4.87e5	1.24	1.23	NO	0.9552	34.43	34.44	NO	1.000	1.001	10.1	101	NO
6	1,2,3,6,7,8-HpCDD	3.39e4	3.72e5	1.04	1.08	NO	0.9190	37.90	37.92	NO	1.000	1.001	9.91	99.1	NO
7	OCDD	5.89e4	6.66e5	0.89	0.84	NO	0.9858	40.80	40.81	NO	1.000	1.000	20.4	102	NO
8	2,3,7,8-TCDF	1.90e4	1.17e6	0.77	0.75	NO	0.8460	25.29	25.30	NO	1.000	1.001	1.92	99.0	NO
9	1,2,3,7,8-PeCDF	8.91e4	9.03e5	1.55	1.63	NO	0.9597	29.47	29.48	NO	1.000	1.000	10.3	103	NO
10	2,3,4,7,8-PeCDF	9.54e4	8.55e5	1.55	1.63	NO	1.0871	30.53	30.55	NO	1.000	1.000	10.5	105	NO
11	1,2,3,4,7,8-HxCDF	6.08e4	5.80e5	1.24	1.26	NO	0.9859	33.14	33.15	NO	1.000	1.000	10.6	106	NO
12	1,2,3,6,7,8-HxCDF	6.64e4	6.28e5	1.24	1.27	NO	1.0388	33.27	33.29	NO	1.000	1.001	10.2	102	NO
13	2,3,4,6,7,8-HxCDF	5.87e4	5.85e5	1.24	1.26	NO	1.0202	33.93	33.95	NO	1.000	1.001	10.2	102	NO
14	1,2,3,7,8,9-HxCDF	5.03e4	5.05e5	1.24	1.25	NO	0.9888	34.92	34.94	NO	1.000	1.001	10.1	101	NO



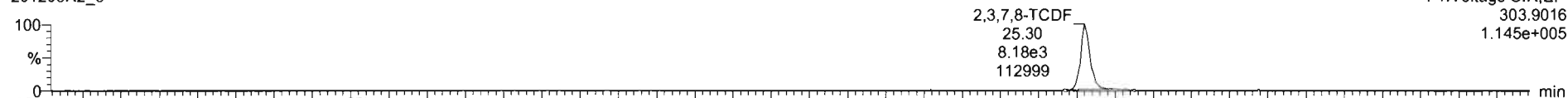
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

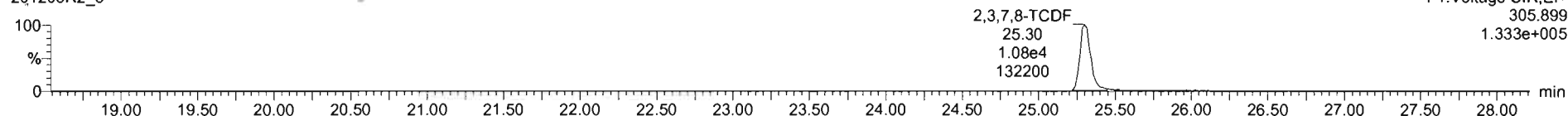
N..me: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

2,3,7,8-TCDF

201203R2_3

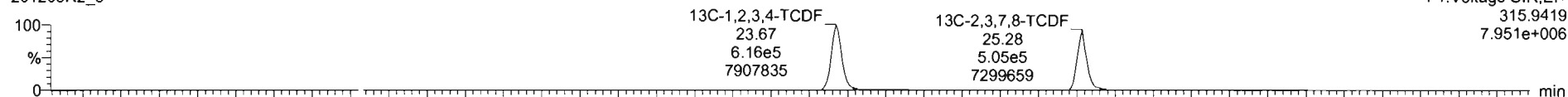


201203R2_3

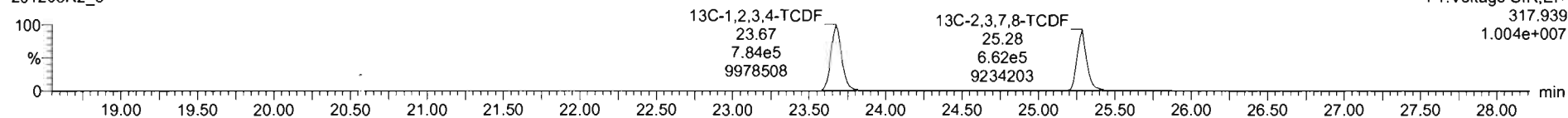


13C-2,3,7,8-TCDF

201203R2_3

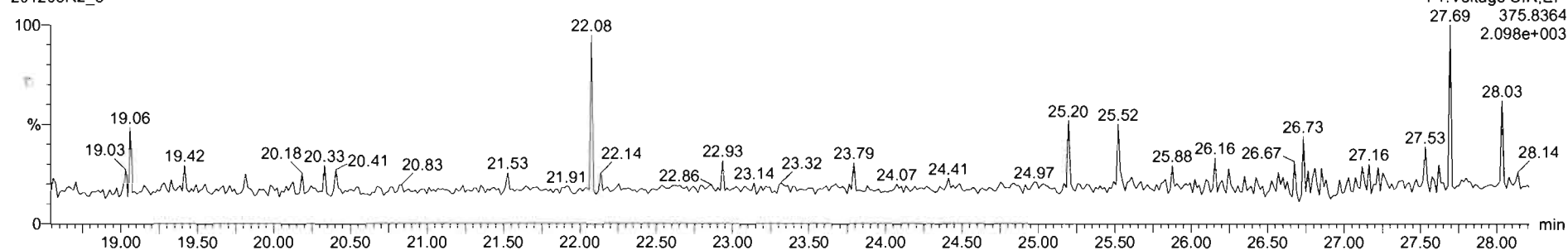


201203R2_3

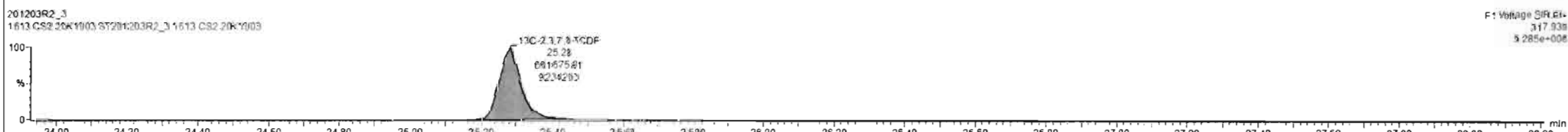
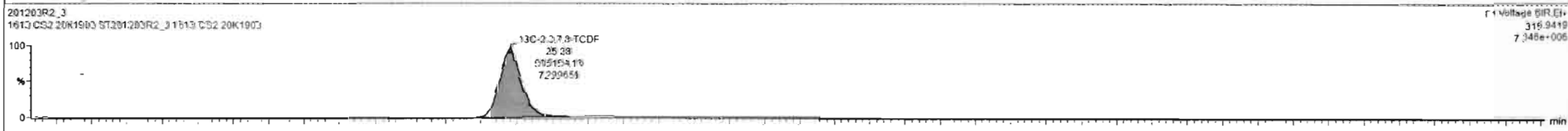
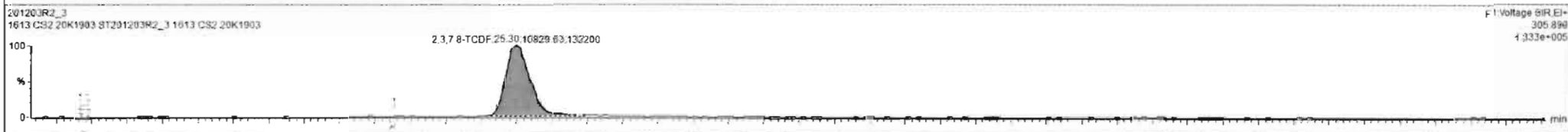


DPE1

201203R2_3



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.56e4	8.06e5	0.77	0.78	NO	0.9805	26.01	25.99	NO	1.001	1.001	2.01	100	NO
2	1,2,3,7,8-PeCDD	5.55e4	5.88e5	0.63	0.62	NO	0.9320	30.74	30.74	NO	1.000	1.000	10.1	101	NO
3	1,2,3,4,7,8-HxCDD	4.12e4	4.06e5	1.24	1.22	NO	1.0203	34.04	34.05	NO	1.000	1.001	9.96	99.6	NO
4	1,2,3,6,7,8-HxCDD	4.48e4	4.87e5	1.24	1.32	NO	0.9025	34.16	34.17	NO	1.000	1.001	10.2	102	NO
5	1,2,3,7,8,9-HxCDD	4.69e4	4.87e5	1.24	1.23	NO	0.9552	34.43	34.44	NO	1.000	1.001	10.1	101	NO
6	1,2,3,4,6,7,8-HpCDD	3.39e4	3.72e5	1.04	1.06	NO	0.9180	37.90	37.92	NO	1.000	1.001	9.91	99.1	NO
7	OCDD	5.89e4	6.66e5	0.89	0.84	NO	0.8658	40.80	40.81	NO	1.000	1.000	20.4	102	NO
8	2,3,7,8-TCDF	1.90e4	1.17e6	0.77	0.75	NO	1.2400	25.29	25.30	NO	1.000	1.001	1.92	95.0	NO
9	1,2,3,7,8-PeCDF	8.91e4	9.03e5	1.55	1.63	NO	0.9597	29.47	29.48	NO	1.000	1.000	10.3	103	NO
10	2,3,4,7,8-PeCDF	9.54e4	8.55e5	1.55	1.63	NO	1.0871	30.53	30.55	NO	1.000	1.000	10.5	105	NO
11	1,2,3,4,7,8-HxCDF	6.08e4	5.80e5	1.24	1.26	NO	0.9859	33.14	33.15	NO	1.000	1.000	10.6	106	NO
12	1,2,3,6,7,8-HxCDF	6.54e4	6.28e5	1.24	1.27	NO	1.0388	33.27	33.29	NO	1.000	1.001	10.2	102	NO
13	2,3,4,6,7,8-HxCDF	5.87e4	5.85e5	1.24	1.26	NO	1.0202	33.93	33.95	NO	1.000	1.001	10.2	102	NO
14	1,2,3,7,8-HxCDF	5.03e4	5.05e5	1.24	1.25	NO	0.9888	34.92	34.94	NO	1.000	1.001	10.1	101	NO



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

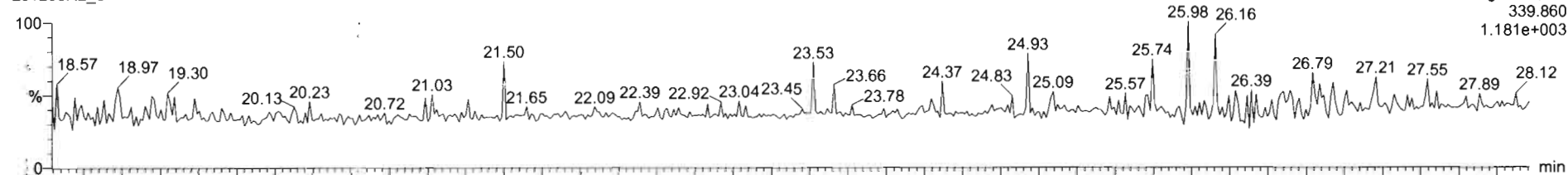
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

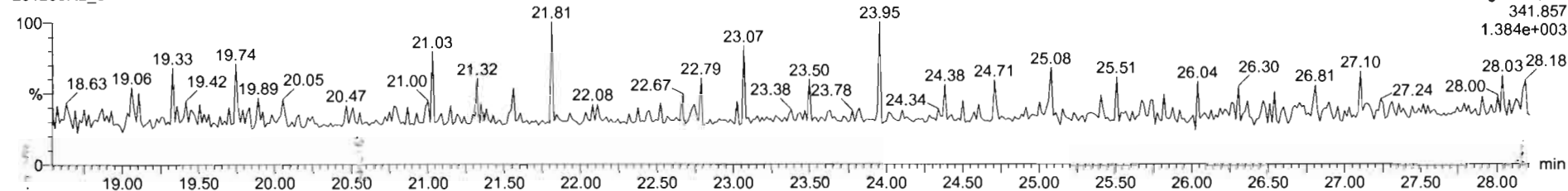
Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

1st Func. Penta-Furans

201203R2_3

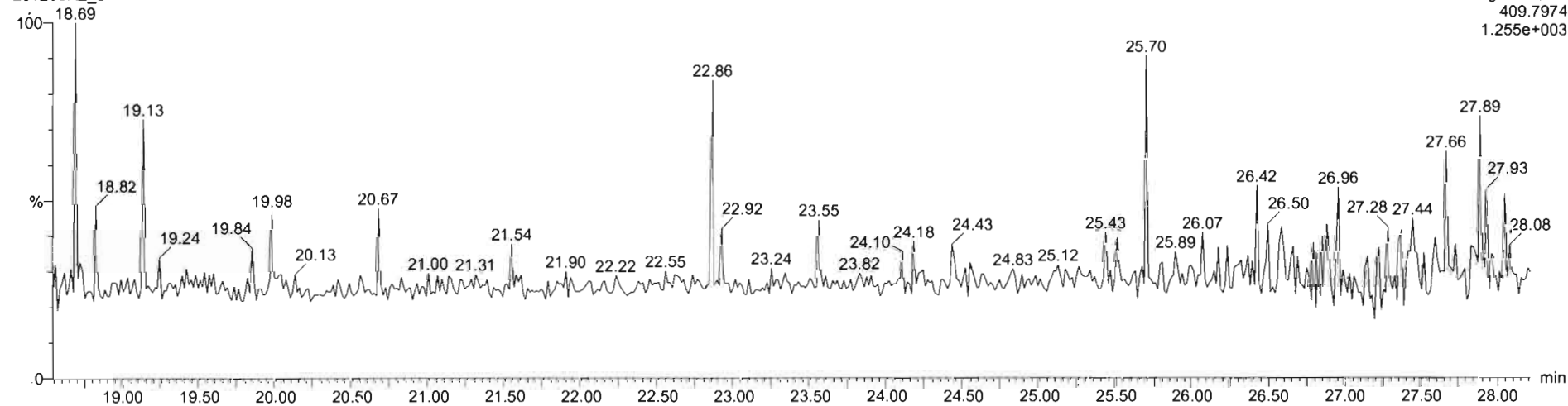


201203R2_3



DPE6

201203R2_3



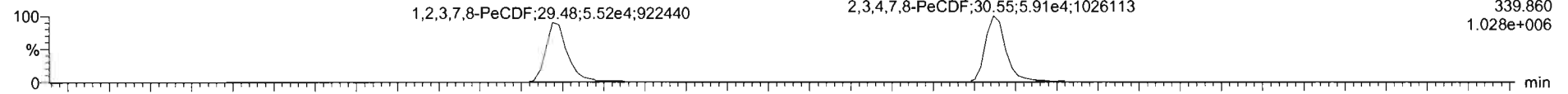
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

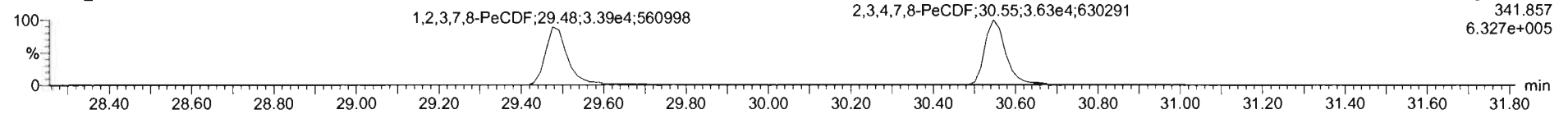
Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

1,2,3,7,8-PeCDF

201203R2_3

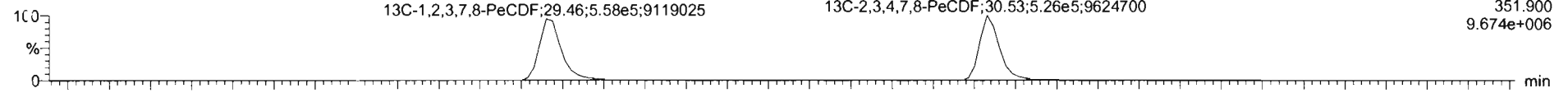


201203R2_3

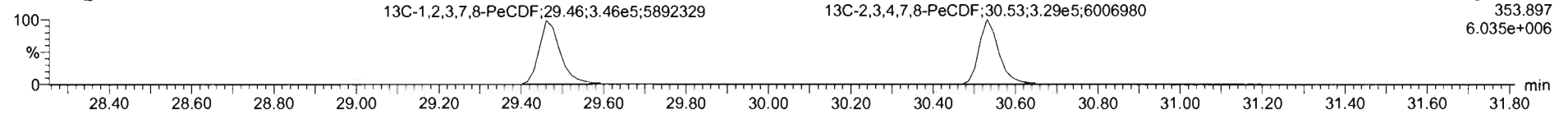


13C-1,2,3,7,8-PeCDF

201203R2_3

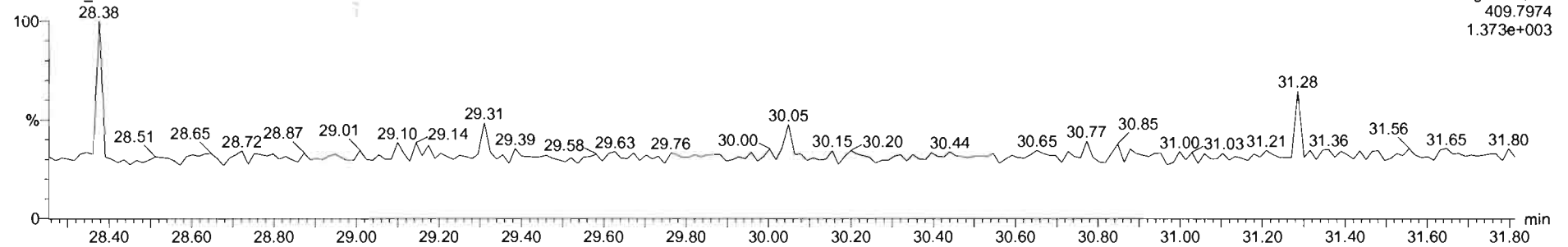


201203R2_3

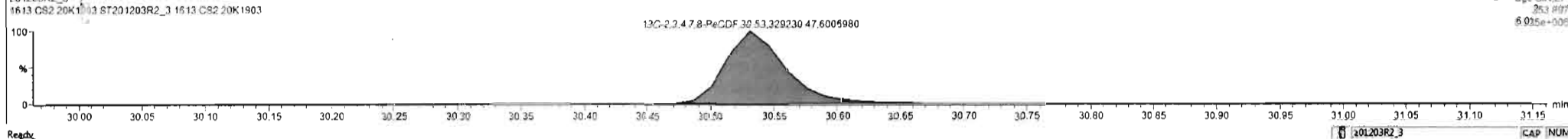
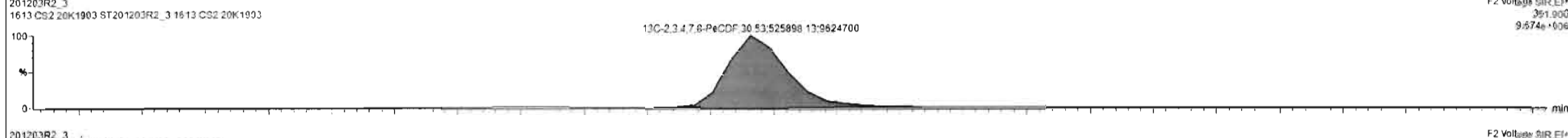
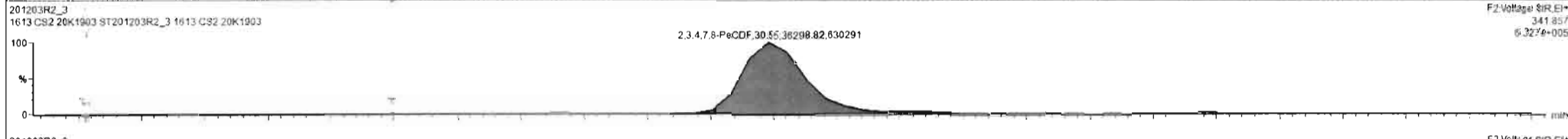
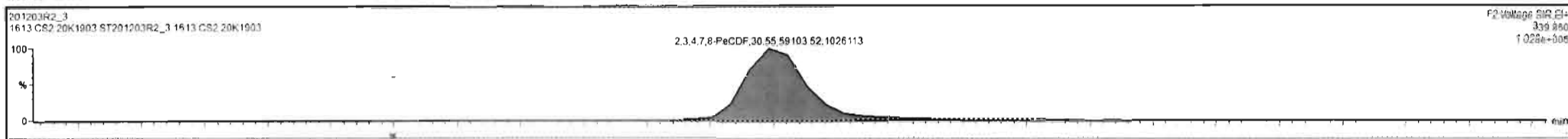


DPE2

201203R2_3



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.58e4	8.00e5	0.77	0.78	NO	0.9805	28.01	25.99	NO	1.001	1.001	2.01	100	NO
2	1,2,3,7,8-PeCDD	5.55e4	5.88e5	0.63	0.62	NO	0.9320	30.74	30.74	NO	1.000	1.000	10.1	101	NO
3	1,2,3,4,7,8-HxCDD	4.12e4	4.06e5	1.24	1.22	NO	1.0203	34.04	34.05	NO	1.000	1.001	9.96	99.6	NO
4	1,2,3,6,7,8-HxCDD	4.48e4	4.87e5	1.24	1.32	NO	0.9025	34.16	34.17	NO	1.000	1.001	10.2	102	NO
5	1,2,3,7,8,9-HxCDD	4.69e4	4.87e5	1.24	1.23	NO	0.9552	34.43	34.44	NO	1.000	1.001	10.1	101	NO
6	1,2,3,4,6,7,8-HpCDD	3.39e4	3.72e5	1.04	1.06	NO	0.9190	37.90	37.92	NO	1.000	1.001	9.91	99.1	NO
7	OCDD	5.89e4	6.66e5	0.89	0.84	NO	0.8658	40.80	40.81	NO	1.000	1.000	20.4	102	NO
8	2,3,7,8-TCDF	1.90e4	1.17e6	0.77	0.75	NO	0.8480	25.29	25.30	NO	1.000	1.001	1.92	98.0	NO
9	1,2,3,7,8-PeCDF	8.91e4	9.03e5	1.55	1.63	NO	0.9597	29.47	29.48	NO	1.000	1.000	10.3	103	NO
10	2,3,4,7,8-PeCDF	9.54e4	8.55e5	1.55	1.63	NO	1.0671	30.53	30.55	NO	1.000	1.000	10.5	105	NO
11	1,2,3,4,7,8-HxCDF	6.08e4	5.80e5	1.24	1.26	NO	0.9859	33.14	33.15	NO	1.000	1.000	10.6	106	NO
12	1,2,3,6,7,8-HxCDF	6.64e4	6.28e5	1.24	1.27	NO	1.0368	33.27	33.29	NO	1.000	1.001	10.2	102	NO
13	2,3,4,6,7,8-HxCDF	5.87e4	5.85e5	1.24	1.26	NO	1.0202	33.93	33.95	NO	1.000	1.001	10.2	102	NO
14	1,2,3,7,8,9-HxCDF	5.03e4	5.05e5	1.24	1.25	NO	0.9888	34.92	34.94	NO	1.000	1.001	12.1	101	NO



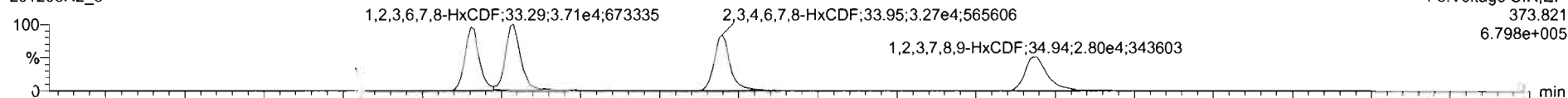
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

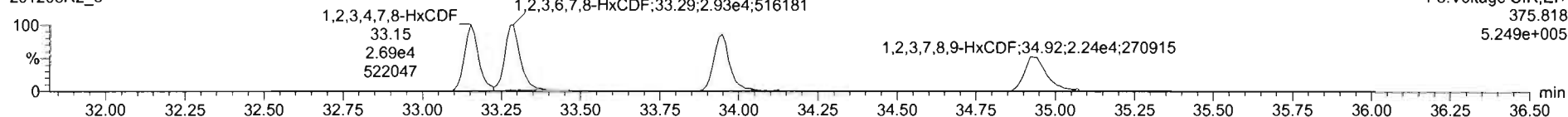
Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

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

201203R2_3

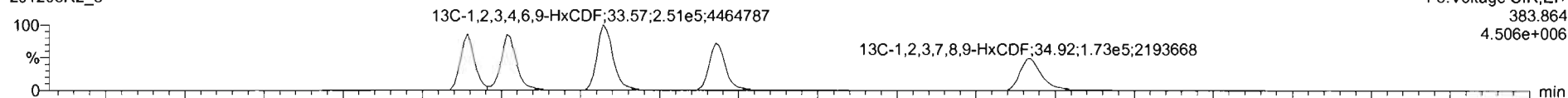


201203R2_3

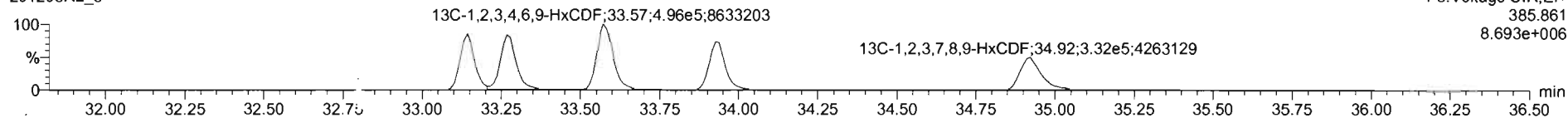


13C-1,2,3,4,7,8-HxCDF

201203R2_3

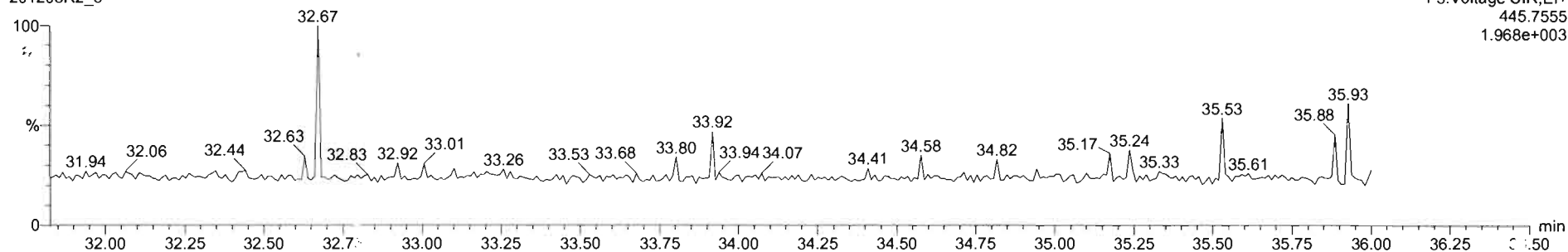


201203R2_3

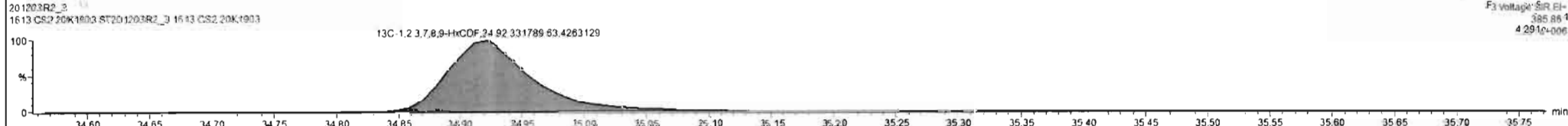


DPE3

201203R2_3



#	Name	Reso	IS Reso	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.58e4	8.00e5	0.77	0.78	NO	0.9905	26.01	25.99	NO	1.001	1.001	2.01	100	NO
2	1,2,3,7,8-PeCDD	5.55e4	5.88e5	0.63	0.62	NO	0.9320	30.74	30.74	NO	1.000	1.000	10.1	101	NO
3	1,2,3,4,7,8-HxCDD	4.12e4	4.06e5	1.24	1.22	NO	1.0203	34.04	34.05	NO	1.000	1.001	9.96	99.6	NO
4	1,2,3,6,7,8-HxCDD	4.48e4	4.87e5	1.24	1.32	NO	0.9025	34.16	34.17	NO	1.000	1.001	10.2	102	NO
5	1,2,3,7,8,9-HxCDD	4.69e4	4.87e5	1.24	1.23	NO	0.9552	34.43	34.44	NO	1.000	1.001	10.1	101	NO
6	1,2,3,4,7,8-HpCDD	3.39e4	3.72e5	1.04	1.06	NO	0.9180	37.90	37.92	NO	1.000	1.001	9.91	99.1	NO
7	OCDD	5.89e4	6.66e5	0.89	0.84	NO	0.8658	40.80	40.81	NO	1.000	1.000	20.4	102	NO
8	2,3,7,8-TCDF	1.90e4	1.17e6	0.77	0.75	NO	0.8480	25.29	25.30	NO	1.000	1.001	1.92	96.0	NO
9	1,2,3,7,8-PeCDF	8.91e4	9.03e5	1.55	1.63	NO	0.9597	29.47	29.48	NO	1.000	1.000	10.3	103	NO
10	2,3,4,7,8-PeCDF	9.54e4	8.55e5	1.55	1.63	NO	1.0671	30.53	30.55	NO	1.000	1.000	10.5	105	NO
11	1,2,3,4,7,8-HxCDF	6.08e4	5.80e5	1.24	1.26	NO	0.9859	33.14	33.15	NO	1.000	1.000	10.8	106	NO
12	1,2,3,6,7,8-HxCDF	6.64e4	6.28e5	1.24	1.27	NO	1.0368	33.27	33.29	NO	1.000	1.001	10.2	102	NO
13	2,3,4,6,7,8-HxCDF	5.87e4	5.85e5	1.24	1.26	NO	1.0202	33.93	33.95	NO	1.000	1.001	10.2	102	NO
14	1,2,3,7,8,9-HxCDF	5.03e4	5.05e5	1.24	1.25	NO	0.9889	34.92	34.94	NO	1.000	1.001	10.1	101	NO

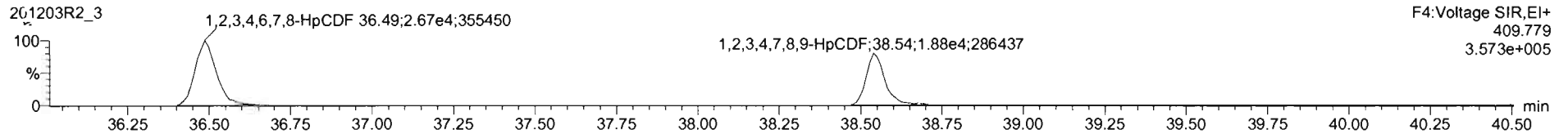
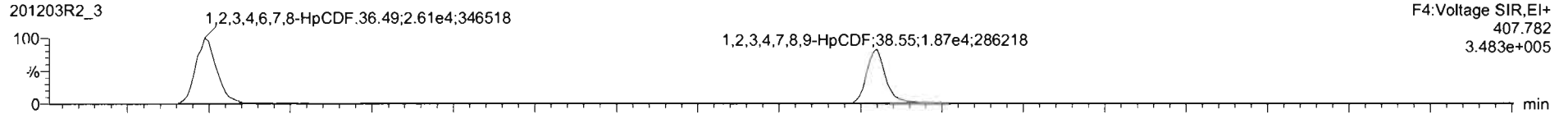


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

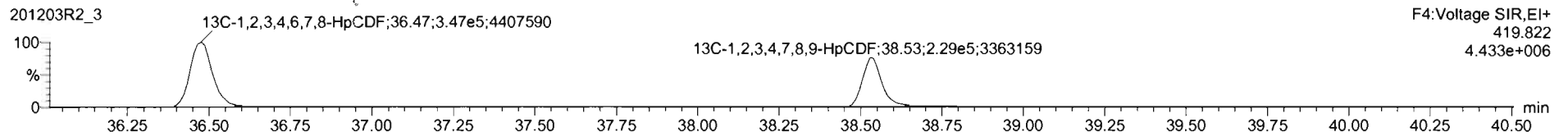
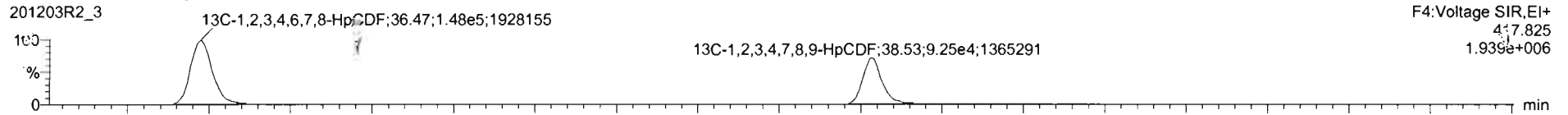
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

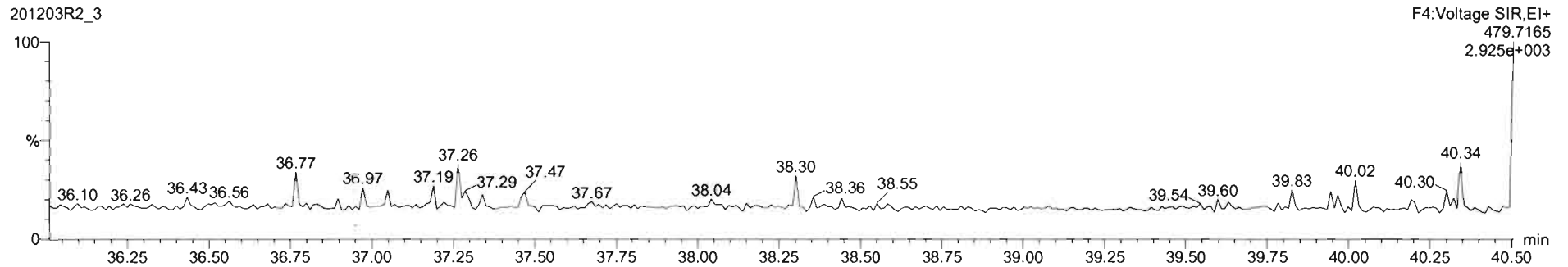
1,2,3,4,6,7,8-HpCDF



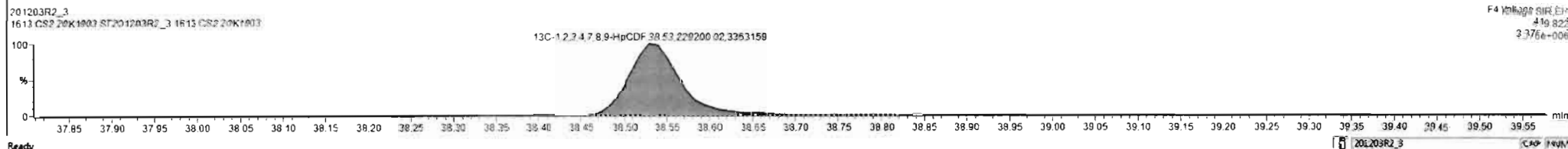
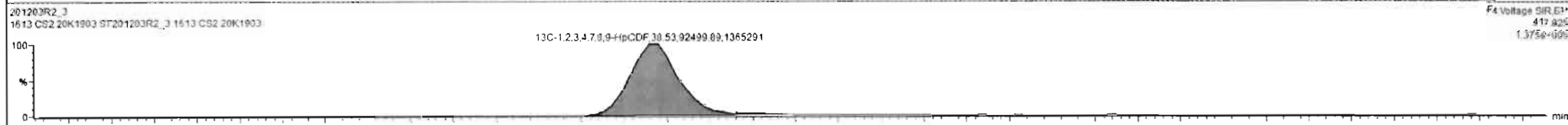
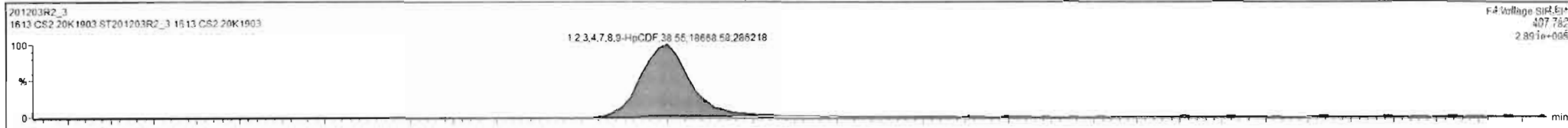
13C-1,2,3,4,6,7,8-HpCDF



DPE4



#	Name	Resp	IS Resp	Pred RA	RA	nly	RDF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
15	1,2,3,4,6,7,8-HpCDF	5.28e4	4.95e5	1.04	0.98	NO	1.0492	38.48	38.49	NO	1.000	1.000	10.2	102	NO
16	1,2,3,4,7,8,9-HpCDF	3.75e4	3.22e5	1.04	0.99	NO	1.1759	38.53	38.55	NO	1.000	1.001	9.90	99.0	NO
17	OCDF	8.64e4	7.40e5	0.89	0.86	NO	0.8960	41.09	41.10	NO	1.000	1.000	20.0	100	NO
18	13C-2,3,7,8-TCDD	8.00e5	8.35e5	0.77	0.77	NO	1.0555	25.95	25.98	NO	1.030	1.031	90.8	90.8	NO
19	13C-1,2,3,7,8-PeCDD	5.88e5	8.35e5	0.63	0.62	NO	0.7847	30.65	30.73	NO	1.216	1.219	89.8	89.8	NO
20	13C-1,2,3,4,7,8-HxCDD	4.09e5	7.47e5	1.24	1.27	NO	0.6205	34.04	34.03	NO	1.014	1.014	87.6	87.6	NO
21	13C-1,2,3,6,7,8-HxCDD	4.87e5	7.47e5	1.24	1.28	NO	0.7340	34.17	34.15	NO	1.019	1.017	88.8	88.8	NO
22	13C-1,2,3,7,8,9-HxCDD	4.87e5	7.47e5	1.24	1.26	NO	0.7225	34.42	34.42	NO	1.025	1.025	90.2	90.2	NO
23	13C-1,2,3,4,6,7,8-HpCDD	3.72e5	7.47e5	1.04	1.06	NO	0.5877	37.89	37.90	NO	1.129	1.129	87.6	87.6	NO
24	13C-OCDD	6.66e5	7.47e5	0.89	0.91	NO	0.4958	40.65	40.80	NO	1.217	1.215	180	90.0	NO
25	13C-2,3,7,8-TCDF	1.17e6	1.40e6	0.77	0.76	NO	0.9190	25.28	25.28	NO	1.003	1.003	90.7	90.7	NO
26	13C-1,2,3,7,8-PeCDF	9.03e5	1.40e6	1.55	1.61	NO	0.7151	29.39	29.46	NO	1.166	1.160	90.3	90.3	NO
27	13C-2,3,4,7,8-PeCDF	8.55e5	1.40e6	1.55	1.60	NO	0.8895	30.44	30.53	NO	1.208	1.212	88.8	88.8	NO
28	13C-1,2,3,4,7,8-HxCDF	5.80e5	7.47e5	0.51	0.50	NO	0.8734	33.13	33.14	NO	0.987	0.987	88.8	88.8	NO



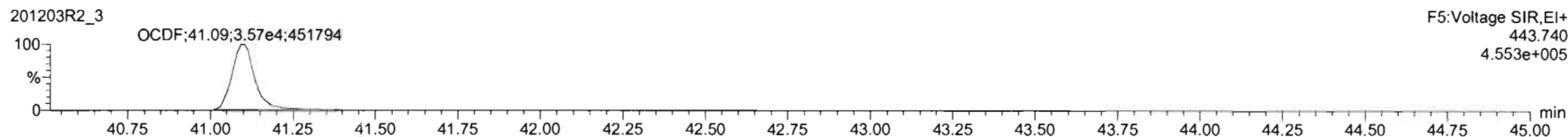
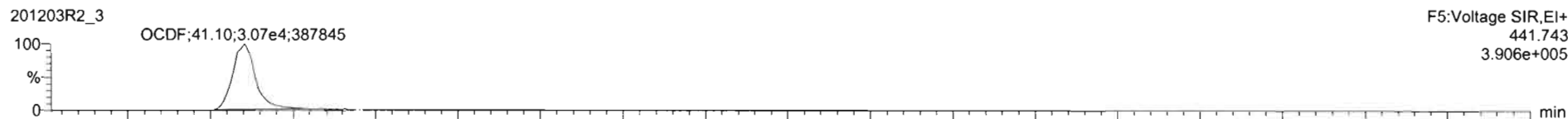
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

