



July 08, 2020

Vista Work Order No. 2000996

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

Dear Ms. Peterson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 01, 2020 under your Project Name 'Gasco PDI'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 2000996

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 1613B

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

Holding Times

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

Quality Control

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

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with each preparation batch. No analytes were detected above 1/2 the quantitation limits in the Method Blanks. The OPR recoveries were within the method acceptance criteria.

As requested, a duplicate was performed on sample "PDI-054SC-A-10-11.1-200428". The RPDs were within acceptance criteria.

The labeled standard recoveries outside the method acceptance criteria are flagged with an "H" qualifier.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2000996-01	PDI-054SC-A-09-10-200428	28-Apr-20 08:56	01-May-20 09:04	Amber Glass, 120 mL
2000996-02	PDI-054SC-A-10-11.1-200428	DUP28-Apr-20 08:56	01-May-20 09:04	Amber Glass, 120 mL Amber Glass, 120 mL
2000996-03	PDI-1054SC-A-09-10-200428	28-Apr-20 08:56	01-May-20 09:04	Amber Glass, 120 mL
2000996-04	PDI-054SC-B-00-02-200428	28-Apr-20 08:30	01-May-20 09:04	Amber Glass, 120 mL
2000996-05	PDI-054SC-B-02-05-200428	28-Apr-20 08:30	01-May-20 09:04	Amber Glass, 120 mL
2000996-06	PDI-054SC-B-05-07-200428	28-Apr-20 08:30	01-May-20 09:04	Amber Glass, 120 mL
2000996-07	PDI-060SC-A-03-04-200428	28-Apr-20 10:44	01-May-20 09:04	Amber Glass, 120 mL
2000996-08	PDI-060SC-A-04-05-200428	28-Apr-20 10:44	01-May-20 09:04	Amber Glass, 120 mL
2000996-09	PDI-060SC-A-05-06-200428	28-Apr-20 10:44	01-May-20 09:04	Amber Glass, 120 mL
2000996-10	PDI-060SC-A-06-07-200428	28-Apr-20 10:44	01-May-20 09:04	Amber Glass, 120 mL
2000996-11	PDI-060SC-A-07-08-200428	28-Apr-20 10:44	01-May-20 09:04	Amber Glass, 120 mL
2000996-12	PDI-060SC-A-08-09-200428	28-Apr-20 10:44	01-May-20 09:04	Amber Glass, 120 mL
2000996-13	PDI-060SC-A-09-10-200428	28-Apr-20 10:44	01-May-20 09:04	Amber Glass, 120 mL
2000996-14	PDI-060SC-B-00-02-200428	28-Apr-20 10:15	01-May-20 09:04	Amber Glass, 120 mL
2000996-15	PDI-060SC-B-02-04-200428	28-Apr-20 10:15	01-May-20 09:04	Amber Glass, 120 mL
2000996-16	PDI-060SC-B-04-06-200428	28-Apr-20 10:15	01-May-20 09:04	Amber Glass, 120 mL
2000996-17	PDI-060SC-B-06-08-200428	28-Apr-20 10:15	01-May-20 09:04	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49		Lab Sample: B0E0066-BLK1 Date Analyzed: 18-May-20 12:17 Column: ZB-5MS					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.0517			IS 13C-2,3,7,8-TCDD	70.9	25 - 164		
1,2,3,7,8-PeCDD	ND	0.0464			13C-1,2,3,7,8-PeCDD	83.0	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.0511			13C-1,2,3,4,7,8-HxCDD	71.9	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.0514			13C-1,2,3,6,7,8-HxCDD	72.7	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.0579			13C-1,2,3,7,8,9-HxCDD	73.2	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.0797			13C-1,2,3,4,6,7,8-HpCDD	73.1	23 - 140		
OCDD	0.221			J	13C-OCDD	65.8	17 - 157		
2,3,7,8-TCDF	ND	0.0552			13C-2,3,7,8-TCDF	68.9	24 - 169		
1,2,3,7,8-PeCDF	ND	0.0418			13C-1,2,3,7,8-PeCDF	81.5	24 - 185		
2,3,4,7,8-PeCDF	ND	0.0411			13C-2,3,4,7,8-PeCDF	82.2	21 - 178		
1,2,3,4,7,8-HxCDF	0.0567			J	13C-1,2,3,4,7,8-HxCDF	72.3	26 - 152		
1,2,3,6,7,8-HxCDF	0.0563			J	13C-1,2,3,6,7,8-HxCDF	74.3	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.0430			13C-2,3,4,6,7,8-HxCDF	72.5	28 - 136		
1,2,3,7,8,9-HxCDF	0.0556			J	13C-1,2,3,7,8,9-HxCDF	70.7	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.0488			13C-1,2,3,4,6,7,8-HpCDF	72.7	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.0557			13C-1,2,3,4,7,8,9-HpCDF	80.5	26 - 138		
OCDF	ND	0.0827			13C-OCDF	73.2	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	73.1	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.0169		
TOTALS									
Total TCDD	ND	0.0517							
Total PeCDD	ND	0.0464							
Total HxCDD	ND	0.0579							
Total HpCDD	ND	0.0797							
Total TCDF	ND	0.0552							
Total PeCDF	0.0448								
Total HxCDF	0.169		0.233						
Total HpCDF	ND	0.0557							

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: B0E0066	Lab Sample: B0E0066-BS1					
Sample Size: 10.0 g	Date Extracted: 08-May-2020 12:49	Date Analyzed: 18-May-20 09:56	Column: ZB-5MS				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	16.9	20.0	84.7	67 - 158	IS 13C-2,3,7,8-TCDD	58.4	20 - 175
1,2,3,7,8-PeCDD	88.8	100	88.8	70 - 142	13C-1,2,3,7,8-PeCDD	69.0	21 - 227
1,2,3,4,7,8-HxCDD	98.4	100	98.4	70 - 164	13C-1,2,3,4,7,8-HxCDD	59.7	21 - 193
1,2,3,6,7,8-HxCDD	93.7	100	93.7	76 - 134	13C-1,2,3,6,7,8-HxCDD	64.1	25 - 163
1,2,3,7,8,9-HxCDD	92.3	100	92.3	64 - 162	13C-1,2,3,7,8,9-HxCDD	63.1	21 - 193
1,2,3,4,6,7,8-HpCDD	96.6	100	96.6	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	61.2	26 - 166
OCDD	193	200	96.6	78 - 144	13C-OCDD	56.7	13 - 199
2,3,7,8-TCDF	18.6	20.0	93.1	75 - 158	13C-2,3,7,8-TCDF	55.7	22 - 152
1,2,3,7,8-PeCDF	94.8	100	94.8	80 - 134	13C-1,2,3,7,8-PeCDF	67.2	21 - 192
2,3,4,7,8-PeCDF	93.4	100	93.4	68 - 160	13C-2,3,4,7,8-PeCDF	68.1	13 - 328
1,2,3,4,7,8-HxCDF	106	100	106	72 - 134	13C-1,2,3,4,7,8-HxCDF	60.8	19 - 202
1,2,3,6,7,8-HxCDF	109	100	109	84 - 130	13C-1,2,3,6,7,8-HxCDF	63.4	21 - 159
2,3,4,6,7,8-HxCDF	107	100	107	70 - 156	13C-2,3,4,6,7,8-HxCDF	63.0	22 - 176
1,2,3,7,8,9-HxCDF	101	100	101	78 - 130	13C-1,2,3,7,8,9-HxCDF	62.2	17 - 205
1,2,3,4,6,7,8-HpCDF	106	100	106	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	60.5	21 - 158
1,2,3,4,7,8,9-HpCDF	101	100	101	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	66.7	20 - 186
OCDF	209	200	105	63 - 170	13C-OCDF	59.2	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	58.6	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 1.00 g		QC Batch: B0F0043 Date Extracted: 06-Jun-2020 10:40		Lab Sample: B0F0043-BLK1 Date Analyzed: 16-Jun-20 18:53 Column: ZB-5MS					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	1.07			IS 13C-2,3,7,8-TCDD	89.6	25 - 164		
1,2,3,7,8-PeCDD	ND	1.71			13C-1,2,3,7,8-PeCDD	98.8	25 - 181		
1,2,3,4,7,8-HxCDD	ND	1.87			13C-1,2,3,4,7,8-HxCDD	90.2	32 - 141		
1,2,3,6,7,8-HxCDD	ND	1.89			13C-1,2,3,6,7,8-HxCDD	92.0	28 - 130		
1,2,3,7,8,9-HxCDD	ND	2.01			13C-1,2,3,7,8,9-HxCDD	90.7	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	1.67			13C-1,2,3,4,6,7,8-HpCDD	86.3	23 - 140		
OCDD	ND	3.20			13C-OCDD	75.7	17 - 157		
2,3,7,8-TCDF	ND	0.976			13C-2,3,7,8-TCDF	88.5	24 - 169		
1,2,3,7,8-PeCDF	ND	0.776			13C-1,2,3,7,8-PeCDF	105	24 - 185		
2,3,4,7,8-PeCDF	ND	0.706			13C-2,3,4,7,8-PeCDF	108	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.657			13C-1,2,3,4,7,8-HxCDF	85.8	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.597			13C-1,2,3,6,7,8-HxCDF	85.9	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.626			13C-2,3,4,6,7,8-HxCDF	88.3	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.884			13C-1,2,3,7,8,9-HxCDF	90.1	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.821			13C-1,2,3,4,6,7,8-HpCDF	88.8	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.880			13C-1,2,3,4,7,8,9-HpCDF	88.4	26 - 138		
OCDF	ND	1.47			13C-OCDF	72.7	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	92.8	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.00		
TOTALS									
Total TCDD	ND	1.07							
Total PeCDD	ND	1.71							
Total HxCDD	ND	2.01							
Total HpCDD	ND	1.67							
Total TCDF	ND		2.11						
Total PeCDF	ND	0.776							
Total HxCDF	ND	0.884							
Total HpCDF	ND	0.880							

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: B0F0043	Lab Sample: B0F0043-BS1					
Sample Size: 1.00 g	Date Extracted: 06-Jun-2020 10:40	Date Analyzed: 16-Jun-20 13:37	Column: ZB-5MS				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	182	200	91.0	67 - 158	IS 13C-2,3,7,8-TCDD	93.9	20 - 175
1,2,3,7,8-PeCDD	986	1000	98.6	70 - 142	13C-1,2,3,7,8-PeCDD	96.4	21 - 227
1,2,3,4,7,8-HxCDD	934	1000	93.4	70 - 164	13C-1,2,3,4,7,8-HxCDD	90.9	21 - 193
1,2,3,6,7,8-HxCDD	880	1000	88.0	76 - 134	13C-1,2,3,6,7,8-HxCDD	97.0	25 - 163
1,2,3,7,8,9-HxCDD	883	1000	88.3	64 - 162	13C-1,2,3,7,8,9-HxCDD	90.3	21 - 193
1,2,3,4,6,7,8-HpCDD	971	1000	97.1	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	79.8	26 - 166
OCDD	1850	2000	92.4	78 - 144	13C-OCDD	67.7	13 - 199
2,3,7,8-TCDF	193	200	96.7	75 - 158	13C-2,3,7,8-TCDF	93.8	22 - 152
1,2,3,7,8-PeCDF	917	1000	91.7	80 - 134	13C-1,2,3,7,8-PeCDF	104	21 - 192
2,3,4,7,8-PeCDF	936	1000	93.6	68 - 160	13C-2,3,4,7,8-PeCDF	104	13 - 328
1,2,3,4,7,8-HxCDF	1010	1000	101	72 - 134	13C-1,2,3,4,7,8-HxCDF	92.1	19 - 202
1,2,3,6,7,8-HxCDF	1010	1000	101	84 - 130	13C-1,2,3,6,7,8-HxCDF	96.8	21 - 159
2,3,4,6,7,8-HxCDF	1030	1000	103	70 - 156	13C-2,3,4,6,7,8-HxCDF	92.0	22 - 176
1,2,3,7,8,9-HxCDF	986	1000	98.6	78 - 130	13C-1,2,3,7,8,9-HxCDF	87.4	17 - 205
1,2,3,4,6,7,8-HpCDF	963	1000	96.3	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	91.3	21 - 158
1,2,3,4,7,8,9-HpCDF	952	1000	95.2	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	79.3	20 - 186
OCDF	2130	2000	106	63 - 170	13C-OCDF	69.4	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	101	31 - 191

LCL-UCL - Lower control limit - upper control limit

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

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid	QC Batch: B0F0086	Lab Sample: B0F0086-BS1					
Sample Size: 10.0 g	Date Extracted: 11-Jun-2020 16:31	Date Analyzed: 23-Jun-20 22:55	Column: ZB-5MS				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	21.3	20.0	106	67 - 158	IS 13C-2,3,7,8-TCDD	15.7	20 - 175
1,2,3,7,8-PeCDD	102	100	102	70 - 142	13C-1,2,3,7,8-PeCDD	27.7	21 - 227
1,2,3,4,7,8-HxCDD	92.8	100	92.8	70 - 164	13C-1,2,3,4,7,8-HxCDD	40.2	21 - 193
1,2,3,6,7,8-HxCDD	96.1	100	96.1	76 - 134	13C-1,2,3,6,7,8-HxCDD	47.1	25 - 163
1,2,3,7,8,9-HxCDD	90.9	100	90.9	64 - 162	13C-1,2,3,7,8,9-HxCDD	64.8	21 - 193
1,2,3,4,6,7,8-HpCDD	99.7	100	99.7	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	62.6	26 - 166
OCDD	184	200	92.1	78 - 144	13C-OCDD	62.2	13 - 199
2,3,7,8-TCDF	21.6	20.0	108	75 - 158	13C-2,3,7,8-TCDF	15.4	22 - 152
1,2,3,7,8-PeCDF	93.0	100	93.0	80 - 134	13C-1,2,3,7,8-PeCDF	26.0	21 - 192
2,3,4,7,8-PeCDF	98.7	100	98.7	68 - 160	13C-2,3,4,7,8-PeCDF	23.1	13 - 328
1,2,3,4,7,8-HxCDF	103	100	103	72 - 134	13C-1,2,3,4,7,8-HxCDF	35.9	19 - 202
1,2,3,6,7,8-HxCDF	104	100	104	84 - 130	13C-1,2,3,6,7,8-HxCDF	43.4	21 - 159
2,3,4,6,7,8-HxCDF	99.8	100	99.8	70 - 156	13C-2,3,4,6,7,8-HxCDF	52.1	22 - 176
1,2,3,7,8,9-HxCDF	100	100	100	78 - 130	13C-1,2,3,7,8,9-HxCDF	41.9	17 - 205
1,2,3,4,6,7,8-HpCDF	97.1	100	97.1	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	65.2	21 - 158
1,2,3,4,7,8,9-HpCDF	98.7	100	98.7	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	53.3	20 - 186
OCDF	219	200	109	63 - 170	13C-OCDF	60.1	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	17.5	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-054SC-A-09-10-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-01 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 18.5 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 8:56	% Solids: 54.4	Date Analyzed : 05-Jun-20 15:22 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.210			IS 13C-2,3,7,8-TCDD	61.0	25 - 164	
1,2,3,7,8-PeCDD	ND	0.234			13C-1,2,3,7,8-PeCDD	56.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.243			13C-1,2,3,4,7,8-HxCDD	60.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.259			13C-1,2,3,6,7,8-HxCDD	58.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.305			13C-1,2,3,7,8,9-HxCDD	56.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.65			J	13C-1,2,3,4,6,7,8-HpCDD	46.9	23 - 140	
OCDD	9.79			B	13C-OCDD	40.8	17 - 157	
2,3,7,8-TCDF	ND	0.269			13C-2,3,7,8-TCDF	58.5	24 - 169	
1,2,3,7,8-PeCDF	ND	0.157			13C-1,2,3,7,8-PeCDF	59.0	24 - 185	
2,3,4,7,8-PeCDF	ND	0.138			13C-2,3,4,7,8-PeCDF	60.5	21 - 178	
1,2,3,4,7,8-HxCDF	0.137			J, B	13C-1,2,3,4,7,8-HxCDF	55.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.125			13C-1,2,3,6,7,8-HxCDF	53.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.142			13C-2,3,4,6,7,8-HxCDF	50.9	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.192			13C-1,2,3,7,8,9-HxCDF	54.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.198			13C-1,2,3,4,6,7,8-HpCDF	45.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.192			13C-1,2,3,4,7,8,9-HpCDF	45.7	26 - 138	
OCDF	ND	0.386			13C-OCDF	36.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	63.2	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0331

TOTALS								
Total TCDD	0.378							0.981
Total PeCDD	ND	0.234						
Total HxCDD	1.82							
Total HpCDD	4.19							
Total TCDF	0.741							
Total PeCDF	0.0952							B
Total HxCDF	0.137						0.250	B
Total HpCDF	ND	0.198						

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

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

Sample ID: PDI-054SC-A-10-11.1-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-02 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.8 g	QC Batch: B0F0086 Date Extracted: 11-Jun-2020 16:31
Date Collected: 28-Apr-2020 8:56	% Solids: 59.9	Date Analyzed: 24-Jun-20 01:56 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.464			IS 13C-2,3,7,8-TCDD	74.6	25 - 164	
1,2,3,7,8-PeCDD	ND	0.549			13C-1,2,3,7,8-PeCDD	78.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.554			13C-1,2,3,4,7,8-HxCDD	75.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.510			13C-1,2,3,6,7,8-HxCDD	84.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.677			13C-1,2,3,7,8,9-HxCDD	77.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.51			J	13C-1,2,3,4,6,7,8-HpCDD	71.4	23 - 140	
OCDD	8.96				13C-OCDD	62.6	17 - 157	
2,3,7,8-TCDF	ND	0.474			13C-2,3,7,8-TCDF	72.9	24 - 169	
1,2,3,7,8-PeCDF	ND	0.212			13C-1,2,3,7,8-PeCDF	87.1	24 - 185	
2,3,4,7,8-PeCDF	ND	0.199			13C-2,3,4,7,8-PeCDF	85.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.194			13C-1,2,3,4,7,8-HxCDF	75.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.175			13C-1,2,3,6,7,8-HxCDF	77.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.193			13C-2,3,4,6,7,8-HxCDF	76.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.299			13C-1,2,3,7,8,9-HxCDF	71.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.316			13C-1,2,3,4,6,7,8-HpCDF	73.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.327			13C-1,2,3,4,7,8,9-HpCDF	75.6	26 - 138	
OCDF	ND	0.738			13C-OCDF	63.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	78.0	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0178

TOTALS								
Total TCDD	ND	0.464						
Total PeCDD	ND	0.549						
Total HxCDD	ND		0.911					
Total HpCDD	1.51		3.36					
Total TCDF	1.01		1.27					
Total PeCDF	ND	0.212						
Total HxCDF	ND	0.299						
Total HpCDF	ND	0.327						

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

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

Sample ID: Duplicate					EPA Method 1613B				
Source Client ID: PDI-054SC-A-10-11.1-200428		QC Batch: B0F0086		Lab Sample: B0F0086-DUP1					
Source LabNumber: 2000996-02		Date Extracted: 11-Jun-2020 16:31		Date Analyzed: 24-Jun-20 01:11 Column: ZB-5MS					
Matrix: Solid									
Sample Size: 16.7 g									
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.606			IS 13C-2,3,7,8-TCDD	51.9	25 - 164		
1,2,3,7,8-PeCDD	ND	0.717			13C-1,2,3,7,8-PeCDD	60.8	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.937			13C-1,2,3,4,7,8-HxCDD	55.3	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.979			13C-1,2,3,6,7,8-HxCDD	59.1	28 - 130		
1,2,3,7,8,9-HxCDD	ND	1.07			13C-1,2,3,7,8,9-HxCDD	56.6	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND		1.68		13C-1,2,3,4,6,7,8-HpCDD	50.0	23 - 140		
OCDD	ND		9.04		13C-OCDD	42.8	17 - 157		
2,3,7,8-TCDF	ND	0.700			13C-2,3,7,8-TCDF	45.5	24 - 169		
1,2,3,7,8-PeCDF	ND	0.322			13C-1,2,3,7,8-PeCDF	56.3	24 - 185		
2,3,4,7,8-PeCDF	ND	0.282			13C-2,3,4,7,8-PeCDF	59.4	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.238			13C-1,2,3,4,7,8-HxCDF	53.0	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.249			13C-1,2,3,6,7,8-HxCDF	56.5	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.274			13C-2,3,4,6,7,8-HxCDF	55.4	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.387			13C-1,2,3,7,8,9-HxCDF	51.5	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.464			13C-1,2,3,4,6,7,8-HpCDF	52.5	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.482			13C-1,2,3,4,7,8,9-HpCDF	50.2	26 - 138		
OCDF	ND	0.972			13C-OCDF	42.3	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	51.8	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.00		
TOTALS									
Total TCDD	ND	0.606							
Total PeCDD	ND	0.717							
Total HxCDD	1.30								
Total HpCDD	ND		3.93						
Total TCDF	0.806		1.61						
Total PeCDF	ND	0.322							
Total HxCDF	ND	0.387							
Total HpCDF	ND	0.482							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Duplicate					EPA Method 1613B				
Source Client ID: PDI-054SC-A-10-11.1-200428					Duplicate Lab Sample: B0F0086-DUP1				
Source LabNumber: 2000996-02									
Matrix: Solid									
Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limits	Labeled Standard	Dup %R	Source %R	LCL-UCL	
2,3,7,8-TCDD	ND	ND	NA	25	IS 13C-2,3,7,8-TCDD	51.9	74.6	25 - 164	
1,2,3,7,8-PeCDD	ND	ND	NA	25	13C-1,2,3,7,8-PeCDD	60.8	78.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	ND	NA	25	13C-1,2,3,4,7,8-HxCDD	55.3	75.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	ND	NA	25	13C-1,2,3,6,7,8-HxCDD	59.1	84.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	ND	NA	25	13C-1,2,3,7,8,9-HxCDD	56.6	77.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	1.51	#	25	13C-1,2,3,4,6,7,8-HpCDD	50.0	71.4	23 - 140	
OCDD	ND	8.96	#	25	13C-OCDD	42.8	62.6	17 - 157	
2,3,7,8-TCDF	ND	ND	NA	25	13C-2,3,7,8-TCDF	45.5	72.9	24 - 169	
1,2,3,7,8-PeCDF	ND	ND	NA	25	13C-1,2,3,7,8-PeCDF	56.3	87.1	24 - 185	
2,3,4,7,8-PeCDF	ND	ND	NA	25	13C-2,3,4,7,8-PeCDF	59.4	85.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	ND	NA	25	13C-1,2,3,4,7,8-HxCDF	53.0	75.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	ND	NA	25	13C-1,2,3,6,7,8-HxCDF	56.5	77.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	ND	NA	25	13C-2,3,4,6,7,8-HxCDF	55.4	76.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND	ND	NA	25	13C-1,2,3,7,8,9-HxCDF	51.5	71.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	ND	NA	25	13C-1,2,3,4,6,7,8-HpCDF	52.5	73.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	ND	NA	25	13C-1,2,3,4,7,8,9-HpCDF	50.2	75.6	26 - 138	
OCDF	ND	ND	NA	25	13C-OCDF	42.3	63.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	51.8	78.0	35 - 197	

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

Sample ID: PDI-1054SC-A-09-10-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-03 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 1.80 g	QC Batch: B0F0043 Date Extracted: 06-Jun-2020 10:40
Date Collected: 28-Apr-2020 8:56	% Solids: 55.8	Date Analyzed: 16-Jun-20 20:23 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	1.13			IS 13C-2,3,7,8-TCDD	92.8	25 - 164	
1,2,3,7,8-PeCDD	ND	1.80			13C-1,2,3,7,8-PeCDD	100	25 - 181	
1,2,3,4,7,8-HxCDD	ND	1.65			13C-1,2,3,4,7,8-HxCDD	87.2	32 - 141	
1,2,3,6,7,8-HxCDD	ND	1.70			13C-1,2,3,6,7,8-HxCDD	88.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	1.83			13C-1,2,3,7,8,9-HxCDD	86.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	2.42			13C-1,2,3,4,6,7,8-HpCDD	81.1	23 - 140	
OCDD	17.9			J	13C-OCDD	62.0	17 - 157	
2,3,7,8-TCDF	ND	1.15			13C-2,3,7,8-TCDF	93.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.680			13C-1,2,3,7,8-PeCDF	104	24 - 185	
2,3,4,7,8-PeCDF	ND	0.618			13C-2,3,4,7,8-PeCDF	104	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.733			13C-1,2,3,4,7,8-HxCDF	84.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.748			13C-1,2,3,6,7,8-HxCDF	84.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.837			13C-2,3,4,6,7,8-HxCDF	81.8	28 - 136	
1,2,3,7,8,9-HxCDF	ND	1.03			13C-1,2,3,7,8,9-HxCDF	87.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	1.24			13C-1,2,3,4,6,7,8-HpCDF	83.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	1.23			13C-1,2,3,4,7,8,9-HpCDF	81.6	26 - 138	
OCDF	ND	2.47			13C-OCDF	62.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	95.9	35 - 197	

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

TEQMinWHO2005Dioxin 0.00537

TOTALS			
Total TCDD	ND	1.13	
Total PeCDD	ND	1.80	
Total HxCDD	ND	1.83	
Total HpCDD	ND	2.42	
Total TCDF	ND		1.40
Total PeCDF	ND	0.680	
Total HxCDF	ND	1.03	
Total HpCDF	ND	1.24	

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

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

Sample ID: PDI-054SC-B-00-02-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-04 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 21.0 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 8:30	% Solids: 47.7	Date Analyzed : 05-Jun-20 18:22 Column: ZB-5MS 15-Jun-20 18:45 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.53				IS 13C-2,3,7,8-TCDD	20.0	25 - 164	H
1,2,3,7,8-PeCDD	3.43				13C-1,2,3,7,8-PeCDD	23.9	25 - 181	H
1,2,3,4,7,8-HxCDD	4.93				13C-1,2,3,4,7,8-HxCDD	28.6	32 - 141	H
1,2,3,6,7,8-HxCDD	45.6				13C-1,2,3,6,7,8-HxCDD	26.2	28 - 130	H
1,2,3,7,8,9-HxCDD	12.8				13C-1,2,3,7,8,9-HxCDD	24.6	32 - 141	H
1,2,3,4,6,7,8-HpCDD	3600			D	13C-1,2,3,4,6,7,8-HpCDD	23.1	23 - 140	
OCDD	33900			D, B	13C-OCDD	17.5	17 - 157	D
2,3,7,8-TCDF	54.0				13C-2,3,7,8-TCDF	17.7	24 - 169	H
1,2,3,7,8-PeCDF	64.2				13C-1,2,3,7,8-PeCDF	22.2	24 - 185	H
2,3,4,7,8-PeCDF	27.5				13C-2,3,4,7,8-PeCDF	23.6	21 - 178	
1,2,3,4,7,8-HxCDF	123			B	13C-1,2,3,4,7,8-HxCDF	24.9	26 - 152	H
1,2,3,6,7,8-HxCDF	31.6			B	13C-1,2,3,6,7,8-HxCDF	23.6	26 - 123	H
2,3,4,6,7,8-HxCDF	14.4				13C-2,3,4,6,7,8-HxCDF	22.0	28 - 136	H
1,2,3,7,8,9-HxCDF	5.44			B	13C-1,2,3,7,8,9-HxCDF	23.0	29 - 147	H
1,2,3,4,6,7,8-HpCDF	283				13C-1,2,3,4,6,7,8-HpCDF	20.8	28 - 143	H
1,2,3,4,7,8,9-HpCDF	28.9				13C-1,2,3,4,7,8,9-HpCDF	20.4	26 - 138	H
OCDF	1240				13C-OCDF	15.7	17 - 157	H
					CRS 37Cl-2,3,7,8-TCDD	21.6	35 - 197	H

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

TEQMinWHO2005Dioxin 94.0

TOTALS								
Total TCDD	18.7		28.9					
Total PeCDD	49.3		54.3					
Total HxCDD	705							
Total HpCDD	10100							
Total TCDF	253		260					
Total PeCDF	258		262	B				
Total HxCDF	422		425	B				
Total HpCDF	1160							