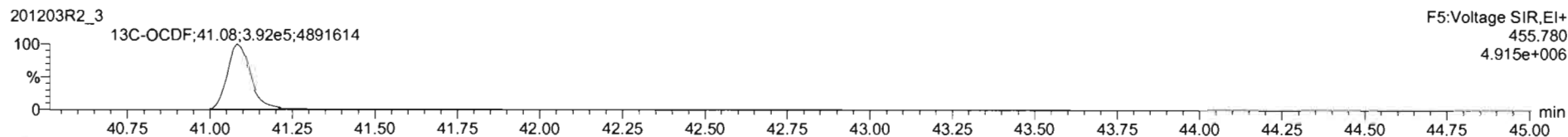
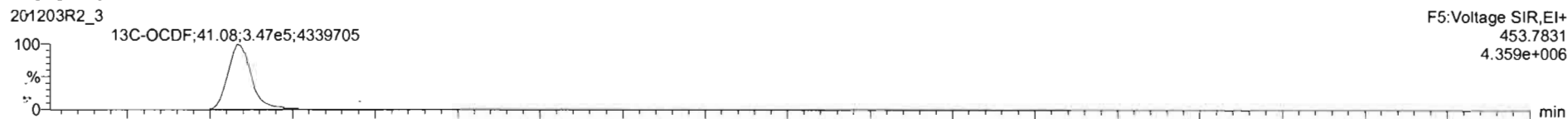
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903

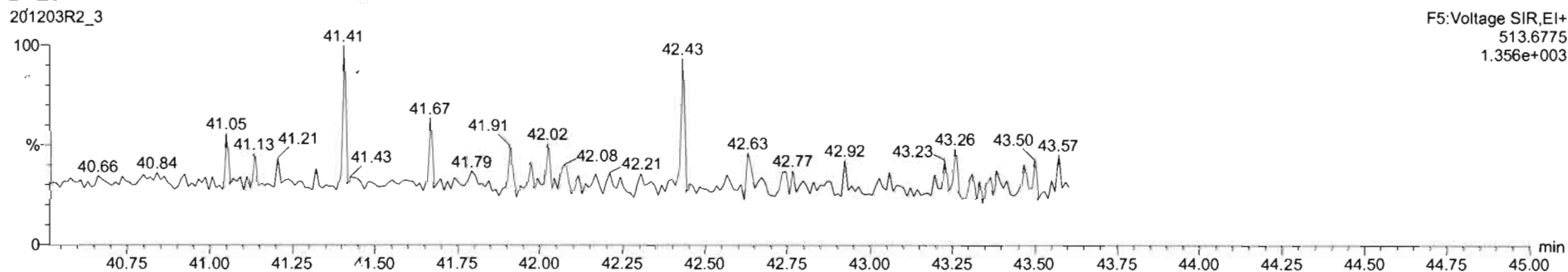
OCDF



¹³C-OCDF



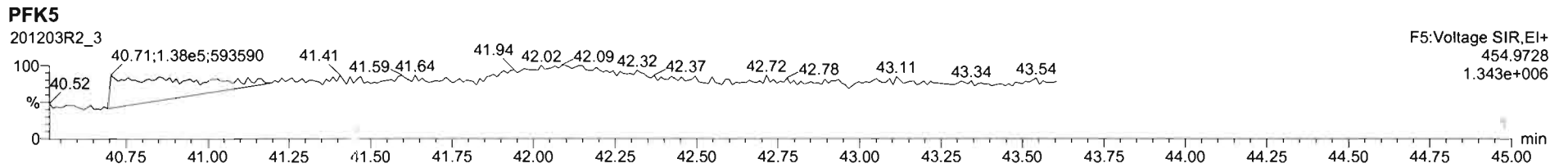
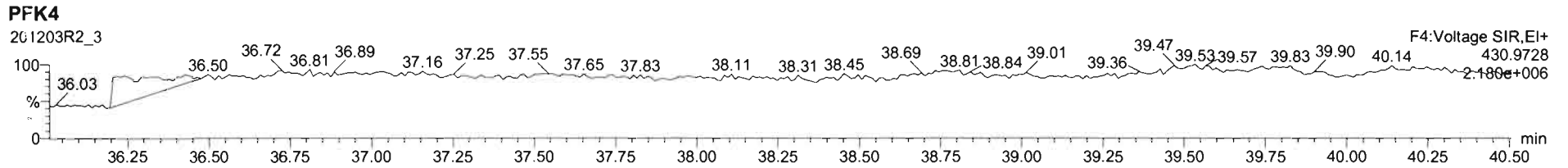
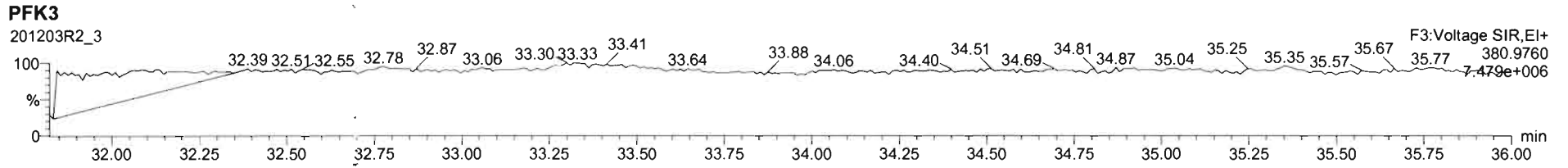
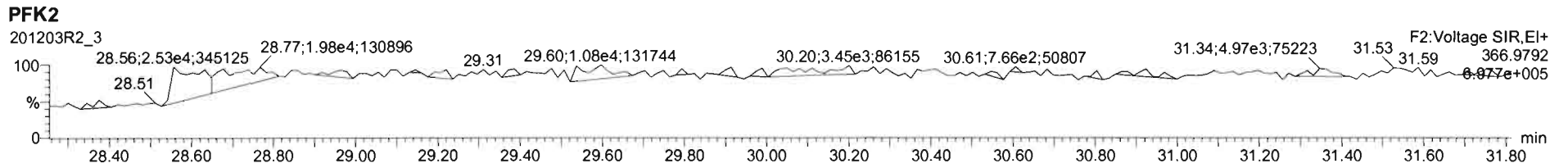
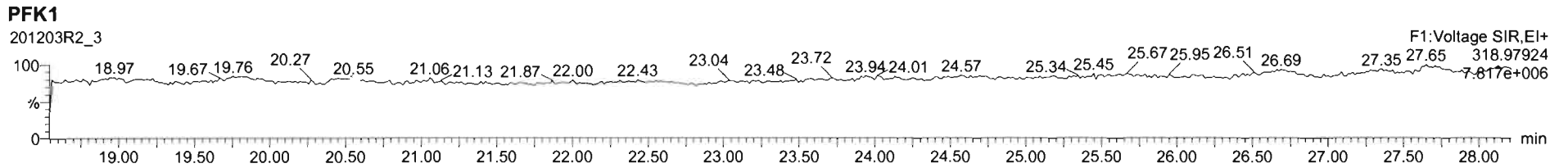
DPE5



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_3, Date: 03-Dec-2020, Time: 12:14:40, ID: ST201203R2_3 1613 CS2 20K1903, Description: 1613 CS2 20K1903



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

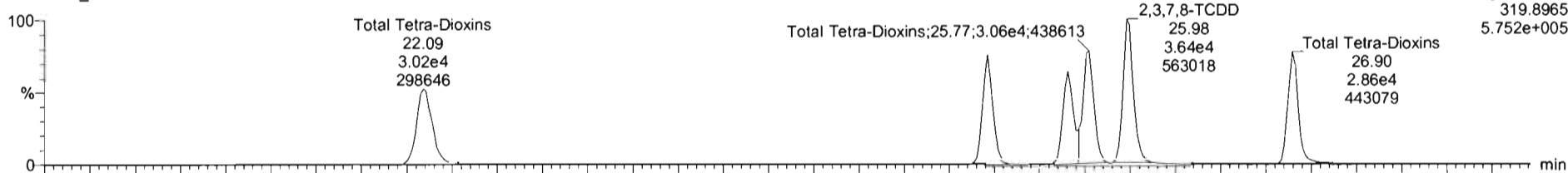
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

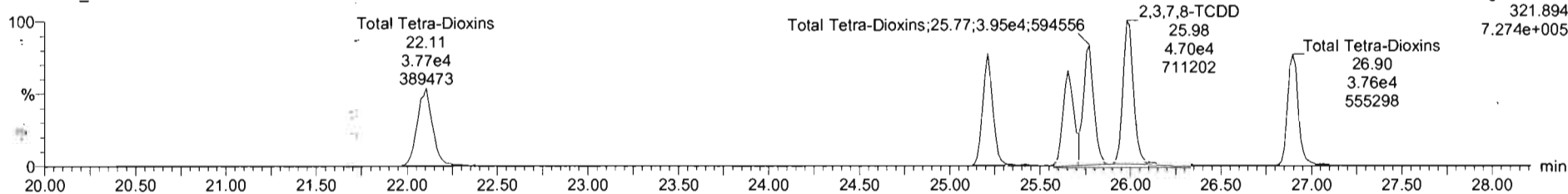
Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

2,3,7,8-TCDD

201203R2_6

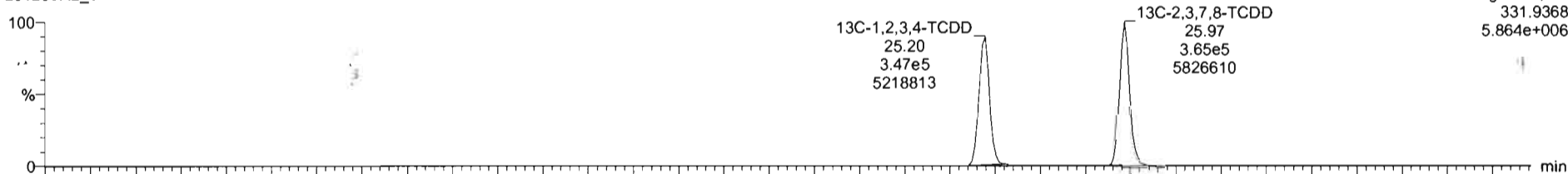


201203R2_6

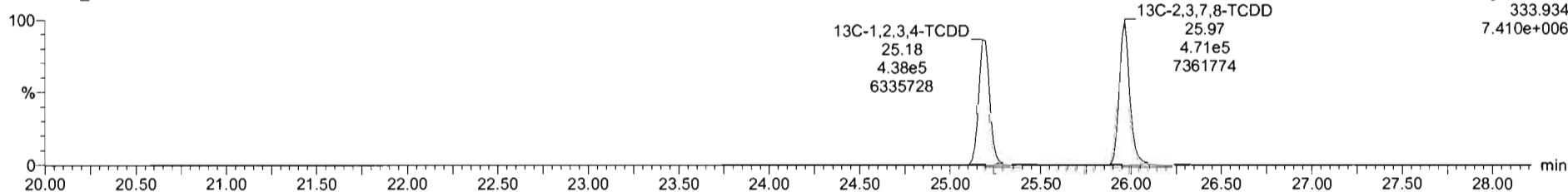


13C-2,3,7,8-TCDD

201203R2_6



201203R2_6



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

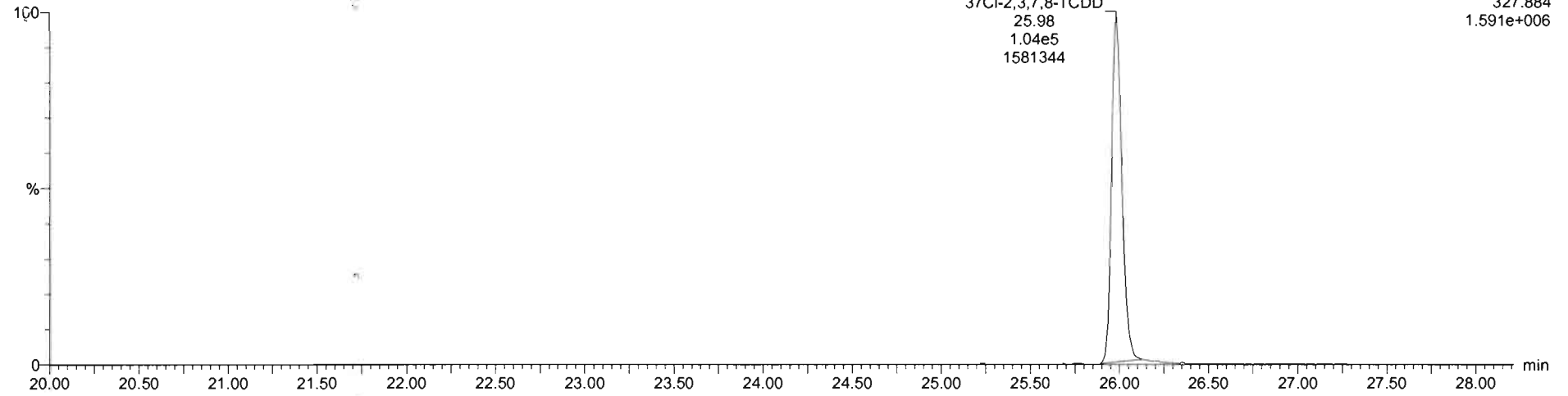
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

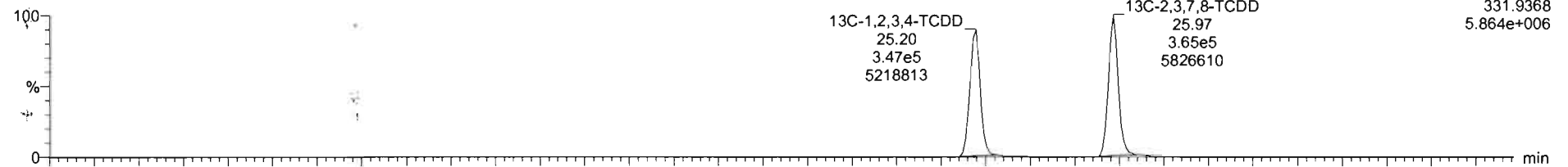
37Cl-2,3,7,8-TCDD

201203R2_6

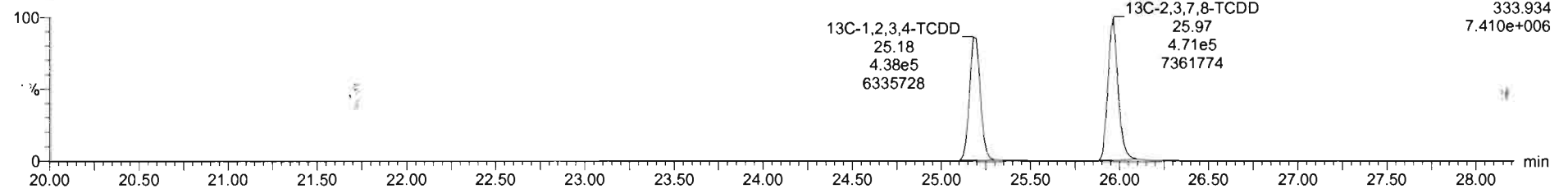


13C-1,2,3,4-TCDD

201203R2_6



201203R2_6



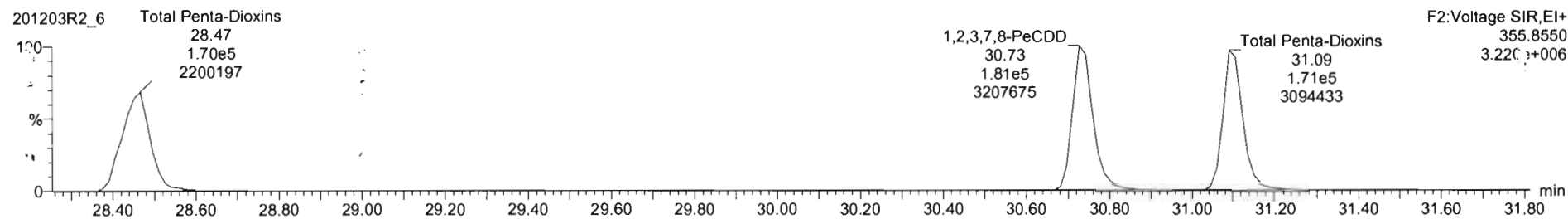
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

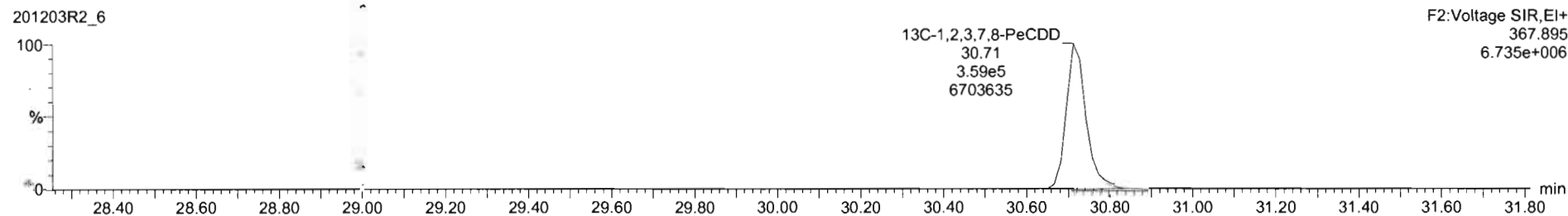
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1,2,3,7,8-PeCDD



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



Dataset: Untitled

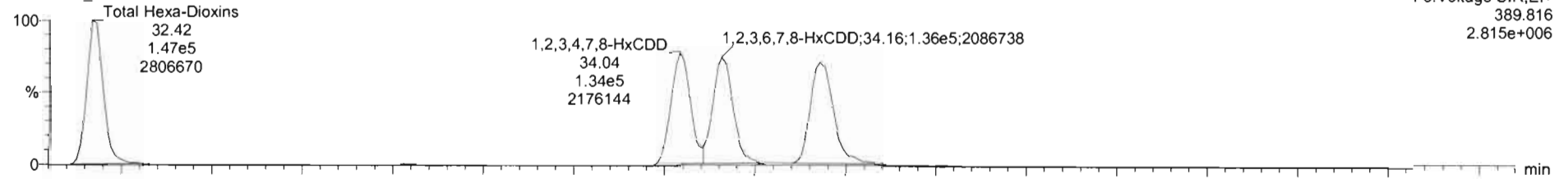
Last Altered: Tuesday, December 08, 2020 09:16:02 Pacific Standard Time

Printed: Tuesday, December 08, 2020 09:16:39 Pacific Standard Time

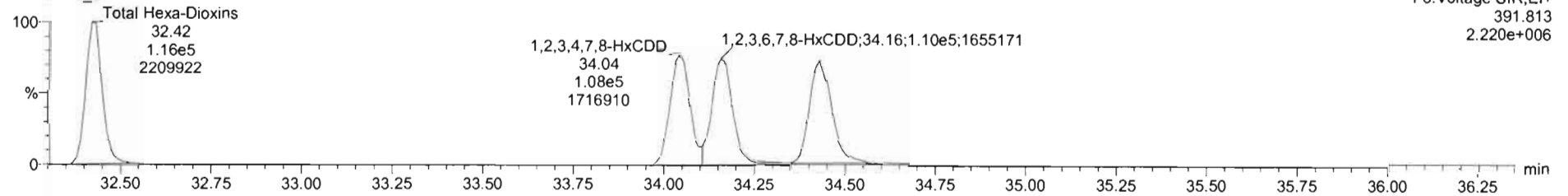
Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201203R2_6

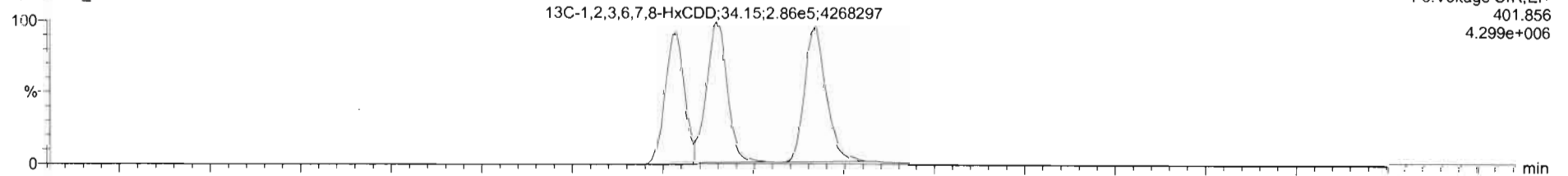


201203R2_6

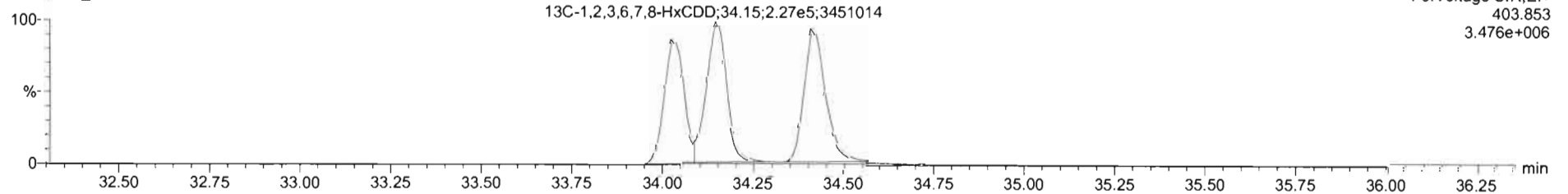


13C-1,2,3,4,7,8-HxCDD

201203R2_6

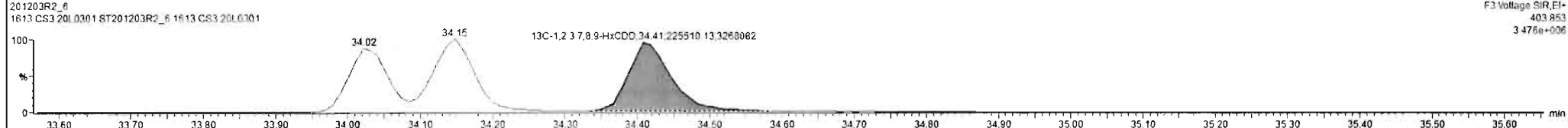
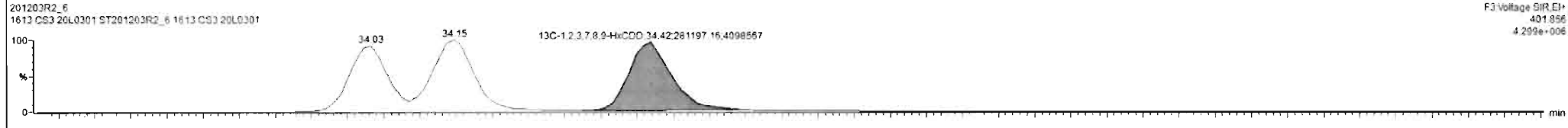
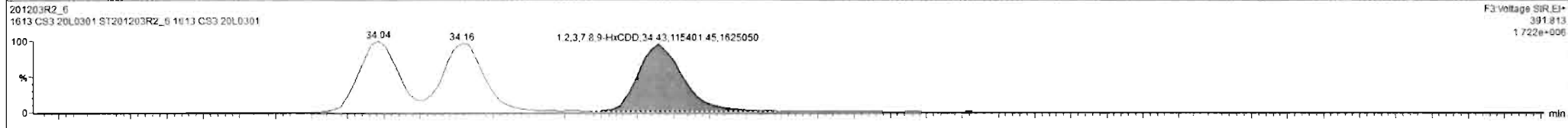
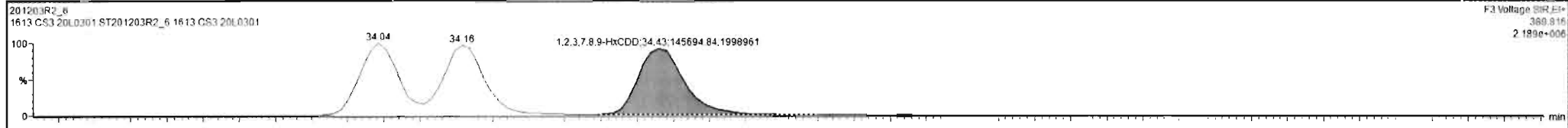


201203R2_6



201203R2_6 - ST201203R2_6 1613 CS3 20L0301 - 1613 CS3 20L0301

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1 2,3,7,8-TCDD	8.33e4	8.36e5	0.77	0.77	NO	0.9805	25.99	25.98	NO	1.001	1.001	10.2	102	NO
2	2 1,2,3,7,8-PeCDD	2.93e5	5.89e5	0.63	0.61	NO	0.9320	30.72	30.73	NO	1.000	1.000	53.4	107	NO
3	3 1,2,3,4,7,8-HxCDD	2.42e5	4.26e5	1.24	1.23	NO	1.0203	34.04	34.04	NO	1.000	1.000	55.8	112	NO
4	4 1,2,3,6,7,8-HxCDD	2.46e5	5.13e5	1.24	1.24	NO	0.9025	34.16	34.16	NO	1.000	1.000	53.0	106	NO
5	5 1,2,3,7,8,9-HxCDD	2.81e5	5.07e5	1.24	1.26	NO	0.9542	34.43	34.43	NO	1.000	1.000	54.0	108	NO
6	6 1,2,3,4,6,7,8-HpCDD	1.90e5	3.92e5	1.04	1.02	NO	0.9180	37.89	37.91	NO	1.000	1.001	52.8	108	NO
7	7 OCDD	3.12e5	6.62e5	0.89	0.88	NO	0.8658	40.80	40.81	NO	1.000	1.000	109	109	NO
8	8 2,3,7,8-TCDF	1.10e5	1.21e6	0.77	0.75	NO	0.8480	25.28	25.30	NO	1.000	1.001	10.8	108	NO
9	9 1,2,3,7,8-PeCDF	4.70e5	9.04e5	1.55	1.61	NO	0.9597	29.47	29.46	NO	1.000	1.000	54.1	108	NO
10	10 2,3,4,7,8-PeCDF	5.09e5	8.75e5	1.55	1.56	NO	1.0671	30.52	30.53	NO	1.000	1.000	54.5	109	NO
11	11 1,2,3,4,7,8-HxCDF	3.29e5	8.08e5	1.24	1.23	NO	0.9859	33.13	33.15	NO	1.000	1.001	54.8	110	NO
12	12 1,2,3,6,7,8-HxCDF	3.68e5	6.44e5	1.24	1.24	NO	1.0388	33.26	33.28	NO	1.000	1.001	54.9	110	NO
13	13 2,3,4,6,7,8-HxCDF	3.27e5	5.97e5	1.24	1.25	NO	1.0202	33.92	33.94	NO	1.000	1.001	53.8	108	NO
14	14 1,2,3,7,8,9-HxCDF	2.95e5	5.53e5	1.24	1.25	NO	0.9909	34.91	34.92	NO	1.000	1.000	53.9	108	NO



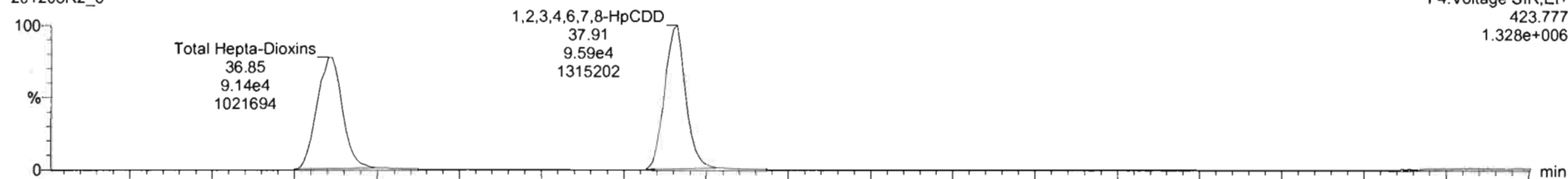
D: taset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

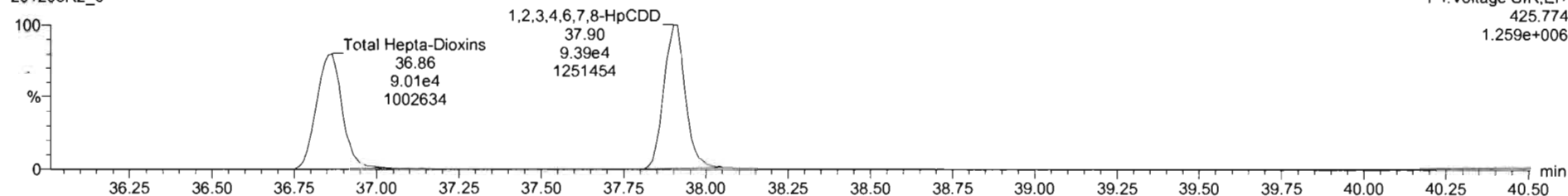
1,2,3,4,6,7,8-HpCDD

2C1203R2_6



F4:Voltage SIR,EI+
423.777
1.328e+006

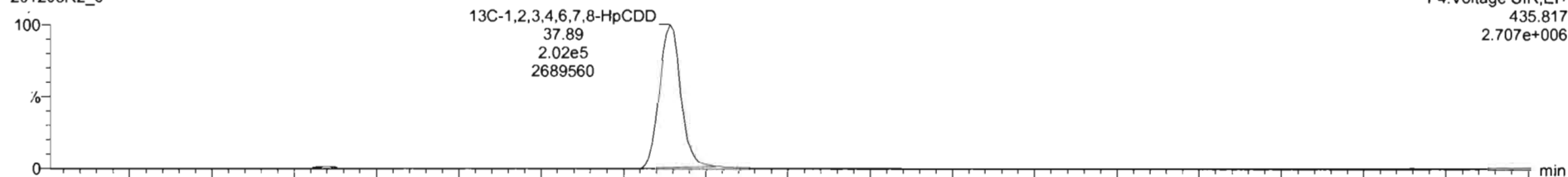
201203R2_6



F4:Voltage SIR,EI+
425.774
1.259e+006

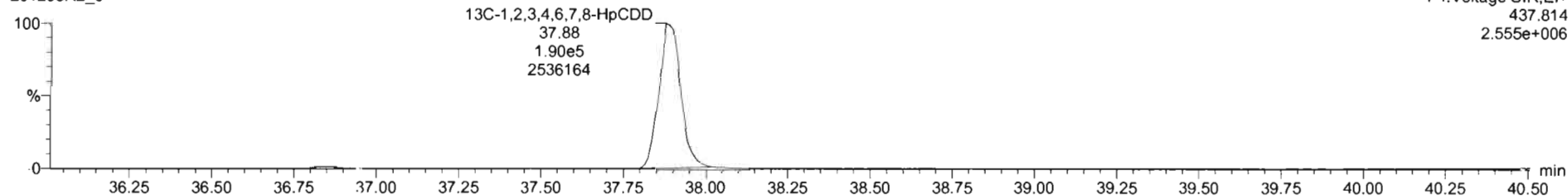
13C-1,2,3,4,6,7,8-HpCDD

201203R2_6



F4:Voltage SIR,EI+
435.817
2.707e+006

201203R2_6



F4:Voltage SIR,EI+
437.814
2.555e+006

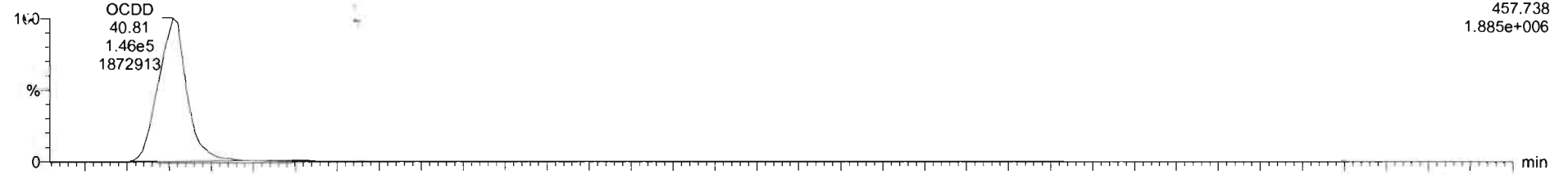
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

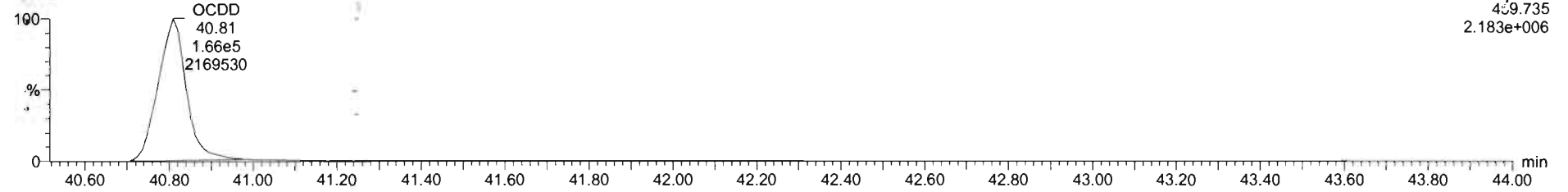
Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

OCDD

201203R2_6

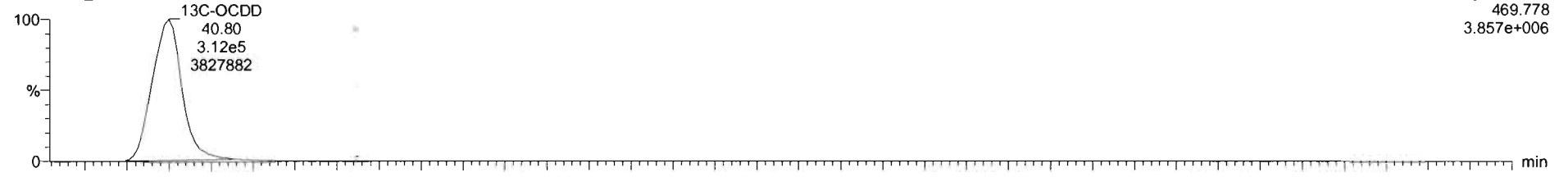


201203R2_6

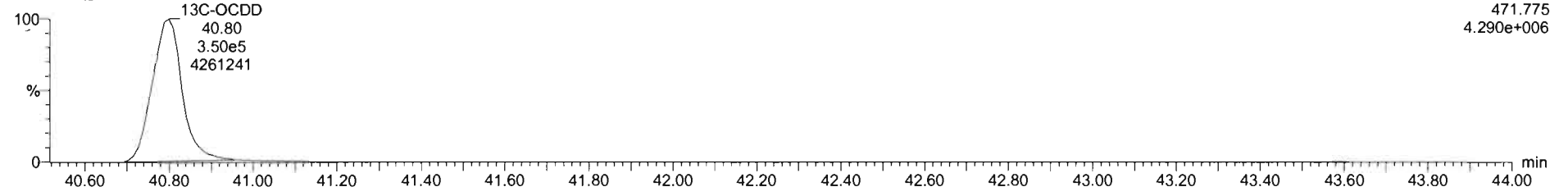


13C-OCDD

201203R2_6



201203R2_6

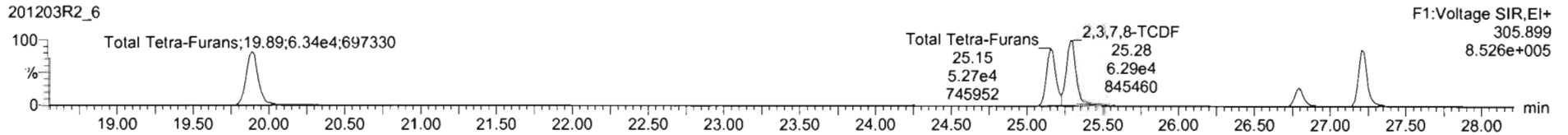
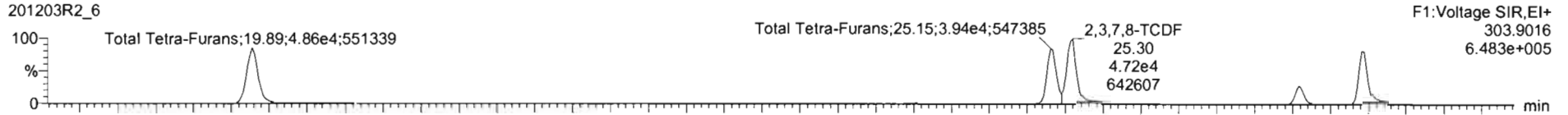


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

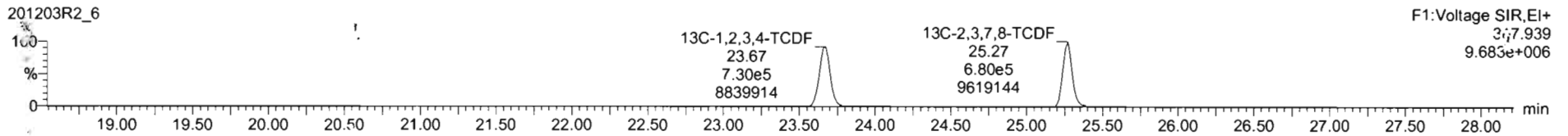
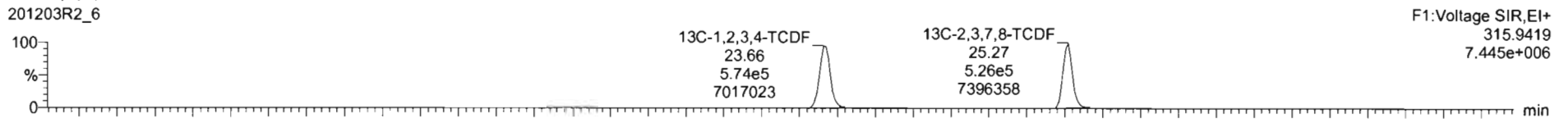
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

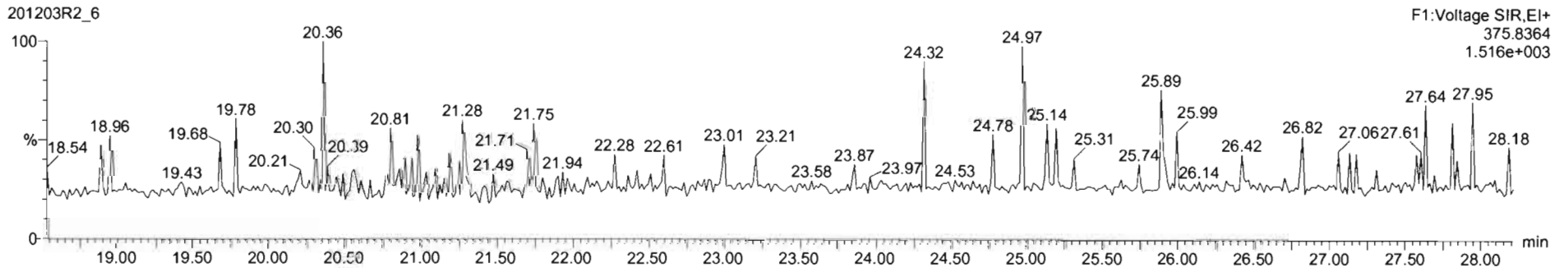
2,3,7,8-TCDF



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



DPE1



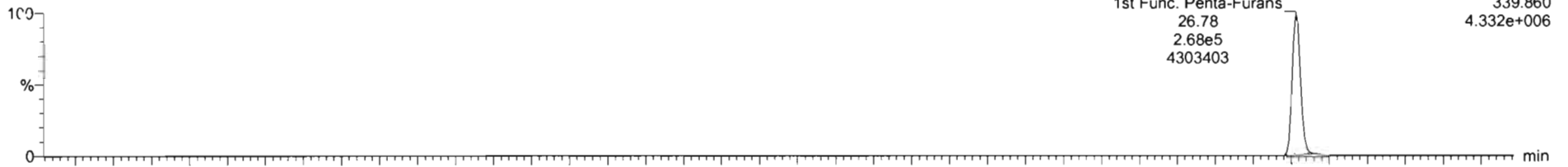
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

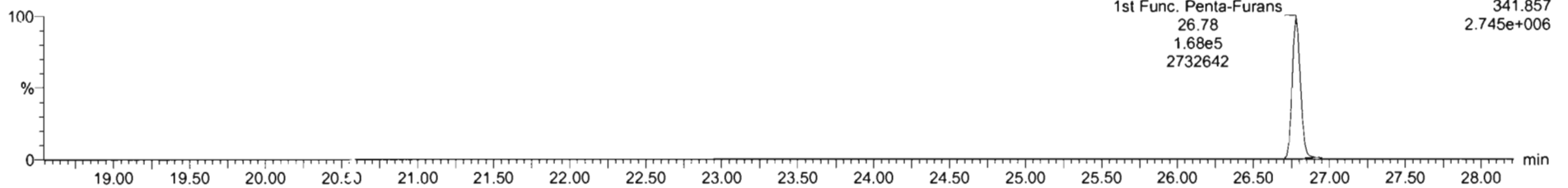
Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