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

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

Sample ID: PDI-054SC-B-02-05-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-05 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 19.9 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 8:30	% Solids: 50.4	Date Analyzed : 05-Jun-20 19:07 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.350			IS 13C-2,3,7,8-TCDD	31.4	25 - 164	
1,2,3,7,8-PeCDD	ND		0.461		13C-1,2,3,7,8-PeCDD	26.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.473			13C-1,2,3,4,7,8-HxCDD	29.7	32 - 141	H
1,2,3,6,7,8-HxCDD	ND		0.384		13C-1,2,3,6,7,8-HxCDD	26.7	28 - 130	H
1,2,3,7,8,9-HxCDD	ND		0.407		13C-1,2,3,7,8,9-HxCDD	25.6	32 - 141	H
1,2,3,4,6,7,8-HpCDD	6.78				13C-1,2,3,4,6,7,8-HpCDD	21.7	23 - 140	H
OCDD	60.3			B	13C-OCDD	12.6	17 - 157	H
2,3,7,8-TCDF	ND		0.653		13C-2,3,7,8-TCDF	28.7	24 - 169	
1,2,3,7,8-PeCDF	ND		0.301		13C-1,2,3,7,8-PeCDF	26.1	24 - 185	
2,3,4,7,8-PeCDF	0.765			J	13C-2,3,4,7,8-PeCDF	25.8	21 - 178	
1,2,3,4,7,8-HxCDF	0.892			J, B	13C-1,2,3,4,7,8-HxCDF	27.5	26 - 152	
1,2,3,6,7,8-HxCDF	0.463			J, B	13C-1,2,3,6,7,8-HxCDF	25.5	26 - 123	H
2,3,4,6,7,8-HxCDF	0.819			J	13C-2,3,4,6,7,8-HxCDF	22.3	28 - 136	H
1,2,3,7,8,9-HxCDF	ND	0.637			13C-1,2,3,7,8,9-HxCDF	24.3	29 - 147	H
1,2,3,4,6,7,8-HpCDF	ND		2.52		13C-1,2,3,4,6,7,8-HpCDF	21.3	28 - 143	H
1,2,3,4,7,8,9-HpCDF	ND	0.586			13C-1,2,3,4,7,8,9-HpCDF	18.8	26 - 138	H
OCDF	3.29			J	13C-OCDF	12.1	17 - 157	H
					CRS 37Cl-2,3,7,8-TCDD	30.2	35 - 197	H

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

TEQMinWHO2005Dioxin 0.534

TOTALS								
Total TCDD	0.988		3.72					
Total PeCDD	1.99		5.65					
Total HxCDD	2.69		5.64					
Total HpCDD	17.0							
Total TCDF	11.0		17.7					
Total PeCDF	11.1		15.8	B				
Total HxCDF	8.43		8.89	B				
Total HpCDF	2.92		5.45					

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

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

Sample ID: PDI-054SC-B-05-07-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-06 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 18.8 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 8:30	% Solids: 53.2	Date Analyzed : 05-Jun-20 19:52 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.102			IS 13C-2,3,7,8-TCDD	20.4	25 - 164	H
1,2,3,7,8-PeCDD	ND	0.522			13C-1,2,3,7,8-PeCDD	21.8	25 - 181	H
1,2,3,4,7,8-HxCDD	ND	0.548			13C-1,2,3,4,7,8-HxCDD	26.6	32 - 141	H
1,2,3,6,7,8-HxCDD	ND	0.552			13C-1,2,3,6,7,8-HxCDD	25.3	28 - 130	H
1,2,3,7,8,9-HxCDD	ND	0.572			13C-1,2,3,7,8,9-HxCDD	28.2	32 - 141	H
1,2,3,4,6,7,8-HpCDD	2.76				13C-1,2,3,4,6,7,8-HpCDD	24.1	23 - 140	
OCDD	17.7			B	13C-OCDD	20.4	17 - 157	
2,3,7,8-TCDF	ND	0.112			13C-2,3,7,8-TCDF	18.1	24 - 169	H
1,2,3,7,8-PeCDF	ND	0.380			13C-1,2,3,7,8-PeCDF	20.0	24 - 185	H
2,3,4,7,8-PeCDF	ND	0.376			13C-2,3,4,7,8-PeCDF	17.4	21 - 178	H
1,2,3,4,7,8-HxCDF	ND	0.415			13C-1,2,3,4,7,8-HxCDF	24.6	26 - 152	H
1,2,3,6,7,8-HxCDF	ND	0.398			13C-1,2,3,6,7,8-HxCDF	24.2	26 - 123	H
2,3,4,6,7,8-HxCDF	ND	0.433			13C-2,3,4,6,7,8-HxCDF	24.2	28 - 136	H
1,2,3,7,8,9-HxCDF	ND	0.671			13C-1,2,3,7,8,9-HxCDF	23.0	29 - 147	H
1,2,3,4,6,7,8-HpCDF	ND		0.201		13C-1,2,3,4,6,7,8-HpCDF	23.9	28 - 143	H
1,2,3,4,7,8,9-HpCDF	ND	0.517			13C-1,2,3,4,7,8,9-HpCDF	21.1	26 - 138	H
OCDF	ND	0.856			13C-OCDF	17.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	20.0	35 - 197	H

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

TEQMinWHO2005Dioxin 0.0329

TOTALS								
Total TCDD	ND	0.102						
Total PeCDD	ND	0.522						
Total HxCDD	1.43		3.00					
Total HpCDD	6.64							
Total TCDF	ND	0.112						
Total PeCDF	ND	0.380						
Total HxCDF	0.344			B				
Total HpCDF	ND		0.201					

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

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

Sample ID: PDI-060SC-A-03-04-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-07 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.6 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:44	% Solids: 60.2	Date Analyzed : 05-Jun-20 20:38 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.241			IS 13C-2,3,7,8-TCDD	49.7	25 - 164	
1,2,3,7,8-PeCDD	ND	0.287			13C-1,2,3,7,8-PeCDD	52.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.419			13C-1,2,3,4,7,8-HxCDD	63.2	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.415			13C-1,2,3,6,7,8-HxCDD	58.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.454			13C-1,2,3,7,8,9-HxCDD	64.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.67			J	13C-1,2,3,4,6,7,8-HpCDD	57.4	23 - 140	
OCDD	13.3			B	13C-OCDD	53.6	17 - 157	
2,3,7,8-TCDF	ND	0.270			13C-2,3,7,8-TCDF	46.1	24 - 169	
1,2,3,7,8-PeCDF	ND	0.174			13C-1,2,3,7,8-PeCDF	51.5	24 - 185	
2,3,4,7,8-PeCDF	ND	0.207			13C-2,3,4,7,8-PeCDF	48.3	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.218			13C-1,2,3,4,7,8-HxCDF	60.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.214			13C-1,2,3,6,7,8-HxCDF	58.1	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.213			13C-2,3,4,6,7,8-HxCDF	62.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.333			13C-1,2,3,7,8,9-HxCDF	61.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.184			J	13C-1,2,3,4,6,7,8-HpCDF	59.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.205			13C-1,2,3,4,7,8,9-HpCDF	58.2	26 - 138	
OCDF	ND	0.265			13C-OCDF	53.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	48.6	35 - 197	

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

TEQMinWHO2005Dioxin 0.0225

TOTALS			
Total TCDD	ND		0.506
Total PeCDD	ND	0.287	
Total HxCDD	1.63		
Total HpCDD	4.33		
Total TCDF	ND		0.595
Total PeCDF	ND	0.207	
Total HxCDF	ND	0.333	
Total HpCDF	0.184		

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

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

Sample ID: PDI-060SC-A-04-05-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-08 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.1 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:44	% Solids: 62.1	Date Analyzed : 05-Jun-20 21:23 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.180			IS 13C-2,3,7,8-TCDD	59.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.188			13C-1,2,3,7,8-PeCDD	63.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.181			13C-1,2,3,4,7,8-HxCDD	73.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.188			13C-1,2,3,6,7,8-HxCDD	71.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.176			13C-1,2,3,7,8,9-HxCDD	83.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.619			J	13C-1,2,3,4,6,7,8-HpCDD	86.7	23 - 140	
OCDD	4.57			J, B	13C-OCDD	80.5	17 - 157	
2,3,7,8-TCDF	ND		0.136		13C-2,3,7,8-TCDF	51.4	24 - 169	
1,2,3,7,8-PeCDF	ND	0.104			13C-1,2,3,7,8-PeCDF	59.1	24 - 185	
2,3,4,7,8-PeCDF	ND	0.102			13C-2,3,4,7,8-PeCDF	58.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.340			13C-1,2,3,4,7,8-HxCDF	75.7	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.347			13C-1,2,3,6,7,8-HxCDF	71.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.351			13C-2,3,4,6,7,8-HxCDF	77.7	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.495			13C-1,2,3,7,8,9-HxCDF	80.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0888			13C-1,2,3,4,6,7,8-HpCDF	84.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0789			13C-1,2,3,4,7,8,9-HpCDF	86.0	26 - 138	
OCDF	ND	0.168			13C-OCDF	79.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	60.3	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00756

TOTALS								
Total TCDD	ND		0.254					
Total PeCDD	ND	0.188						
Total HxCDD	0.889							
Total HpCDD	1.57							
Total TCDF	0.688		0.991					
Total PeCDF	ND	0.104						
Total HxCDF	ND	0.495						
Total HpCDF	ND	0.0888						

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

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

Sample ID: PDI-060SC-A-05-06-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-09 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 17.1 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:44	% Solids: 59.0	Date Analyzed : 05-Jun-20 22:08 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.362			IS 13C-2,3,7,8-TCDD	26.7	25 - 164	
1,2,3,7,8-PeCDD	ND	0.317			13C-1,2,3,7,8-PeCDD	34.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.283			13C-1,2,3,4,7,8-HxCDD	51.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.270			13C-1,2,3,6,7,8-HxCDD	50.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.227			13C-1,2,3,7,8,9-HxCDD	69.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.28			J	13C-1,2,3,4,6,7,8-HpCDD	67.6	23 - 140	
OCDD	7.94			B	13C-OCDD	70.8	17 - 157	
2,3,7,8-TCDF	0.425			J	13C-2,3,7,8-TCDF	22.8	24 - 169	H
1,2,3,7,8-PeCDF	ND	0.238			13C-1,2,3,7,8-PeCDF	31.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.224			13C-2,3,4,7,8-PeCDF	30.1	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.804			13C-1,2,3,4,7,8-HxCDF	46.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.765			13C-1,2,3,6,7,8-HxCDF	46.8	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.706			13C-2,3,4,6,7,8-HxCDF	56.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND	1.08			13C-1,2,3,7,8,9-HxCDF	55.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		0.170		13C-1,2,3,4,6,7,8-HpCDF	63.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.142			13C-1,2,3,4,7,8,9-HpCDF	62.7	26 - 138	
OCDF	ND	0.201			13C-OCDF	68.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	26.4	35 - 197	H

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0577

TOTALS								
Total TCDD	ND	0.362						
Total PeCDD	ND	0.317						
Total HxCDD	1.78							
Total HpCDD	3.45							
Total TCDF	1.46		1.85					
Total PeCDF	ND	0.238						
Total HxCDF	ND	1.08						
Total HpCDF	ND		0.170					

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

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

Sample ID: PDI-060SC-A-06-07-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-10 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.3 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:44	% Solids: 61.5	Date Analyzed : 05-Jun-20 22:53 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.117			IS 13C-2,3,7,8-TCDD	86.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.108			13C-1,2,3,7,8-PeCDD	86.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.150			13C-1,2,3,4,7,8-HxCDD	97.0	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.158			13C-1,2,3,6,7,8-HxCDD	92.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.172			13C-1,2,3,7,8,9-HxCDD	93.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.127			13C-1,2,3,4,6,7,8-HpCDD	89.7	23 - 140	
OCDD	0.739			J, B	13C-OCDD	88.7	17 - 157	
2,3,7,8-TCDF	ND	0.0818			13C-2,3,7,8-TCDF	80.3	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0605			13C-1,2,3,7,8-PeCDF	90.5	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0591			13C-2,3,4,7,8-PeCDF	93.3	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.104			13C-1,2,3,4,7,8-HxCDF	95.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.106			13C-1,2,3,6,7,8-HxCDF	91.0	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.104			13C-2,3,4,6,7,8-HxCDF	94.1	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.160			13C-1,2,3,7,8,9-HxCDF	88.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0673			13C-1,2,3,4,6,7,8-HpCDF	87.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0654			13C-1,2,3,4,7,8,9-HpCDF	92.0	26 - 138	
OCDF	ND	0.134			13C-OCDF	84.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	85.9	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.000222

TOTALS		
Total TCDD	ND	0.117
Total PeCDD	ND	0.108
Total HxCDD	ND	0.172
Total HpCDD	ND	0.127
Total TCDF	ND	0.0818
Total PeCDF	ND	0.0605
Total HxCDF	ND	0.160
Total HpCDF	ND	0.0673

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

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

Sample ID: PDI-060SC-A-07-08-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-11 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 15.4 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:44	% Solids: 65.2	Date Analyzed: 05-Jun-20 17:37 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.151			IS 13C-2,3,7,8-TCDD	68.5	25 - 164	
1,2,3,7,8-PeCDD	ND	0.222			13C-1,2,3,7,8-PeCDD	77.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.147			13C-1,2,3,4,7,8-HxCDD	92.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.148			13C-1,2,3,6,7,8-HxCDD	88.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.166			13C-1,2,3,7,8,9-HxCDD	93.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.591			J	13C-1,2,3,4,6,7,8-HpCDD	97.7	23 - 140	
OCDD	3.81			J, B	13C-OCDD	82.6	17 - 157	
2,3,7,8-TCDF	ND	0.117			13C-2,3,7,8-TCDF	59.4	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0798			13C-1,2,3,7,8-PeCDF	75.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0777			13C-2,3,4,7,8-PeCDF	75.0	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.173			13C-1,2,3,4,7,8-HxCDF	85.7	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.179			13C-1,2,3,6,7,8-HxCDF	80.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.186			13C-2,3,4,6,7,8-HxCDF	86.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.249			13C-1,2,3,7,8,9-HxCDF	86.6	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0650			13C-1,2,3,4,6,7,8-HpCDF	95.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0747			13C-1,2,3,4,7,8,9-HpCDF	89.3	26 - 138	
OCDF	ND	0.181			13C-OCDF	80.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	73.9	35 - 197	

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

TEQMinWHO2005Dioxin 0.00705

TOTALS			
Total TCDD	ND		0.479
Total PeCDD	ND	0.222	
Total HxCDD	0.389		
Total HpCDD	1.36		
Total TCDF	0.614		
Total PeCDF	ND	0.0798	
Total HxCDF	ND	0.249	
Total HpCDF	ND	0.0747	

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

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

Sample ID: PDI-060SC-A-08-09-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-12 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.8 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:44	% Solids: 59.6	Date Analyzed: 15-Jun-20 18:00 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.256			IS 13C-2,3,7,8-TCDD	86.0	25 - 164	
1,2,3,7,8-PeCDD	ND	0.159			13C-1,2,3,7,8-PeCDD	106	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.316			13C-1,2,3,4,7,8-HxCDD	94.7	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.362			13C-1,2,3,6,7,8-HxCDD	93.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.385			13C-1,2,3,7,8,9-HxCDD	92.1	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		0.634		13C-1,2,3,4,6,7,8-HpCDD	93.7	23 - 140	
OCDD	5.57			B	13C-OCDD	78.2	17 - 157	
2,3,7,8-TCDF	ND	0.188			13C-2,3,7,8-TCDF	86.2	24 - 169	
1,2,3,7,8-PeCDF	ND	0.109			13C-1,2,3,7,8-PeCDF	103	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0958			13C-2,3,4,7,8-PeCDF	106	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0901			13C-1,2,3,4,7,8-HxCDF	97.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0940			13C-1,2,3,6,7,8-HxCDF	96.5	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.100			13C-2,3,4,6,7,8-HxCDF	98.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.151			13C-1,2,3,7,8,9-HxCDF	90.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0935			13C-1,2,3,4,6,7,8-HpCDF	97.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.113			13C-1,2,3,4,7,8,9-HpCDF	88.0	26 - 138	
OCDF	ND	0.162			13C-OCDF	80.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	79.9	35 - 197	

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

TEQMinWHO2005Dioxin 0.00167

TOTALS				
Total TCDD	0.570			
Total PeCDD	ND	0.159		
Total HxCDD	ND		0.518	
Total HpCDD	1.04		1.68	
Total TCDF	0.518			
Total PeCDF	ND	0.109		
Total HxCDF	ND	0.151		
Total HpCDF	ND	0.113		

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

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

Sample ID: PDI-060SC-A-09-10-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-13 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 14.9 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:44	% Solids: 67.4	Date Analyzed : 08-Jun-20 15:15 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.315			IS 13C-2,3,7,8-TCDD	52.4	25 - 164	
1,2,3,7,8-PeCDD	ND	0.269			13C-1,2,3,7,8-PeCDD	59.6	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.352			13C-1,2,3,4,7,8-HxCDD	66.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.360			13C-1,2,3,6,7,8-HxCDD	60.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.410			13C-1,2,3,7,8,9-HxCDD	64.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.489			13C-1,2,3,4,6,7,8-HpCDD	60.7	23 - 140	
OCDD	5.11			B	13C-OCDD	59.5	17 - 157	
2,3,7,8-TCDF	ND	0.333			13C-2,3,7,8-TCDF	48.7	24 - 169	
1,2,3,7,8-PeCDF	ND	0.197			13C-1,2,3,7,8-PeCDF	60.3	24 - 185	
2,3,4,7,8-PeCDF	ND	0.187			13C-2,3,4,7,8-PeCDF	61.8	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.198			13C-1,2,3,4,7,8-HxCDF	59.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.195			13C-1,2,3,6,7,8-HxCDF	56.8	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.206			13C-2,3,4,6,7,8-HxCDF	58.9	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.302			13C-1,2,3,7,8,9-HxCDF	60.1	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.209			13C-1,2,3,4,6,7,8-HpCDF	55.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.249			13C-1,2,3,4,7,8,9-HpCDF	61.7	26 - 138	
OCDF	ND	0.474			13C-OCDF	56.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	50.0	35 - 197	

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

TEQMinWHO2005Dioxin 0.00153

TOTALS			
Total TCDD	ND	0.315	
Total PeCDD	ND	0.269	
Total HxCDD	0.385		
Total HpCDD	0.886		
Total TCDF	ND		0.390
Total PeCDF	ND	0.197	
Total HxCDF	ND	0.302	
Total HpCDF	ND	0.249	

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

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

Sample ID: PDI-060SC-B-00-02-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-14 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 14.9 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:15	% Solids: 67.2	Date Analyzed : 07-Jul-20 14:42 Column: DB-225 08-Jun-20 16:00 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.355			IS 13C-2,3,7,8-TCDD	44.6	25 - 164	
1,2,3,7,8-PeCDD	ND	0.301			13C-1,2,3,7,8-PeCDD	42.5	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.334			13C-1,2,3,4,7,8-HxCDD	44.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND		0.544		13C-1,2,3,6,7,8-HxCDD	41.4	28 - 130	
1,2,3,7,8,9-HxCDD	1.02			J	13C-1,2,3,7,8,9-HxCDD	41.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	27.3				13C-1,2,3,4,6,7,8-HpCDD	34.6	23 - 140	
OCDD	273			B	13C-OCDD	28.0	17 - 157	
2,3,7,8-TCDF	0.510				13C-2,3,7,8-TCDF	37.2	24 - 169	
1,2,3,7,8-PeCDF	0.295			J	13C-1,2,3,7,8-PeCDF	46.5	24 - 185	
2,3,4,7,8-PeCDF	0.225			J	13C-2,3,4,7,8-PeCDF	42.9	21 - 178	
1,2,3,4,7,8-HxCDF	ND		0.432		13C-1,2,3,4,7,8-HxCDF	41.4	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.257			13C-1,2,3,6,7,8-HxCDF	38.3	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.283			13C-2,3,4,6,7,8-HxCDF	37.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.388			13C-1,2,3,7,8,9-HxCDF	39.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	2.53				13C-1,2,3,4,6,7,8-HpCDF	34.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.717			13C-1,2,3,4,7,8,9-HpCDF	33.8	26 - 138	
OCDF	15.4				13C-OCDF	24.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	43.0	35 - 197	

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

TEQMinWHO2005Dioxin 0.614

TOTALS								
Total TCDD	ND	0.355						
Total PeCDD	0.296		0.483					
Total HxCDD	7.14		11.9					
Total HpCDD	71.0							
Total TCDF	2.83		6.49					
Total PeCDF	3.55		4.26	B				
Total HxCDF	1.57		2.80	B				
Total HpCDF	11.8							

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.

Sample ID: PDI-060SC-B-02-04-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-15 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.5 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:15	% Solids: 60.7	Date Analyzed : 08-Jun-20 16:45 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.297			IS 13C-2,3,7,8-TCDD	53.6	25 - 164	
1,2,3,7,8-PeCDD	ND	0.225			13C-1,2,3,7,8-PeCDD	61.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.366			13C-1,2,3,4,7,8-HxCDD	55.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.368			13C-1,2,3,6,7,8-HxCDD	50.6	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.418			13C-1,2,3,7,8,9-HxCDD	50.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.96			J	13C-1,2,3,4,6,7,8-HpCDD	43.7	23 - 140	
OCDD	10.3			B	13C-OCDD	38.5	17 - 157	
2,3,7,8-TCDF	ND		0.215		13C-2,3,7,8-TCDF	51.2	24 - 169	
1,2,3,7,8-PeCDF	ND	0.171			13C-1,2,3,7,8-PeCDF	56.0	24 - 185	
2,3,4,7,8-PeCDF	ND	0.158			13C-2,3,4,7,8-PeCDF	56.4	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.149			13C-1,2,3,4,7,8-HxCDF	52.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.148			13C-1,2,3,6,7,8-HxCDF	49.5	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.170			13C-2,3,4,6,7,8-HxCDF	47.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.225			13C-1,2,3,7,8,9-HxCDF	49.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		0.209		13C-1,2,3,4,6,7,8-HpCDF	48.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.225			13C-1,2,3,4,7,8,9-HpCDF	49.6	26 - 138	
OCDF	ND	0.372			13C-OCDF	36.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	51.9	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0227

TOTALS								
Total TCDD	ND	0.297						
Total PeCDD	0.256		0.465					
Total HxCDD	1.02							
Total HpCDD	4.46							
Total TCDF	ND		1.28					
Total PeCDF	ND	0.171						
Total HxCDF	ND	0.225						
Total HpCDF	ND		0.209					

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

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

Sample ID: PDI-060SC-B-04-06-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-16 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 16.5 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:15	% Solids: 60.8	Date Analyzed : 08-Jun-20 17:31 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.155			IS 13C-2,3,7,8-TCDD	77.4	25 - 164	
1,2,3,7,8-PeCDD	ND	0.227			13C-1,2,3,7,8-PeCDD	80.0	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.240			13C-1,2,3,4,7,8-HxCDD	88.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.224			13C-1,2,3,6,7,8-HxCDD	84.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.254			13C-1,2,3,7,8,9-HxCDD	91.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		0.414		13C-1,2,3,4,6,7,8-HpCDD	82.3	23 - 140	
OCDD	3.60			J, B	13C-OCDD	81.9	17 - 157	
2,3,7,8-TCDF	ND	0.224			13C-2,3,7,8-TCDF	72.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0872			13C-1,2,3,7,8-PeCDF	82.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0904			13C-2,3,4,7,8-PeCDF	82.1	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.107			13C-1,2,3,4,7,8-HxCDF	84.9	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.101			13C-1,2,3,6,7,8-HxCDF	82.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.108			13C-2,3,4,6,7,8-HxCDF	82.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.160			13C-1,2,3,7,8,9-HxCDF	84.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0770			13C-1,2,3,4,6,7,8-HpCDF	83.1	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0707			13C-1,2,3,4,7,8,9-HpCDF	88.6	26 - 138	
OCDF	ND	0.189			13C-OCDF	77.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	71.3	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00108

TOTALS								
Total TCDD	ND	0.155						
Total PeCDD	ND	0.227						
Total HxCDD	0.365							
Total HpCDD	0.903		1.32					
Total TCDF	0.430		0.534					
Total PeCDF	ND	0.0904						
Total HxCDF	ND	0.160						
Total HpCDF	ND	0.0770						

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

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

Sample ID: PDI-060SC-B-06-08-200428 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2000996-17 Date Received: 01-May-2020 9:04
Project: Gasco PDI	Sample Size: 15.6 g	QC Batch: B0E0066 Date Extracted: 08-May-2020 12:49
Date Collected: 28-Apr-2020 10:15	% Solids: 64.0	Date Analyzed: 08-Jun-20 18:16 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.159			IS 13C-2,3,7,8-TCDD	84.0	25 - 164	
1,2,3,7,8-PeCDD	ND	0.254			13C-1,2,3,7,8-PeCDD	90.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.202			13C-1,2,3,4,7,8-HxCDD	103	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.210			13C-1,2,3,6,7,8-HxCDD	95.8	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.221			13C-1,2,3,7,8,9-HxCDD	103	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		0.758		13C-1,2,3,4,6,7,8-HpCDD	93.4	23 - 140	
OCDD	6.11			B	13C-OCDD	83.2	17 - 157	
2,3,7,8-TCDF	ND	0.162			13C-2,3,7,8-TCDF	77.7	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0872			13C-1,2,3,7,8-PeCDF	91.9	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0933			13C-2,3,4,7,8-PeCDF	90.8	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.174			13C-1,2,3,4,7,8-HxCDF	97.1	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.188			13C-1,2,3,6,7,8-HxCDF	89.3	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.186			13C-2,3,4,6,7,8-HxCDF	94.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.258			13C-1,2,3,7,8,9-HxCDF	101	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0729			13C-1,2,3,4,6,7,8-HpCDF	98.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0768			13C-1,2,3,4,7,8,9-HpCDF	96.8	26 - 138	
OCDF	ND	0.217			13C-OCDF	81.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	80.6	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00183

TOTALS								
Total TCDD	ND	0.159						
Total PeCDD	ND		0.135					
Total HxCDD	0.750							
Total HpCDD	ND		2.06					
Total TCDF	0.373		0.745					
Total PeCDF	ND	0.0933						
Total HxCDF	ND	0.258						
Total HpCDF	ND	0.0768						

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

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

DATA QUALIFIERS & ABBREVIATIONS

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

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

Vista Analytical Laboratory Certifications

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

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

NELAP Accredited Test Methods

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

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

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

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

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

2.00096 2000996 3.90C
cm 05105120

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

Project: Gasco PDI
Client: NW Natural

COC ID: VISTA-20200428-110536
Sample Custodian: CO
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-054SC-A-09-10-200428	N	SE	04/28/2020	8:56	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
002	PDI-054SC-A-10-11.1-200428	N	SE	04/28/2020	8:56	2	<input checked="" type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
003	PDI-1054SC-A-09-10-200428	FD	SE	04/28/2020		1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
004	PDI-054SC-B-00-02-200428	N	SE	04/28/2020	8:30	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
005	PDI-054SC-B-02-05-200428	N	SE	04/28/2020	8:30	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
006	PDI-054SC-B-05-07-200428	N	SE	04/28/2020	8:30	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
007	PDI-060SC-A-03-04-200428	N	SE	04/28/2020	10:44	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C
008	PDI-060SC-A-04-05-200428	N	SE	04/28/2020	10:44	1	<input type="checkbox"/>	Dioxin/Furans Total solids (VISTA)	E1613B SM2540G	30 30	4°C 4°C

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time
4/21/2020/1500	5/1/20 09:04				

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

2000996 3.9°C

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

Project: Gasco PDI
Client: NW Natural

COC ID: VISTA-20200428-110536
Sample Custodian: CO
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
008	PDI-060SC-A-04-05-200428	N	SE	04/28/2020	10:44	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
009	PDI-060SC-A-05-06-200428	N	SE	04/28/2020	10:44	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
010	PDI-060SC-A-06-07-200428	N	SE	04/28/2020	10:44	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
011	PDI-060SC-A-07-08-200428	N	SE	04/28/2020	10:44	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
012	PDI-060SC-A-08-09-200428	N	SE	04/28/2020	10:44	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
013	PDI-060SC-A-09-10-200428	N	SE	04/28/2020	10:44	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
014	PDI-060SC-B-00-02-200428	N	SE	04/28/2020	10:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
015	PDI-060SC-B-02-04-200428	N	SE	04/28/2020	10:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:

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

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

2000996 3.90C

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

Project: Gasco PDI
Client: NW Natural

COC ID: VISTA-20200428-110536
Sample Custodian: CO
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
015	PDI-060SC-B-02-04-200428	N	SE	04/28/2020	10:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
016	PDI-060SC-B-04-06-200428	N	SE	04/28/2020	10:15	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
017	PDI-060SC-B-06-08-200428	N	SE	04/28/2020	10:15	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:	
Signature		Signature		Signature		Signature	
Print Name	Lucas Henry	Print Name	William R. Wright	Print Name		Print Name	
Company	AO	Company	VAL	Company		Company	
Date/Time	4/29/2020/1500	Date/Time	5-1-20 09:04	Date/Time		Date/Time	

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

Sample Log-In Checklist

Page # 1 of 2

Vista Work Order #: 2000996

TAT 28

Samples Arrival:	Date/Time: 5/1/20 09:04	Initials: URW	Location: WR-2	Shelf/Rack: N/A			
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None			
Temp °C: 3.9 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: IR-4				
Temp °C: 3.9 (corrected)							

	YES	NO	NA		
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>				
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>				
Airbill <u>1 of 3</u> Trk # <u>7703 6338 1662</u>	<input checked="" type="checkbox"/>				
Shipping Documentation Present?	<input checked="" type="checkbox"/>				
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input type="checkbox"/> Retain	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>				
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>				
Holding Time Acceptable?	<input checked="" type="checkbox"/>				
Logged In:	Date/Time: 05/01/20 1324	Initials: CM	Location: WR-2	Shelf/Rack: G2-5	
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 #: 2000996

 TAT 28

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

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill <u>3 of 3</u> Trk # <u>7703 6338 2007</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	Vista	<input checked="" type="checkbox"/> Client	Retain
			Return / Dispose
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Logged In:	Date/Time: 05/10/20 1324	Initials: CM	Location: WR-2
			Shelf/Rack: G-5
COC Anomaly/Sample Acceptance Form completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2000996

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2000996-01	A PDI-054SC-A-09-10-200428	<input checked="" type="checkbox"/> C1	28-Apr-20 08:56	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-02	A PDI-054SC-A-10-11.1-200428	<input checked="" type="checkbox"/>	28-Apr-20 08:56	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid DUP
2000996-02	B PDI-054SC-A-10-11.1-200428	<input checked="" type="checkbox"/>	28-Apr-20 08:56	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid DUP
2000996-03	A PDI-1054SC-A-09-10-200428	<input checked="" type="checkbox"/>	28-Apr-20 08:56	<input checked="" type="checkbox"/> (A)	Amber Glass, 120 mL	Solid
2000996-04	A PDI-054SC-B-00-02-200428	<input checked="" type="checkbox"/>	28-Apr-20 08:30	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-05	A PDI-054SC-B-02-05-200428	<input checked="" type="checkbox"/>	28-Apr-20 08:30	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-06	A PDI-054SC-B-05-07-200428	<input checked="" type="checkbox"/>	28-Apr-20 08:30	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-07	A PDI-060SC-A-03-04-200428	<input checked="" type="checkbox"/> C3	28-Apr-20 10:44	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-08	A PDI-060SC-A-04-05-200428	<input checked="" type="checkbox"/>	28-Apr-20 10:44	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-09	A PDI-060SC-A-05-06-200428	<input checked="" type="checkbox"/>	28-Apr-20 10:44	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-10	A PDI-060SC-A-06-07-200428	<input checked="" type="checkbox"/>	28-Apr-20 10:44	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-11	A PDI-060SC-A-07-08-200428	<input checked="" type="checkbox"/>	28-Apr-20 10:44	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-12	A PDI-060SC-A-08-09-200428	<input checked="" type="checkbox"/>	28-Apr-20 10:44	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-13	A PDI-060SC-A-09-10-200428	<input checked="" type="checkbox"/>	28-Apr-20 10:44	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-14	A PDI-060SC-B-00-02-200428	<input checked="" type="checkbox"/> C1	28-Apr-20 10:15	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-15	A PDI-060SC-B-02-04-200428	<input checked="" type="checkbox"/>	28-Apr-20 10:15	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-16	A PDI-060SC-B-04-06-200428	<input checked="" type="checkbox"/>	28-Apr-20 10:15	<input checked="" type="checkbox"/>	Amber Glass, 120 mL	Solid
2000996-17	A PDI-060SC-B-06-08-200428	<input checked="" type="checkbox"/>	28-Apr-20 10:15	<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?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		
Preservation Documented: Na2S2O3 Trizma None Other		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Comments:

C1 = cooler 1

C3 = cooler 3

Ⓐ Time on label

Verified by/Date: CM 05/01/20

EXTRACTION INFORMATION

PRIORITY

Process Sheet

Workorder: **2000996**

Prep Expiration: 2021-04-28
Client: Anchor QEA, LLC

Workorder Due: **29-May-20 00:00**

TAT: 28

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

Prep Batch: BOE0046

Prep Data Entered: AO 05/11/20
Date and Initials

Initial Sequence: SOE0043

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2000996-01 <u>A</u>	<input checked="" type="checkbox"/>	PDI-054SC-A-09-10-200428	01-May-20 09:04	WR-2 G-5	
2000996-02	<input checked="" type="checkbox"/>	PDI-054SC-A-10-11.1-200428	01-May-20 09:04	WR-2 G-5	DUP
2000996-03	<input checked="" type="checkbox"/>	PDI-1054SC-A-09-10-200428	01-May-20 09:04	WR-2 G-5	
2000996-04	<input checked="" type="checkbox"/>	PDI-054SC-B-00-02-200428	01-May-20 09:04	WR-2 G-5	
2000996-05	<input checked="" type="checkbox"/>	PDI-054SC-B-02-05-200428	01-May-20 09:04	WR-2 G-5	
2000996-06	<input checked="" type="checkbox"/>	PDI-054SC-B-05-07-200428	01-May-20 09:04	WR-2 G-5	
2000996-07	<input checked="" type="checkbox"/>	PDI-060SC-A-03-04-200428	01-May-20 09:04	WR-2 G-5	
2000996-08	<input checked="" type="checkbox"/>	PDI-060SC-A-04-05-200428	01-May-20 09:04	WR-2 G-5	
2000996-09	<input checked="" type="checkbox"/>	PDI-060SC-A-05-06-200428	01-May-20 09:04	WR-2 G-5	
2000996-10	<input checked="" type="checkbox"/>	PDI-060SC-A-06-07-200428	01-May-20 09:04	WR-2 G-5	
2000996-11	<input checked="" type="checkbox"/>	PDI-060SC-A-07-08-200428	01-May-20 09:04	WR-2 G-5	
2000996-12	<input checked="" type="checkbox"/>	PDI-060SC-A-08-09-200428	01-May-20 09:04	WR-2 G-5	
2000996-13	<input checked="" type="checkbox"/>	PDI-060SC-A-09-10-200428	01-May-20 09:04	WR-2 G-5	
2000996-14	<input checked="" type="checkbox"/>	PDI-060SC-B-00-02-200428	01-May-20 09:04	WR-2 G-5	
2000996-15	<input checked="" type="checkbox"/>	PDI-060SC-B-02-04-200428	01-May-20 09:04	WR-2 G-5	
2000996-16	<input checked="" type="checkbox"/>	PDI-060SC-B-04-06-200428	01-May-20 09:04	WR-2 G-5	
2000996-17 ✓	<input checked="" type="checkbox"/>	PDI-060SC-B-06-08-200428	01-May-20 09:04	WR-2 G-5	

WO Comments: **Dioxin - 10g (dry weight)** RR 05/08/20
One dup required per batch of 20 samples

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

Prep Check Out: RR 05/08/20

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

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

Prep Check In: RR 05/08/20

Spike Reconciled Initials/Date: RR 05/08/20

VialBoxID: Toxic

PREPARATION BENCH SHEET

Matrix: Solid

B0E0066

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 08-May-20 12:49

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B0E0066-BL1 (2)	NA	(10.00)	RR 05/08/20	GM AZ 05/10/20	AZ 05/10/20	AO 05/11/20	AO 05/11/20	AO 05/11/20	GM AO 05/11/20
<input type="checkbox"/>	B0E0066-BS1 (X)	NA	(10.00)			↓				
<input type="checkbox"/>	B0E0066-DUP1 2000996-02	16.70	16.79			NA	yellow			
<input type="checkbox"/>	2000933-03RE4	17.10	17.17			↓				
<input type="checkbox"/>	2000951-03RE1	12.47	12.50			↓				
<input type="checkbox"/>	2000996-01	18.46	18.52			AZ 05/10/20				
<input type="checkbox"/>	2000996-02	16.70	16.80			NA				
<input type="checkbox"/>	2000996-03 (B)(E)	17.92	17.92			AZ 05/10/20				NA
<input type="checkbox"/>	2000996-04 (A)(C)	20.95	20.98			↓			AO 05/11/20	GM AO 05/11/20
<input type="checkbox"/>	2000996-05	19.83	19.94			↓				
<input type="checkbox"/>	2000996-06	18.79	18.81			↓				
<input type="checkbox"/>	2000996-07	16.62	16.62			↓				
<input type="checkbox"/>	2000996-08	16.10	16.12			NA				
<input type="checkbox"/>	2000996-09	16.96	17.06			↓				
<input type="checkbox"/>	2000996-10	16.26	16.26			↓				

IS Name (V3)	NS Name (V1)	CRS Name (V1)	RS Name (V1)	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: RR 05/08/20
PCDD/F 19L2301, 10μL	PCDD/F 18F1913, 10μL	PCDD/F 19I1602, 10μL	PCDD/F 19I1603, 10μL	Start Date/Time 05/08/20 1604	SOLV: Toluene	Check In: RR 05/08/20
PCB	PCB	PCB	PCB	Stop Date/Time 05/09/20 0813	Other NA	Balance ID: HRMS-9
PAH	PAH	PAH	PAH		Final Volume(s) C14 20μL	

- 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

(E) Reextracting due to not RV to C14 AO 05/11/20

PREPARATION BENCH SHEET

Matrix: Solid

B0E0066

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 08-May-20 12:49

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	2000996-11	15.33	15.36	RR 05/08/20	AZ 05/10/20	NA	AO 05/11/20	AO 05/11/20	AO 05/11/20	EM 05/11/20
<input type="checkbox"/>	2000996-12	16.78	16.80	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000996-13	14.84	14.85	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000996-14	14.87	14.93	↓	↓	AZ 05/10/20	↓	↓	↓	↓
<input type="checkbox"/>	2000996-15	16.47	16.53	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	2000996-16	16.45	16.51	↓	↓	NA	↓	↓	↓	↓
<input type="checkbox"/>	2000996-17	15.63	15.64	↓	↓	↓	↓	↓	↓	↓

① Poured through glass wool to remove building chip AZ 05/10/20

② AZ 05/10/20

③ Strange substance appeared while rotovapping. Would not rotovap to C14 AZ 05/10/20

④ Rinsed RB w/ DCM to remove part AZ 05/10/20

⑤ Reseal portion of AP emulsion while shaking w/ H2O AZ 05/10/20

IS Name	NS Name	CRS Name	RS Name	Cycle Time	APP: SEFUN SOX SDS	Check Out:
PCDD/F 9L2301, 10ML	PCDD/F 18F1913, 10ML	PCDD/F 1921602, 10ML	PCDD/F 19I1603, 10ML	Start Date/Time 05-08-20 1604	SOLV: Toluene	Chemist/Date: RR 05/08/20
PCB	PCB	PCB	PCB	Stop Date/Time 05-08-20 0813	Other NA	Check In: Chemist/Date: RR 05/08/20
PAH	PAH	PAH	PAH	Final Volume(s) C14 20ML		Balance ID: HRMS-9

Comments:

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

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

Inst **HRMS-9**

Date/Time IN: **05/06/20 12:21** Date/Time OUT: **05/07/20**

0816

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)	CHT 05/06/20	CHT 05/07/20			Visual Inspection	Cl-	pH Before	pH After	
	2000996-01	Sample	1.30	5.55	3.61								/
	2000996-02	Sample	1.30	6.56	4.45								/
	2000996-03	Sample	1.29	6.81	4.57								/
	2000996-04	Sample	1.29	8.33	4.65								/
	2000996-05	Sample	1.30	6.08	3.71								/
	2000996-06	Sample	1.30	5.17	3.36								/
	2000996-07	Sample	1.29	8.47	5.61								/
	2000996-08	Sample	1.31	6.96	4.82								/
	2000996-09	Sample	1.29	7.92	5.20								/
	2000996-10	Sample	1.28	8.11	5.48								/
	2000996-11	Sample	1.30	8.12	5.75								/
	2000996-12	Sample	1.30	6.25	4.25								/
	2000996-13	Sample	1.29	7.48	5.46								/
	2000996-14	Sample	1.30	8.17	5.92								/
	2000996-15	Sample	1.30	6.16	4.25								/
	2000996-16	Sample	1.30	6.02	4.17								/
	2000996-17	Sample	1.29	6.62	4.70								/

*Sample homogenized in sample container unless otherwise noted.