1st Func. Penta-Furans

201203R2_6

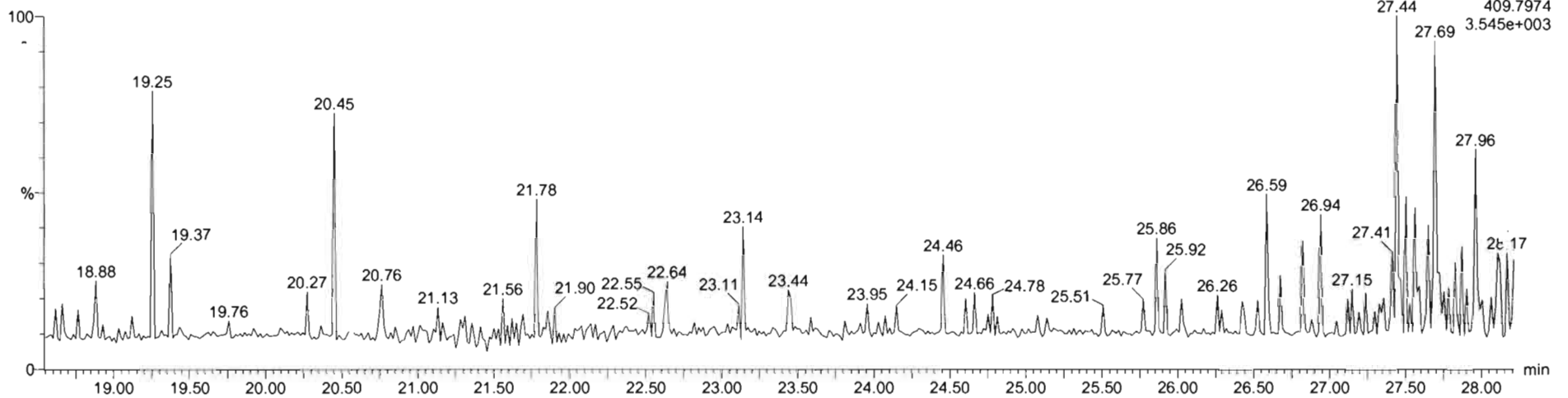


201203R2_6



DPE6

201203R2_6

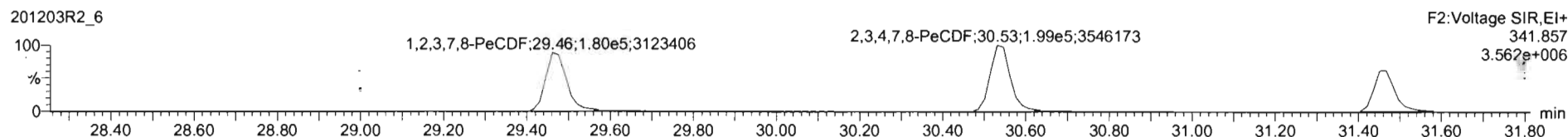


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

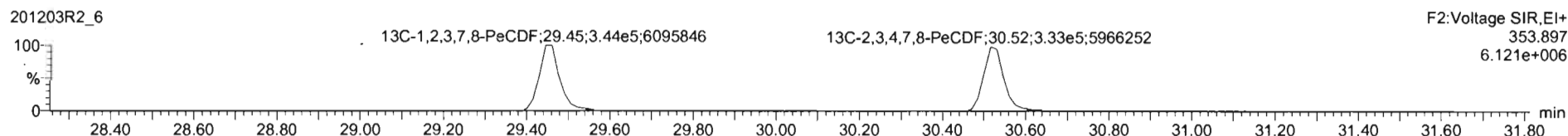
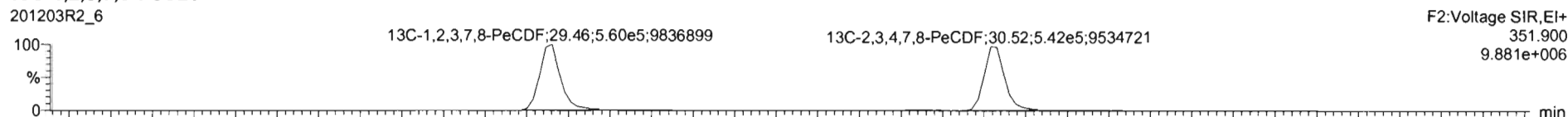
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

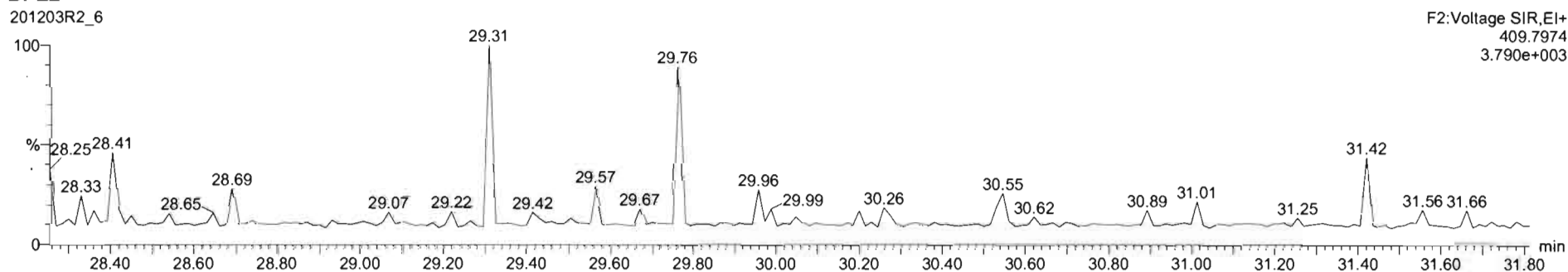
1,2,3,7,8-PeCDF



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



DPE2



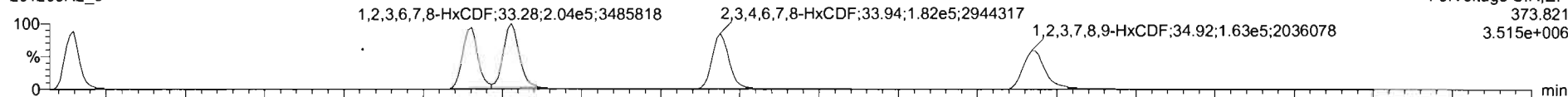
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

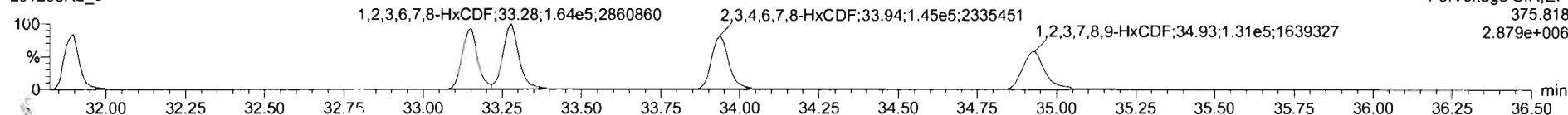
Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

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

201203R2_6

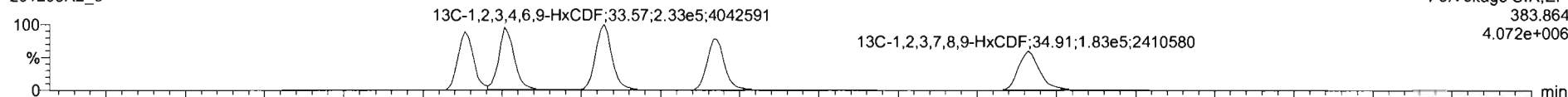


201203R2_6

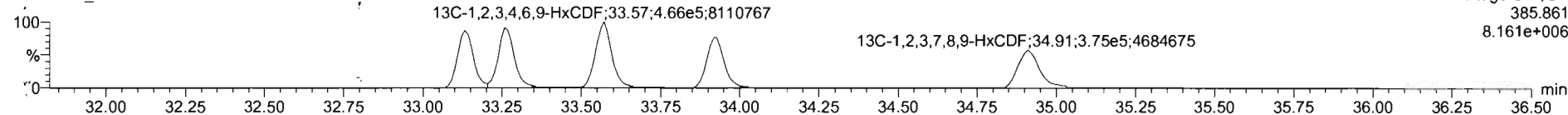


13C-1,2,3,4,7,8-HxCDF

201203R2_6

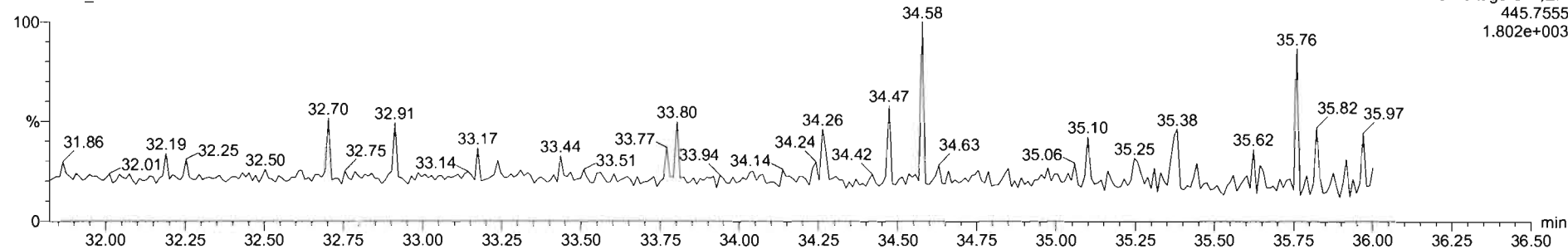


201203R2_6



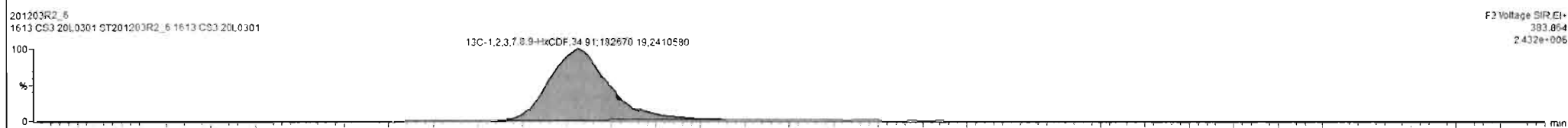
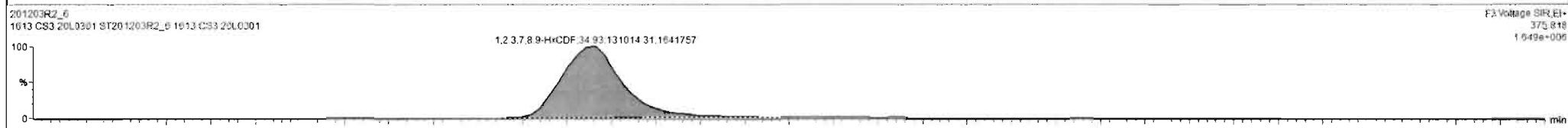
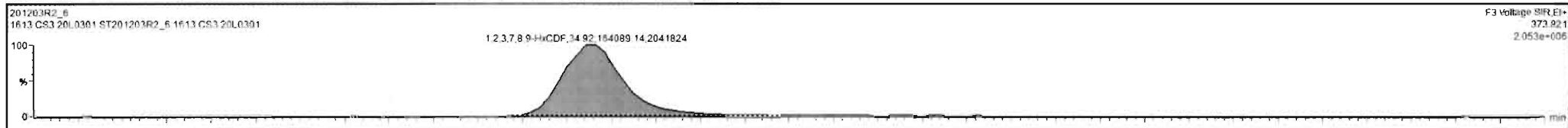
DPE3

201203R2_6



201203R2_6 - ST201203R2_6 1613 CS3 20L0301 - 1613 CS3 20L0301

#	Name	Resp	IS Resp	Pred RA	RA	ivy	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conn	%Rec	STD out
1	2,3,7,8-TCDD	8.33e4	8.36e5	0.77	0.77	NO	0.9805	25.99	25.98	NO	1.001	1.001	10.2	102	NO
2	1,2,3,7,8-PeCDD	2.93e5	5.89e5	0.63	0.61	NO	0.9320	30.72	30.73	NO	1.000	1.000	53.4	107	NO
3	1,2,3,4,7,8-HxCDD	2.42e5	4.26e5	1.24	1.23	NO	1.0203	34.04	34.04	NO	1.000	1.000	55.8	112	NO
4	1,2,3,6,7,8-HxCDD	2.46e5	5.13e5	1.24	1.24	NO	0.9025	34.16	34.16	NO	1.000	1.000	53.0	106	NO
5	1,2,3,7,8,9-HxCDD	2.61e5	5.07e5	1.24	1.26	NO	0.9542	34.43	34.43	NO	1.000	1.000	54.0	108	NO
6	1,2,3,4,6,7,8-HpCDD	1.90e5	3.92e5	1.04	1.02	NO	0.9180	37.89	37.91	NO	1.000	1.001	52.8	106	NO
7	OCDD	3.12e5	6.62e5	0.89	0.88	NO	0.8658	40.80	40.81	NO	1.000	1.000	109	109	NO
8	2,3,7,8-TCDF	1.10e5	1.21e6	0.77	0.75	NO	0.8480	25.28	25.30	NO	1.000	1.001	10.8	108	NO
9	1,2,3,7,8-PeCDF	4.70e5	9.04e5	1.55	1.61	NO	0.9597	29.47	29.46	NO	1.000	1.000	54.1	108	NO
10	1,2,3,4,7,8-HxCDF	5.09e5	8.75e5	1.55	1.56	NO	1.0871	30.52	30.53	NO	1.000	1.000	54.5	109	NO
11	1,2,3,4,7,8-HxCDF	3.29e5	6.08e5	1.24	1.23	NO	0.9859	33.13	33.15	NO	1.000	1.001	54.8	110	NO
12	1,2,3,6,7,8-HxCDF	3.68e5	6.44e5	1.24	1.24	NO	1.0388	33.26	33.28	NO	1.000	1.001	54.9	110	NO
13	1,2,3,4,6,7,8-HxCDF	3.27e5	5.97e5	1.24	1.25	NO	1.0202	33.92	33.94	NO	1.000	1.001	53.8	108	NO
14	1,2,3,7,8,9-HxCDF	2.95e5	5.53e5	1.24	1.25	NO	0.9909	34.91	34.92	NO	1.000	1.000	53.9	108	NO

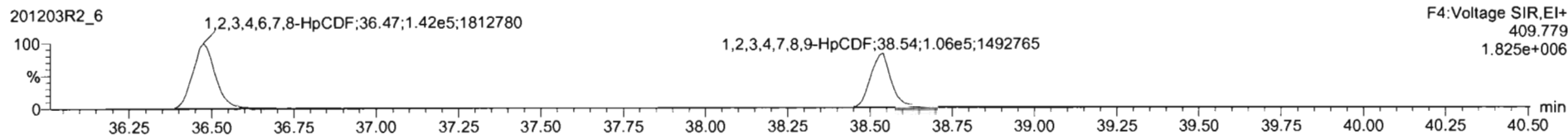
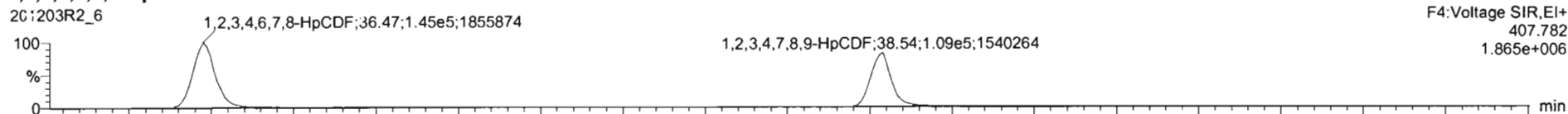


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

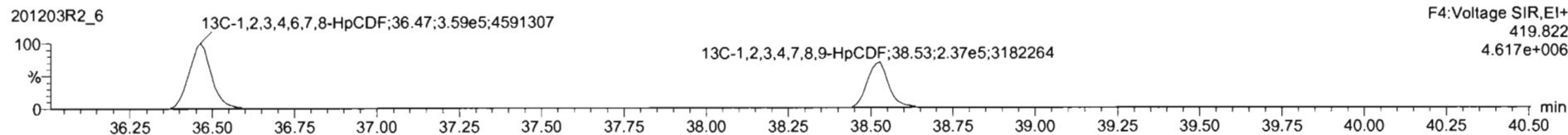
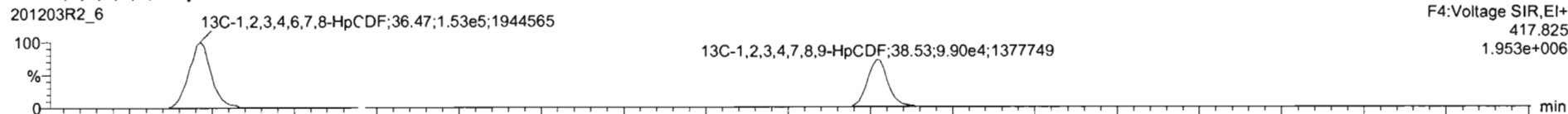
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301

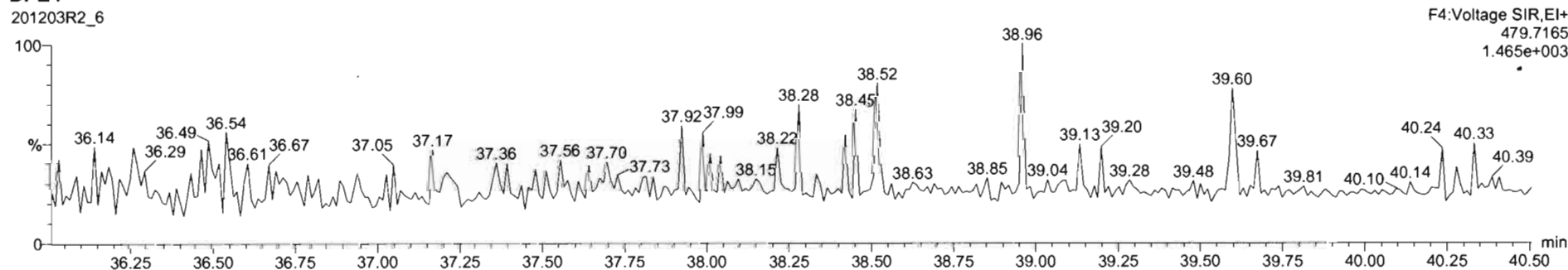
1,2,3,4,6,7,8-HpCDF



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



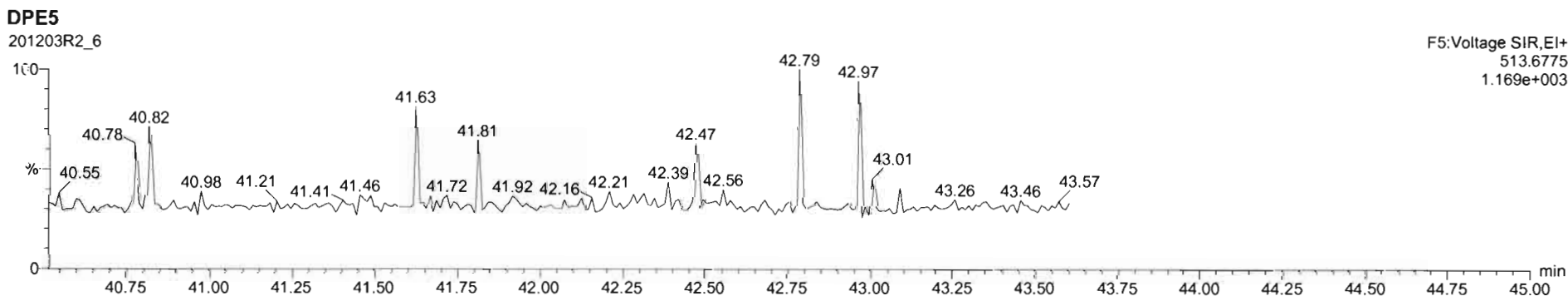
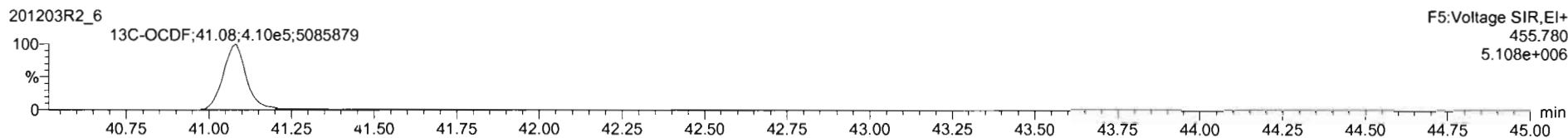
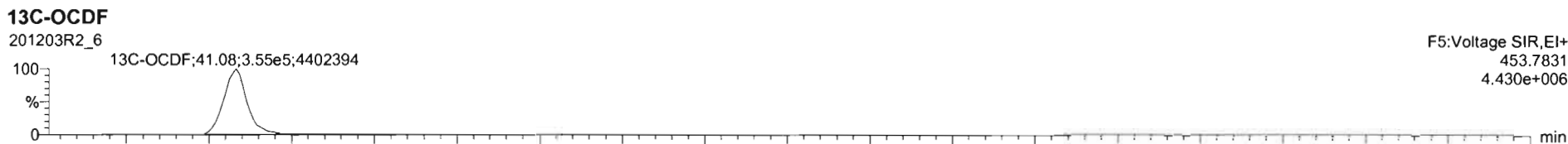
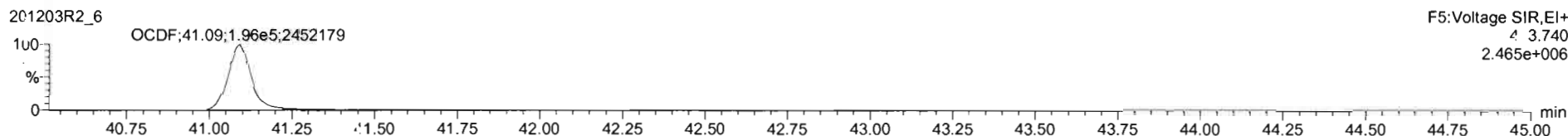
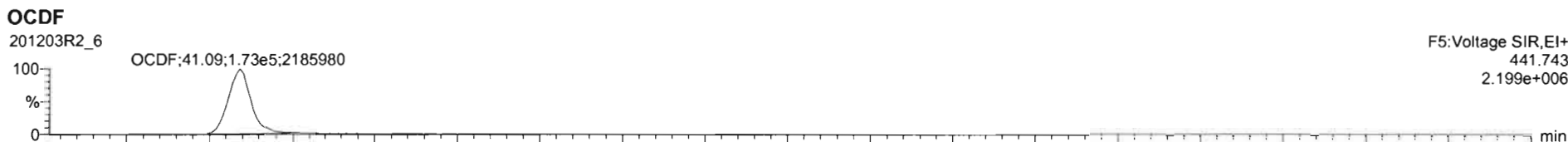
DPE4



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

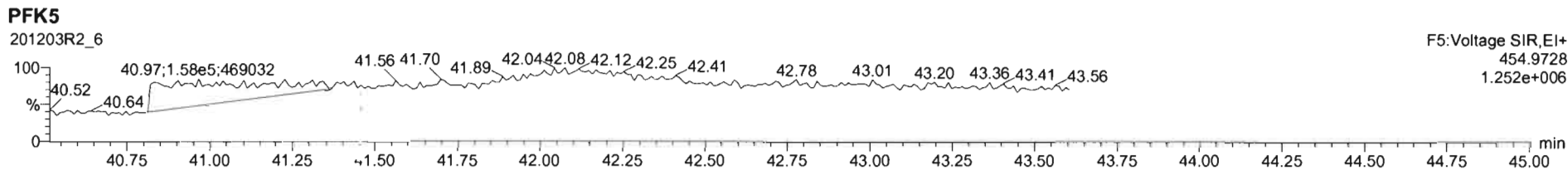
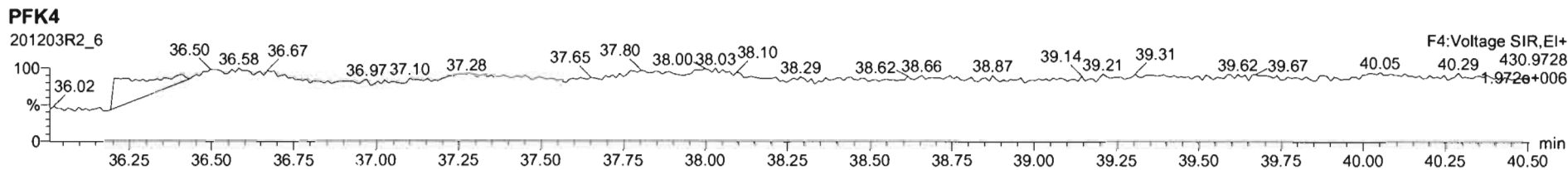
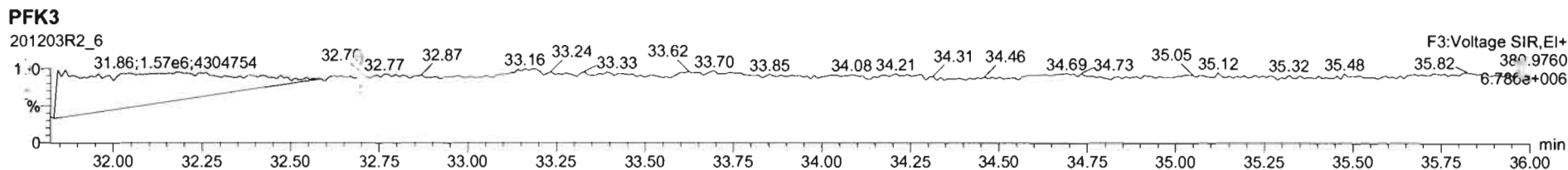
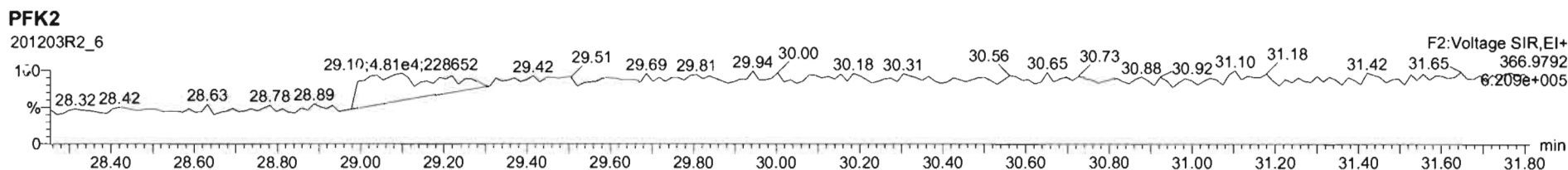
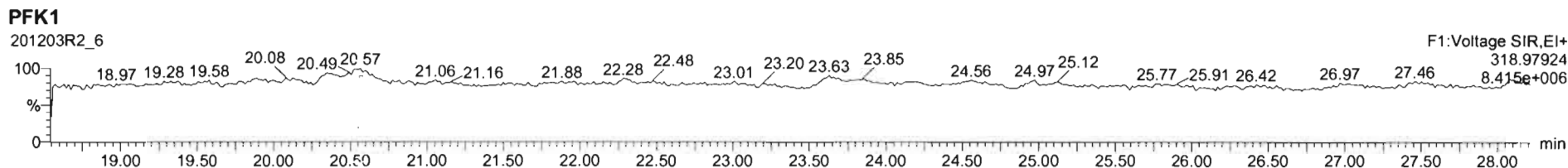
Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_6, Date: 03-Dec-2020, Time: 14:35:05, ID: ST201203R2_6 1613 CS3 20L0301, Description: 1613 CS3 20L0301



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

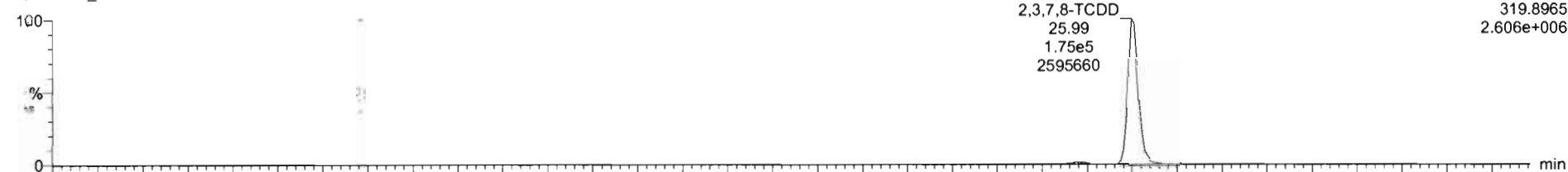
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

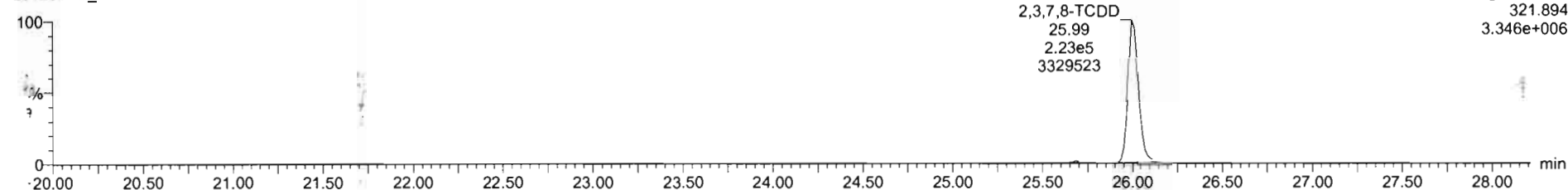
Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

2,3,7,8-TCDD

201203R2_4

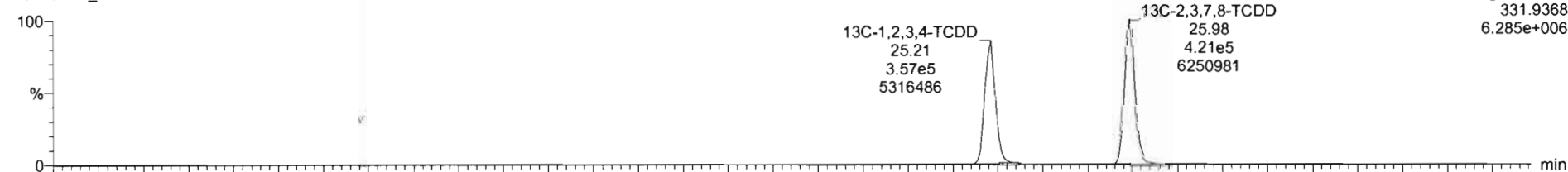


201203R2_4

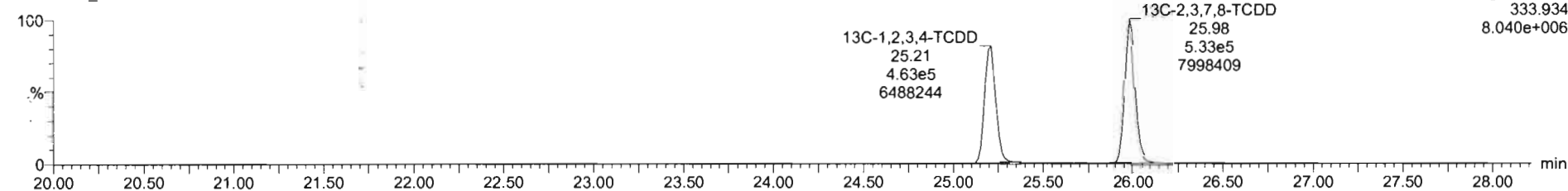


¹³C-2,3,7,8-TCDD

201203R2_4



201203R2_4



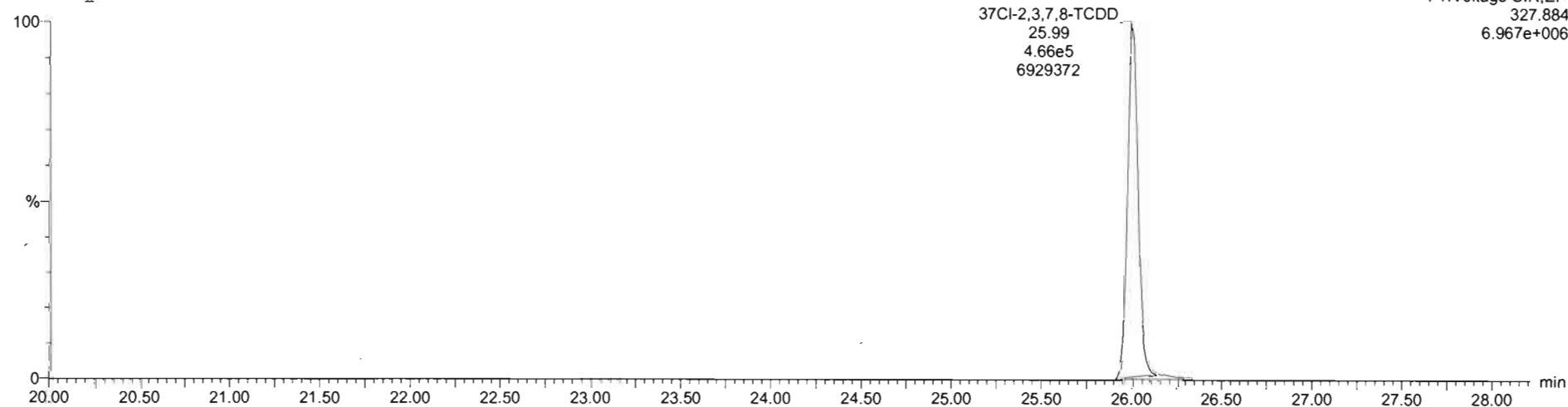
Dataset: U:\VG12.PRO\Results\01203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

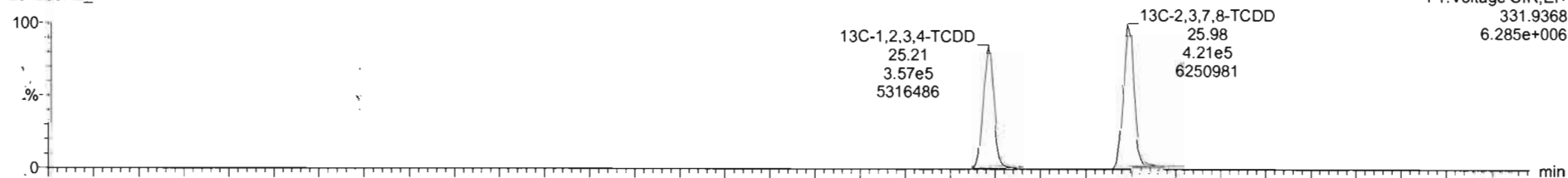
37Cl-2,3,7,8-TCDD

201203R2_4

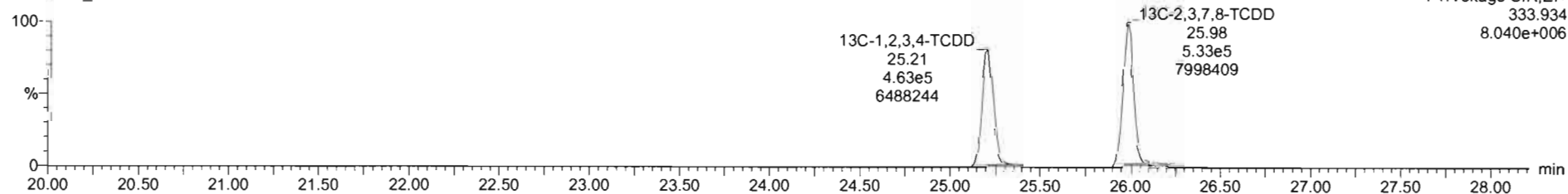


13C-1,2,3,4-TCDD

201203R2_4



201203R2_4



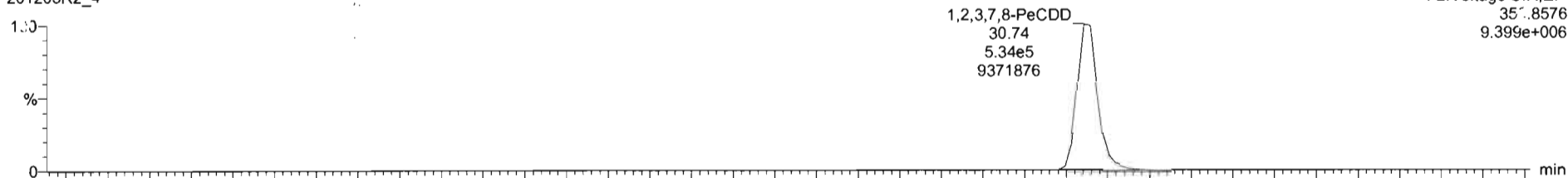
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

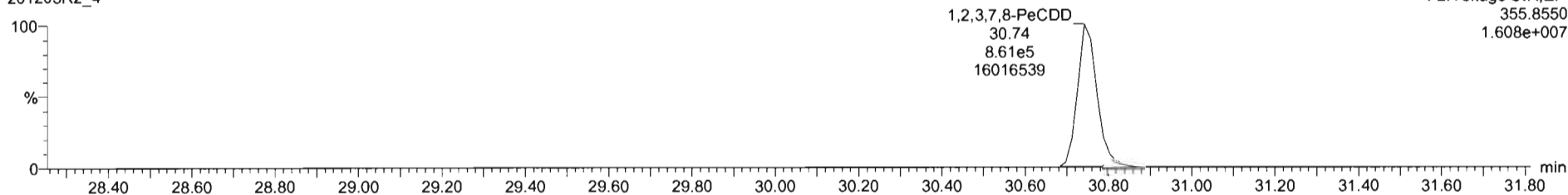
Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

1,2,3,7,8-PeCDD

201203R2_4

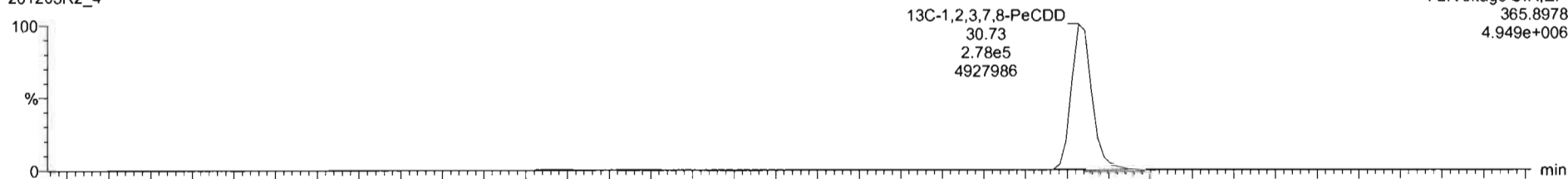


201203R2_4

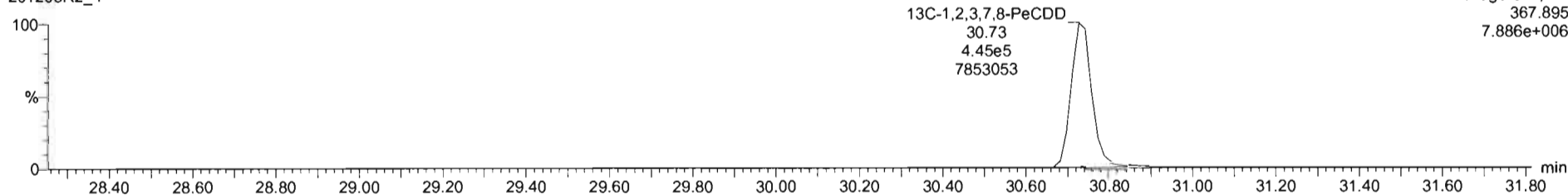


13C-1,2,3,7,8-PeCDD

201203R2_4



201203R2_4



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

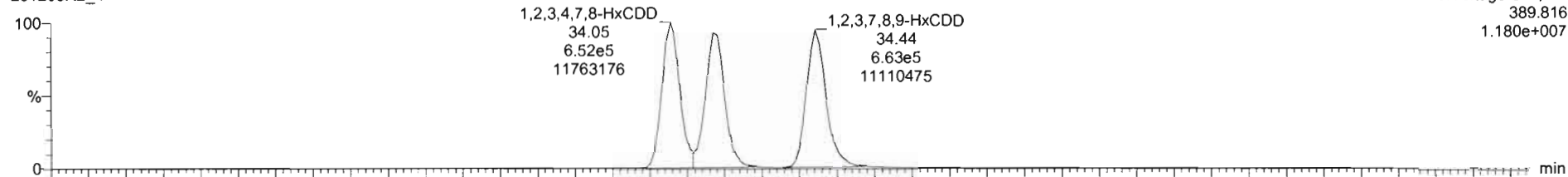
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