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000933-03RE4	17.17 ✓	58.46905	10.0391	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000951-03RE1	12.5 ✓	80.17241	10.0216	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-01	18.52 ✓	54.35294	10.0662	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-02	16.8 ✓	59.88593	10.0608	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-03	17.92	55.7971	9.9988	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-04	20.98 ✓	47.72728	10.0132	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-05	19.94 ✓	50.41841	10.0534	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-06	18.81 ✓	53.22997	10.0126	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-07	16.62 ✓	60.16713	9.9998	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-08	16.12 ✓	62.1239	10.0144	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-09	17.06 ✓	58.97435	10.0610	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-10	16.26 ✓	61.49342	9.9988	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-11	15.36 ✓	65.24927	10.0223	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-12	16.8 ✓	59.59596	10.0121	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-13	14.85 ✓	67.36672	10.0040	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-14	14.93 ✓	67.24891	10.0403	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-15	16.53 ✓	60.69959	10.0336	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-16	16.51 ✓	60.80509	10.0389	20	08-May-20 12:49	RR			Sediment	1613 Full List
2000996-17	15.64 ✓	63.97749	10.0061	20	08-May-20 12:49	RR			Sediment	1613 Full List
B0E0066-BLK1	10			20	08-May-20 12:49	RR				QC
B0E0066-BS1	10			20	08-May-20 12:49	RR	18F1913	10		QC
B0E0066-DUP1	16.79 ✓			20	08-May-20 12:49	RR				QC

All bolded data on report verified against written benchsheet by (initial/date) AO 05/11/20

Process Sheet
 Workorder: **2000996**

RX2

07 06/06/2020
 Workorder Due: 29-May-20 00:00

Prep Expiration: 2021-04-28
 Client: Anchor QEA, LLC

TAT: 28

RUSH!

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

Prep Batch: B0F0043

Prep Data Entered: NO 07/06/20
 Date and Initials

Initial Sequence: S0F049

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2000996-01	<input type="checkbox"/>	PDI-054SC-A-08-18-200428	01-May-20 09:04	WR-2 G-5	
2000996-02	<input type="checkbox"/>	PDI-054SC-A-10-11-200428	01-May-20 09:04	WR-2 G-5	DUP
2000996-03 A	<input checked="" type="checkbox"/>	PDI-1054SC-A-09-10-200428	01-May-20 09:04	WR-2 G-5	
2000996-04	<input type="checkbox"/>	PDI-054SC-B-08-02-200428	01-May-20 09:04	WR-2 G-5	
2000996-05	<input type="checkbox"/>	PDI-054SC-B-02-05-200428	01-May-20 09:04	WR-2 G-5	
2000996-06	<input type="checkbox"/>	PDI-054SC-B-05-07-200428	01-May-20 09:04	WR-2 G-5	
2000996-07	<input type="checkbox"/>	PDI-060SC-A-03-04-200428	01-May-20 09:04	WR-2 G-5	
2000996-08	<input type="checkbox"/>	PDI-060SC-A-04-05-200428	01-May-20 09:04	WR-2 G-5	
2000996-09	<input type="checkbox"/>	PDI-060SC-A-05-06-200428	01-May-20 09:04	WR-2 G-5	
2000996-10	<input type="checkbox"/>	PDI-060SC-A-06-07-200428	01-May-20 09:04	WR-2 G-5	
2000996-11	<input type="checkbox"/>	PDI-060SC-A-07-08-200428	01-May-20 09:04	WR-2 G-5	
2000996-12	<input type="checkbox"/>	PDI-060SC-A-08-09-200428	01-May-20 09:04	WR-2 G-5	
2000996-13	<input type="checkbox"/>	PDI-060SC-A-09-10-200428	01-May-20 09:04	WR-2 G-5	
2000996-14	<input type="checkbox"/>	PDI-060SC-B-00-02-200428	01-May-20 09:04	WR-2 G-5	
2000996-15	<input type="checkbox"/>	PDI-060SC-B-02-04-200428	01-May-20 09:04	WR-2 G-5	
2000996-16	<input type="checkbox"/>	PDI-060SC-B-04-06-200428	01-May-20 09:04	WR-2 G-5	
2000996-17	<input type="checkbox"/>	PDI-060SC-B-06-08-200428	01-May-20 09:04	WR-2 G-5	

lg extraction

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

Pre-Prep Check Out: _____

Prep Check Out: RR 06/06/20

Prep Reconciled Initials/Date: RR 06/06/20

Pre-Prep Check In: _____

Prep Check In: PF 06/06/20

Spike Reconciled Initials/Date: PT 06/06/20

VialBoxID: Cars

PREPARATION BENCH SHEET

Matrix: Solid

B0F0043

Chemist: DF

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 06-Jun-20 10:40

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	Column Packer:	AP CHEM/DATE	ABSG CHEM/DATE	AA CHEM/DATE	Florisil CHEM/DATE	RS CHEM/WIT DATE
B4	B0F0043-BLK1	(A) NA	(1.00)	DF 06/06/20	06/09/20	NA	06/09/20	06/09/20	06/09/20	06/09/20	06/09/20
B5	B0F0043-BS1	↓	(1.00)	↓	↓	↓	↓	↓	↓	↓	↓
B6	2000996-03RE2	↓ 1.79	1.80	↓	↓	↓	↓	↓ black	↓	↓	↓

IS: <u>19L2301, 10mL V0</u>	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: <u>RR 06/06/20</u>	Soxhlet Siphoned Chemist/Date: <u>DF 06/06/20</u>	Notes: (A) Florisil weighed out @ 1.00g. 06/09/20
NS: <u>19F1913, 10mL V0</u>	Start Date/Time: <u>06/06/20 14:55</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>DF 06/06/20</u>	Vial Transfer Chemist/Date: <u>DF 06/06/20</u>	
PS/CRS: <u>20E0701, 10mL V0</u>	Stop Date/Time: <u>06/07/20 7:10</u>	Other: <u>NA</u>	Balance ID: <u>HRMS-8</u>		
RS: <u>20E0707, 10mL V0</u>	Final Volume(s) <u>C14</u> <u>20mL</u>				
Diox/F PCB PAH PEST PBDE HCB					

Comments:

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

*DF 06/06/20
**06/09/20

Batch: B0F0043

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2000996-03RE2	1.8	55.7971	1.0043	20	06-Jun-20 10:40	RR			Sediment	1613 Full List
B0F0043-BLK1	1			20	06-Jun-20 10:40	RR				QC
B0F0043-BS1	1			20	06-Jun-20 10:40	RR	18F1913	10		QC

All bolded data on report verified against written benchsheet by (initial/date) AO 07/04/20

RX

Process Sheet

Workorder: 2000996

Prep Expiration: 2021-04-28
Client: Anchor QEA, LLC

Workorder Due: 29-May-20 00:00

TAT: 28

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

Prep Batch: 30F0086

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

Initial Sequence: S0F0057

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2000996-01	<input type="checkbox"/>	PDI-054SC-A-09-10-200428	01-May-20 09:04	WR-2 G-5	
2000996-02	<input checked="" type="checkbox"/> A,B	PDI-054SC-A-10-11.1-200428	01-May-20 09:04	WR-2 G-5	DUP
2000996-03	<input type="checkbox"/>	PDI-1054SC-A-09-10-200428	01-May-20 09:04	WR-2 G-5	
2000996-04	<input type="checkbox"/>	PDI-054SC-B-00-02-200428	01-May-20 09:04	WR-2 G-5	
2000996-05	<input type="checkbox"/>	PDI-054SC-B-02-05-200428	01-May-20 09:04	WR-2 G-5	
2000996-06	<input type="checkbox"/>	PDI-054SC-B-05-07-200428	01-May-20 09:04	WR-2 G-5	
2000996-07	<input type="checkbox"/>	PDI-060SC-A-03-04-200428	01-May-20 09:04	WR-2 G-5	
2000996-08	<input type="checkbox"/>	PDI-060SC-A-04-05-200428	01-May-20 09:04	WR-2 G-5	
2000996-09	<input type="checkbox"/>	PDI-060SC-A-05-06-200428	01-May-20 09:04	WR-2 G-5	
2000996-10	<input type="checkbox"/>	PDI-060SC-A-06-07-200428	01-May-20 09:04	WR-2 G-5	
2000996-11	<input type="checkbox"/>	PDI-060SC-A-07-08-200428	01-May-20 09:04	WR-2 G-5	
2000996-12	<input type="checkbox"/>	PDI-060SC-A-08-09-200428	01-May-20 09:04	WR-2 G-5	
2000996-13	<input type="checkbox"/>	PDI-060SC-A-09-10-200428	01-May-20 09:04	WR-2 G-5	
2000996-14	<input type="checkbox"/>	PDI-060SC-B-00-02-200428	01-May-20 09:04	WR-2 G-5	
2000996-15	<input type="checkbox"/>	PDI-060SC-B-02-04-200428	01-May-20 09:04	WR-2 G-5	
2000996-16	<input type="checkbox"/>	PDI-060SC-B-04-06-200428	01-May-20 09:04	WR-2 G-5	
2000996-17	<input type="checkbox"/>	PDI-060SC-B-06-08-200428	01-May-20 09:04	WR-2 G-5	

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

Pre-Prep Check Out: _____
Pre-Prep Check In: _____

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

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

PREPARATION BENCH SHEET

Matrix: Solid

B0F0086

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

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

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

IS: <u>19L2301, 10ML (V1)</u>	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: <u>RR 06/13/20</u>	Soxhlet Siphoned Chemist/Date: <u>RR 06/13/20</u>	Notes: (A) samples look visibly different after extraction YLL 06/14/20 (B) samples went through 2nd sulfate funnel after AP to remove water YLL 06/14/20 (C) moved roundbottom under column late during florisil YLL 06/15/20
NS: <u>1BF1913, 10ML (V1)</u>	Start Date/Time <u>06/13/20</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>RR 06/13/20</u>	Vial Transfer Chemist/Date: <u>YLL 06/16/20</u>	
PS/CRS: <u>20E0701, 10ML (V6)</u>	Stop Date/Time <u>06/14/20</u>	Other: <u>NA</u>	Balance ID: <u>HRMS-8</u>		
RS: <u>20E0702, 10ML (V5)</u>	<u>0800</u>	Final Volume(s) <u>C14</u> <u>20ML</u>			
Diox/F PCB PAH PEST PBDE HCB					

Comments:
 1 = Sample approached dryness on rotovap
 2 = Sample bumped on rotovap; lost < 5%
 3 = Sample poured through Na2SO4 to remove water
 4 = Precipitate present at Final Volume
 5 = Sample homogenized in secondary container blow down (not crystallized)
 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist
 7 = Soxhlet approached dryness

PREPARATION BENCH SHEET

Matrix: Solid

B0F0086

Chemist: RR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

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

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

* YLL 06/14/20

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

IS: <u>19L 2301, 10ml v4</u>	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: Chemist/Date: <u>RR 06/13/20</u>	Soxhlet Siphoned Chemist/Date: <u>RR 06/13/20</u>	Notes:
NS: <u>18 F1913, 10ml v0</u>	Start Date/Time: <u>06/13/20</u>	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>RR 06/13/20</u>	Vial Transfer Chemist/Date: <u>YLL 06/16/20</u>	
PS/CRS: <u>20E0701, 10ML V0</u>	1600	Other: <u>NA</u>	Balance ID: <u>HRMS-8</u>		
RS: <u>20E0702, 10ML V5</u>	Stop Date/Time: <u>06/14/20</u>	Final Volume(s): <u>44</u> <u>20ML</u>			
Diox/F PCB PAH PEST PBDE HCB					

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

Batch: B0F0086

Matrix: Solid

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

* 11 Jun 20 16:31 CT 6/25/2020

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

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\200518R1\200518R1-6.qld

Last Altered: Monday, May 18, 2020 15:07:30 Pacific Daylight Time
Printed: Monday, May 18, 2020 15:08:27 Pacific Daylight Time

GER 05/18/2020

C7 05/21/2020

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

Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	0.947	10.000	26.066		1.001				0.0517	
2	2 1,2,3,7,8-PeCDD			NO	0.942	10.000	31.131		1.001				0.0464	
3	3 1,2,3,4,7,8-HxCDD			NO	1.06	10.000	34.505		1.000				0.0511	
4	4 1,2,3,6,7,8-HxCDD			NO	0.915	10.000	34.590		1.000				0.0514	
5	5 1,2,3,7,8,9-HxCDD			NO	0.915	10.000	34.878		1.000				0.0579	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.898	10.000	38.383		1.000				0.0797	
7	7 OCDD	6.39e2	0.86	NO	0.933	10.000	41.354	41.39	1.000	1.001	0.22110		0.0598	0.221
8	8 2,3,7,8-TCDF			NO	0.787	10.000	25.117		1.001				0.0552	
9	9 1,2,3,7,8-PeCDF			NO	0.910	10.000	29.818		1.001				0.0418	
10	10 2,3,4,7,8-PeCDF			NO	0.966	10.000	30.835		1.001				0.0411	
11	11 1,2,3,4,7,8-HxCDF	2.91e2	1.08	NO	0.878	10.000	33.621	33.64	1.000	1.001	0.056722		0.0146	0.0567
12	12 1,2,3,6,7,8-HxCDF	3.34e2	1.16	NO	0.874	10.000	33.759	33.76	1.000	1.000	0.056326		0.0134	0.0563
13	13 2,3,4,6,7,8-HxCDF			NO	0.922	10.000	34.358		1.001				0.0430	
14	14 1,2,3,7,8,9-HxCDF	2.31e2	1.29	NO	0.864	10.000	35.219	35.22	1.000	1.000	0.055627		0.0230	0.0556
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.871	10.000	36.981		1.001				0.0488	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.01	10.000	38.957		1.000				0.0557	
17	17 OCDF			NO	0.802	10.000	41.545		1.000				0.0827	
18	18 13C-2,3,7,8-TCDD	1.49e6	0.77	NO	1.16	10.000	26.015	26.03	1.026	1.027	141.90	70.9	0.150	
19	19 13C-1,2,3,7,8-PeCDD	1.27e6	0.62	NO	0.847	10.000	31.105	31.11	1.227	1.227	165.93	83.0	0.181	
20	20 13C-1,2,3,4,7,8-HxCDD	8.66e5	1.28	NO	0.750	10.000	34.495	34.49	1.014	1.014	143.90	71.9	0.342	
21	21 13C-1,2,3,6,7,8-HxCDD	1.12e6	1.28	NO	0.963	10.000	34.607	34.59	1.017	1.017	145.34	72.7	0.266	
22	22 13C-1,2,3,7,8,9-HxCDD	9.84e5	1.23	NO	0.838	10.000	34.876	34.87	1.025	1.025	146.35	73.2	0.306	
23	23 13C-1,2,3,4,6,7,8-HpCDD	7.53e5	1.05	NO	0.641	10.000	38.366	38.37	1.128	1.128	146.24	73.1	0.306	
24	24 13C-OCDD	1.24e6	0.90	NO	0.586	10.000	41.359	41.35	1.216	1.216	263.17	65.8	0.330	
25	25 13C-2,3,7,8-TCDF	1.85e6	0.78	NO	1.03	10.000	25.075	25.09	0.989	0.990	137.78	68.9	0.233	
26	26 13C-1,2,3,7,8-PeCDF	1.79e6	1.60	NO	0.845	10.000	29.794	29.80	1.176	1.176	162.92	81.5	0.289	
27	27 13C-2,3,4,7,8-PeCDF	1.74e6	1.60	NO	0.814	10.000	30.785	30.80	1.215	1.215	164.32	82.2	0.300	
28	28 13C-1,2,3,4,7,8-HxCDF	1.17e6	0.51	NO	1.00	10.000	33.634	33.62	0.989	0.988	144.61	72.3	0.371	
29	29 13C-1,2,3,6,7,8-HxCDF	1.36e6	0.52	NO	1.14	10.000	33.756	33.75	0.992	0.992	148.58	74.3	0.328	
30	30 13C-2,3,4,6,7,8-HxCDF	1.19e6	0.51	NO	1.02	10.000	34.325	34.32	1.009	1.009	145.07	72.5	0.365	
31	31 13C-1,2,3,7,8,9-HxCDF	9.59e5	0.50	NO	0.845	10.000	35.216	35.22	1.035	1.035	141.44	70.7	0.442	