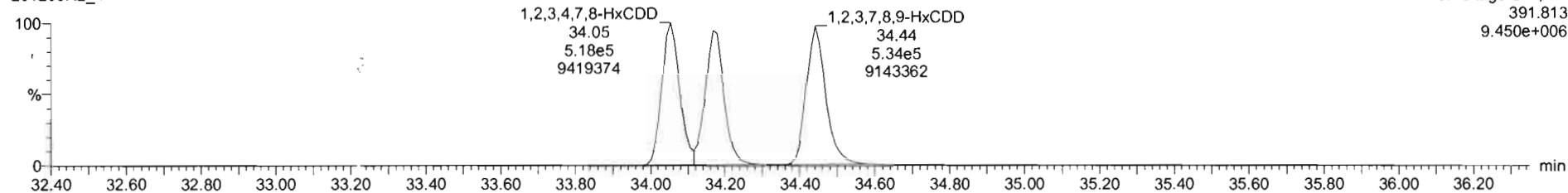
1,2,3,4,7,8-HxCDD

201203R2_4



F3:Voltage SIR,EI+
389.816
1.180e+007

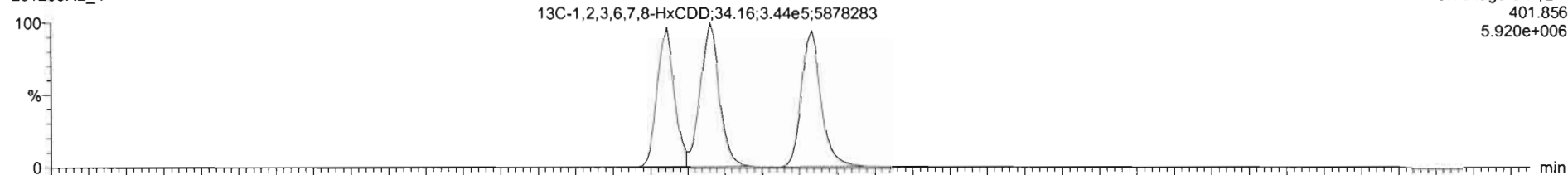
201203R2_4



F3:Voltage SIR,EI+
391.813
9.450e+006

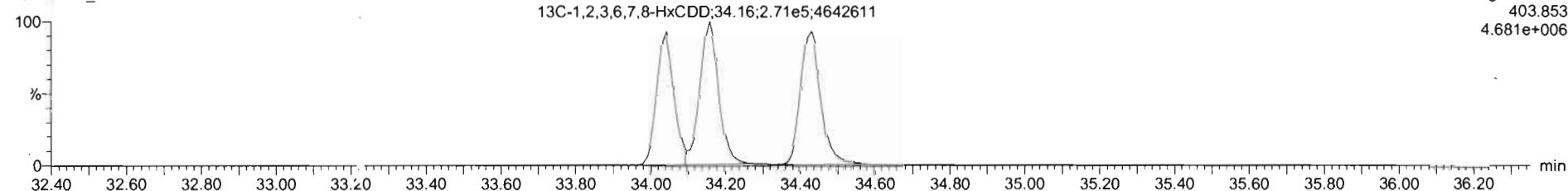
13C-1,2,3,4,7,8-HxCDD

201203R2_4



F3:Voltage SIR,EI+
401.856
5.920e+006

201203R2_4



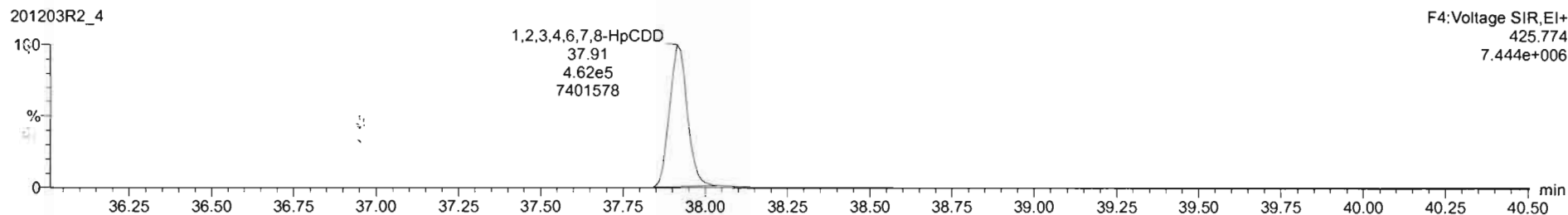
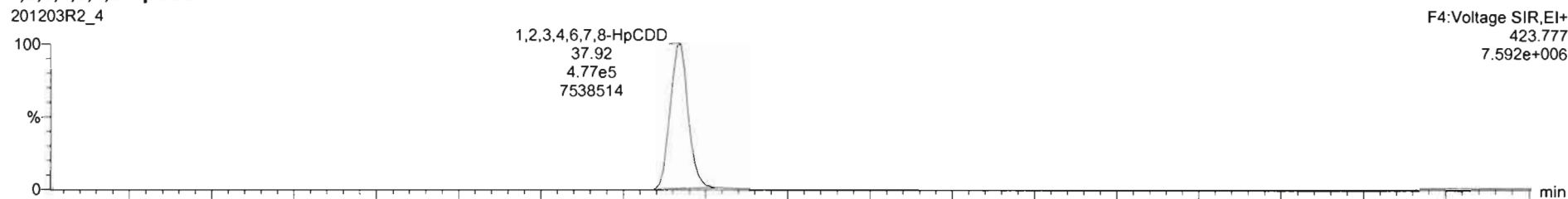
F3:Voltage SIR,EI+
403.853
4.681e+006

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

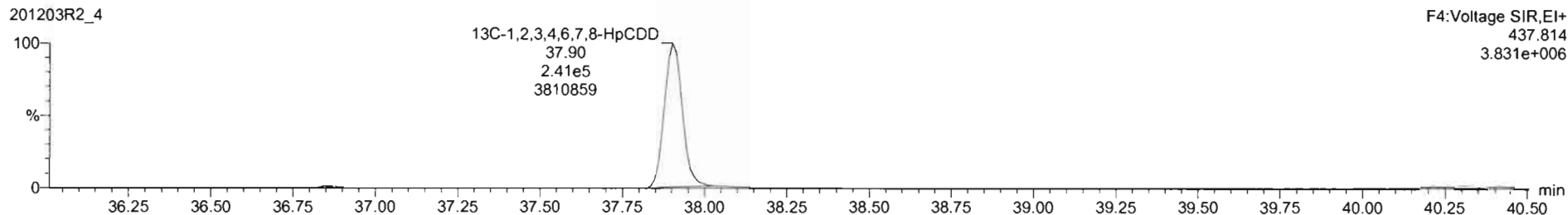
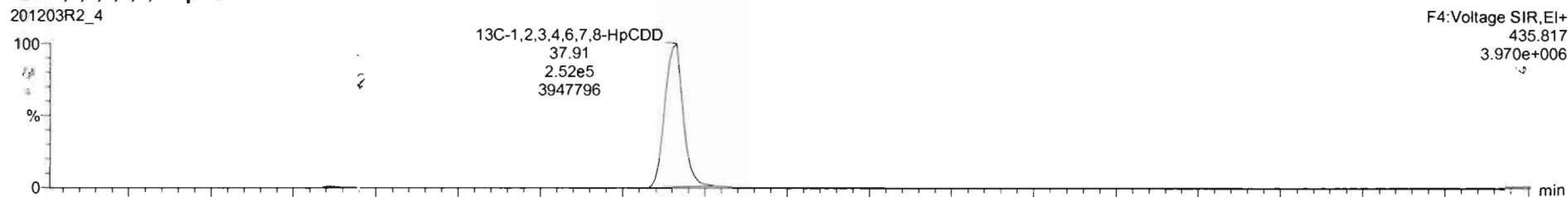
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

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



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



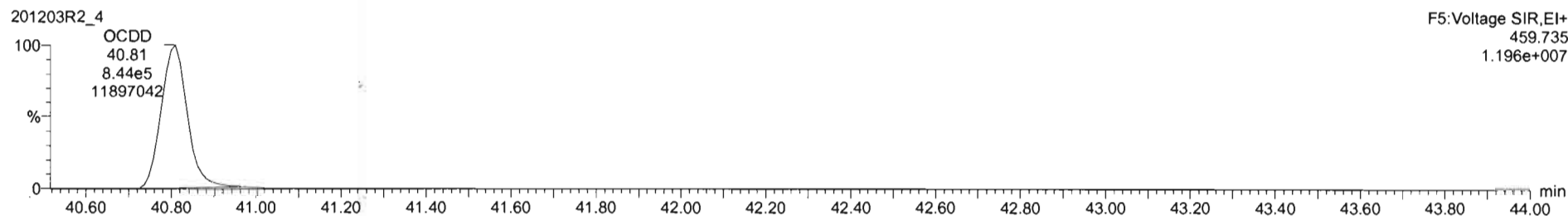
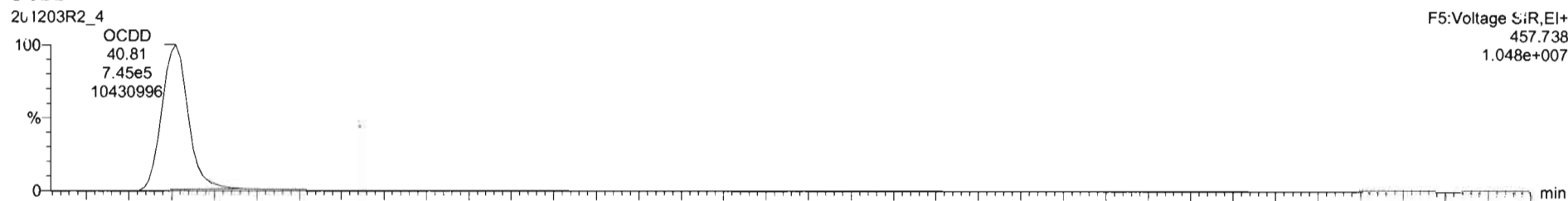
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

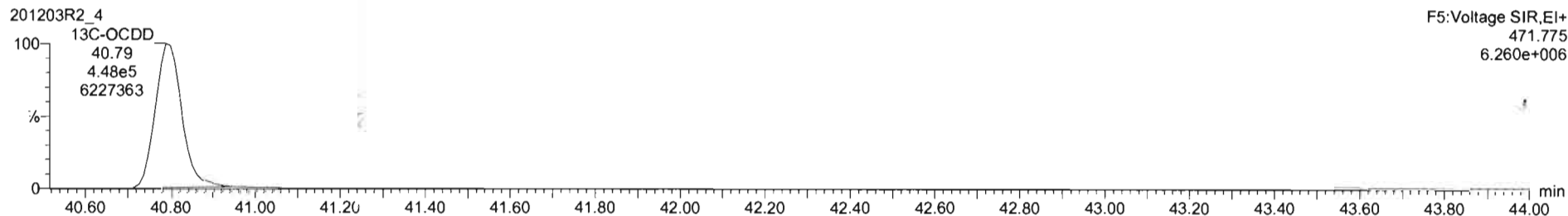
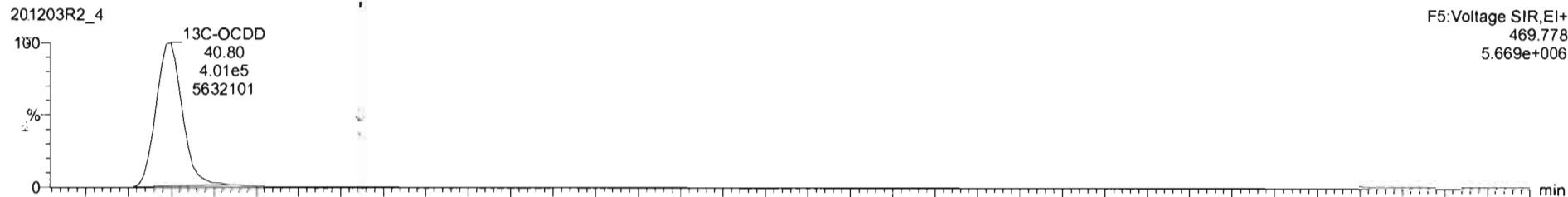
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

OCDD



13C-OCDD



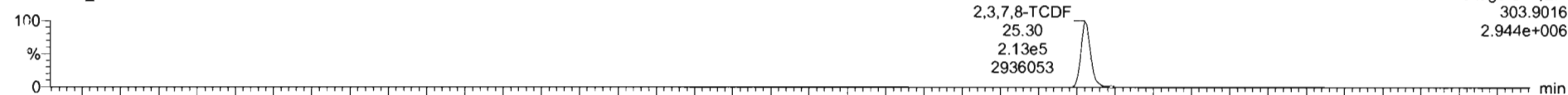
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

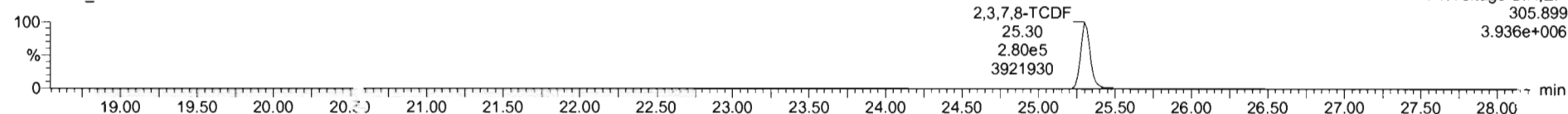
Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

2,3,7,8-TCDF

201203R2_4

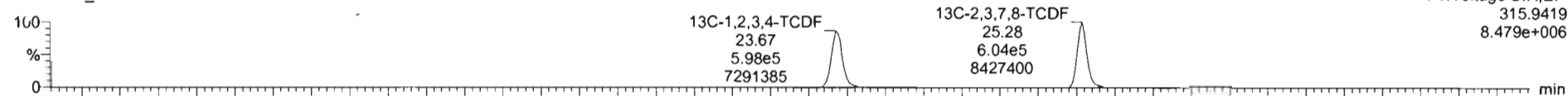


201203R2_4

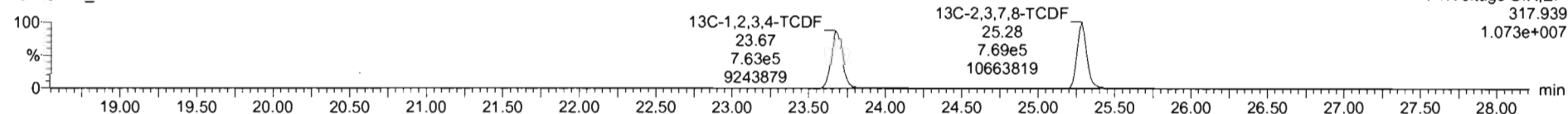


13C-2,3,7,8-TCDF

201203R2_4

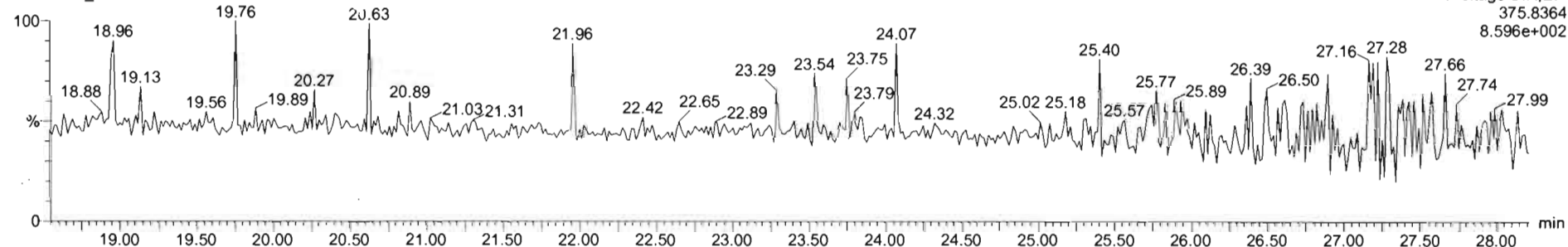


201203R2_4



DPE1

201203R2_4

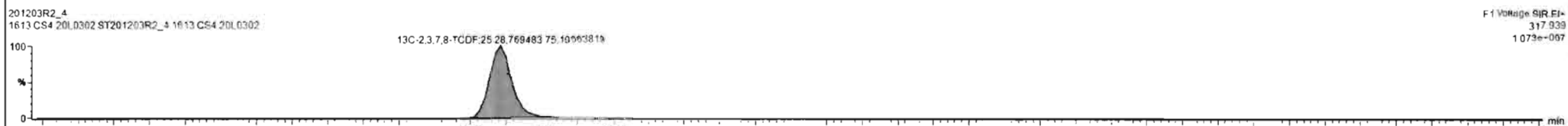
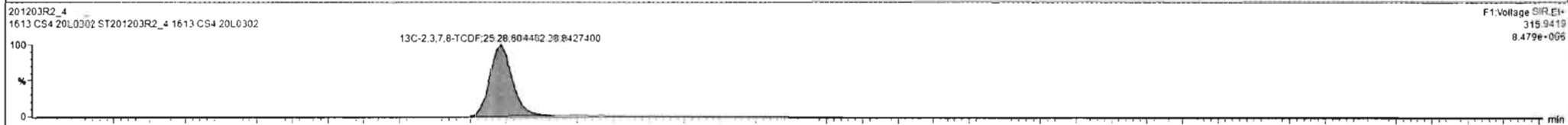
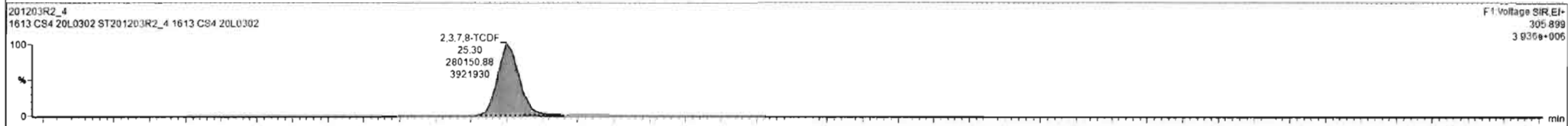
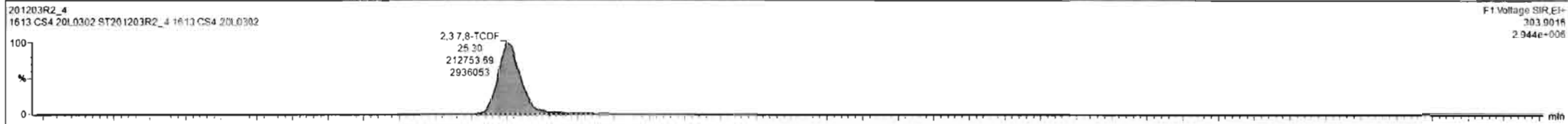


TargetLynx - 201203R2_CRV.qtd - [Chromatogram]

File Edit View Display Processing Window Help

201203R2_4 - ST201203R2_4 1613 CS4 20L0302 - 1613 CS4 20L0302

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1 2,3,7,8-TCDD	3.98e5	9.54e5	0.77	0.78	NO	0.9805	26.01	25.99	NO	1.001	1.001	42.5	106	NO
2	2 1,2,3,7,8-PeCDD	1.39e6	7.22e5	0.63	0.62	NO	0.9320	30.74	30.74	NO	1.000	1.000	207	104	NO
3	3 1,2,3,4,7,8-HxCDD	1.17e6	5.28e5	1.24	1.26	NO	1.0203	34.05	34.05	NO	1.000	1.000	217	108	NO
4	4 1,2,3,6,7,8-HxCDD	1.18e6	8.16e5	1.24	1.26	NO	0.9025	34.17	34.17	NO	1.000	1.000	213	107	NO
5	5 1,2,3,7,8,9-HxCDD	1.20e6	5.99e5	1.24	1.24	NO	0.9552	34.44	34.44	NO	1.000	1.000	209	105	NO
6	6 1,2,3,4,6,7,8-HpCDD	9.39e5	4.93e5	1.04	1.03	NO	0.9180	37.91	37.92	NO	1.000	1.000	208	104	NO
7	7 OCDD	1.59e6	8.50e5	0.89	0.88	NO	0.8658	40.80	40.81	NO	1.000	1.000	432	108	NO
8	8 2,3,7,8-TCDF	4.93e5	1.37e6	0.77	0.78	NO	0.8480	25.29	25.30	NO	1.000	1.001	42.3	106	NO
9	9 1,2,3,7,8-PeCDF	2.24e6	1.11e6	1.55	1.57	NO	0.9597	29.49	29.48	NO	1.000	1.000	211	105	NO
10	10 2,3,4,7,8-PeCDF	2.37e6	1.06e6	1.55	1.56	NO	1.0671	30.53	30.55	NO	1.000	1.000	205	104	NO
11	11 1,2,3,4,7,8-HxCDF	1.55e6	7.36e5	1.24	1.23	NO	0.9859	33.14	33.16	NO	1.000	1.001	213	107	NO
12	12 1,2,3,6,7,8-HxCDF	1.74e6	7.93e5	1.24	1.22	NO	1.0368	33.28	33.29	NO	1.000	1.000	211	106	NO
13	13 2,3,4,6,7,8-HxCDF	1.54e6	7.08e5	1.24	1.23	NO	1.0202	33.93	33.95	NO	1.000	1.001	213	107	NO
14	14 1,2,3,7,8,9-HxCDF	1.43e6	8.76e5	1.24	1.25	NO	0.9888	34.92	34.93	NO	1.000	1.000	214	107	NO



Ready 201203R2_4 CAP NUM

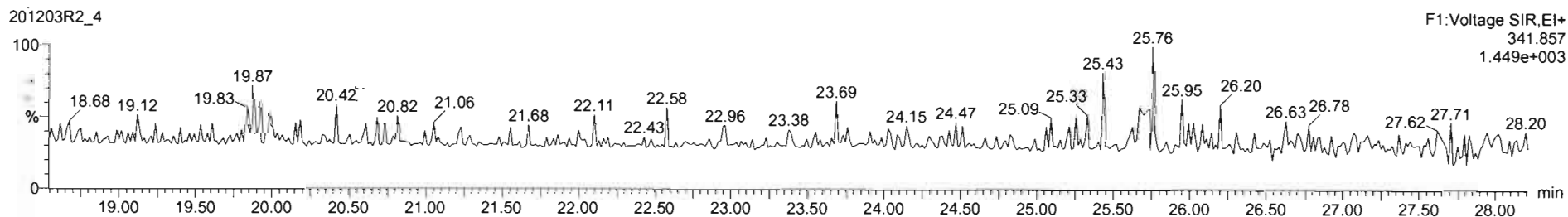
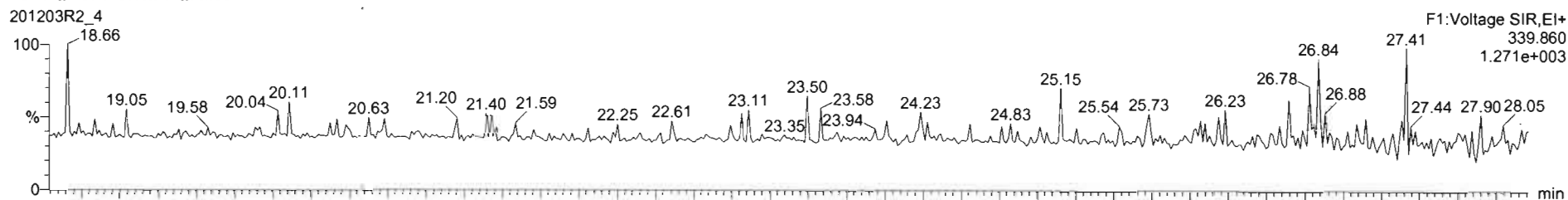
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

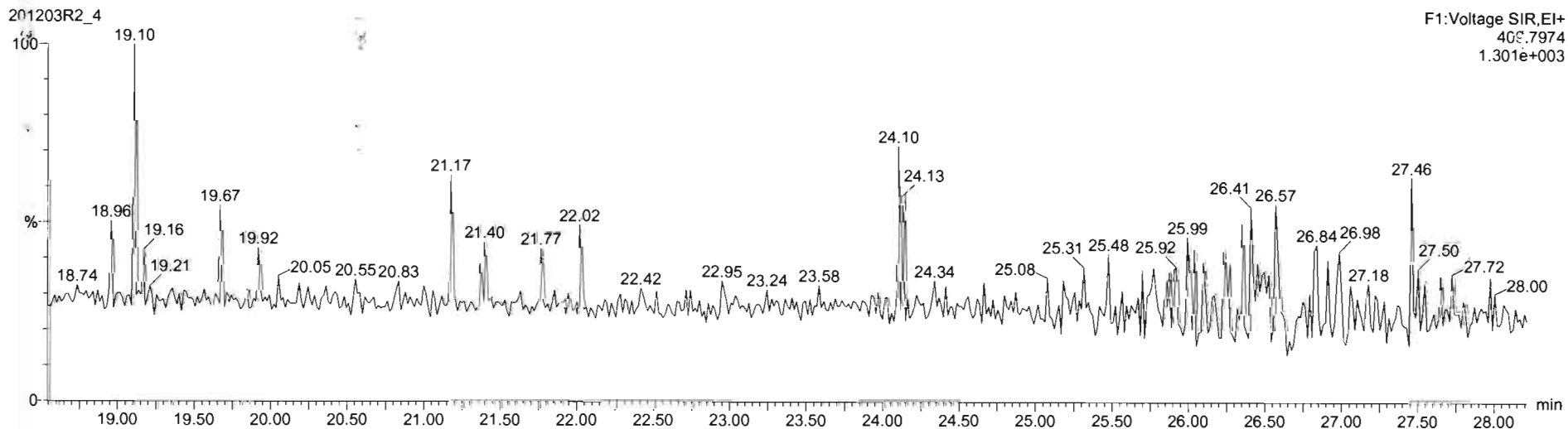
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

1st Func. Penta-Furans



DPE6



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

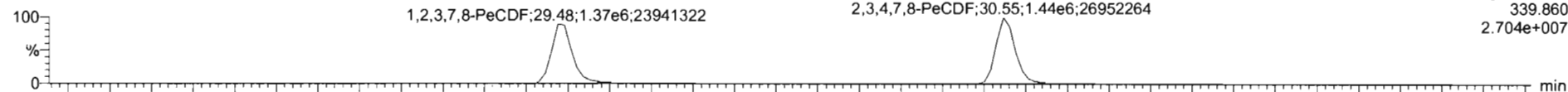
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

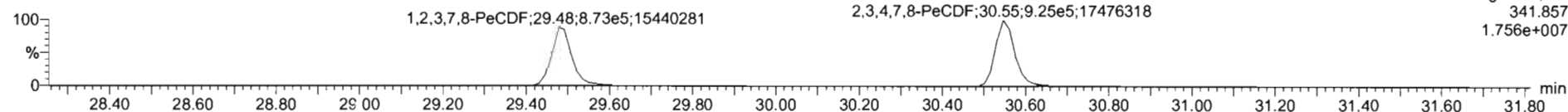
1,2,3,7,8-PeCDF

201203R2_4



F2:Voltage SIR,EI+
339.860
2.704e+007

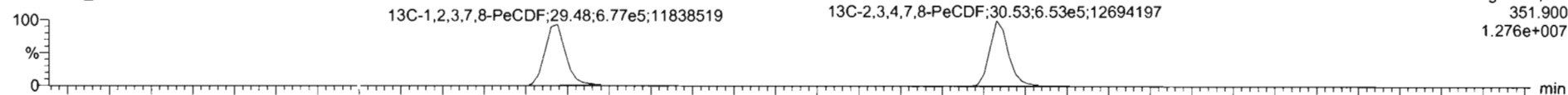
201203R2_4



F2:Voltage SIR,EI+
341.857
1.756e+007

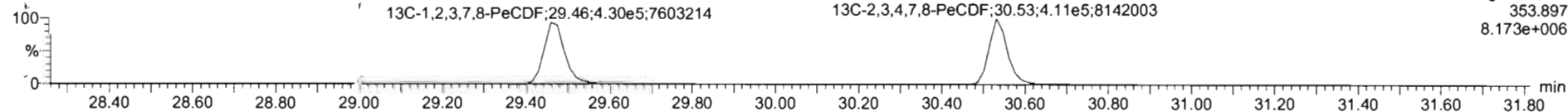
13C-1,2,3,7,8-PeCDF

201203R2_4



F2:Voltage SIR,EI+
351.900
1.276e+007

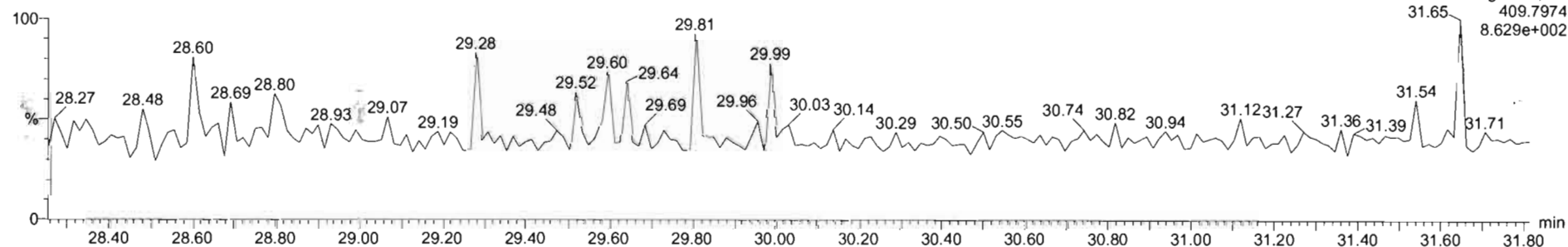
201203R2_4



F2:Voltage SIR,EI+
353.897
8.173e+006

DPE2

201203R2_4



F2:Voltage SIR,EI+
409.7974
8.629e+002

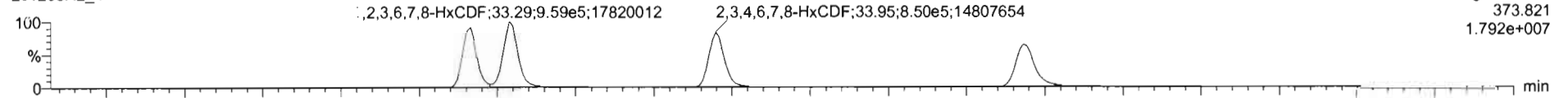
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

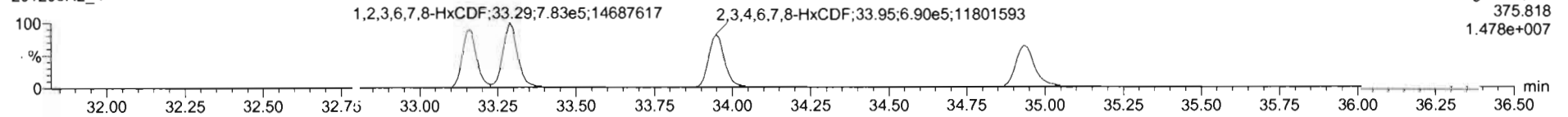
1,2,3,4,7,8-HxCDF

201203R2_4



F3:Voltage SIR,EI+
373.821
1.792e+007

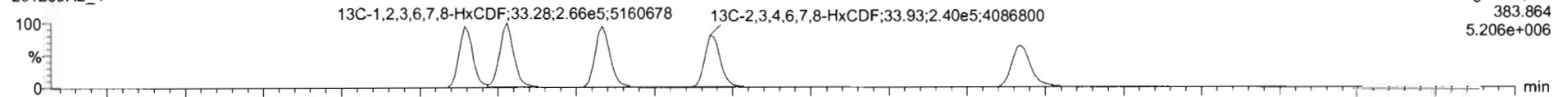
201203R2_4



F3:Voltage SIR,EI+
375.818
1.478e+007

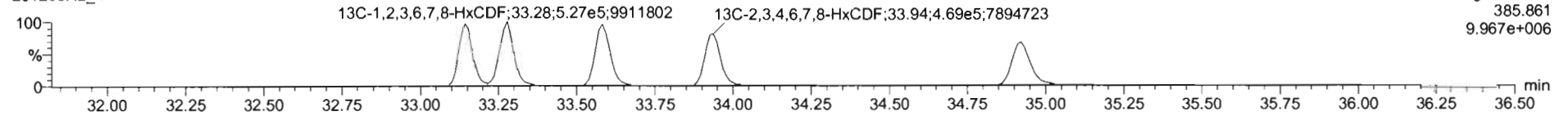
13C-1,2,3,4,7,8-HxCDF

201203R2_4



F3:Voltage SIR,EI+
383.864
5.206e+006

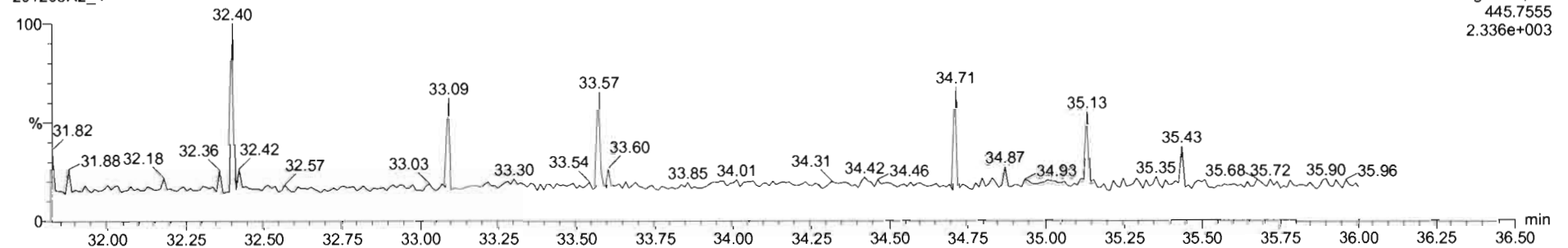
201203R2_4



F3:Voltage SIR,EI+
385.861
9.967e+006

DPE3

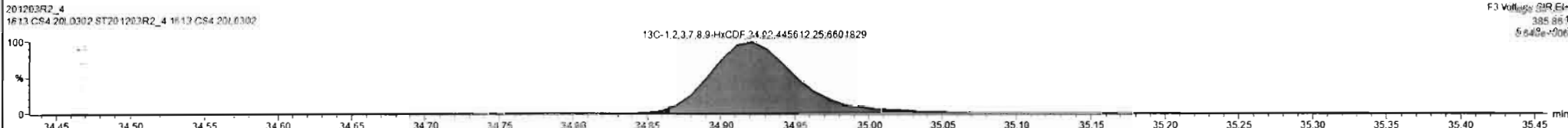
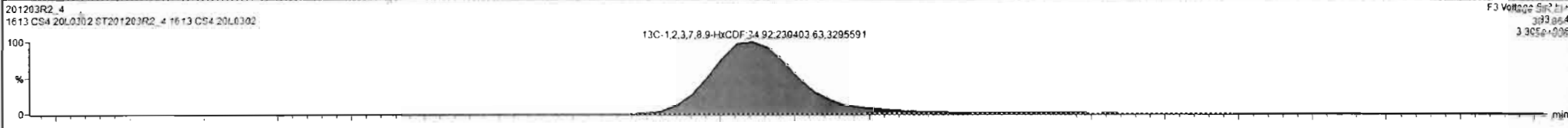
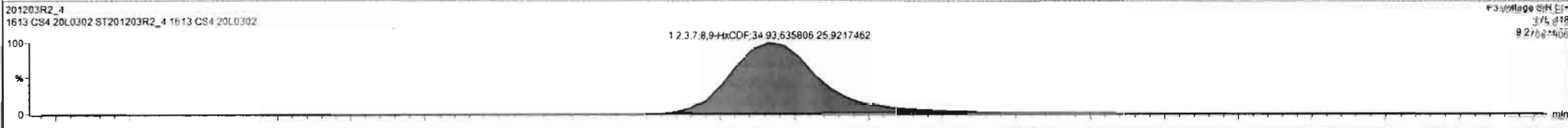
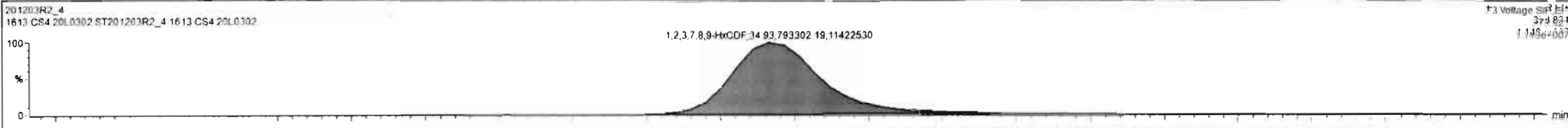
201203R2_4



F3:Voltage SIR,EI+
445.7555
2.336e+003

201203R2_4 - ST201203R2_4 1613 CS4 20L0302 - 1613 CS4 20L0302

#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	3.98e5	9.54e5	0.77	0.78	NO	0.9805	26.01	25.99	NO	1.001	1.001	42.5	106	NO
2	1,2,3,7,8-PeCDD	1.39e6	7.22e5	0.63	0.62	NO	0.9320	30.74	30.74	NO	1.000	1.000	207	104	NO
3	1,2,3,4,7,8-HxCDD	1.17e6	5.28e5	1.24	1.26	NO	1.0203	34.05	34.05	NO	1.000	1.000	217	108	NO
4	1,2,3,6,7,8-HxCDD	1.18e6	6.16e5	1.24	1.26	NO	0.9025	34.17	34.17	NO	1.000	1.000	213	107	NO
5	1,2,3,7,8,9-HxCDD	1.20e6	5.99e5	1.24	1.24	NO	0.9552	34.44	34.44	NO	1.000	1.000	209	105	NO
6	1,2,3,4,6,7,8-HpCDD	9.39e5	4.93e5	1.04	1.03	NO	0.9180	37.91	37.92	NO	1.000	1.000	208	104	NO
7	OCDD	1.59e6	8.50e5	0.89	0.88	NO	0.9658	40.80	40.81	NO	1.000	1.000	432	108	NO
8	2,3,7,8-TCDF	4.93e5	1.37e6	0.77	0.76	NO	0.8480	25.29	25.30	NO	1.000	1.001	42.3	106	NO
9	1,2,3,7,8-PeCDF	2.24e6	1.11e6	1.55	1.57	NO	0.9697	29.49	29.48	NO	1.000	1.000	211	105	NO
10	1,2,3,4,7,8-PeCDF	2.37e6	1.06e6	1.55	1.56	NO	1.0671	30.53	30.55	NO	1.000	1.000	208	104	NO
11	1,2,3,4,7,8-HxCDF	1.55e6	7.36e5	1.24	1.23	NO	0.9659	33.14	33.16	NO	1.000	1.001	213	107	NO
12	1,2,3,6,7,8-HxCDF	1.74e6	7.93e5	1.24	1.22	NO	1.0388	33.26	33.29	NO	1.000	1.000	211	106	NO
13	2,3,4,6,7,8-HxCDF	1.54e6	7.08e5	1.24	1.23	NO	1.0202	33.93	33.95	NO	1.000	1.001	213	107	NO
14	1,2,3,7,8,9-HxCDF	1.43e6	6.78e5	1.24	1.25	NO	0.9888	34.92	34.93	NO	1.000	1.000	214	107	NO

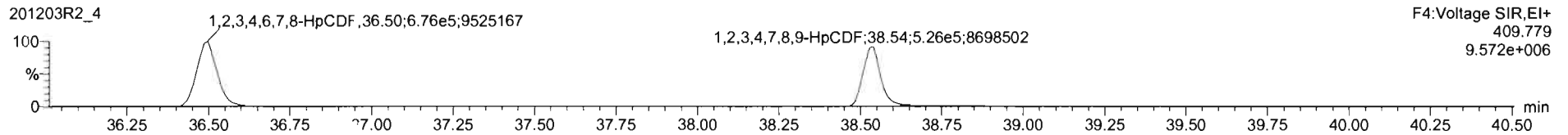
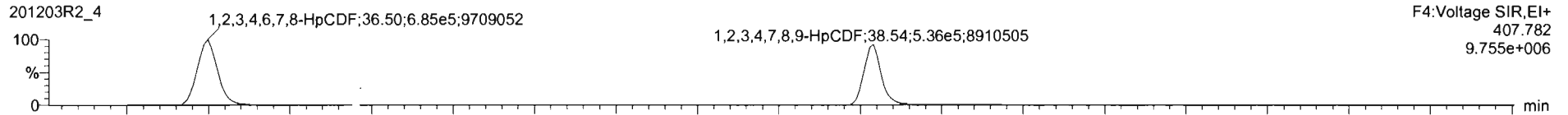