Dataset: U:\VG12.PRO\Results\200518R1\200518R1-6.qld

Last Altered: Monday, May 18, 2020 15:07:30 Pacific Daylight Time
Printed: Monday, May 18, 2020 15:08:27 Pacific Daylight Time

Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-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	9.00e5	0.42	NO	0.771	10.000	36.947	36.94	1.086	1.086	145.44	72.7	0.307	
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.23e5	0.42	NO	0.482	10.000	38.957	38.96	1.145	1.145	161.04	80.5	0.491	
34	34 13C-OCDF	1.57e6	0.88	NO	0.669	10.000	41.529	41.54	1.221	1.221	292.97	73.2	0.295	
35	35 37Cl-2,3,7,8-TCDD	5.82e5			1.10	10.000	26.046	26.05	1.028	1.028	58.504	73.1	0.0367	
36	36 13C-1,2,3,4-TCDD	1.81e6	0.79	NO	1.00	10.000	25.350	25.35	1.000	1.000	200.00	100	0.174	
37	37 13C-1,2,3,4-TCDF	2.60e6	0.79	NO	1.00	10.000	23.560	23.59	1.000	1.000	200.00	100	0.241	
38	38 13C-1,2,3,4,6,9-HxCDF	1.61e6	0.51	NO	1.00	10.000	34.000	34.01	1.000	1.000	200.00	100	0.373	
39	39 Total Tetra-Dioxins				0.947	10.000	24.620		0.000				0.0322	
40	40 Total Penta-Dioxins				0.942	10.000	29.960		0.000				0.0234	
41	41 Total Hexa-Dioxins				0.915	10.000	33.635		0.000				0.0269	
42	42 Total Hepta-Dioxins				0.898	10.000	37.640		0.000				0.0461	
43	43 Total Tetra-Furans				0.787	10.000	23.610		0.000				0.0247	
44	44 1st Func. Penta-Furans				0.910	10.000	27.090		0.000		0.044752		0.00457	0.0448
45	45 Total Penta-Furans				0.910	10.000	29.275		0.000				0.0217	
46	46 Total Hexa-Furans				0.922	10.000	33.555		0.000		0.16867		0.0154	0.233
47	47 Total Hepta-Furans				0.871	10.000	37.835		0.000				0.0273	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\200518R1\200518R1-6.qld

Last Altered: Monday, May 18, 2020 15:07:30 Pacific Daylight Time

Printed: Monday, May 18, 2020 15:08:27 Pacific Daylight Time

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

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

Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-BLK1 Method Blank 10, Description: Method Blank

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	27.17	3.362e3	2.361e3	2.127e2	1.469e2	1.45	NO	3.596e2	0.044752	0.044752	0.00457

Dataset: U:\VG12.PRO\Results\200518R1\200518R1-6.qld

Last Altered: Monday, May 18, 2020 15:07:30 Pacific Daylight Time

Printed: Monday, May 18, 2020 15:08:27 Pacific Daylight Time

5. ID: B0E066 Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E066-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	Total Hexa-Furans	32.62	4.021e3	3.137e3	1.416e2	8.017e1	1.77	YES	0.000e0	0.00000	0.033363	0.0154
2	1,2,3,4,7,8-HxCDF	33.64	2.487e3	4.370e3	1.509e2	1.397e2	1.08	NO	2.905e2	0.056722	0.056722	0.0146
3	1,2,3,6,7,8-HxCDF	33.76	3.513e3	2.873e3	1.795e2	1.542e2	1.16	NO	3.337e2	0.056326	0.056326	0.0134
4	1,2,3,7,8,9-HxCDF	35.22	2.881e3	2.712e3	1.299e2	1.006e2	1.29	NO	2.305e2	0.055627	0.055627	0.0230
5	Total Hexa-Furans	35.24	2.823e3	2.159e3	1.111e2	7.549e1	1.47	YES	0.000e0	0.00000	0.031417	0.0154

Hepta-Furans

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

Dataset: Untitled

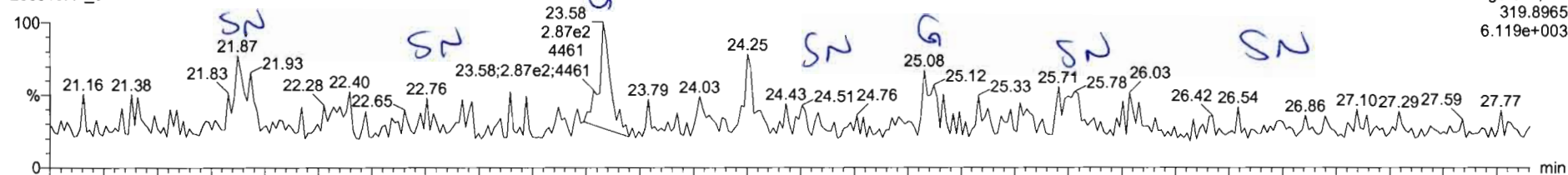
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Printed: Monday, May 18, 2020 14:03:05 Pacific Daylight Time

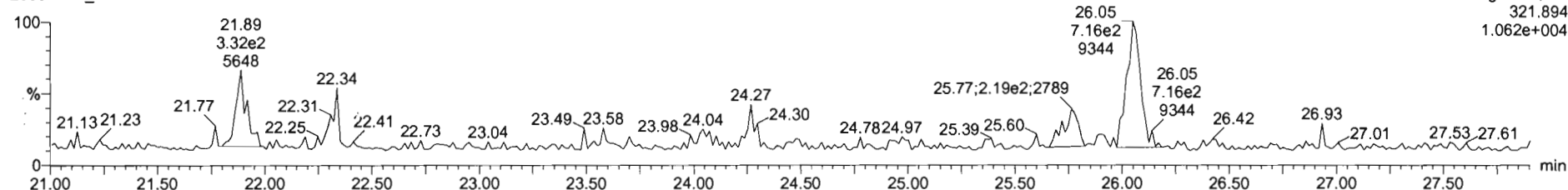
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2,3,7,8-TCDD

200518R1_6

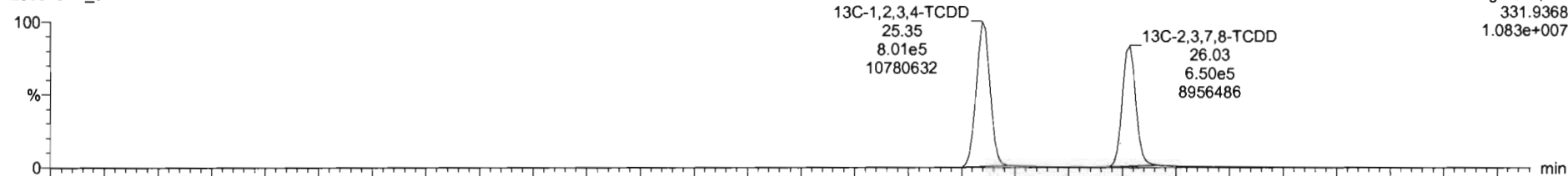


200518R1_6

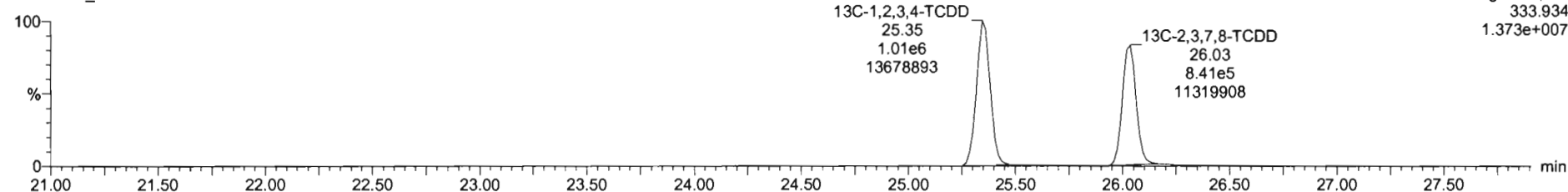


13C-2,3,7,8-TCDD

200518R1_6



200518R1_6



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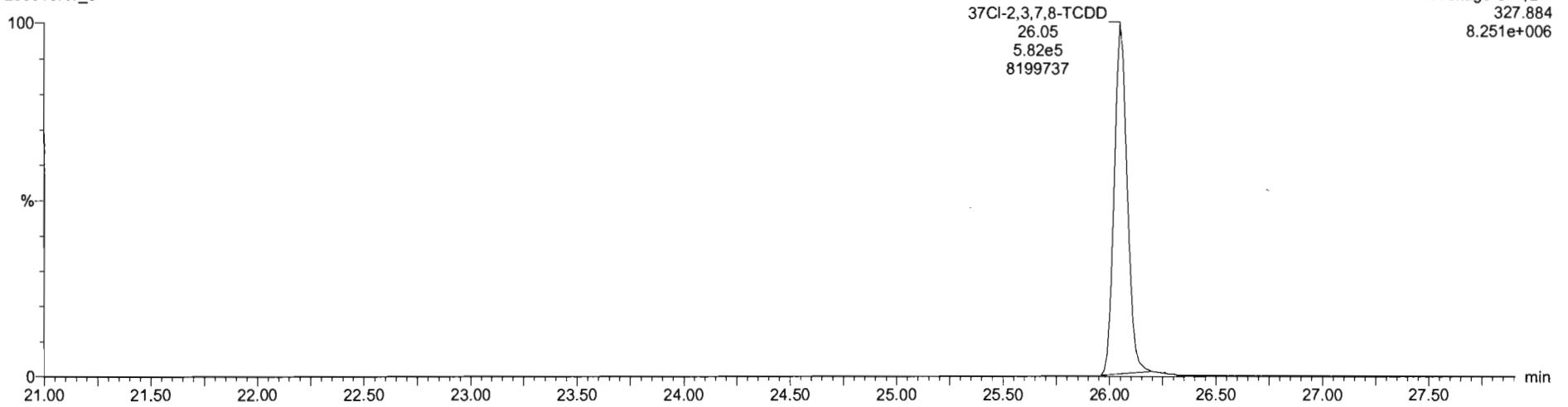
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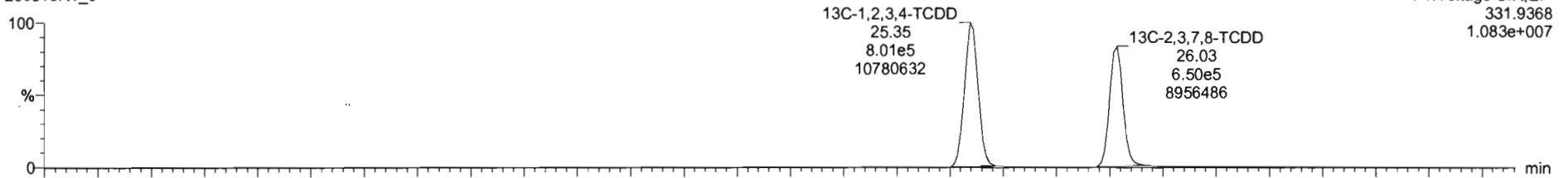
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200518R1_6

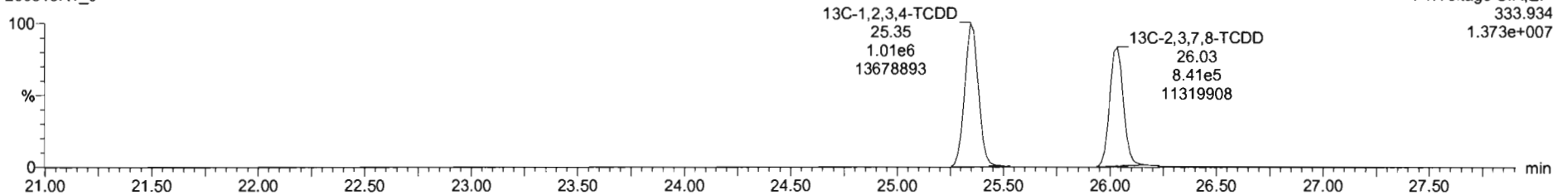


13C-1,2,3,4-TCDD

200518R1_6



200518R1_6



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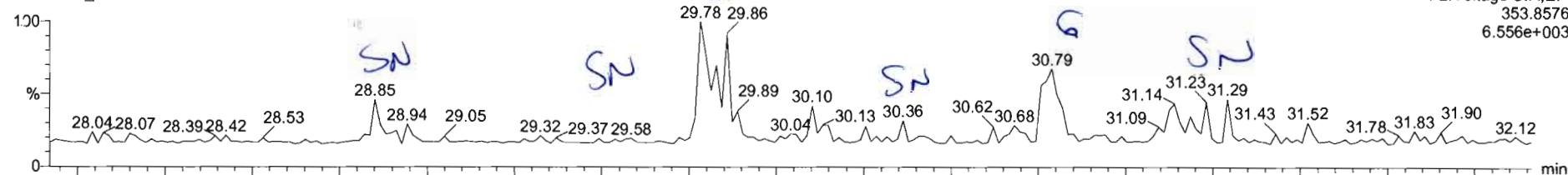
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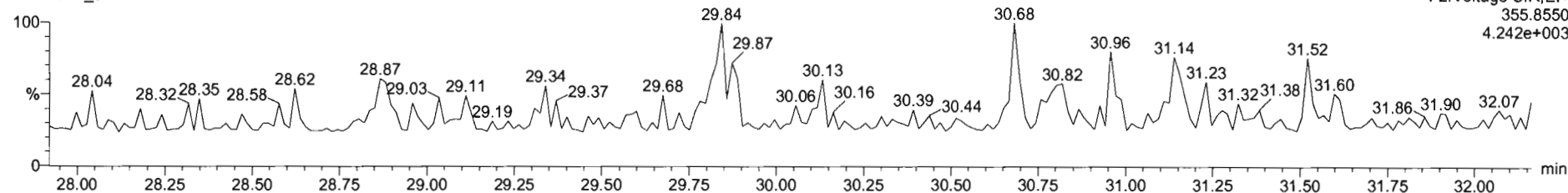
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1,2,3,7,8-PeCDD