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

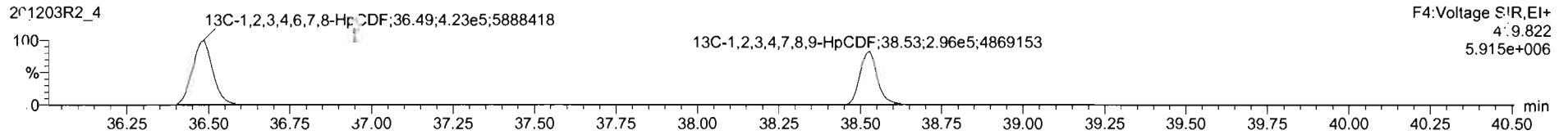
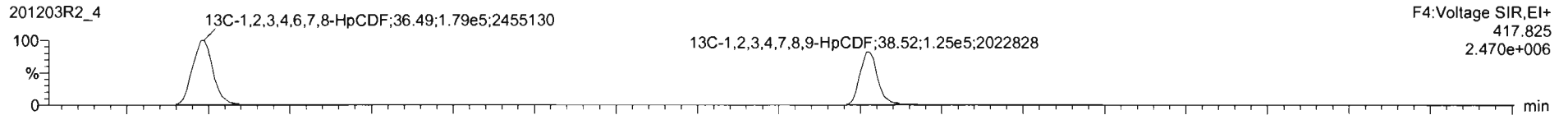
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

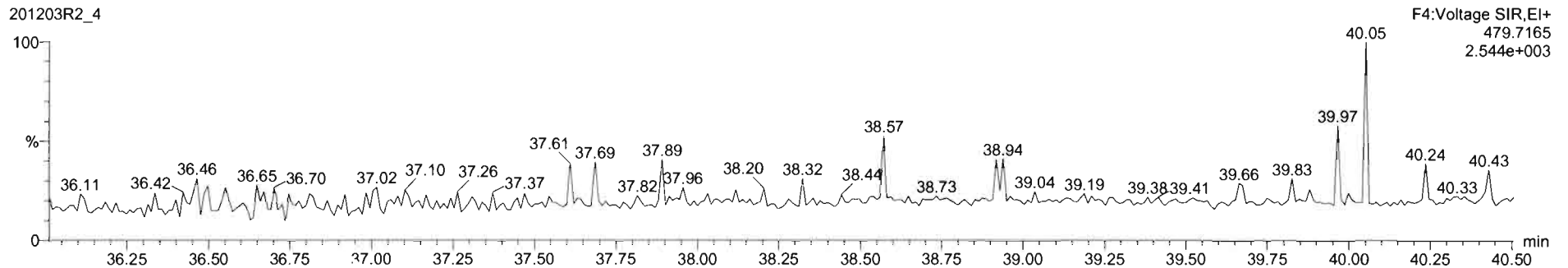
1,2,3,4,6,7,8-HpCDF



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



DPE4

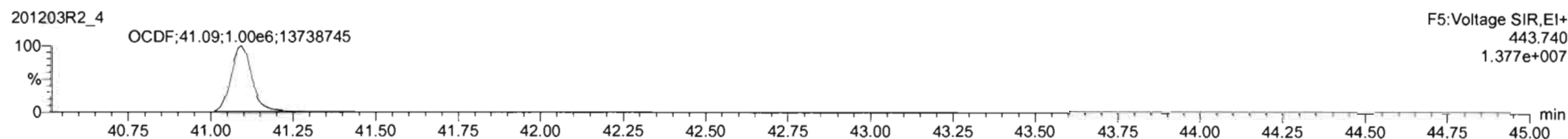
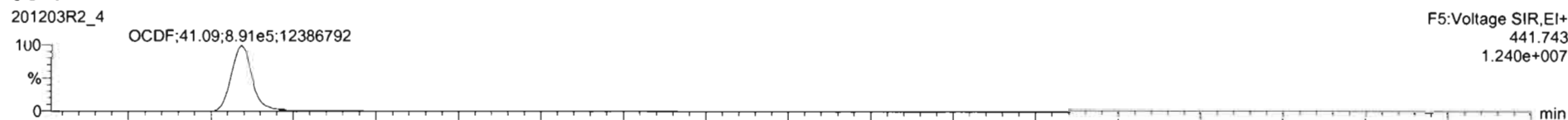


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

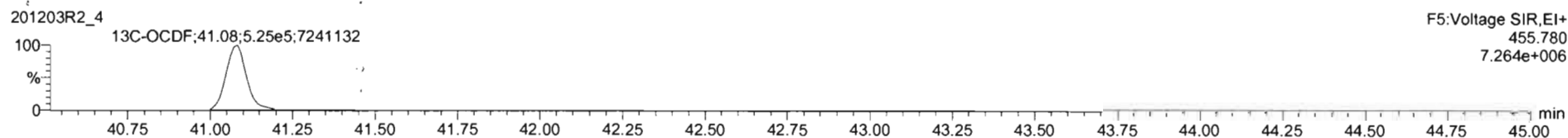
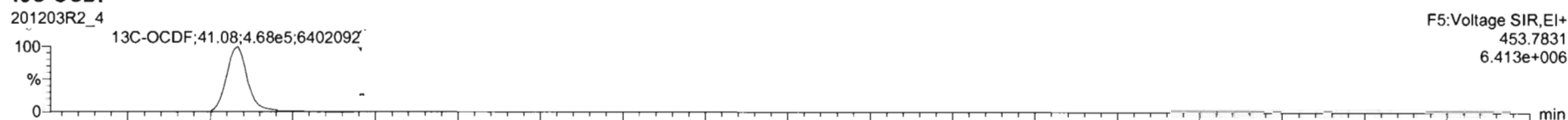
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302

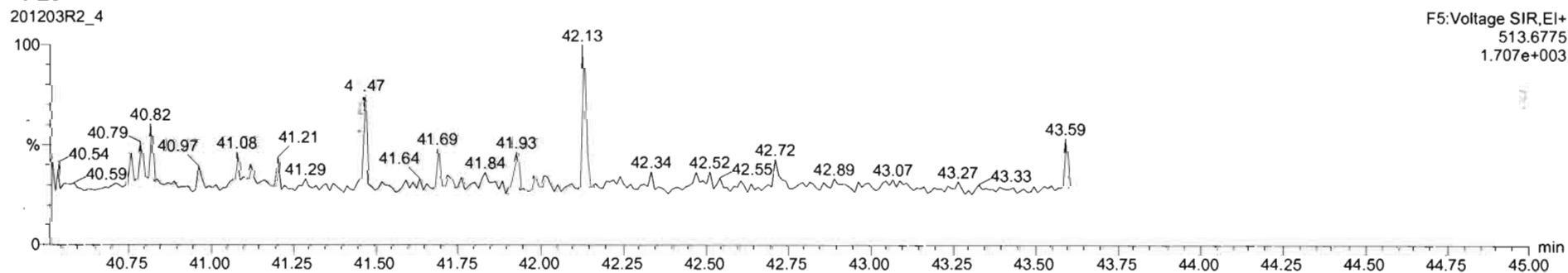
OCDF



13C-OCDF

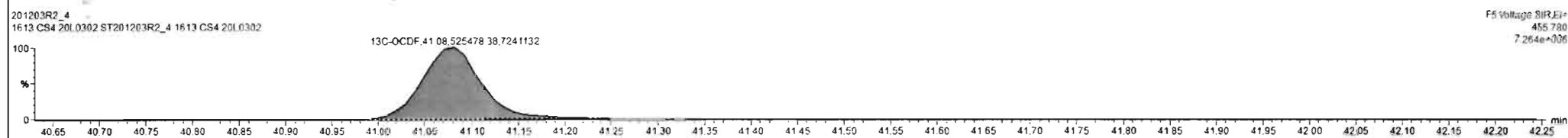
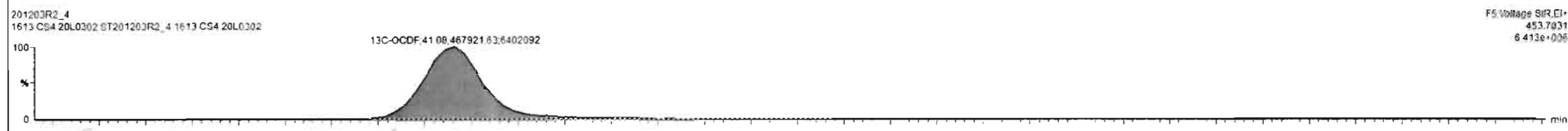
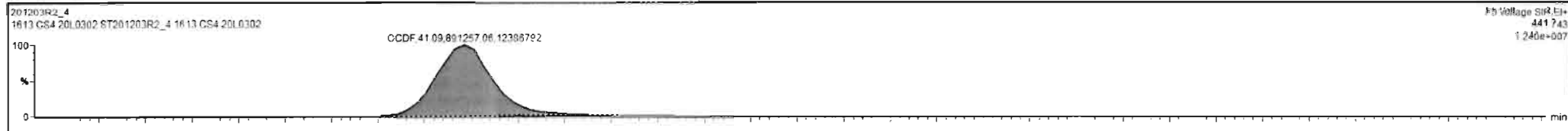


DPE5



201203R2_4 - ST201203R2_4 1613 CS4 20L0302 1613 CS4 20L0302

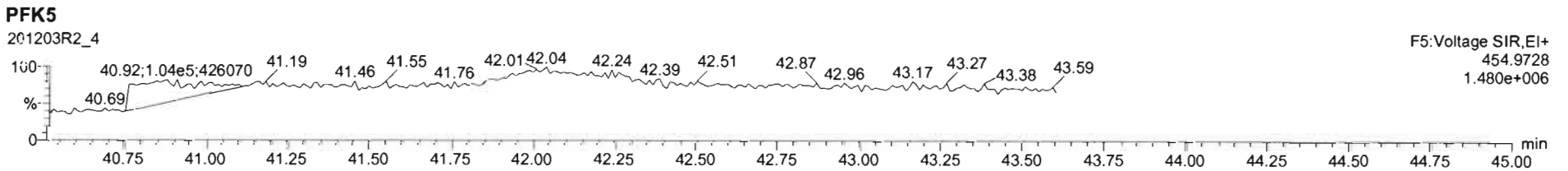
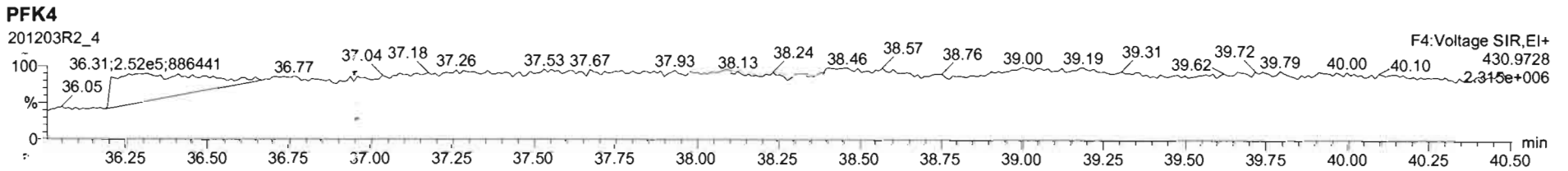
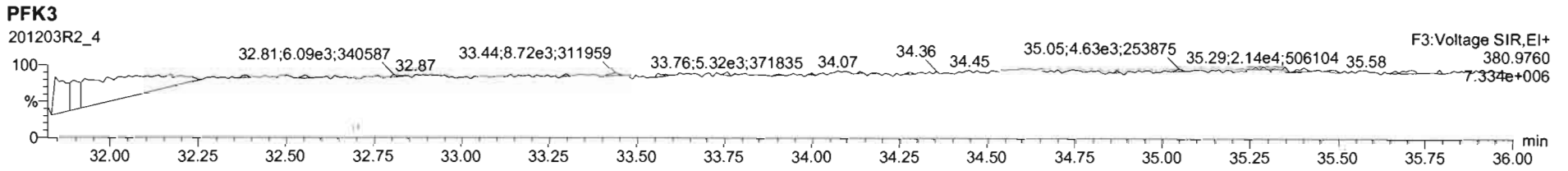
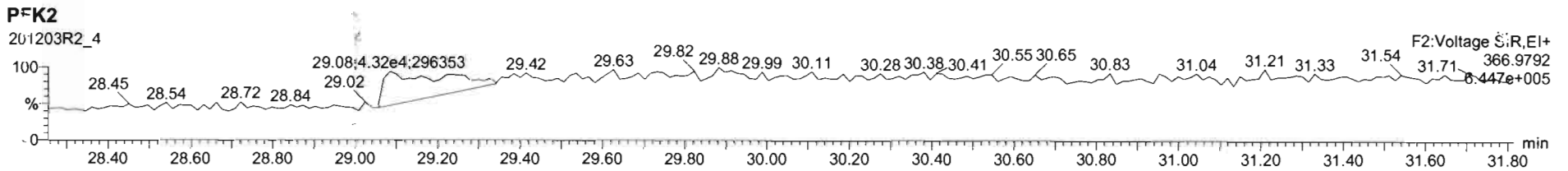
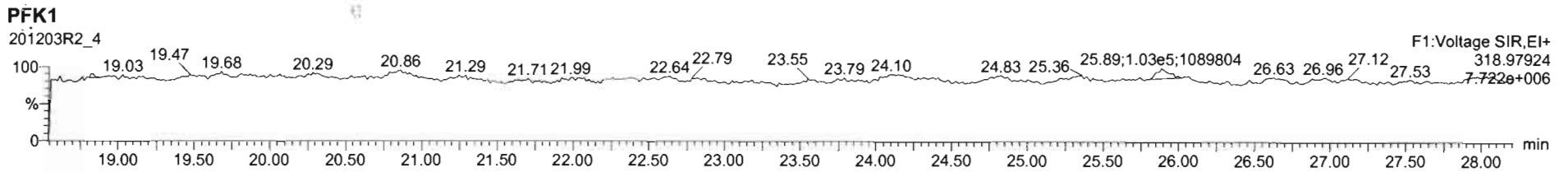
#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
16	1,2,3,4,7,8,9-HpCDF	1.06e6	4.21e5	1.04	1.02	NO	1.1759	38.52	38.54	NO	1.000	1.001	214	107	NO
17	OCDF	1.89e6	9.93e5	0.89	0.89	NO	0.9960	41.09	41.09	NO	1.000	1.000	435	106	NO
18	13C-2,3,7,8-TCDD	9.54e5	8.19e5	0.77	0.79	NO	1.0555	25.97	25.98	NO	1.030	1.031	110	110	NO
19	13C-1,2,3,7,8-PeCDD	7.22e5	8.19e5	0.63	0.63	NO	0.7847	30.67	30.73	NO	1.215	1.219	112	112	NO
20	13C-1,2,3,4,7,8-HxCDD	5.28e5	7.82e5	1.24	1.30	NO	0.6205	34.05	34.04	NO	1.014	1.014	109	109	NO
21	13C-1,2,3,6,7,8-HxCDD	6.18e5	7.82e5	1.24	1.27	NO	0.7340	34.19	34.18	NO	1.018	1.017	107	107	NO
22	13C-1,2,3,7,8-HxCDD	5.99e5	7.82e5	1.24	1.24	NO	0.7225	34.43	34.43	NO	1.025	1.025	106	106	NO
23	13C-1,2,3,4,6,7,8-HpCDD	4.93e5	7.82e5	1.04	1.04	NO	0.5877	37.90	37.91	NO	1.129	1.129	111	111	NO
24	13C-OCDD	8.50e5	7.82e5	0.89	0.89	NO	0.4958	40.86	40.80	NO	1.217	1.215	219	110	NO
25	13C-2,3,7,8-TCDF	1.37e6	1.36e6	0.77	0.79	NO	0.9190	25.29	25.28	NO	1.003	1.003	110	110	NO
26	13C-1,2,3,7,8-PeCDF	1.11e6	1.36e6	1.55	1.57	NO	0.7151	29.40	29.46	NO	1.166	1.169	114	114	NO
27	13C-2,3,4,7,8-PeCDF	1.06e6	1.36e6	1.55	1.59	NO	0.6885	30.46	30.53	NO	1.208	1.211	114	114	NO
28	13C-1,2,3,4,7,8-HxCDF	7.38e5	7.82e5	0.51	0.51	NO	0.8724	33.14	33.14	NO	0.987	0.987	108	108	NO
29	13C-1,2,3,6,7,8-HxCDF	7.93e5	7.82e5	0.51	0.50	NO	0.9335	33.27	33.28	NO	0.991	0.991	109	109	NO



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_4, Date: 03-Dec-2020, Time: 13:00:37, ID: ST201203R2_4 1613 CS4 20L0302, Description: 1613 CS4 20L0302



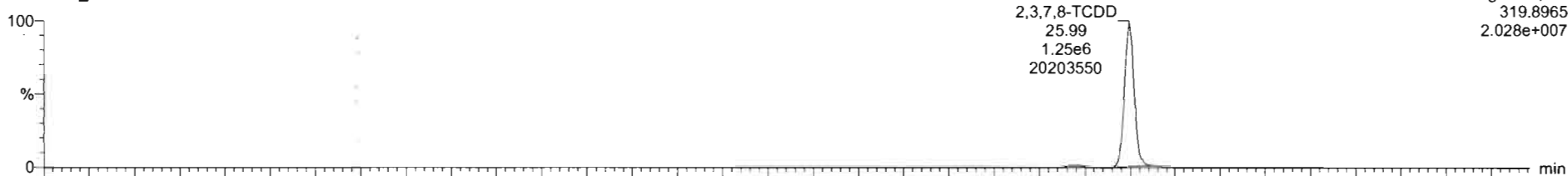
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

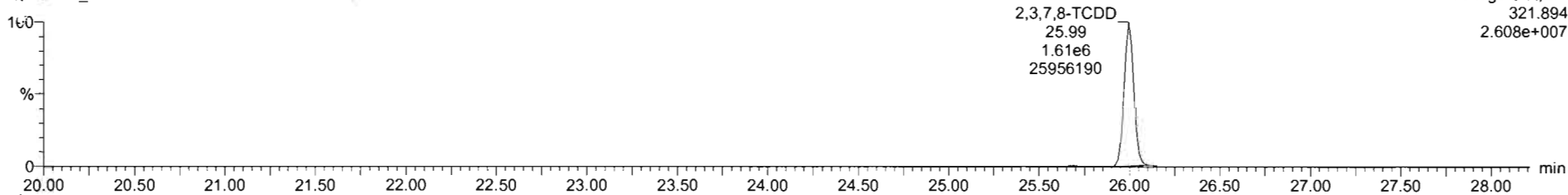
Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

2,3,7,8-TCDD

201203R2_5

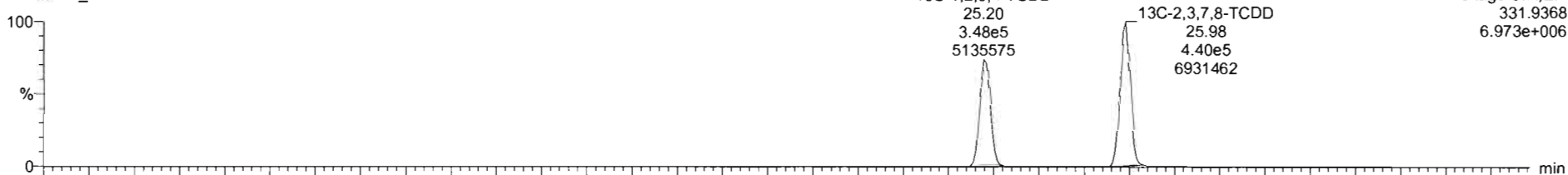


201203R2_5

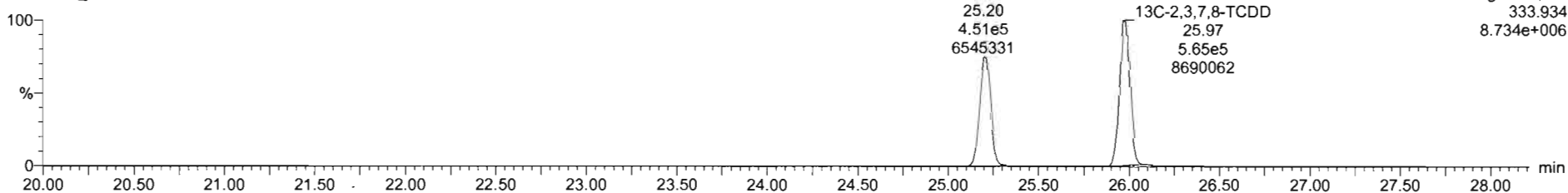


¹³C-2,3,7,8-TCDD

201203R2_5



201203R2_5



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

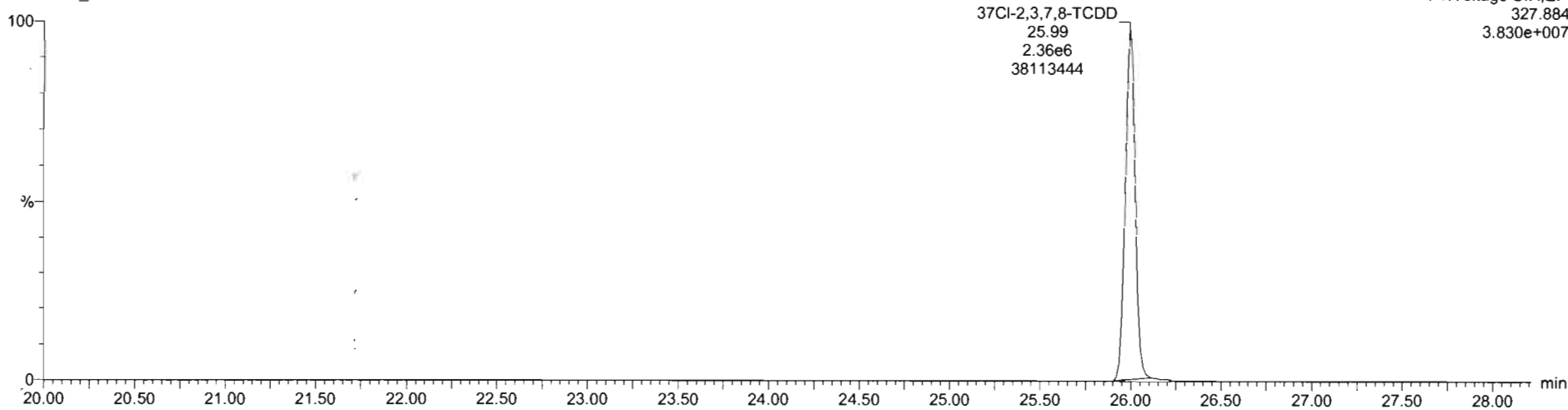
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

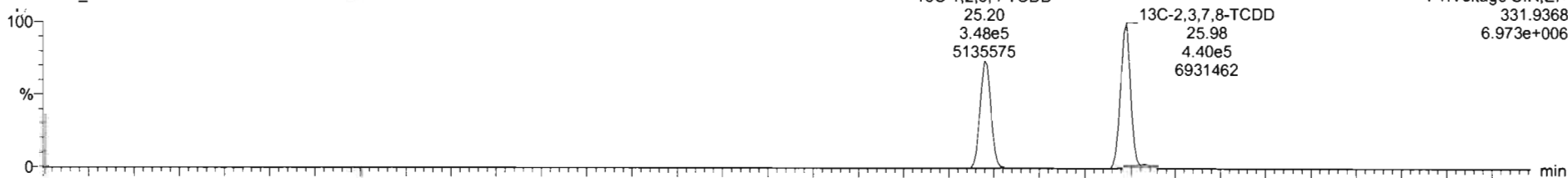
37Cl-2,3,7,8-TCDD

201203R2_5

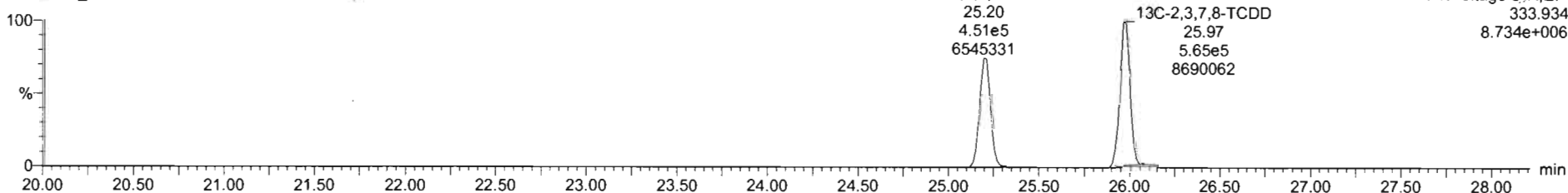


13C-1,2,3,4-TCDD

201203R2_5



201203R2_5



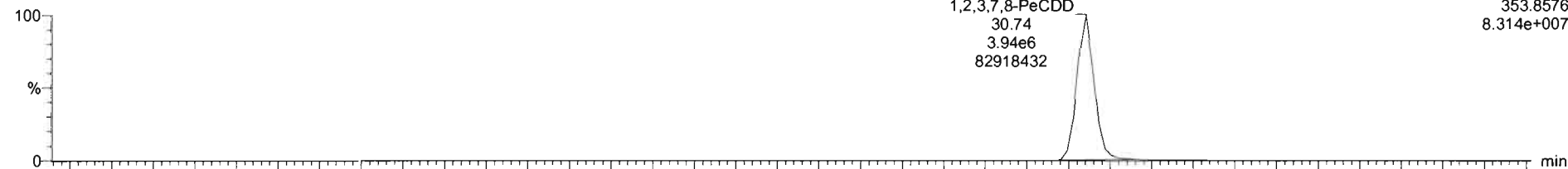
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

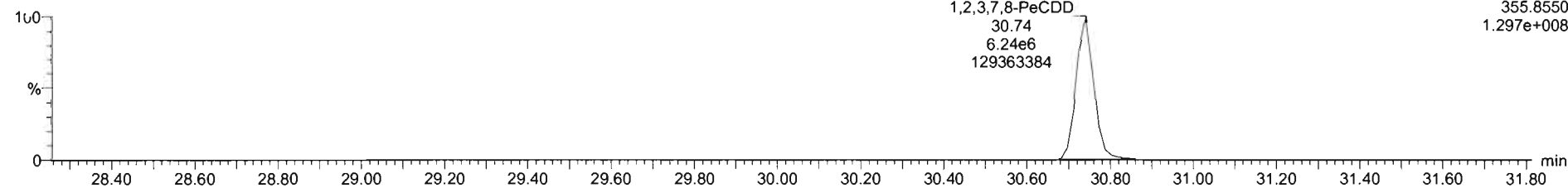
Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

1,2,3,7,8-PeCDD

201203R2_5

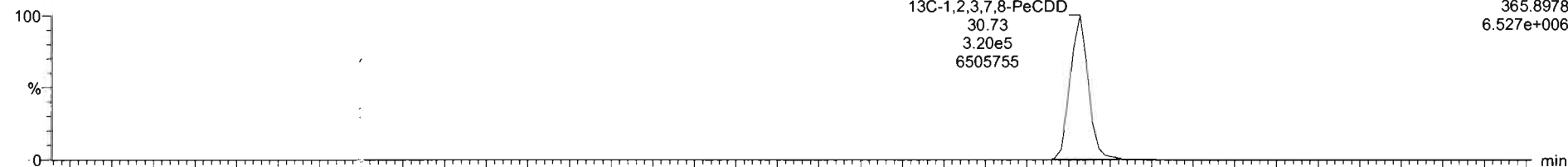


201203R2_5

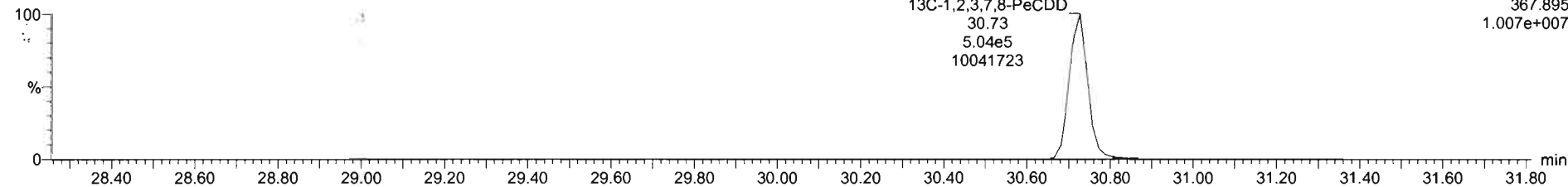


13C-1,2,3,7,8-PeCDD

201203R2_5



201203R2_5



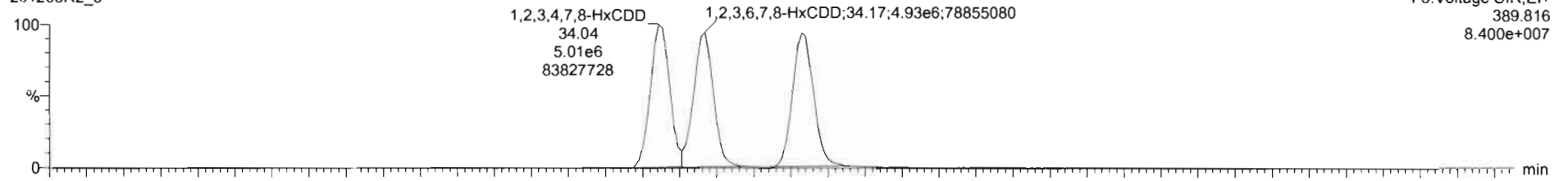
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

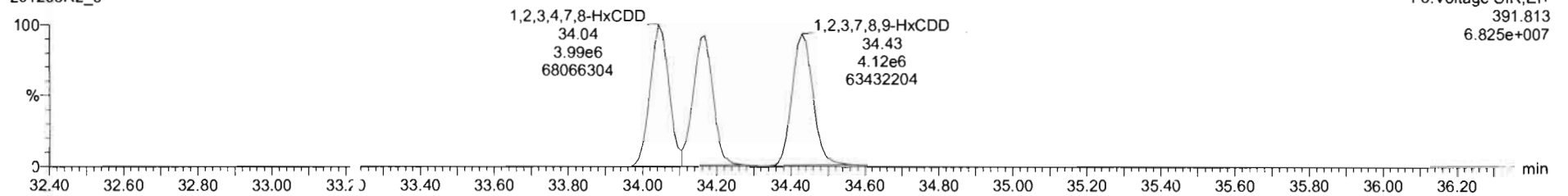
Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

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

201203R2_5

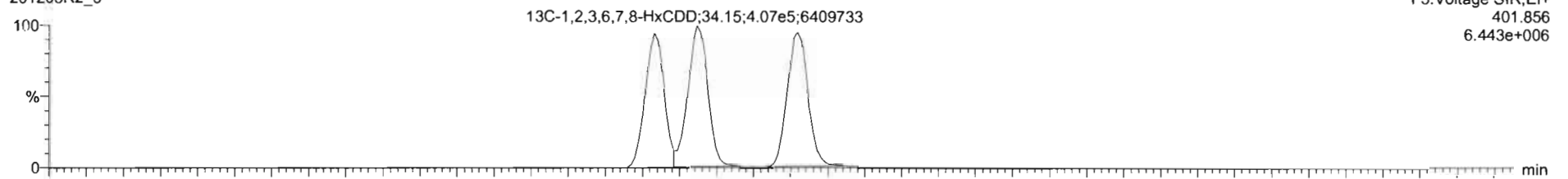


201203R2_5

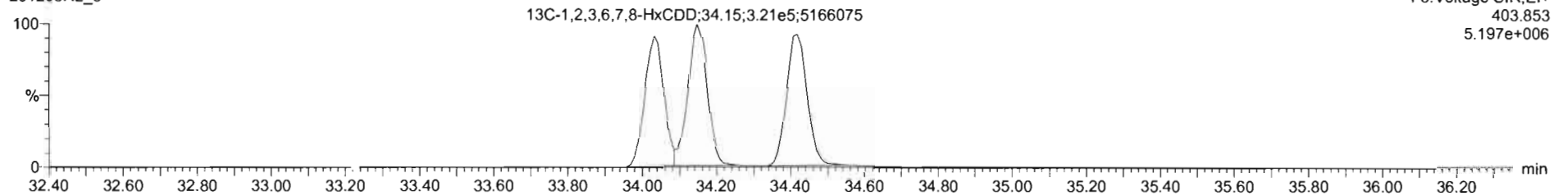


13C-1,2,3,4,7,8-HxCDD

201203R2_5



201203R2_5



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

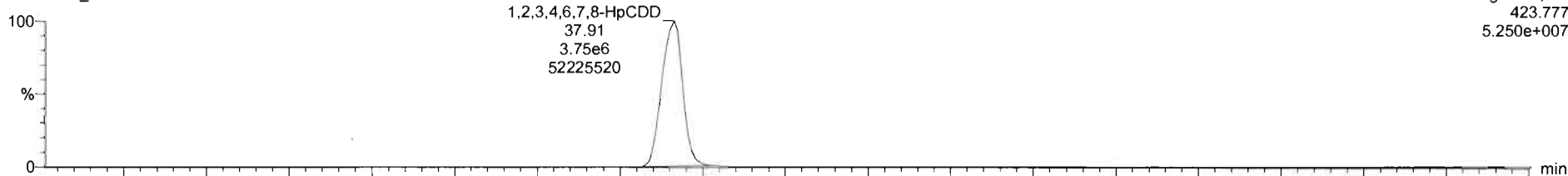
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

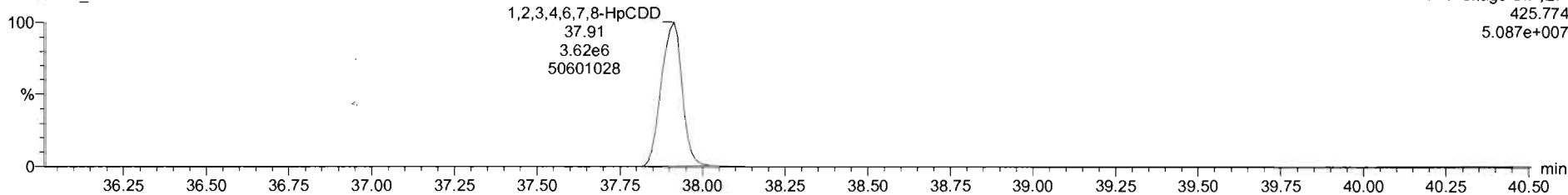
1,2,3,4,6,7,8-HpCDD

201203R2_5



F4: Voltage SIR, EI+
423.777
5.250e+007

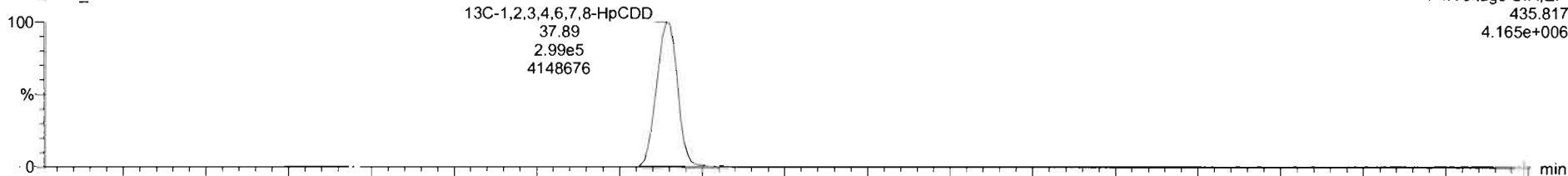
201203R2_5



F4: Voltage SIR, EI+
425.774
5.087e+007

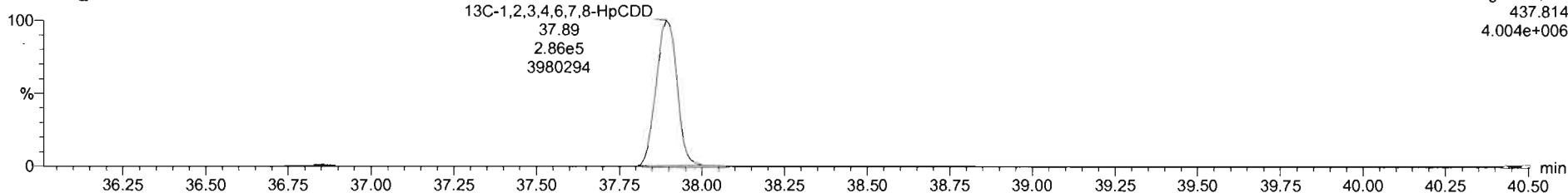
13C-1,2,3,4,6,7,8-HpCDD

201203R2_5



F4: Voltage SIR, EI+
435.817
4.165e+006

201203R2_5



F4: Voltage SIR, EI+
437.814
4.004e+006

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

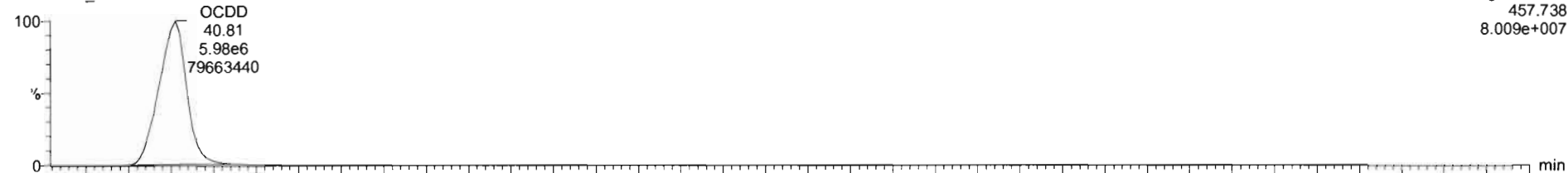
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

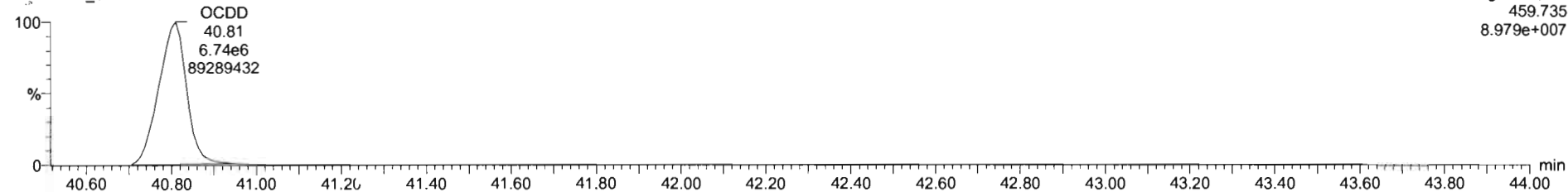
Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

OCDD

201203R2_5

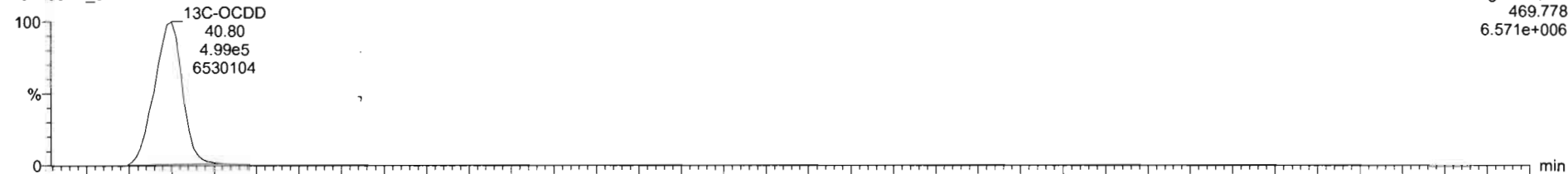


201203R2_5

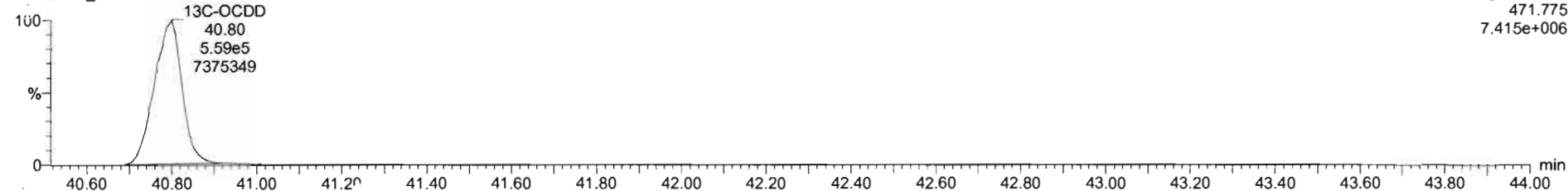


13C-OCDD

201203R2_5



201203R2_5



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

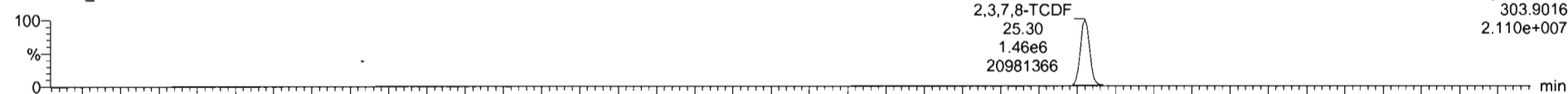
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

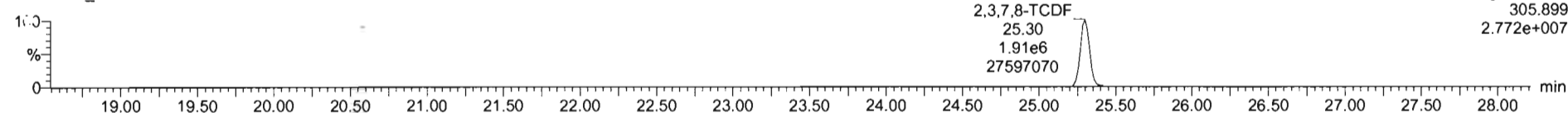
Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

2,3,7,8-TCDF

201203R2_5

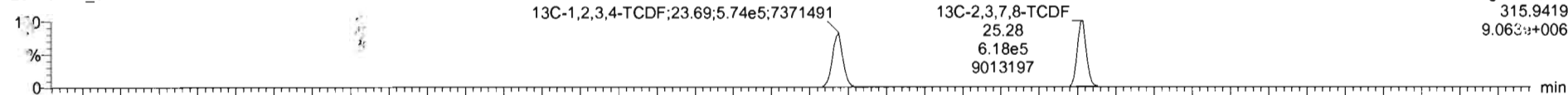


201203R2_5

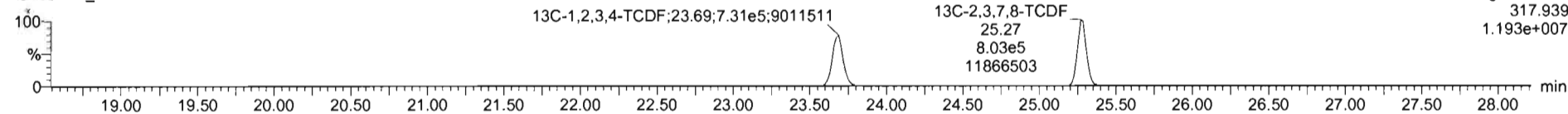


13C-2,3,7,8-TCDF

201203R2_5

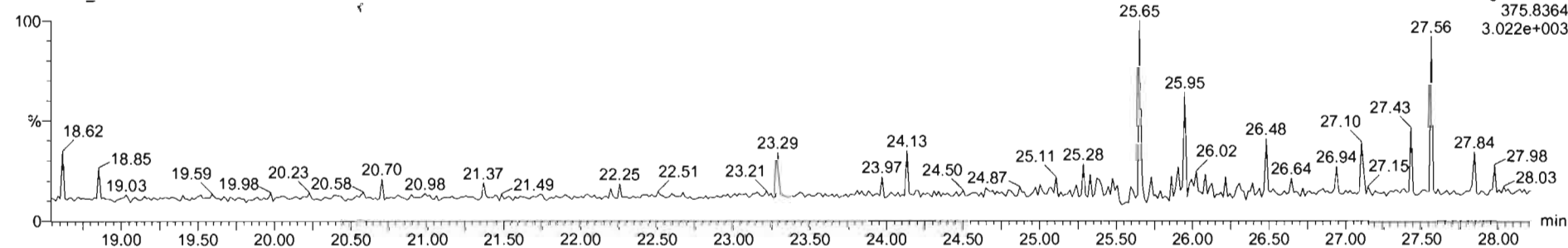


201203R2_5



DPE1

201203R2_5



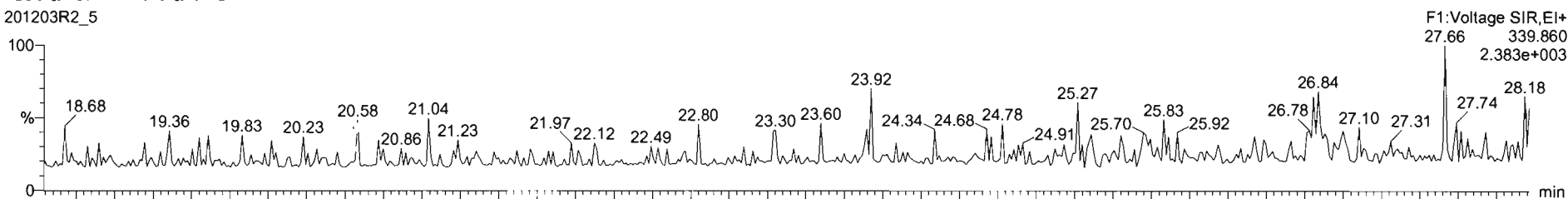
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

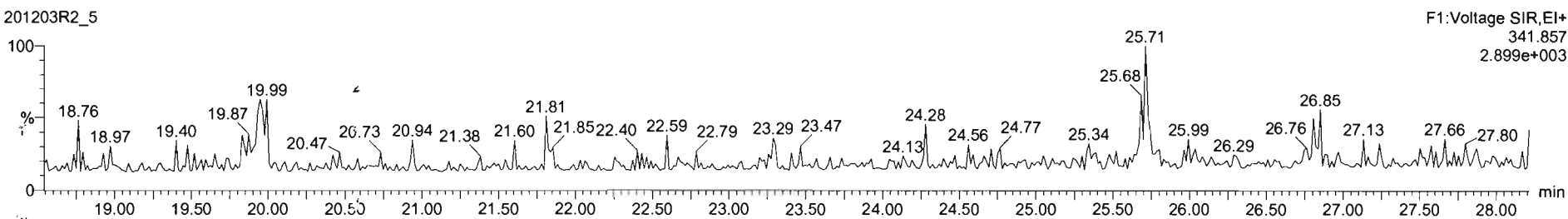
Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

1st Func. Penta-Furans

201203R2_5

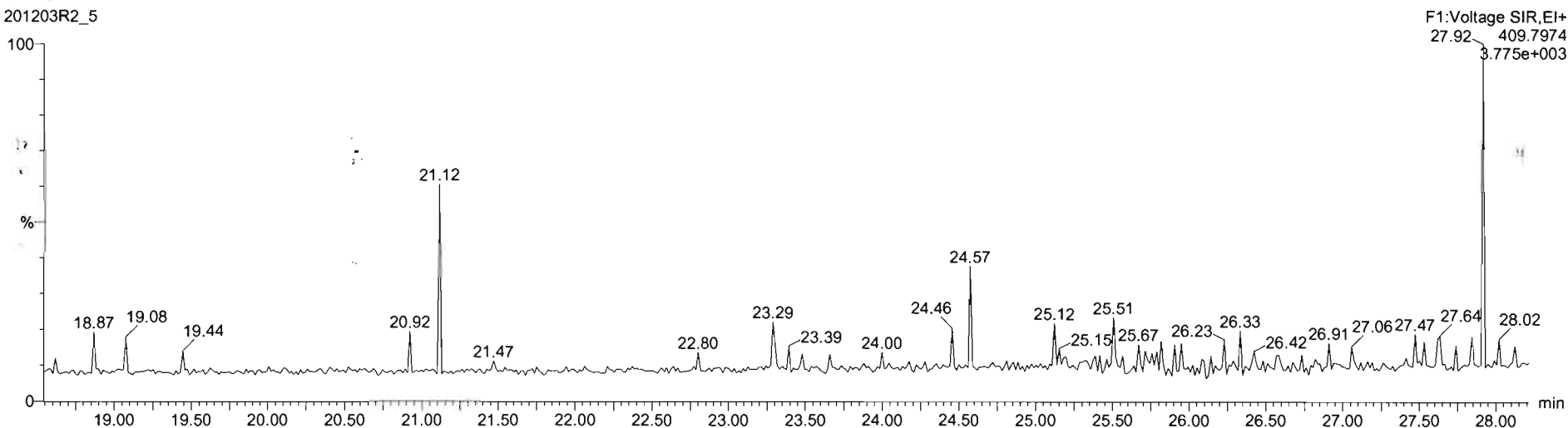


201203R2_5



DPE6

201203R2_5



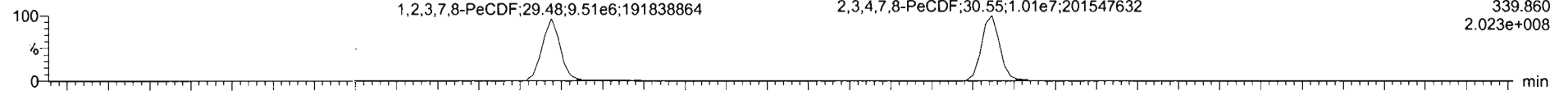
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

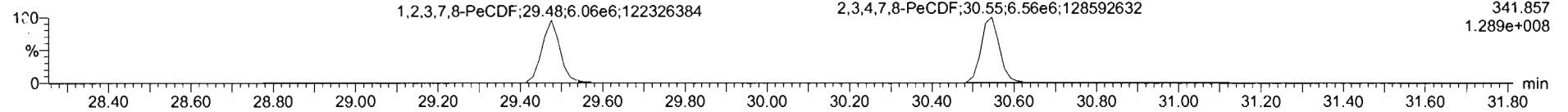
Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

1,2,3,7,8-PeCDF

201203R2_5

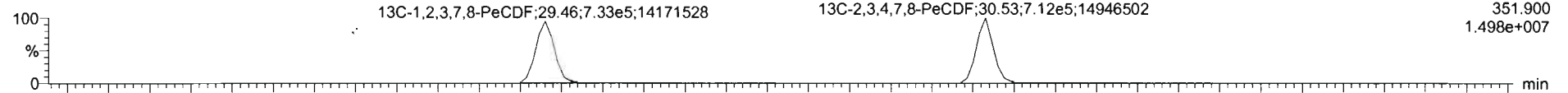


201203R2_5

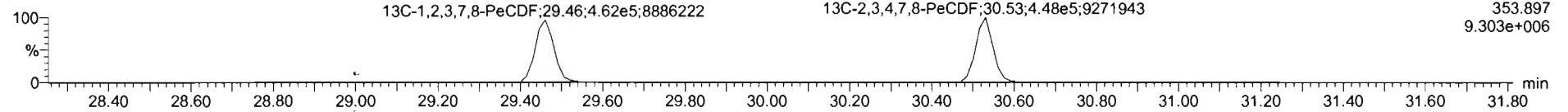


13C-1,2,3,7,8-PeCDF

201203R2_5

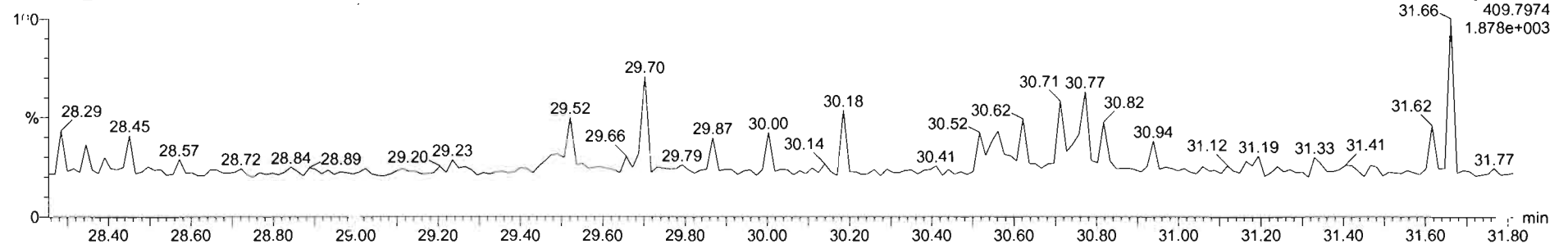


201203R2_5



DPE2

201203R2_5



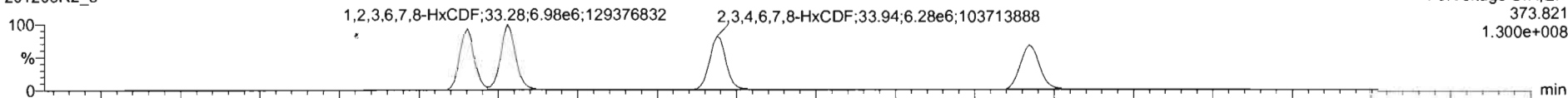
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

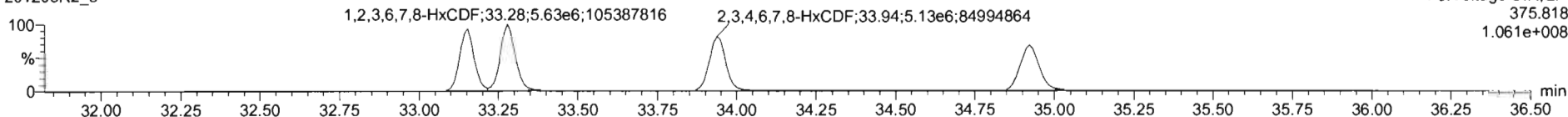
Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

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

201203R2_5

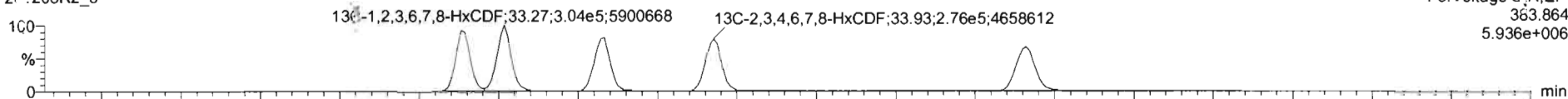


201203R2_5

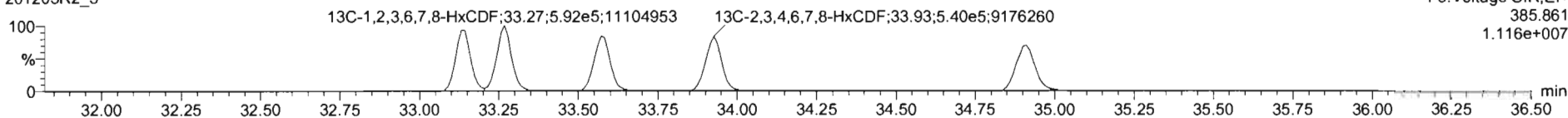


13C-1,2,3,4,7,8-HxCDF

201203R2_5

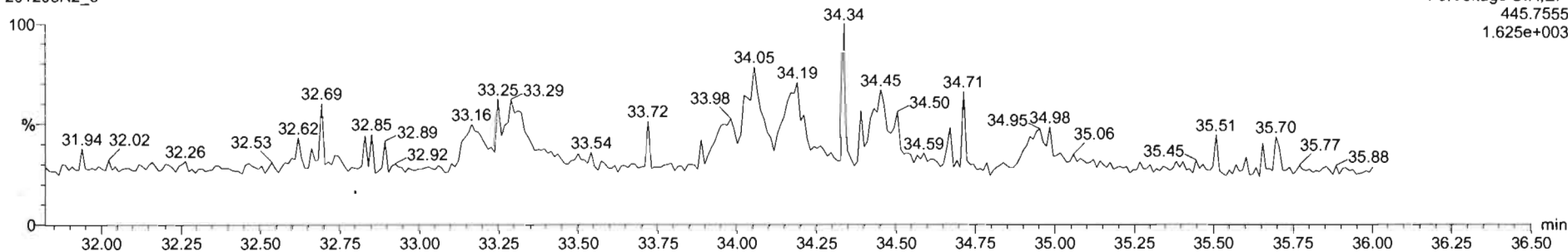


201203R2_5



DPE3

201203R2_5

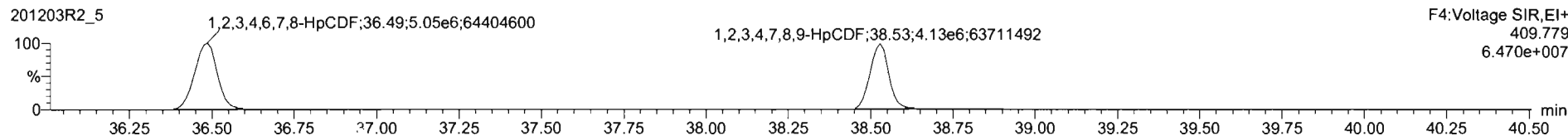
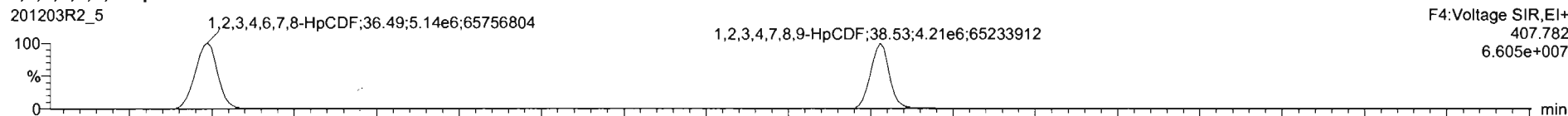


D .taset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

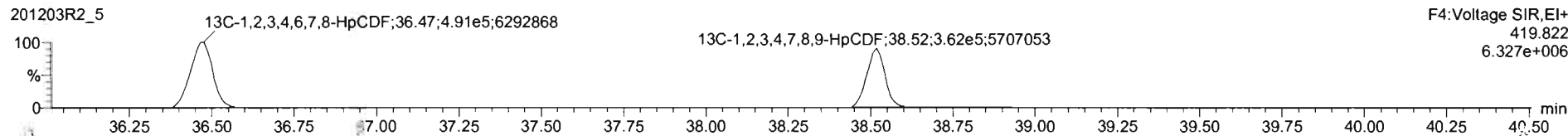
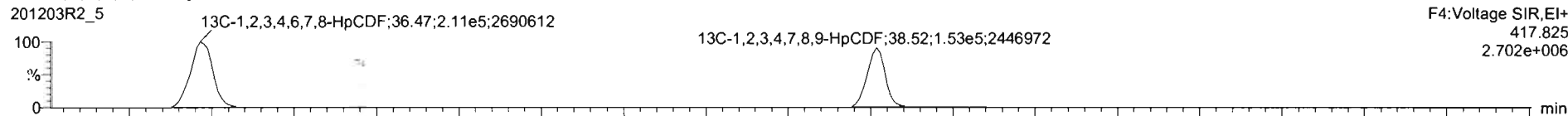
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

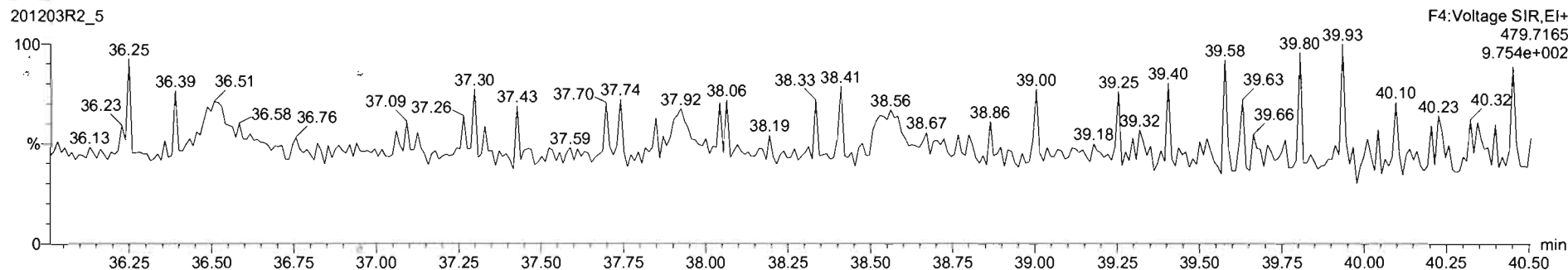
1,2,3,4,6,7,8-HpCDF



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



DPE4



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

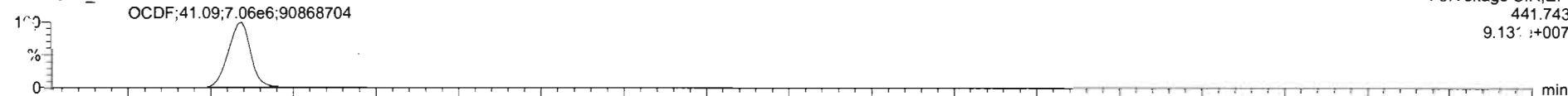
Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time

Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

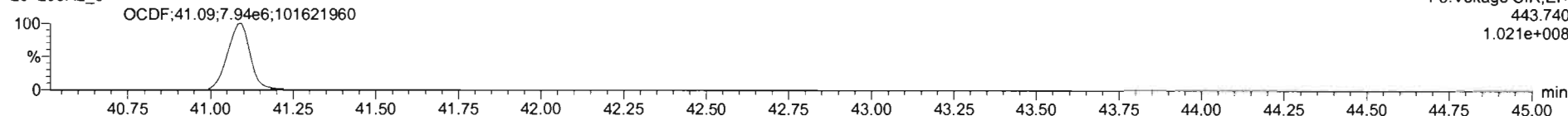
Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303

OCDF

201203R2_5

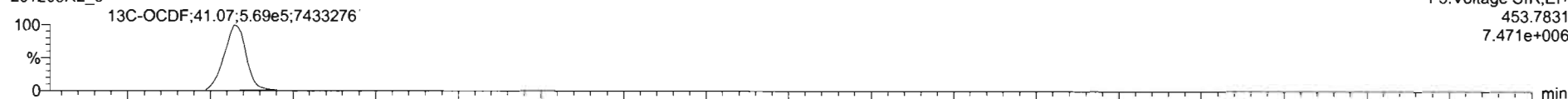


201203R2_5

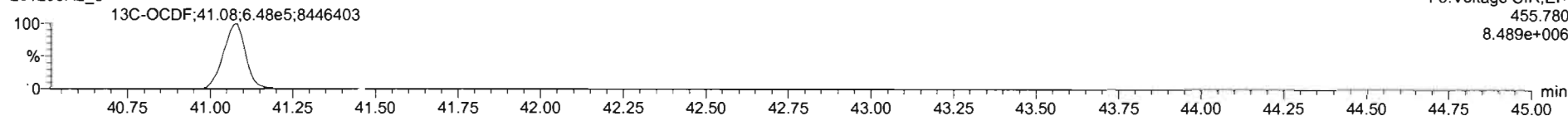


13C-OCDF

201203R2_5

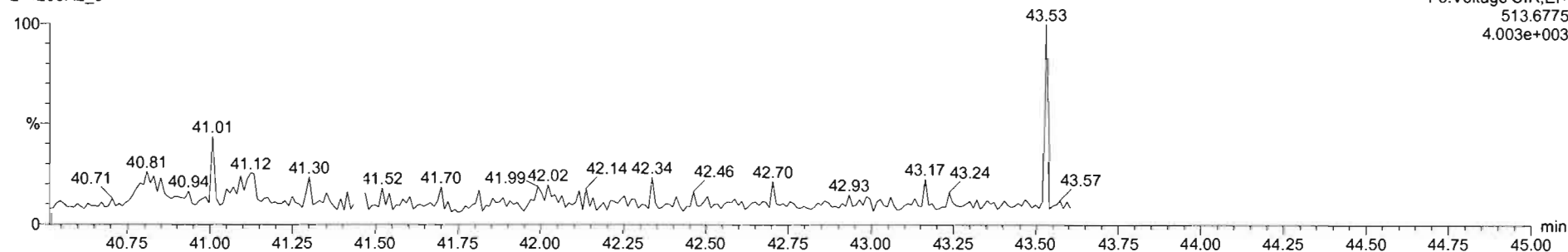


201203R2_5



DPE5

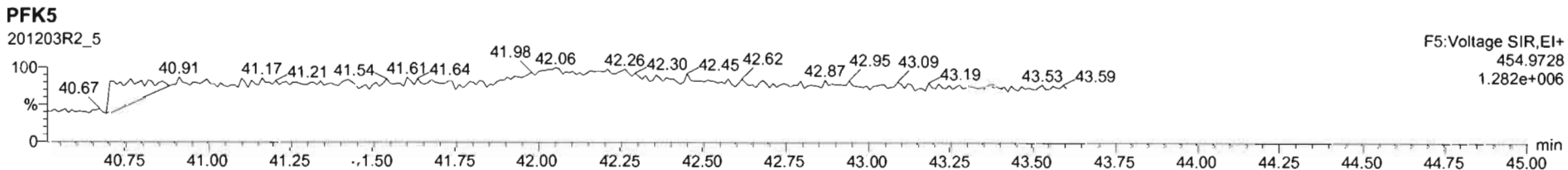
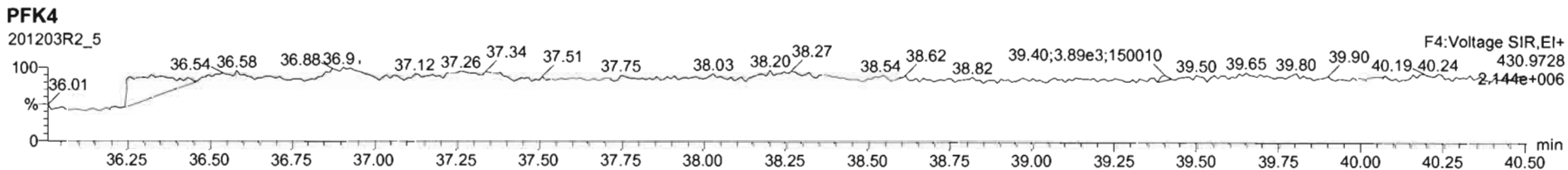
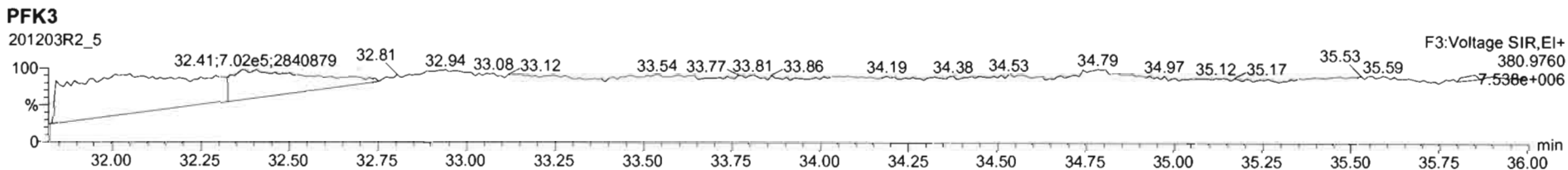
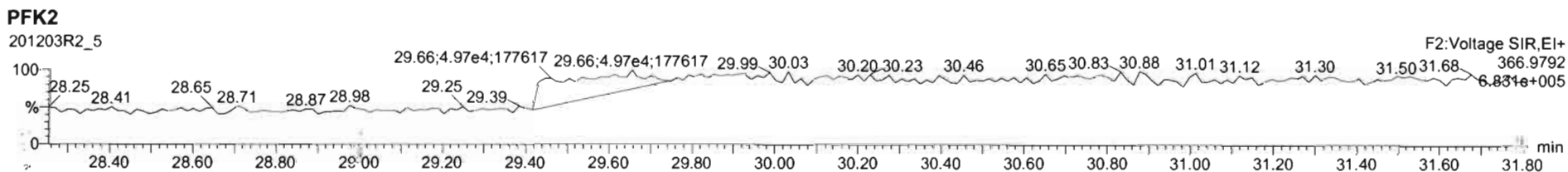
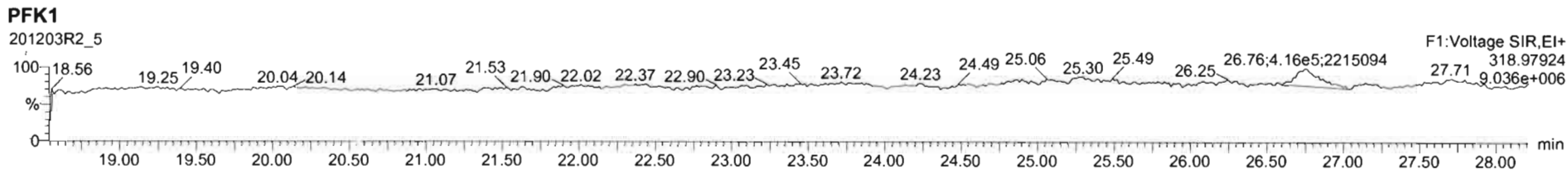
201203R2_5



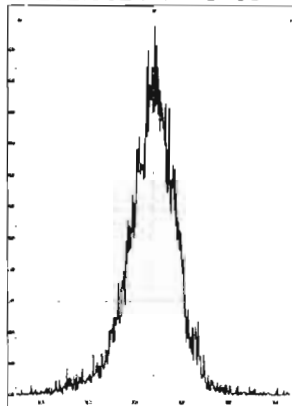
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_CRV.qld

Last Altered: Friday, December 04, 2020 08:58:11 Pacific Standard Time
Printed: Friday, December 04, 2020 09:59:16 Pacific Standard Time

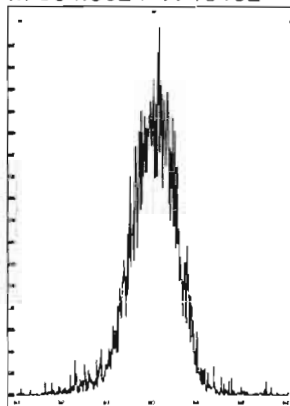
Name: 201203R2_5, Date: 03-Dec-2020, Time: 13:47:04, ID: ST201203R2_5 1613 CS5 20L0303, Description: 1613 CS5 20L0303



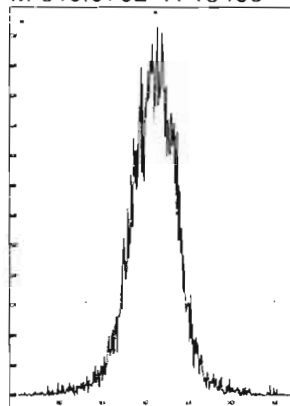
M 292.9824 R 13305



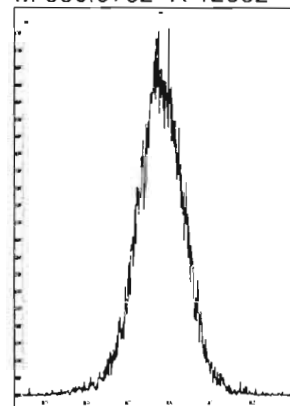
M 304.9824 R 13192



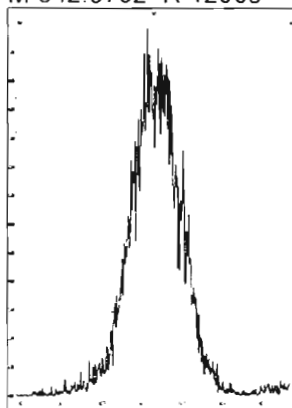
M 318.9792 R 13406



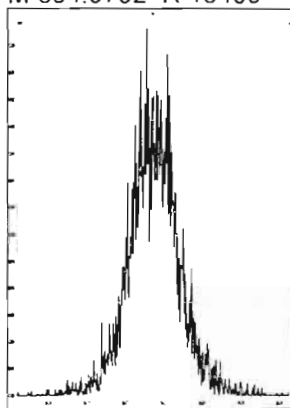
M 330.9792 R 12562



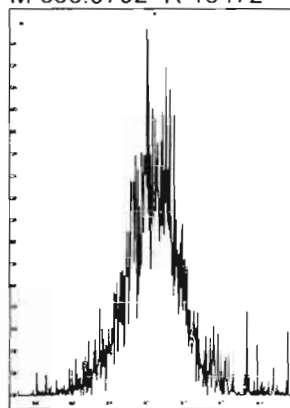
M 342.9792 R 12005



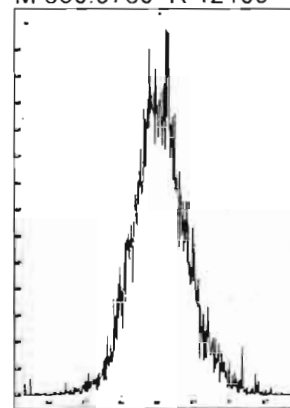
M 354.9792 R 13409



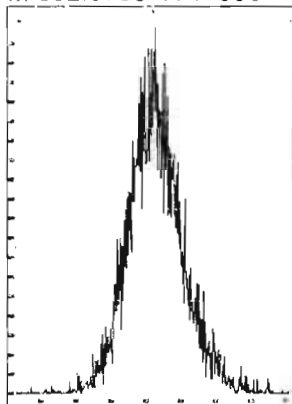
M 366.9792 R 13472



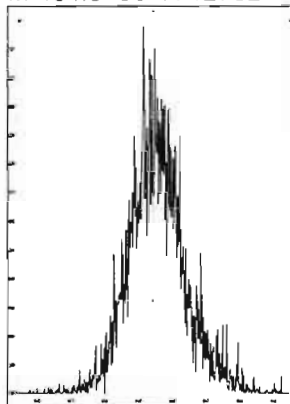
M 380.9760 R 12109



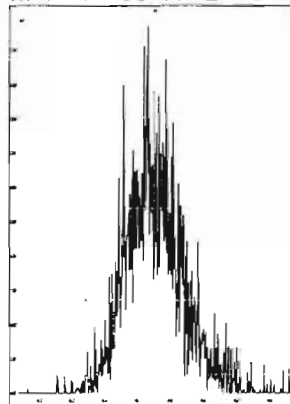
M 392.9760 R 11990



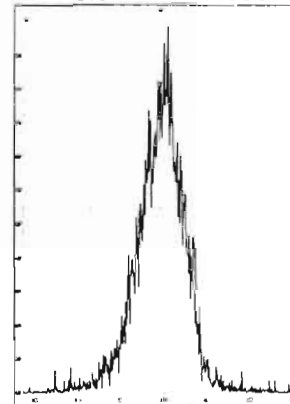
M 404.9760 R 12732



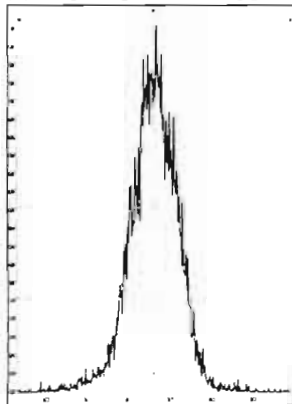
M 416.9760 R 12233



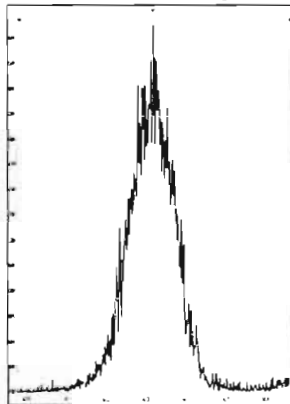
M 318.9792 R 14098



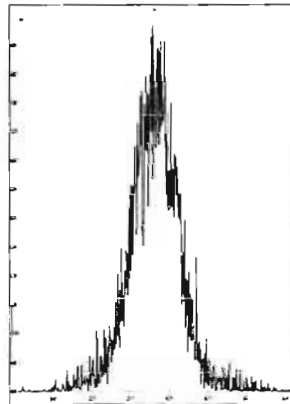
M 330.9792 R 13785



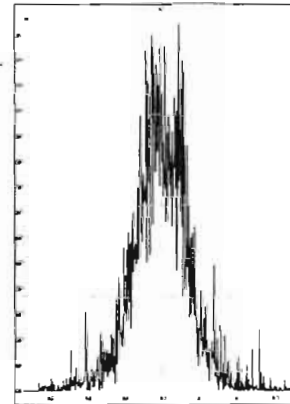
M 342.9792 R 12872



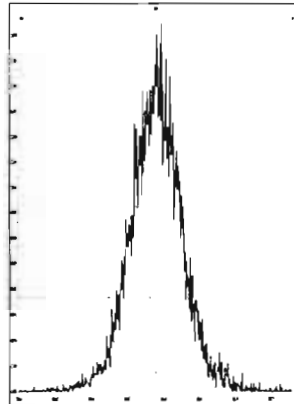
M 354.9792 R 14296



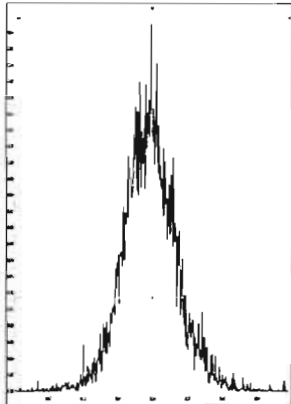
M 366.9792 R 14931



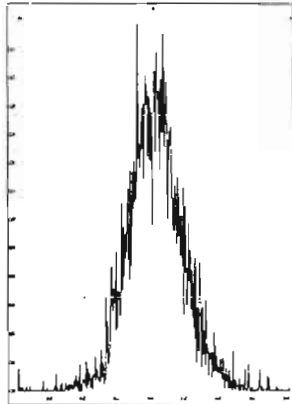
M 380.9760 R 12177



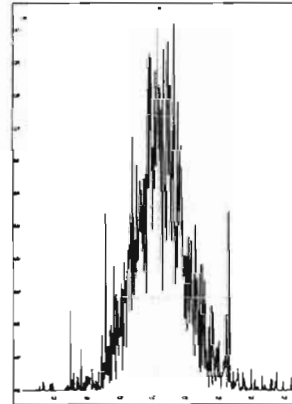
M 392.9760 R 11966



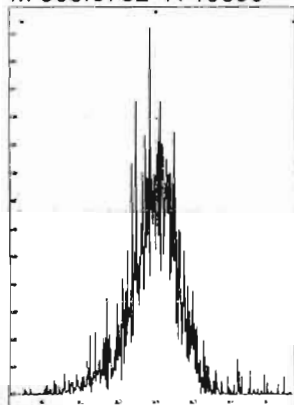
M 404.9760 R 12997



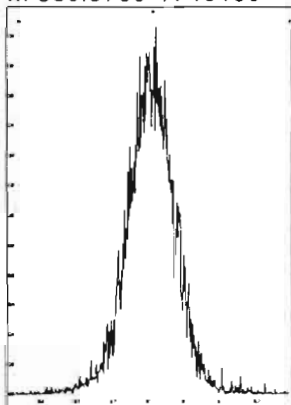
M 416.9760 R 14189



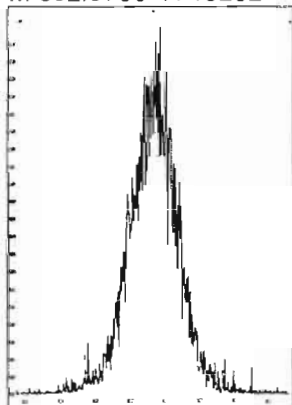
M 366.9792 R 16388



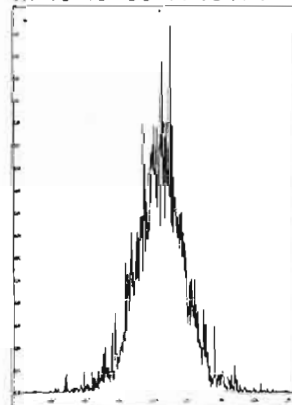
M 380.9760 R 13160



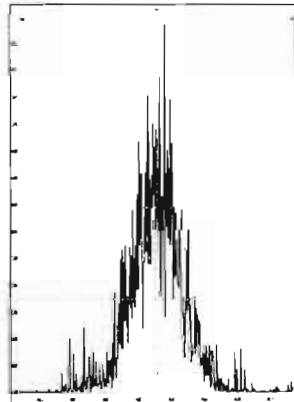
M 392.9760 R 13262



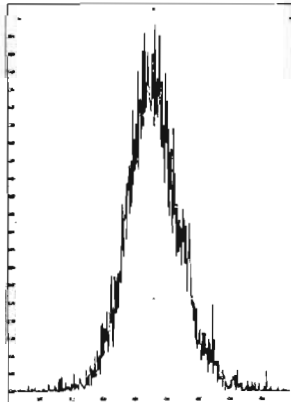
M 404.9760 R 13171



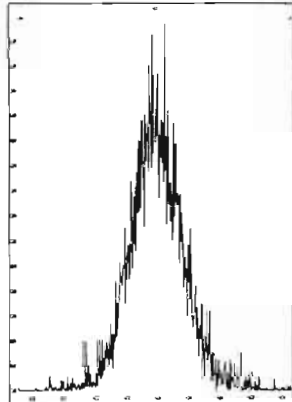
M 416.9760 R 13927



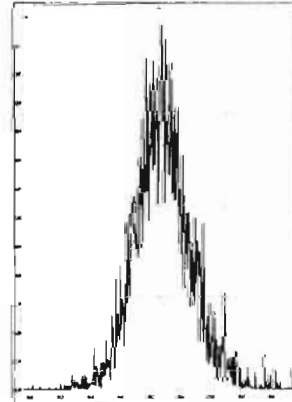
M 430.9728 R 11907



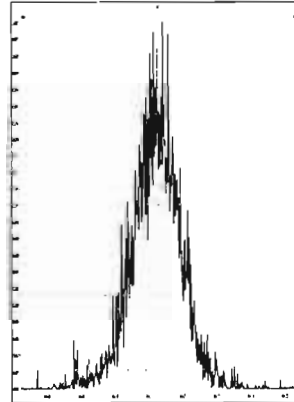
M 442.9728 R 13262



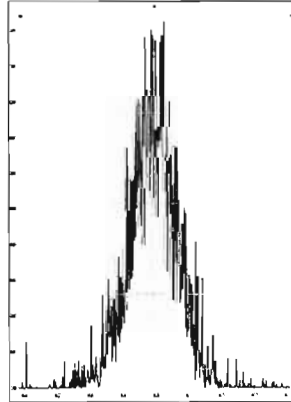
M 454.9728 R 12953



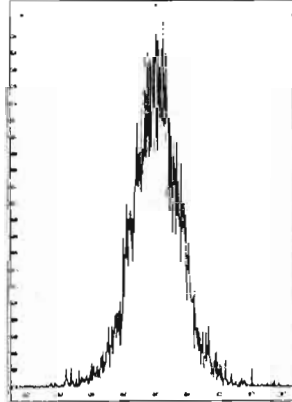
M 404.9760 R 14759



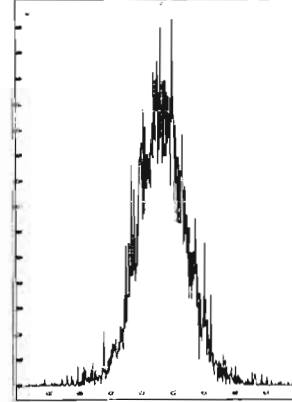
M 416.9760 R 15712



M 430.9728 R 13311

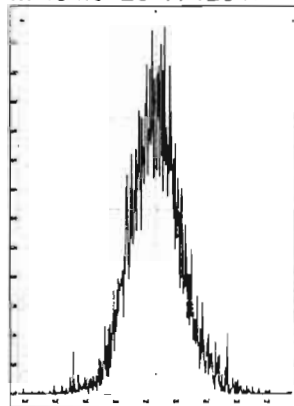


M 442.9728 R 13454

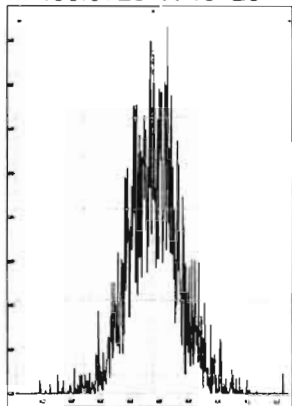


Printed: Thursday, December 03, 2020 17:02:52 Pacific Standard Time

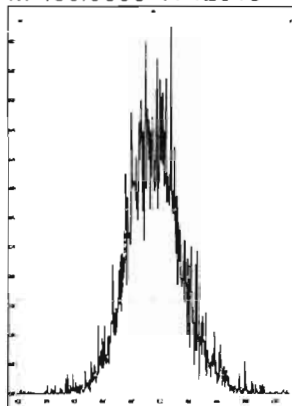
M 454.9728 R 12347



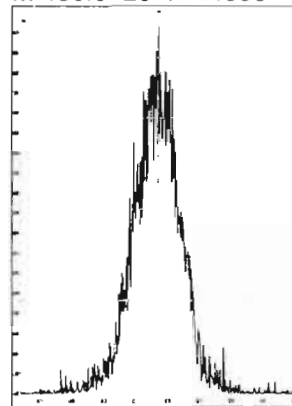
M 466.9728 R 15126



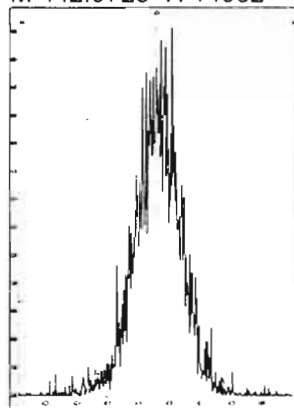
M 480.9696 R 12613



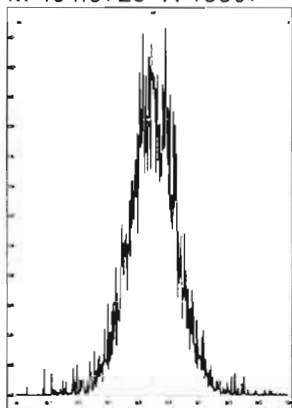
M 430.9728 R 14353



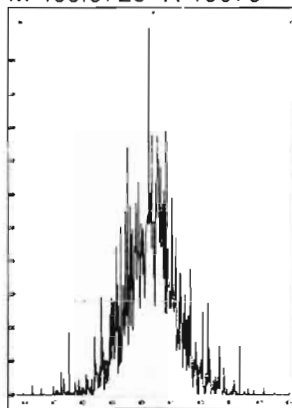
M 442.9728 R 14532



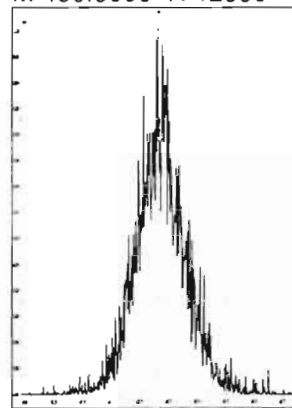
M 454.9728 R 13307



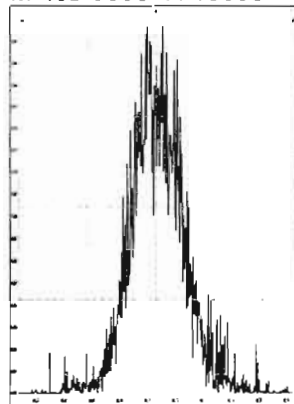
M 466.9728 R 15079



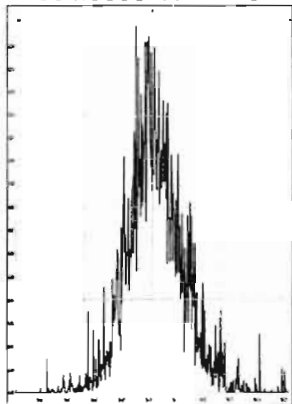
M 480.9696 R 12596



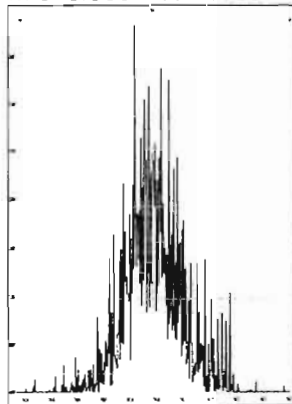
M 492.9696 R 13058



M 504.9696 R 12886



M 516.9697 R 14159



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

Last Altered: Friday, December 04, 2020 11:51:09 Pacific Standard Time

Printed: Friday, December 04, 2020 11:57:34 Pacific Standard Time

HN 12/04/2020

GRB 12/08/2020

Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

#	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	8.12e4	0.75	NO	0.980	1.000	26.008	26.01	1.001	1.001	11.221	112	0.0338	11.2
2	2 1,2,3,7,8-PeCDD	2.78e5	0.63	NO	0.932	1.000	30.751	30.76	1.000	1.000	57.143	114	0.109	57.1
3	3 1,2,3,4,7,8-HxCDD	2.27e5	1.26	NO	1.02	1.000	34.053	34.05	1.000	1.000	57.544	115	0.126	57.5
4	4 1,2,3,6,7,8-HxCDD	2.58e5	1.25	NO	0.902	1.000	34.168	34.18	1.000	1.001	62.459	125	0.119	62.5
5	5 1,2,3,7,8,9-HxCDD	2.43e5	1.27	NO	0.954	1.000	34.440	34.45	1.000	1.001	58.002	116	0.129	58.0
6	6 1,2,3,4,6,7,8-HpCDD	1.75e5	1.04	NO	0.918	1.000	37.902	37.91	1.000	1.000	54.920	110	0.206	54.9
7	7 OCDD	3.13e5	0.90	NO	0.866	1.000	40.810	40.81	1.000	1.000	123.69	124	0.226	124
8	8 2,3,7,8-TCDF	1.01e5	0.74	NO	0.848	1.000	25.292	25.30	1.000	1.001	10.949	109	0.0323	10.9
9	9 1,2,3,7,8-PeCDF	4.31e5	1.59	NO	0.960	1.000	29.485	29.49	1.000	1.001	55.891	112	0.145	55.9
10	10 2,3,4,7,8-PeCDF	5.03e5	1.62	NO	1.07	1.000	30.546	30.56	1.000	1.000	61.255	123	0.126	61.3
11	11 1,2,3,4,7,8-HxCDF	3.21e5	1.24	NO	0.986	1.000	33.153	33.16	1.000	1.000	61.557	123	0.127	61.6
12	12 1,2,3,6,7,8-HxCDF	3.50e5	1.24	NO	1.04	1.000	33.278	33.30	1.000	1.001	58.959	118	0.121	59.0
13	13 2,3,4,6,7,8-HxCDF	3.27e5	1.24	NO	1.02	1.000	33.941	33.95	1.000	1.000	61.252	123	0.143	61.3
14	14 1,2,3,7,8,9-HxCDF	2.66e5	1.23	NO	0.991	1.000	34.922	34.94	1.000	1.001	57.127	114	0.209	57.1
15	15 1,2,3,4,6,7,8-HpCDF	2.70e5	1.01	NO	1.05	1.000	36.490	36.50	1.000	1.000	60.349	121	0.233	60.3
16	16 1,2,3,4,7,8,9-HpCDF	1.98e5	1.01	NO	1.18	1.000	38.528	38.54	1.000	1.000	57.224	114	0.262	57.2
17	17 OCDF	3.54e5	0.90	NO	0.896	1.000	41.100	41.10	1.000	1.000	118.85	119	0.359	119
18	18 13C-2,3,7,8-TCDD	7.38e5	0.78	NO	1.06	1.000	25.952	25.98	1.030	1.031	101.50	102	0.148	
19	19 13C-1,2,3,7,8-PeCDD	5.22e5	0.62	NO	0.785	1.000	30.648	30.74	1.216	1.220	96.571	96.6	0.135	
20	20 13C-1,2,3,4,7,8-HxCDD	3.87e5	1.28	NO	0.621	1.000	34.048	34.04	1.014	1.014	103.46	103	0.285	
21	21 13C-1,2,3,6,7,8-HxCDD	4.58e5	1.29	NO	0.734	1.000	34.186	34.16	1.018	1.017	103.62	104	0.241	
22	22 13C-1,2,3,7,8,9-HxCDD	4.38e5	1.28	NO	0.723	1.000	34.428	34.43	1.025	1.025	100.66	101	0.245	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.48e5	1.06	NO	0.568	1.000	37.904	37.90	1.129	1.129	101.76	102	0.392	
24	24 13C-OCDD	5.85e5	0.90	NO	0.496	1.000	40.862	40.81	1.217	1.215	195.89	97.9	0.404	
25	25 13C-2,3,7,8-TCDF	1.08e6	0.78	NO	0.919	1.000	25.276	25.28	1.003	1.004	103.53	104	0.146	
26	26 13C-1,2,3,7,8-PeCDF	8.04e5	1.61	NO	0.715	1.000	29.386	29.48	1.166	1.170	98.865	98.9	0.247	
27	27 13C-2,3,4,7,8-PeCDF	7.69e5	1.59	NO	0.689	1.000	30.439	30.55	1.208	1.212	98.136	98.1	0.256	
28	28 13C-1,2,3,4,7,8-HxCDF	5.30e5	0.51	NO	0.873	1.000	33.142	33.15	0.987	0.987	100.67	101	0.314	
29	29 13C-1,2,3,6,7,8-HxCDF	5.72e5	0.51	NO	0.933	1.000	33.273	33.28	0.991	0.991	101.77	102	0.294	
30	30 13C-2,3,4,6,7,8-HxCDF	5.23e5	0.51	NO	0.843	1.000	33.941	33.94	1.011	1.011	102.97	103	0.326	
31	31 13C-1,2,3,7,8,9-HxCDF	4.69e5	0.51	NO	0.780	1.000	34.935	34.92	1.040	1.040	99.930	99.9	0.352	

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

Last Altered: Friday, December 04, 2020 11:51:09 Pacific Standard Time

Printed: Friday, December 04, 2020 11:57:34 Pacific Standard Time

Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

	# 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	4.26e5	0.42	NO	0.726	1.000	36.500	36.49	1.087	1.086	97.268	97.3	0.265	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.94e5	0.42	NO	0.491	1.000	38.532	38.53	1.147	1.147	99.221	99.2	0.391	
34	34 13C-OCDF	6.65e5	0.87	NO	0.565	1.000	41.144	41.09	1.225	1.224	195.35	97.7	0.348	
35	35 37Cl-2,3,7,8-TCDD	9.13e4			1.22	1.000	25.952	25.99	1.030	1.032	10.891	109	0.0217	
36	36 13C-1,2,3,4-TCDD	6.89e5	0.77	NO	1.00	1.000	25.370	25.20	1.000	1.000	100.00	100	0.157	
37	37 13C-1,2,3,4-TCDF	1.14e6	0.78	NO	1.00	1.000	23.870	23.67	1.000	1.000	100.00	100	0.134	
38	38 13C-1,2,3,4,6,9-HxCDF	6.02e5	0.51	NO	1.00	1.000	33.710	33.58	1.000	1.000	100.00	100	0.274	

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

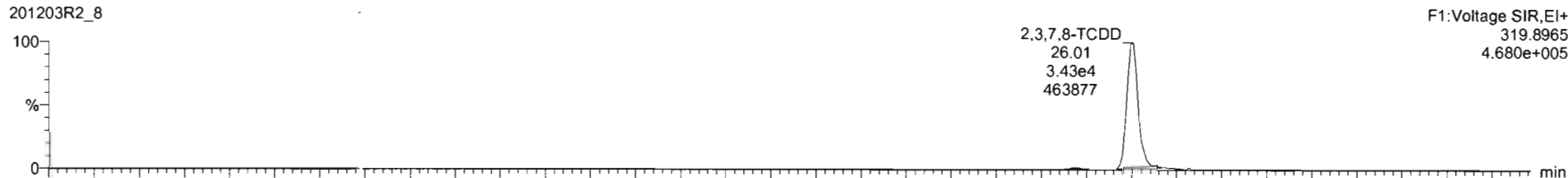
Method: U:\VG12.PRO\MethDB\1613rrt-11-11-20.mdb 12 Nov 2020 07:51:39

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-12-03-20.cdb 04 Dec 2020 11:36:07

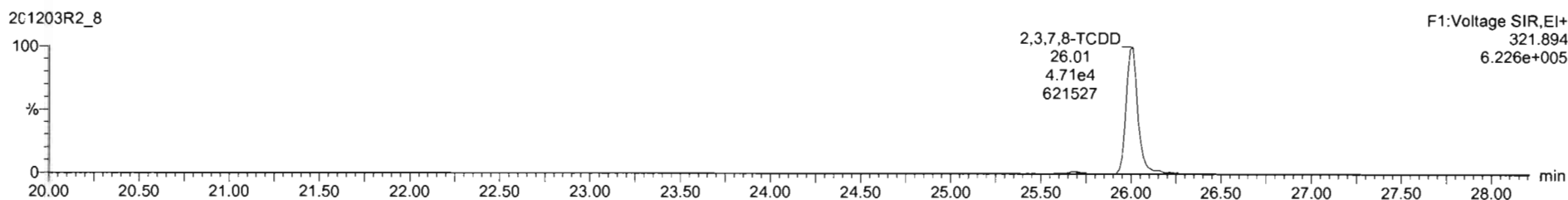
Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

2,3,7,8-TCDD

201203R2_8

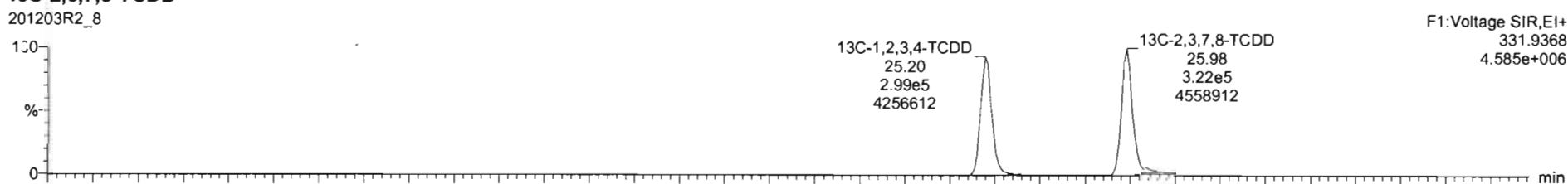


201203R2_8

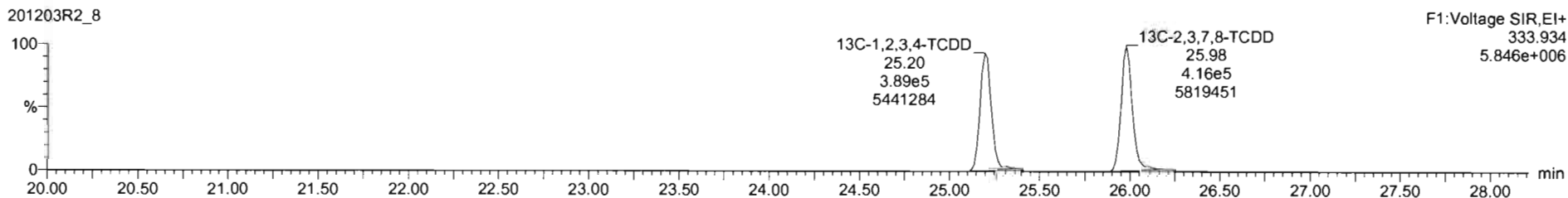


13C-2,3,7,8-TCDD

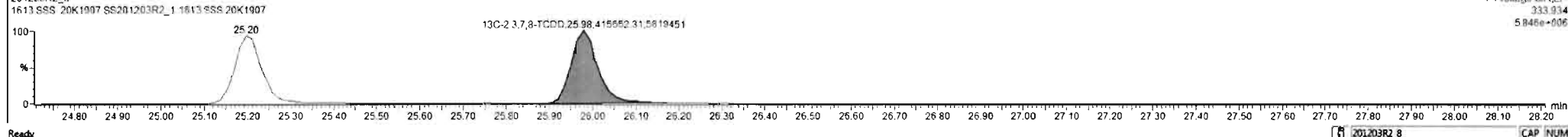
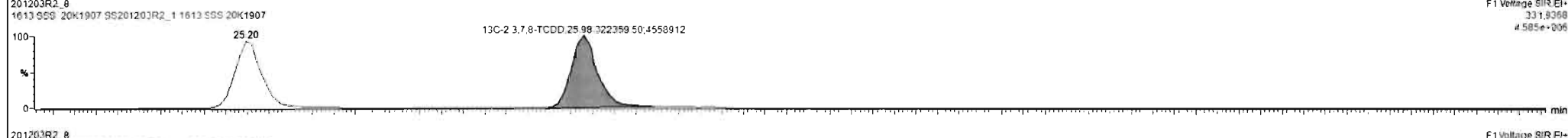
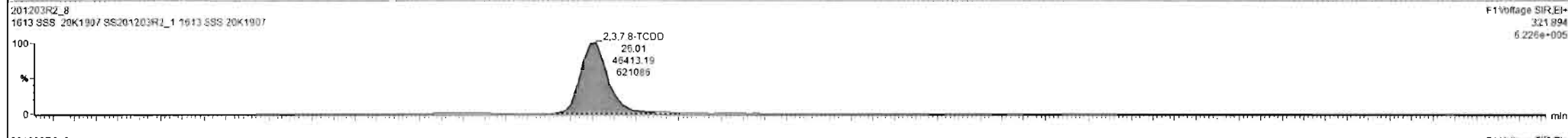
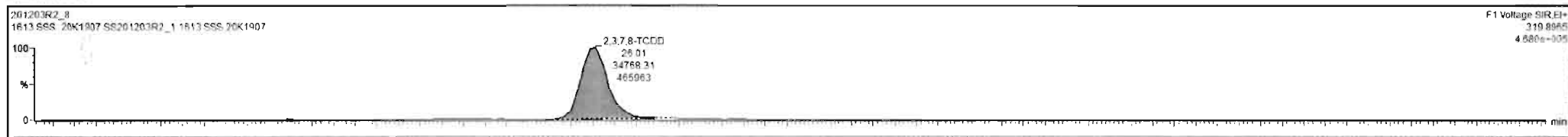
201203R2_8



201203R2_8



#	Name	Resp	RA	dy	RRF	wt/wt	R ²	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	8.12e4	0.75	NO	0.9805	1.000	26.01	1.001	11.2	112	0.0338	11.2
2	1,2,3,7,8-PeCDD	2.78e5	0.63	NO	0.9320	1.000	30.76	1.000	57.1	114	0.109	57.1
3	1,2,3,4,7,8-HxCDD	2.27e5	1.26	NO	1.0203	1.000	34.05	1.000	57.5	115	0.126	57.5
4	1,2,3,6,7,8-HxCDD	2.58e5	1.25	NO	0.9025	1.000	34.18	1.001	62.5	125	0.119	62.5
5	1,2,3,7,8-HxCDD	2.43e5	1.27	NO	0.9542	1.000	34.95	1.001	58.0	116	0.129	58.0
6	1,2,3,4,6,8-HpCDD	1.75e5	1.04	NO	0.9150	1.000	37.91	1.000	54.9	110	0.208	54.9
7	OCDD	3.13e5	0.90	NO	0.8658	1.000	40.81	1.000	124	124	0.226	124
8	2,3,7,8-TCDF	1.01e5	0.74	NO	0.8480	1.000	25.20	1.001	10.9	109	0.0323	10.9
9	1,2,3,7,8-PeCDF	4.31e5	1.59	NO	0.9597	1.000	29.49	1.001	55.9	112	0.145	55.9
10	2,3,4,7,8-PeCDF	5.03e5	1.62	NO	1.0671	1.000	30.56	1.000	61.3	123	0.126	61.3
11	1,2,3,4,7,8-HxCDF	3.21e5	1.24	NO	0.9859	1.000	33.16	1.000	61.6	123	0.127	61.6
12	1,2,3,6,7,8-HxCDF	3.50e5	1.24	NO	1.0388	1.000	33.20	1.001	59.0	118	0.121	59.0
13	2,3,4,6,7,8-HxCDF	3.27e5	1.24	NO	1.0202	1.000	33.95	1.000	61.3	123	0.143	61.3
14	1,2,3,7,8-HxCDF	2.86e5	1.23	NO	0.9909	1.000	34.94	1.001	57.1	114	0.209	57.1



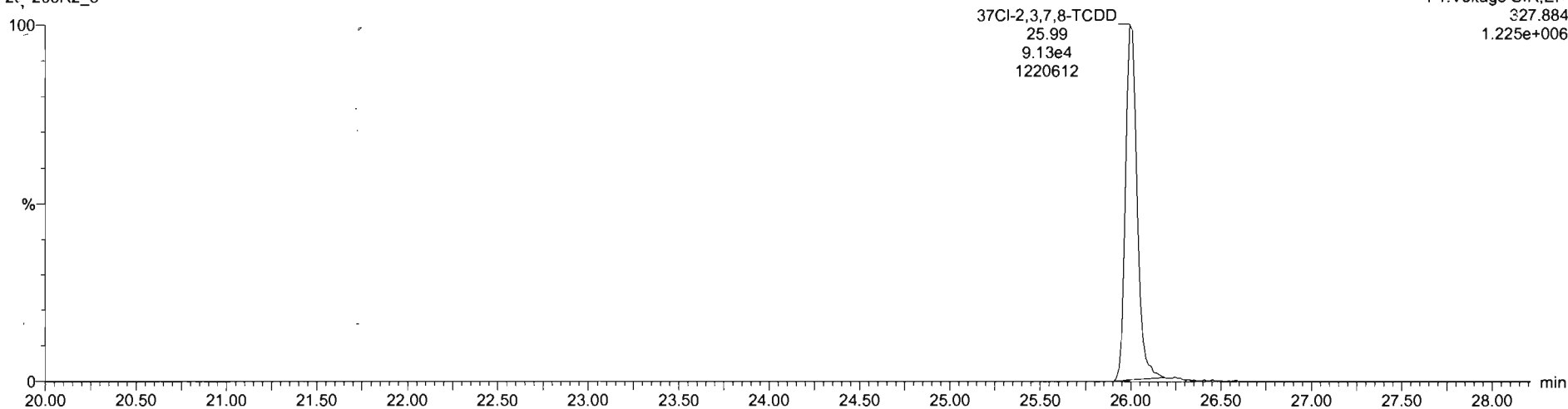
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

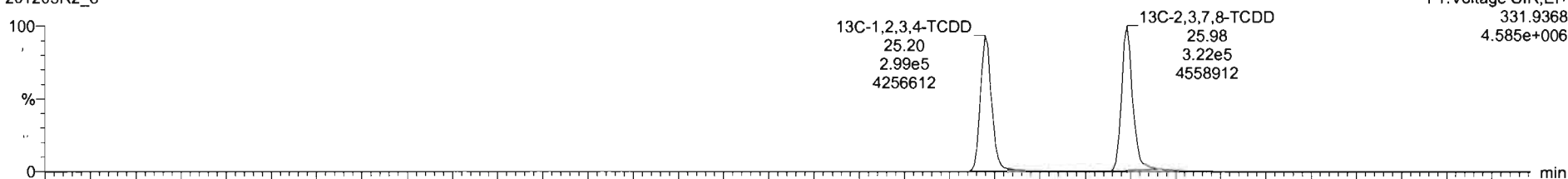
37Cl-2,3,7,8-TCDD

201203R2_8

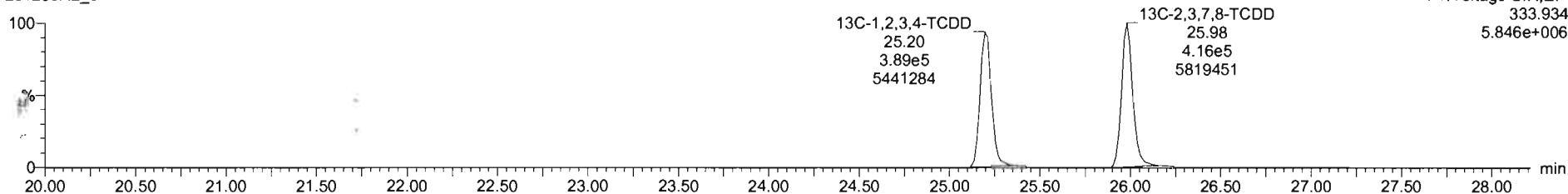


13C-1,2,3,4-TCDD

201203R2_8



201203R2_8



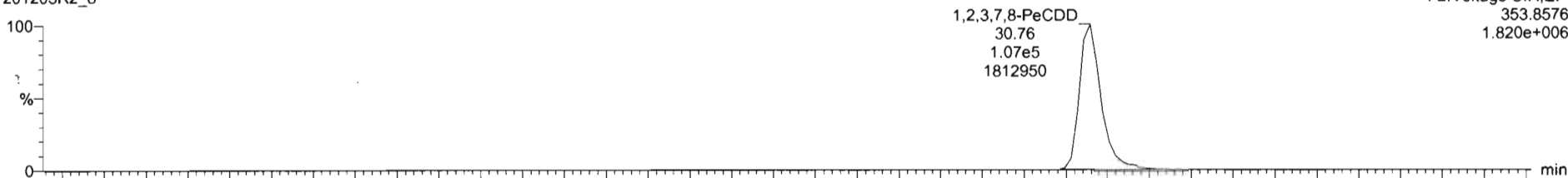
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

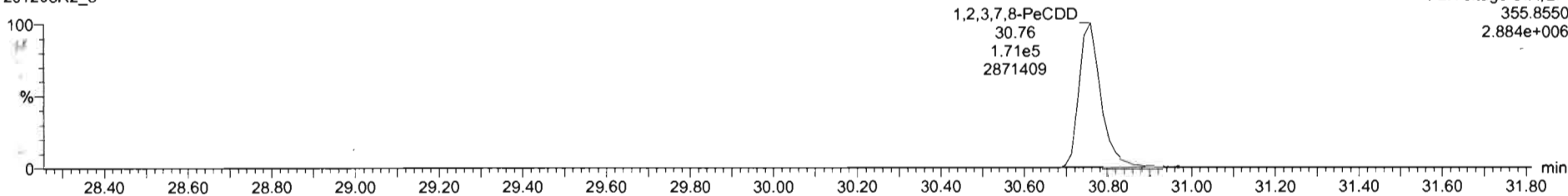
Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

1,2,3,7,8-PeCDD

201203R2_8

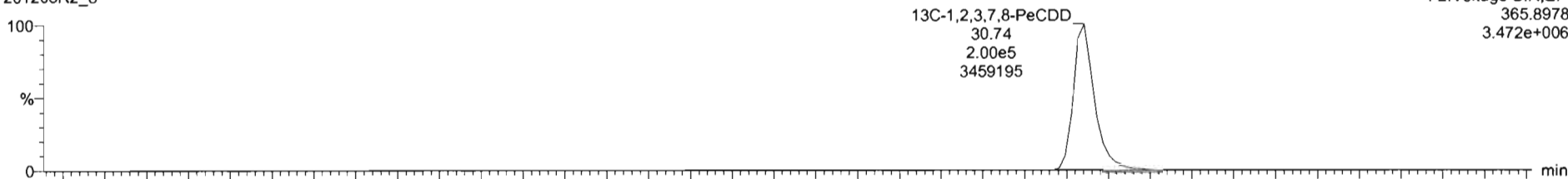


201203R2_8

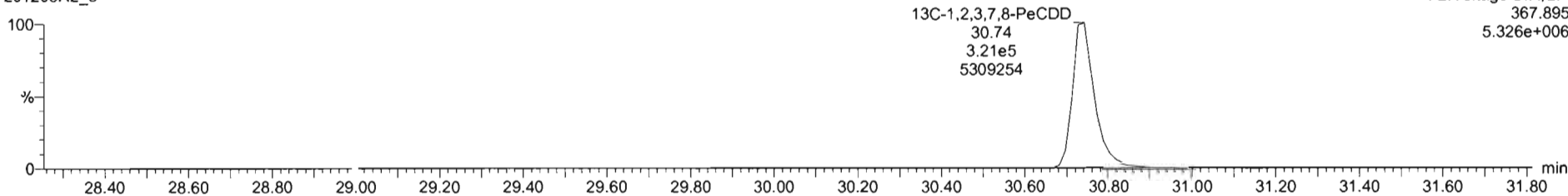


13C-1,2,3,7,8-PeCDD

201203R2_8



201203R2_8



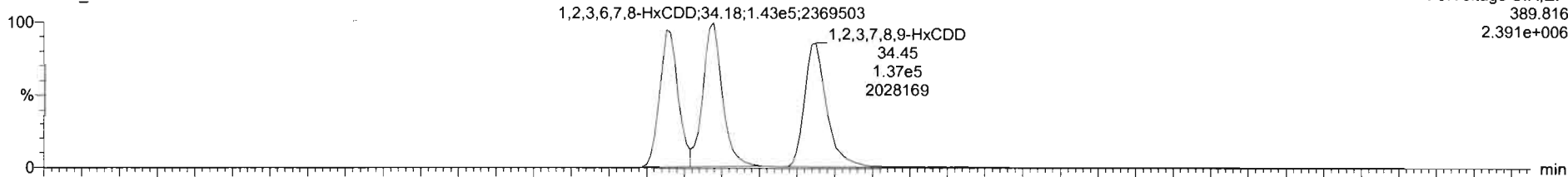
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

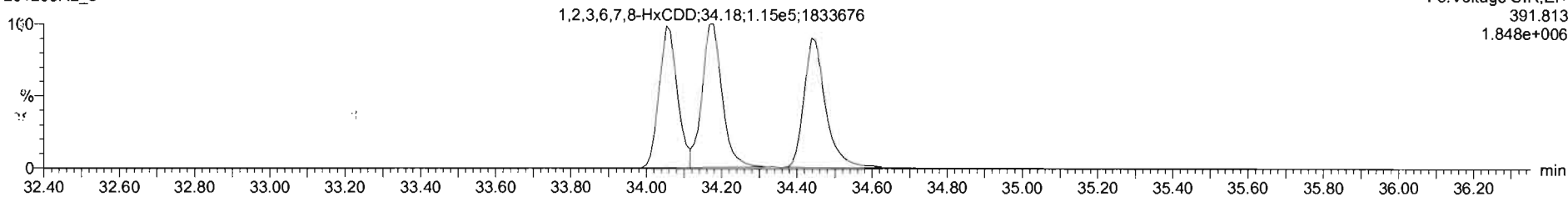
Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

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

201203R2_8

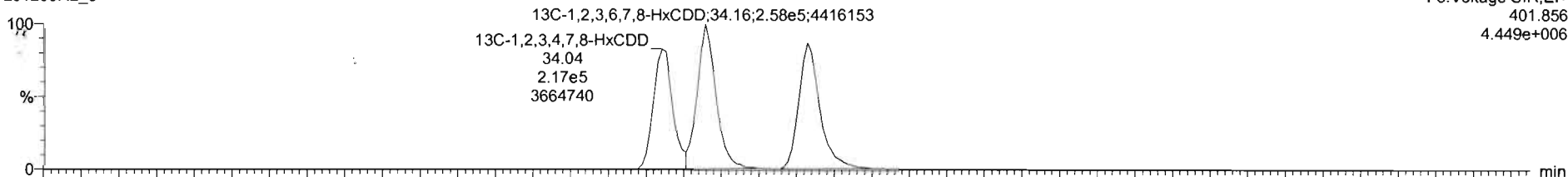


201203R2_8

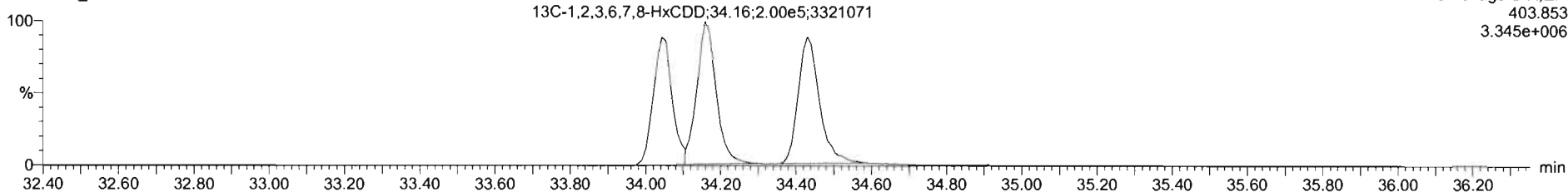


13C-1,2,3,4,7,8-HxCDD

201203R2_8

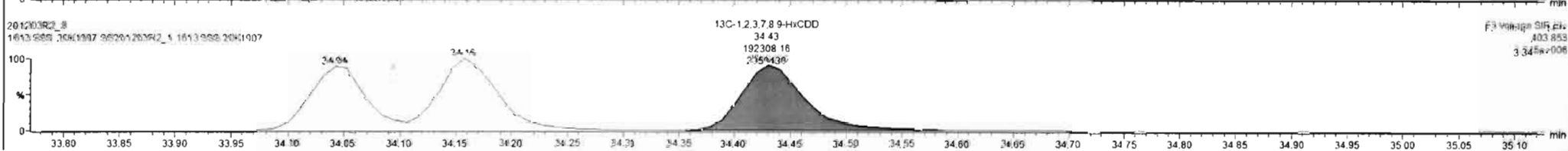
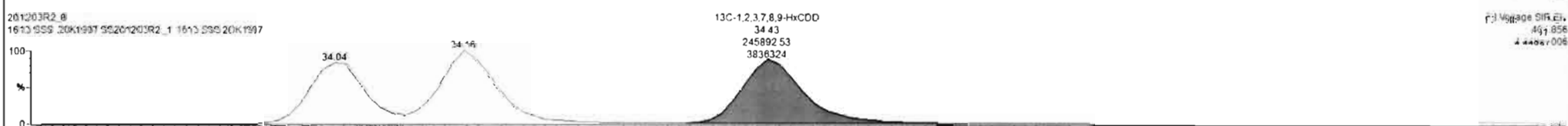
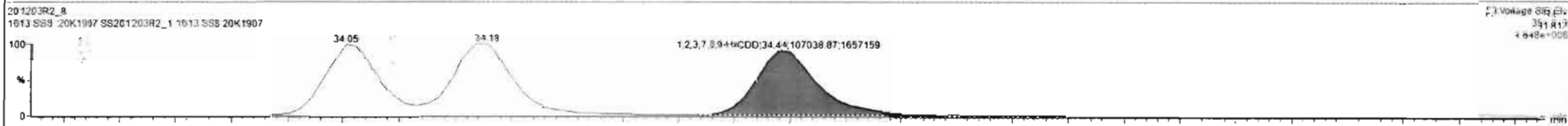
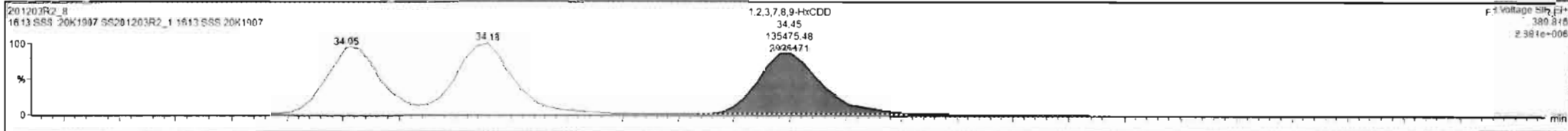


201203R2_8



201203R2_8 - SS201203R2_1 1613 SSS 20K1907 - 1613 SSS 20K1907

#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	8.12e4	0.75	NO	0.9605	1.000	26.01	1.001	11.2	112	0.0338	11.2
2	1,2,3,7,8-PeCDD	2.78e5	0.63	NO	0.9320	1.000	30.76	1.000	57.1	114	0.109	57.1
3	1,2,3,4,7,8-HxCDD	2.27e5	1.28	NO	1.0203	1.000	34.05	1.000	57.5	115	0.126	57.5
4	1,2,3,6,7,8-HxCDD	2.58e5	1.25	NO	0.9025	1.000	34.18	1.001	62.5	125	0.119	62.5
5	1,2,3,7,8,9-HxCDD	2.43e5	1.27	NO	0.9542	1.000	34.45	1.001	58.0	116	0.129	58.0
6	1,2,3,4,6,7,8-HxCDD	1.75e5	1.04	NO	0.9180	1.000	37.91	1.000	54.9	110	0.200	54.9
7	DCDD	3.13e5	0.90	NO	0.8658	1.000	40.51	1.000	124	124	0.226	124
8	2,3,7,8-TCDF	1.01e5	0.74	NO	0.8480	1.000	25.20	1.001	10.9	109	0.0323	10.9
9	1,2,3,7,8-aCDF	4.31e5	1.59	NO	0.9597	1.000	29.49	1.001	55.9	112	0.145	55.9
10	2,3,4,7,8-PeCDF	5.03e5	1.62	NO	1.0671	1.000	30.16	1.000	61.3	123	0.126	61.3
11	1,2,3,4,7,8-HxCDF	3.21e5	1.24	NO	0.9859	1.000	33.16	1.000	61.6	123	0.127	61.6
12	1,2,3,6,7,8-HxCDF	3.50e5	1.24	NO	1.0368	1.000	33.20	1.001	59.0	116	0.121	59.0
13	2,3,4,6,7,8-HxCDF	3.27e5	1.24	NO	1.0292	1.000	33.95	1.000	61.3	123	0.143	61.3
14	1,2,3,7,8,9-HxCDF	2.86e5	1.23	NO	0.9909	1.000	34.04	1.001	57.1	114	0.209	57.1



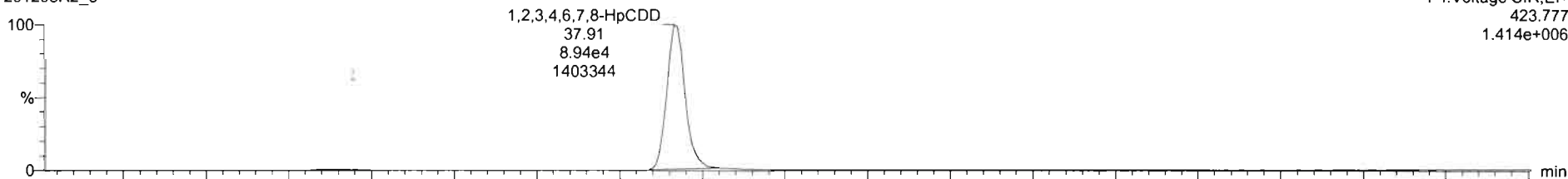
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

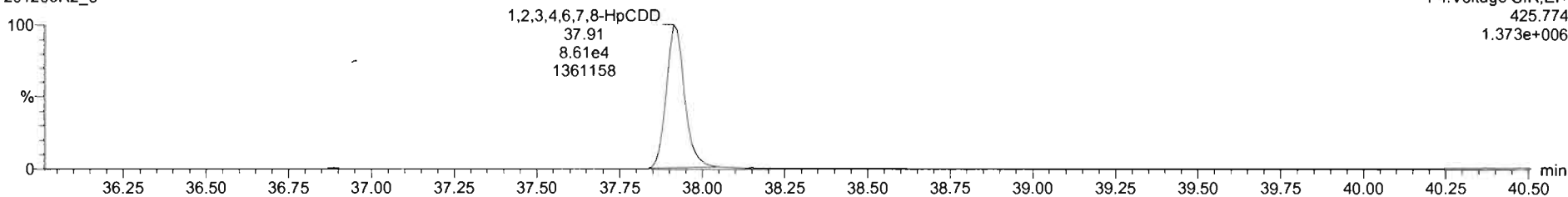
1,2,3,4,6,7,8-HpCDD

201203R2_8



F4: Voltage SIR, EI+
423.777
1.414e+006

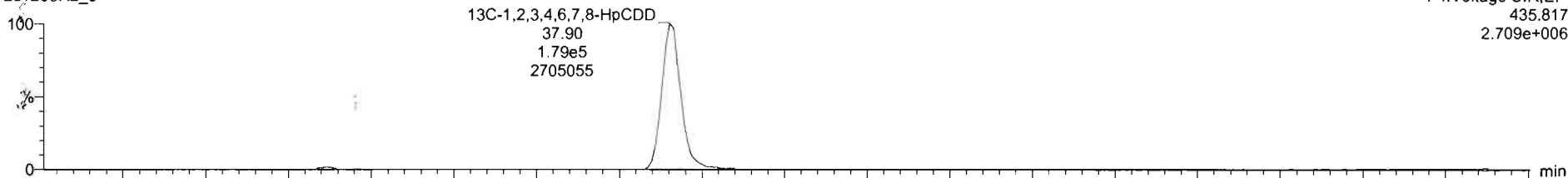
201203R2_8



F4: Voltage SIR, EI+
425.774
1.373e+006

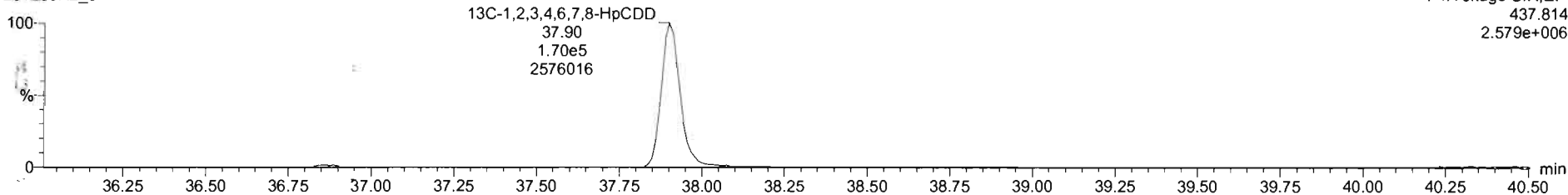
13C-1,2,3,4,6,7,8-HpCDD

201203R2_8



F4: Voltage SIR, EI+
435.817
2.709e+006

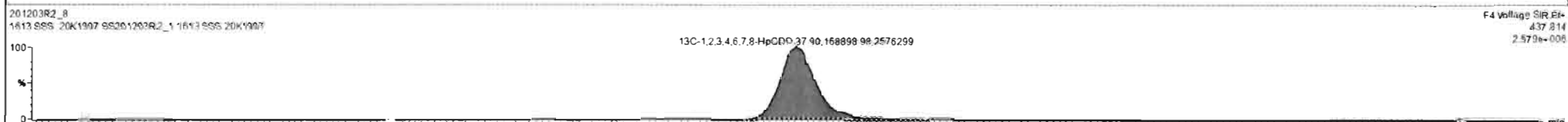
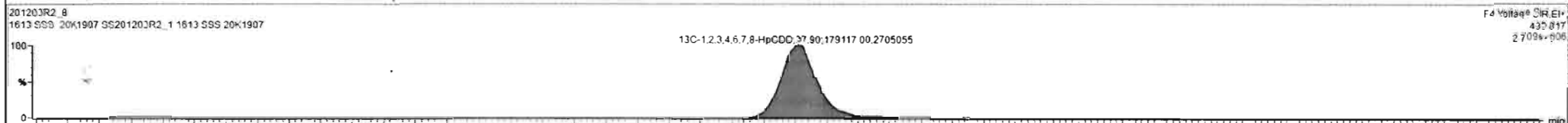
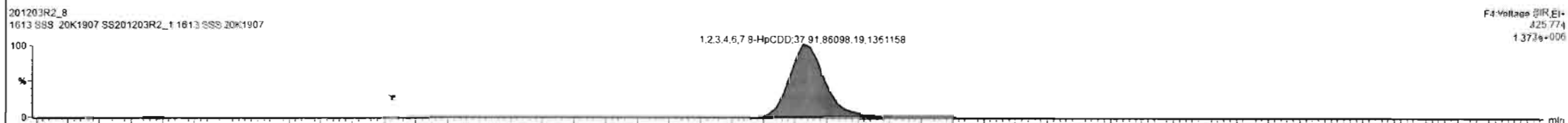
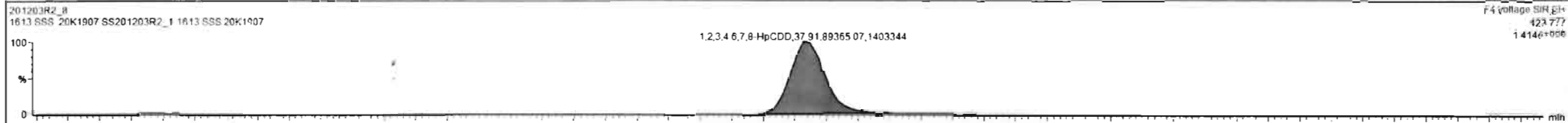
201203R2_8



F4: Voltage SIR, EI+
437.814
2.579e+006

201203R2_8 - SS201203R2_1 1613 SSS 20K1907 - 1613 SSS 20K1907

Name	Resp	RA	aly	RRF	wt/vol	R	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	8.12e4	0.75	NO	0.9605	1.000	26.01	1.001	11.2	112	0.0238	11.2
2 1,2,3,7,8-HxCDD	2.78e5	0.63	NO	0.9320	1.000	30.76	1.000	57.1	114	0.109	57.1
3 1,2,3,4,7,8-HxCDD	2.27e5	1.26	NO	1.0203	1.000	34.05	1.000	57.5	115	0.126	57.5
4 1,2,3,6,7,8-HxCDD	2.58e5	1.25	NO	0.9025	1.000	34.18	1.001	62.5	125	0.119	62.5
5 1,2,3,7,8,9-HxCDD	2.43e5	1.27	NO	0.9542	1.000	34.45	1.001	58.0	116	0.129	58.0
6 1,2,3,4,6,7,8-HpCDD	1.75e5	1.04	NO	0.9180	1.000	37.91	1.000	54.9	110	0.206	54.9
7 OCDD	3.13e5	0.90	NO	0.8658	1.000	40.01	1.000	124	124	0.226	124
8 2,3,7,8-TCDF	1.01e5	0.74	NO	0.8480	1.000	25.30	1.001	10.9	109	0.0223	10.9
9 1,2,3,7,8-PeCDF	4.31e5	1.59	NO	0.9597	1.000	29.49	1.001	55.9	112	0.145	55.9
10 2,3,4,7,8-PeCDF	5.03e5	1.62	NO	1.0671	1.000	30.56	1.000	61.3	123	0.126	61.3
11 1,2,3,4,7,8-HxCDF	3.21e5	1.24	NO	0.9859	1.000	33.16	1.000	61.6	123	0.127	61.6
12 1,2,3,6,7,8-HxCDF	3.50e5	1.24	NO	1.0366	1.000	33.30	1.001	59.0	118	0.121	59.0
13 2,3,4,6,7,8-HxCDF	3.27e5	1.24	NO	1.0202	1.000	33.95	1.000	61.3	123	0.142	61.3
14 1,2,3,7,8,9-HxCDF	2.66e5	1.22	NO	0.9909	1.000	34.94	1.001	56.8	114	0.208	56.8



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

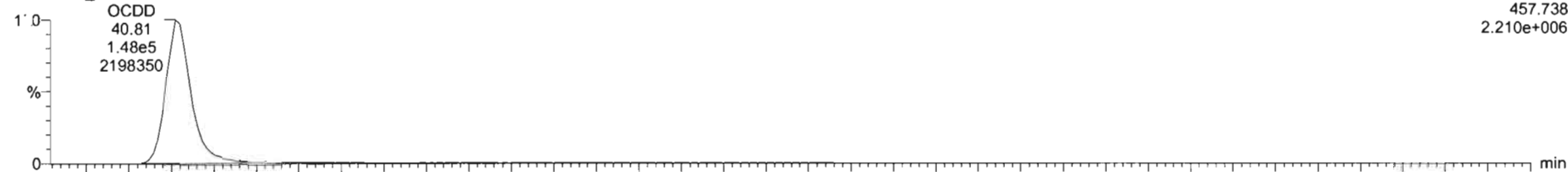
Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time

Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

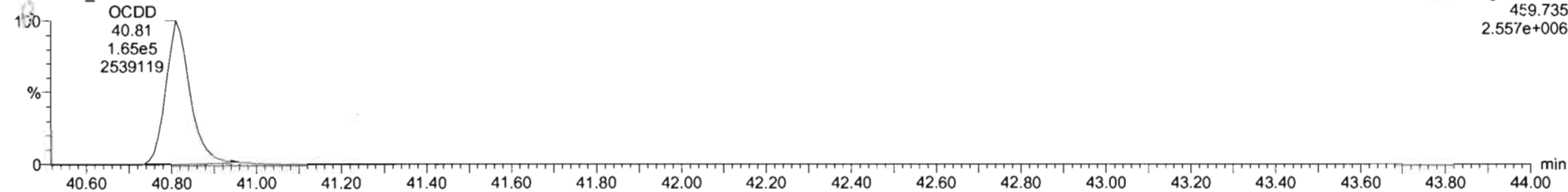
Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

OCDD

201203R2_8



201203R2_8

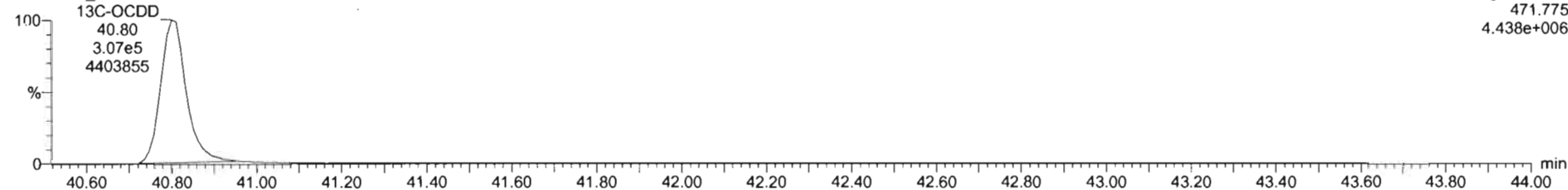


13C-OCDD

201203R2_8



201203R2_8



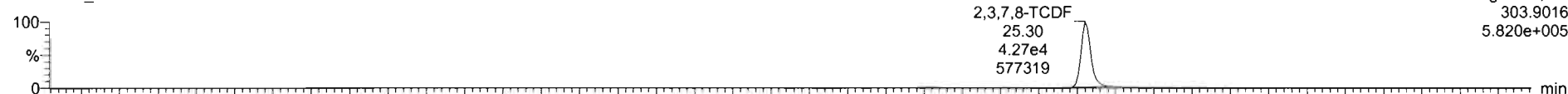
Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

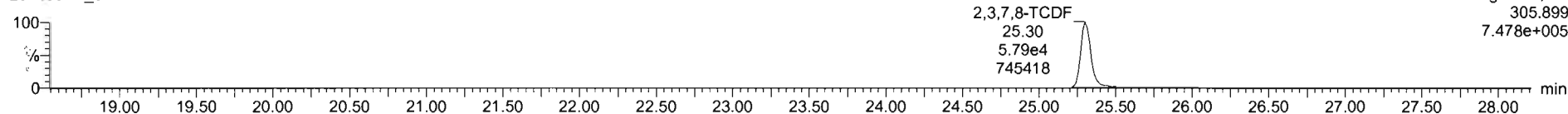
2,3,7,8-TCDF

201203R2_8



F1: Voltage SIR, EI+
303.9016
5.820e+005

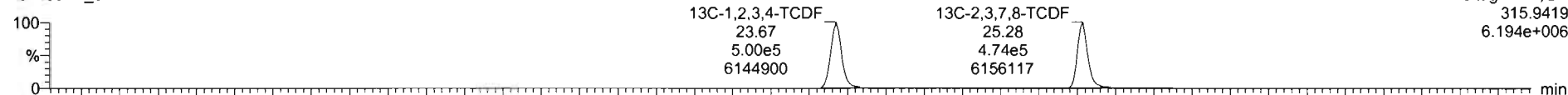
201203R2_8



F1: Voltage SIR, EI+
305.899
7.478e+005

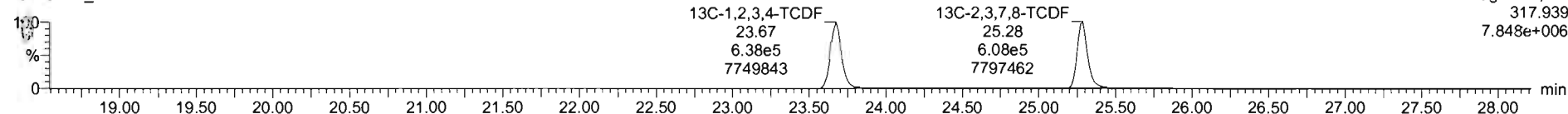
¹³C-2,3,7,8-TCDF

201203R2_8



F1: Voltage SIR, EI+
315.9419
6.194e+006

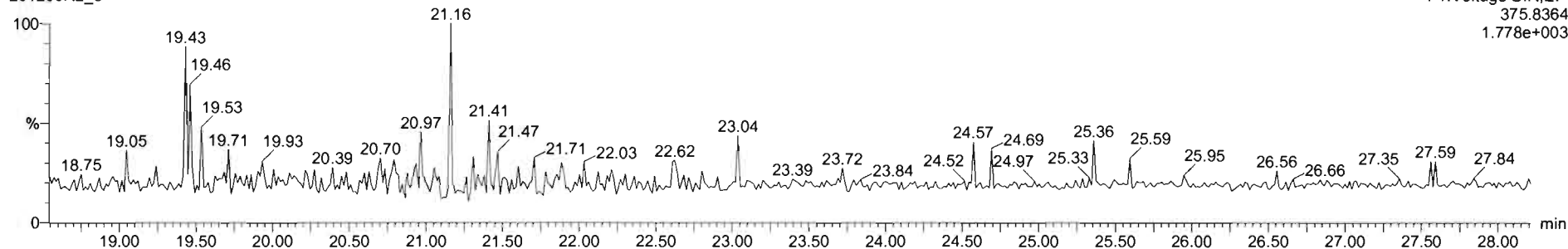
201203R2_8



F1: Voltage SIR, EI+
317.939
7.848e+006

DPE1

201203R2_8



F1: Voltage SIR, EI+
375.8364
1.778e+003

Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

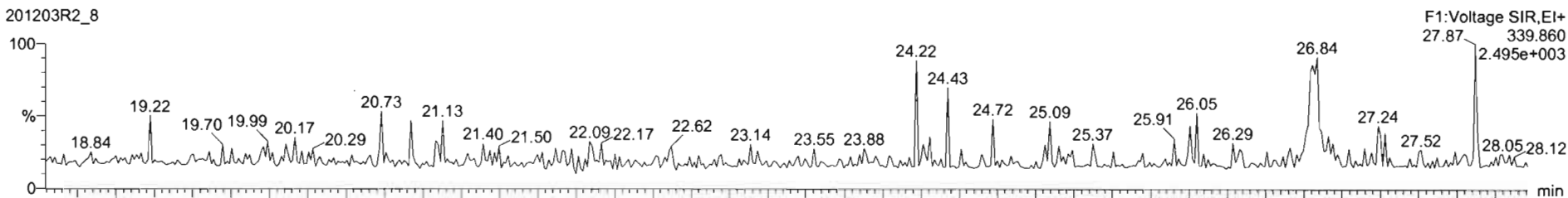
Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time

Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

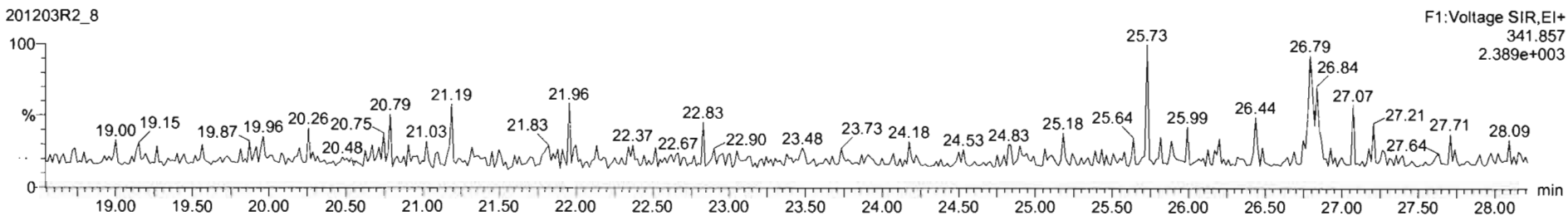
Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

1st Func. Penta-Furans

201203R2_8

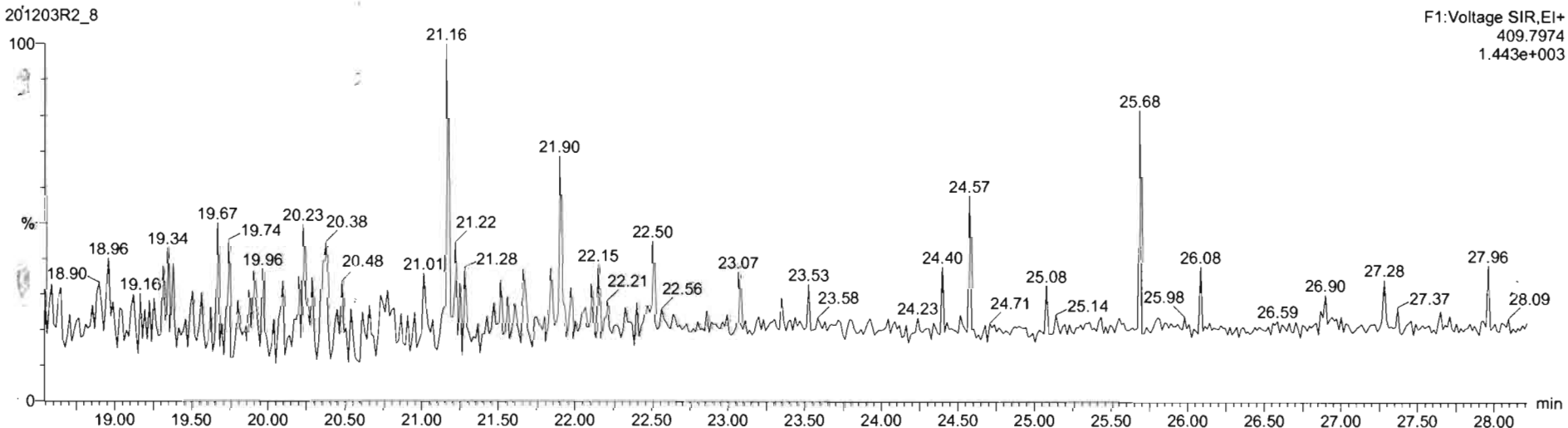


201203R2_8



DPE6

201203R2_8



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

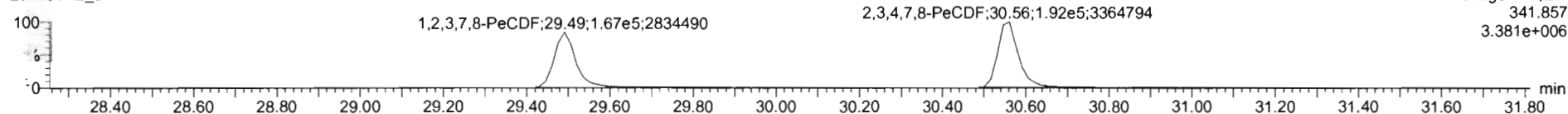
Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

1,2,3,7,8-PeCDF

201203R2_8

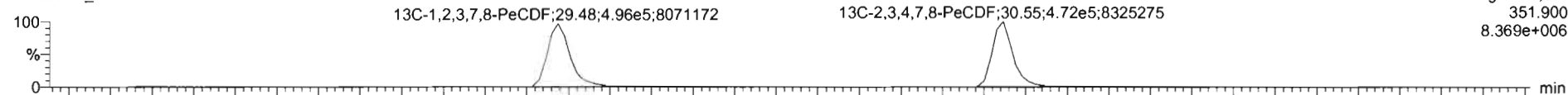


201203R2_8

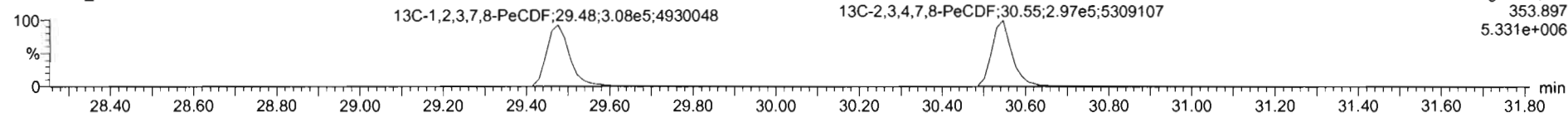


13C-1,2,3,7,8-PeCDF

201203R2_8

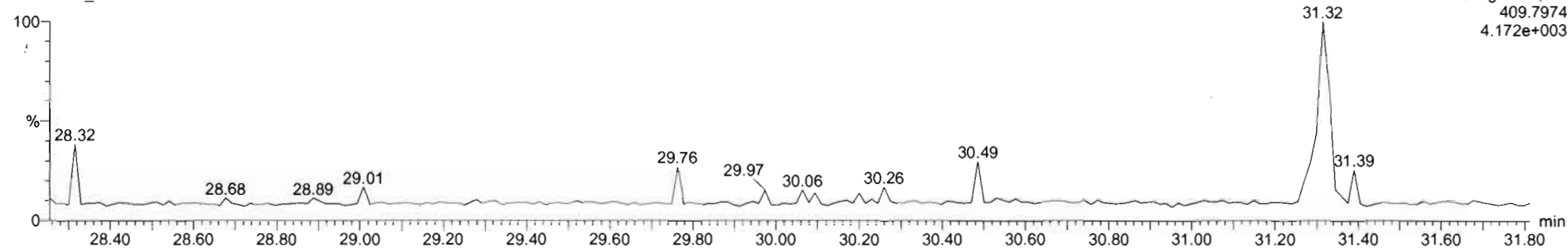


201203R2_8



DPE2

201203R2_8

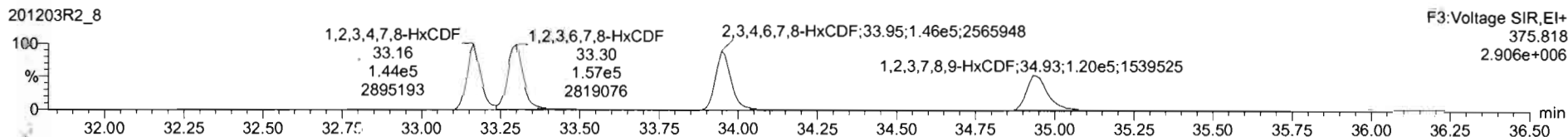
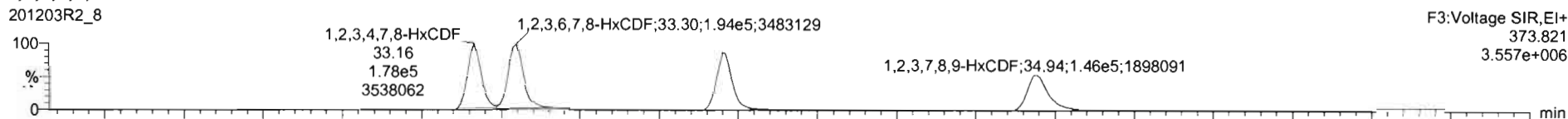


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

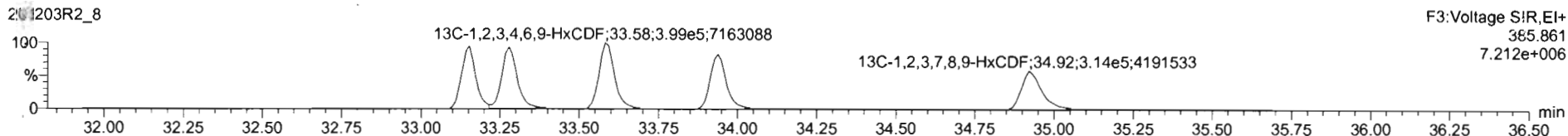
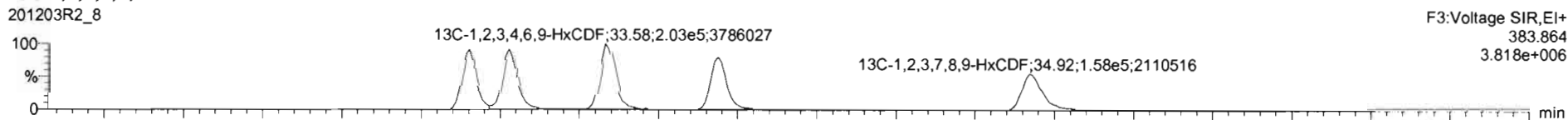
Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

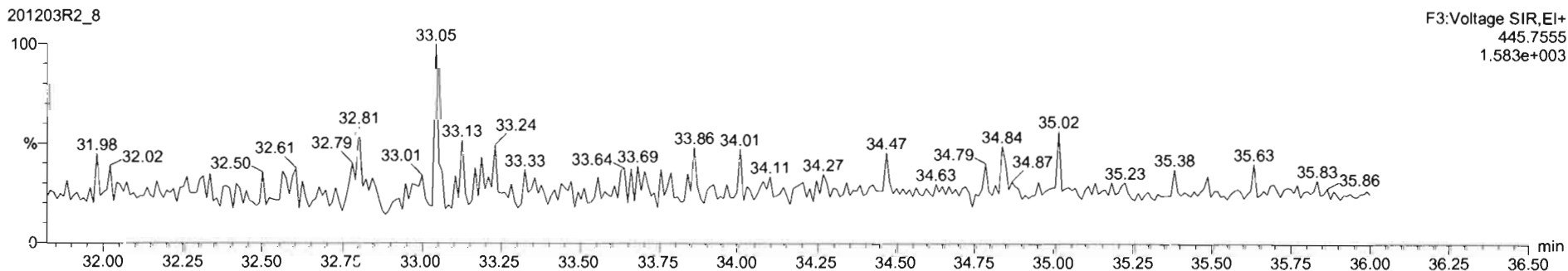
1,2,3,4,7,8-HxCDF



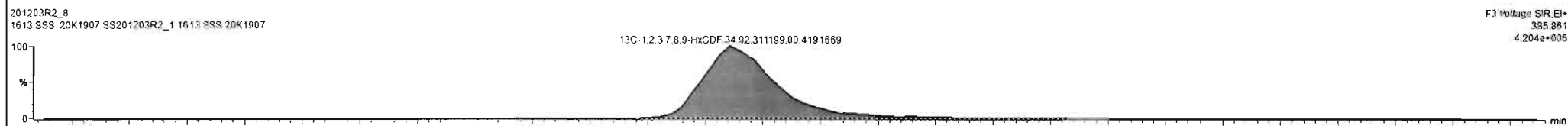
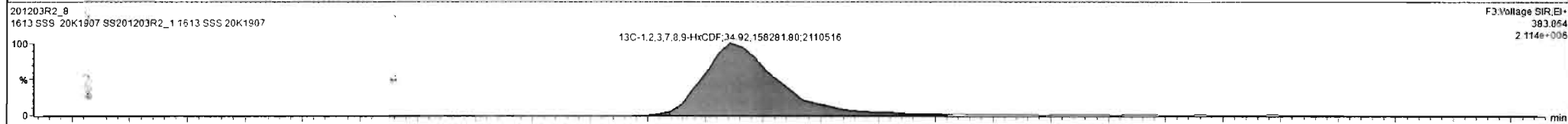
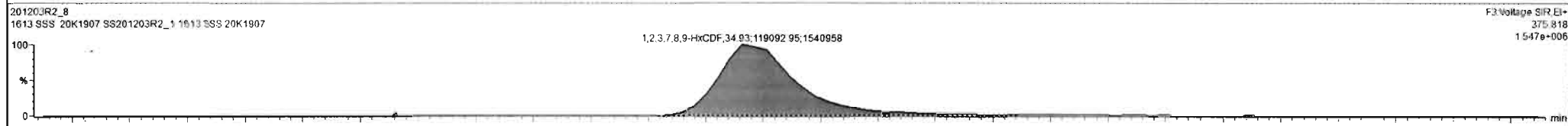
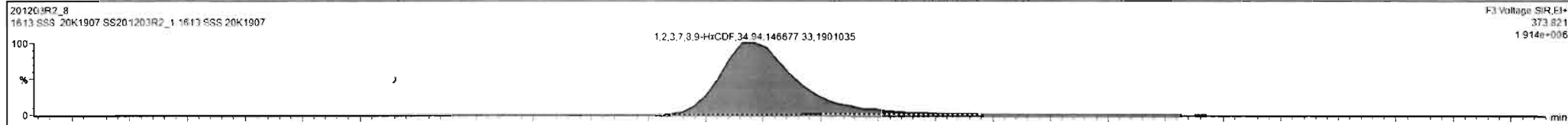
13C-1,2,3,4,7,8-HxCDF



DPE3



Name	Resp	RA	n/y	RRF	wi/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TiDD	8.12e4	0.75	NO	0.9805	1.000	26.01	1.001	11.2	112	0.0338	11.2
2 1,2,3,7,8-HxCDD	2.78e5	0.63	NO	0.9320	1.000	20.75	1.000	57.1	114	0.109	57.1
3 1,2,3,4,7,8-HxCDD	2.27e5	1.26	NO	1.0203	1.000	34.05	1.000	57.5	115	0.126	57.5
4 1,2,3,6,7,8-HxCDD	2.58e5	1.25	NO	0.9025	1.000	34.18	1.001	62.5	125	0.119	62.5
5 1,2,3,7,8,9-HxCDD	2.43e5	1.27	NO	0.9542	1.000	34.45	1.001	58.0	116	0.129	58.0
6 1,2,3,4,6,7,8-HpCDD	1.75e5	1.04	NO	0.9180	1.000	37.91	1.000	54.9	110	0.206	54.9
7 OCDD	3.13e5	0.90	NO	0.8658	1.000	40.81	1.000	124	124	0.226	124
8 2,3,7,8-TCDF	1.01e5	0.74	NO	0.8480	1.000	25.70	1.001	10.9	109	0.0323	10.9
9 1,2,3,7,8-PeCDF	4.31e5	1.59	NO	0.9597	1.000	29.49	1.001	55.9	112	0.145	55.9
10 2,3,4,7,8-PeCDF	5.03e5	1.62	NO	1.0671	1.000	30.56	1.000	61.3	123	0.126	61.3
11 1,2,3,4,7,8-HxCDF	3.21e5	1.24	NO	0.9859	1.000	33.16	1.000	61.6	123	0.127	61.6
12 1,2,3,6,7,8-HxCDF	3.50e5	1.24	NO	1.0388	1.000	33.30	1.001	59.0	116	0.121	59.0
13 2,3,4,6,7,8-HxCDF	3.27e5	1.24	NO	1.0202	1.000	33.95	1.000	61.3	123	0.143	61.3
14 1,2,3,7,8,9-HxCDF	2.66e5	1.23	NO	0.9909	1.000	34.94	1.001	57.1	114	0.209	57.1

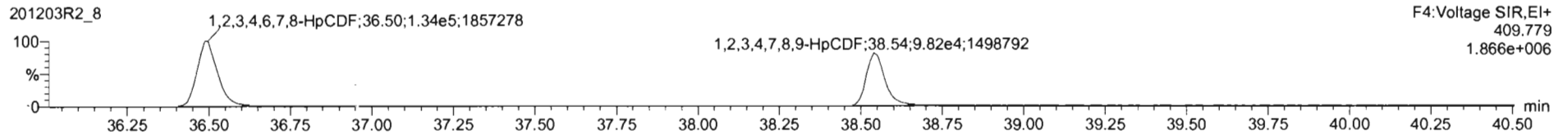
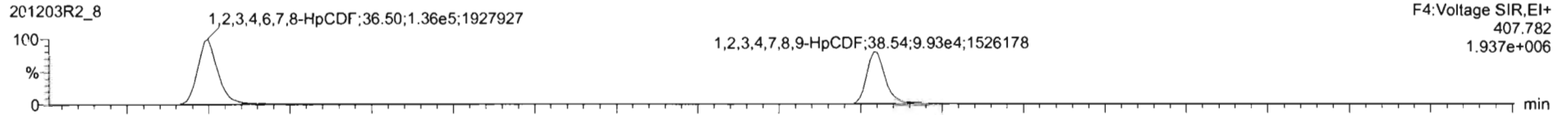


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

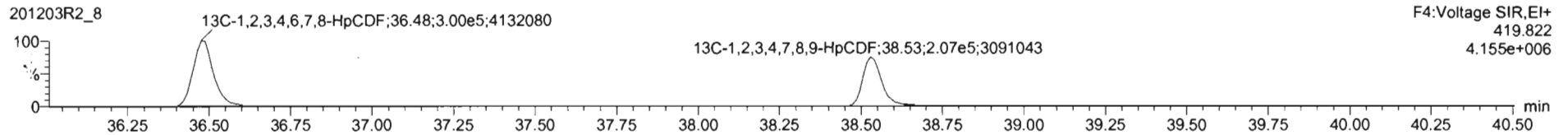
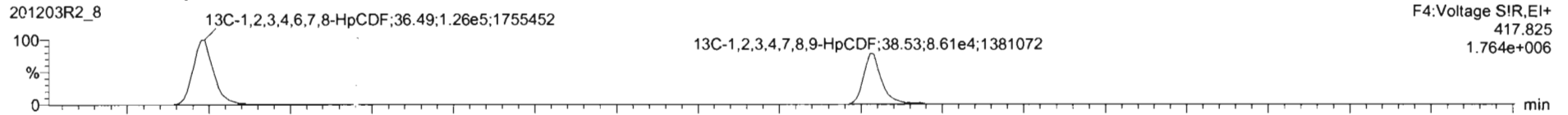
Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

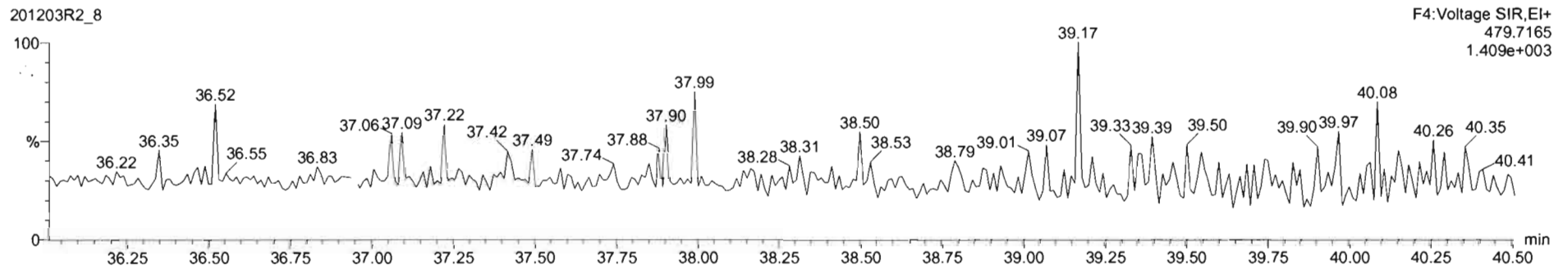
1,2,3,4,6,7,8-HpCDF



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



DPE4

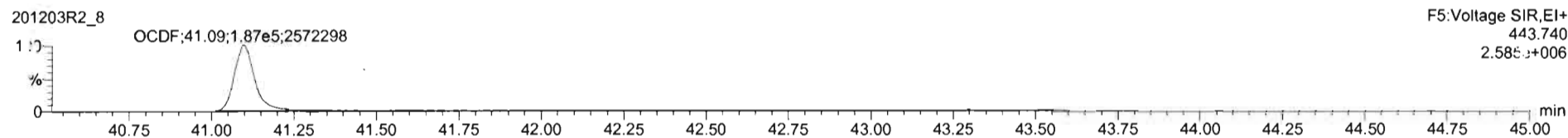
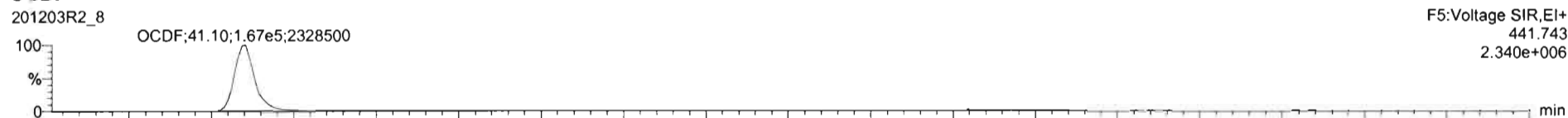


Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

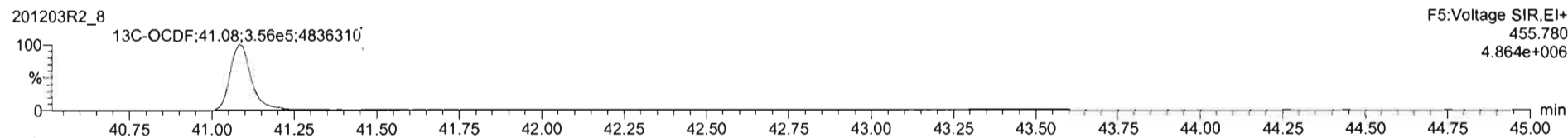
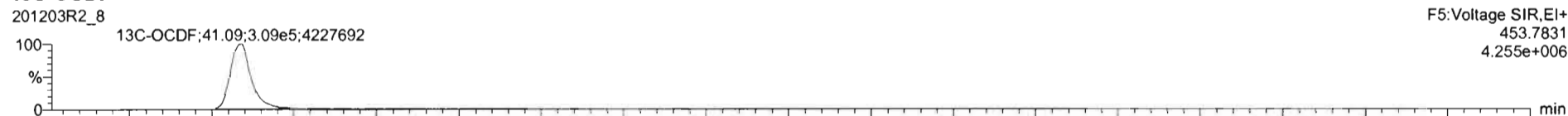
Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

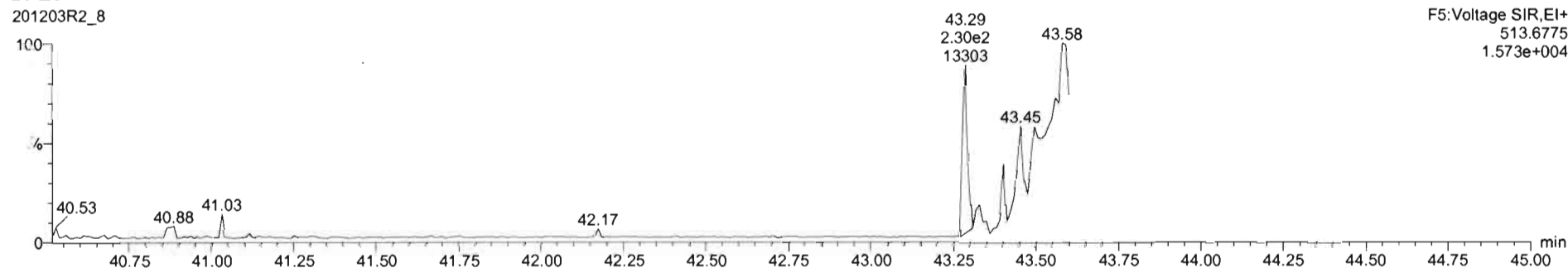
OCDF



13C-OCDF



DPE5



Dataset: U:\VG12.PRO\Results\201203R2\201203R2_8.qld

Last Altered: Friday, December 04, 2020 11:47:08 Pacific Standard Time
Printed: Friday, December 04, 2020 11:48:25 Pacific Standard Time

Name: 201203R2_8, Date: 03-Dec-2020, Time: 16:09:07, ID: SS201203R2_1 1613 SSS 20K1907, Description: 1613 SSS 20K1907