200518R1_6

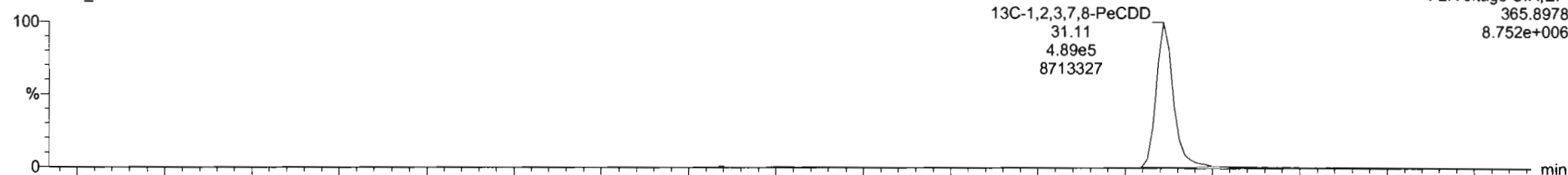


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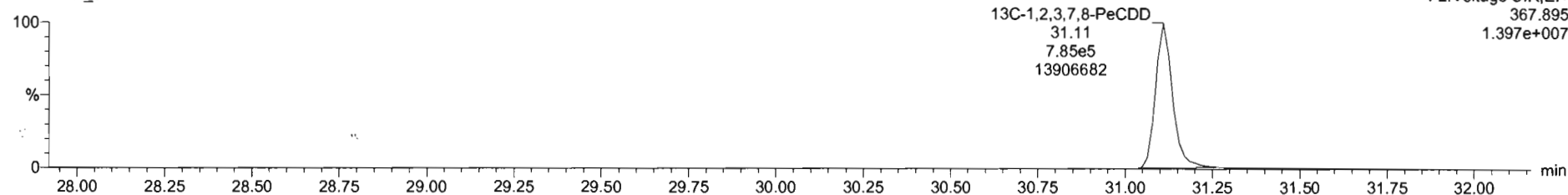


13C-1,2,3,7,8-PeCDD

200518R1_6



200518R1_6



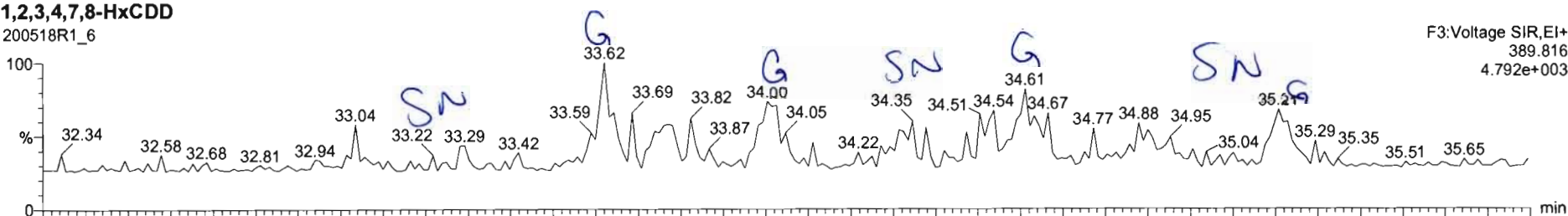
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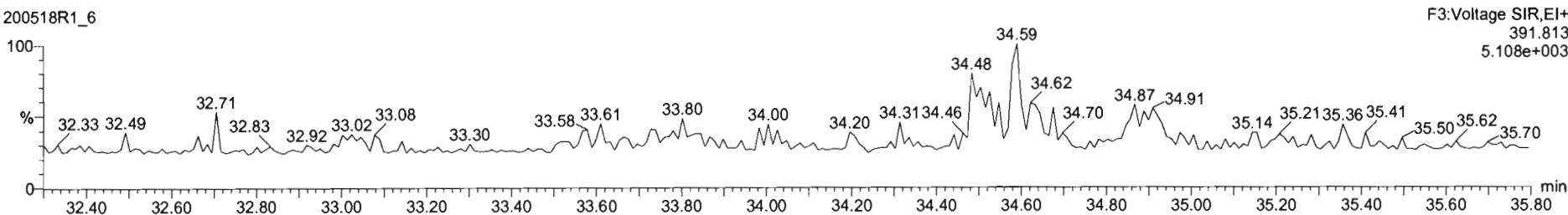
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1,2,3,4,7,8-HxCDD

200518R1_6

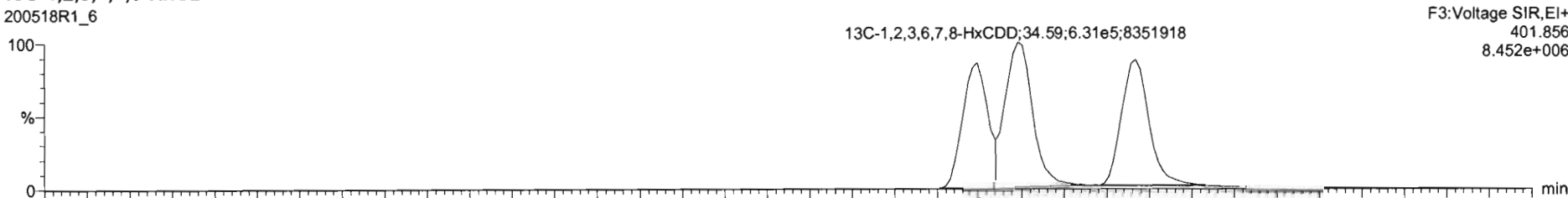


200518R1_6

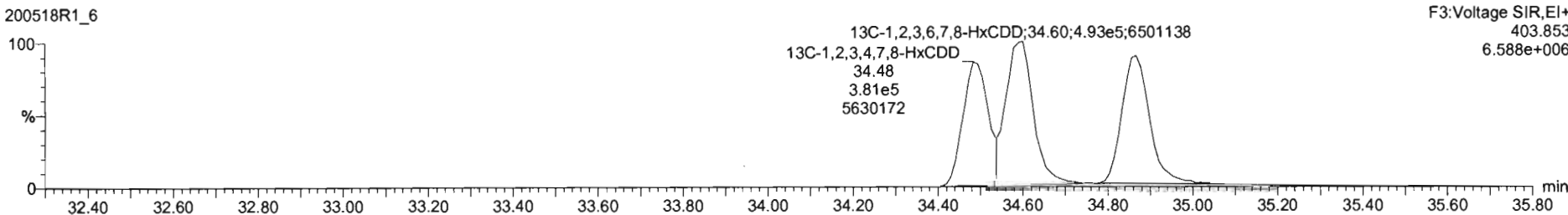


13C-1,2,3,4,7,8-HxCDD

200518R1_6



200518R1_6



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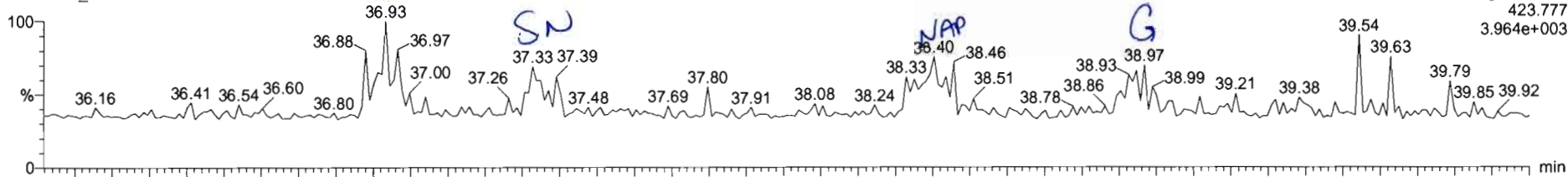
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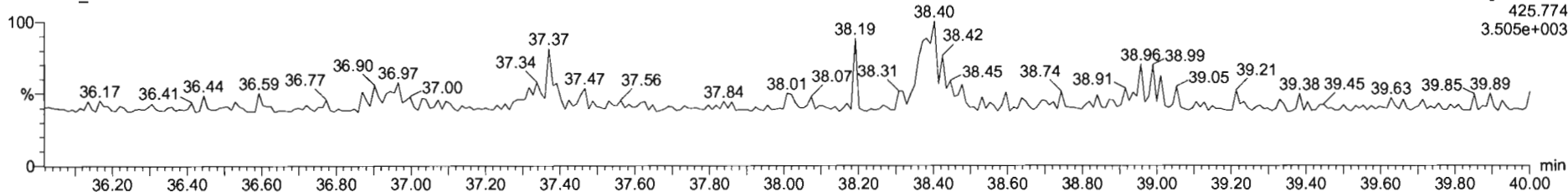
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1,2,3,4,6,7,8-HpCDD

200518R1_6

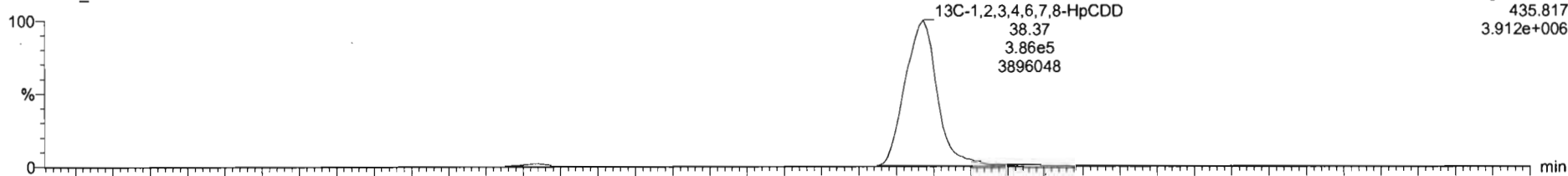


200518R1_6

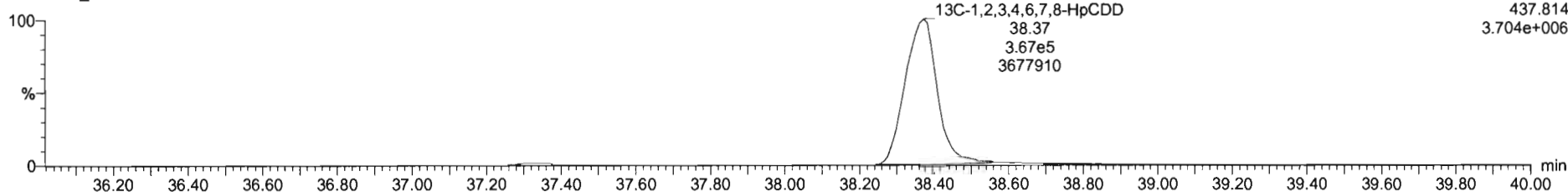


13C-1,2,3,4,6,7,8-HpCDD

200518R1_6



200518R1_6

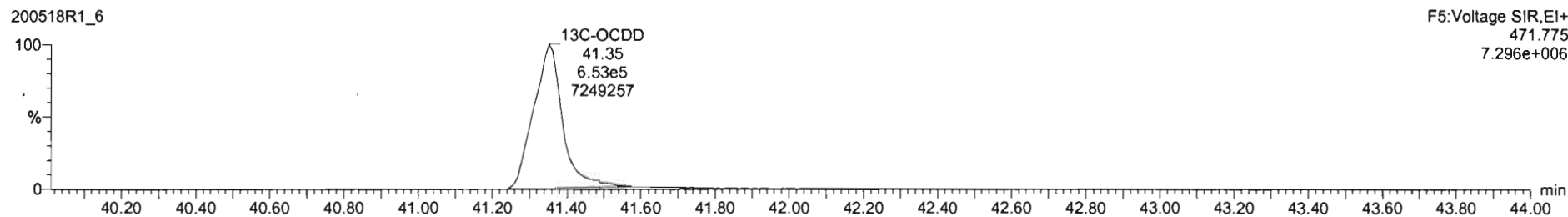
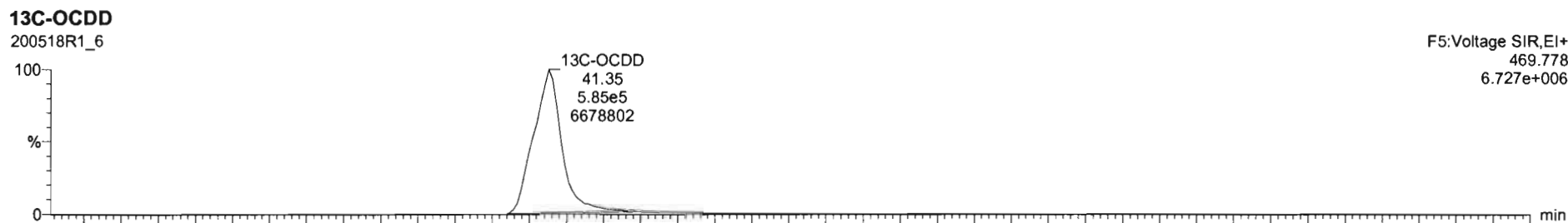
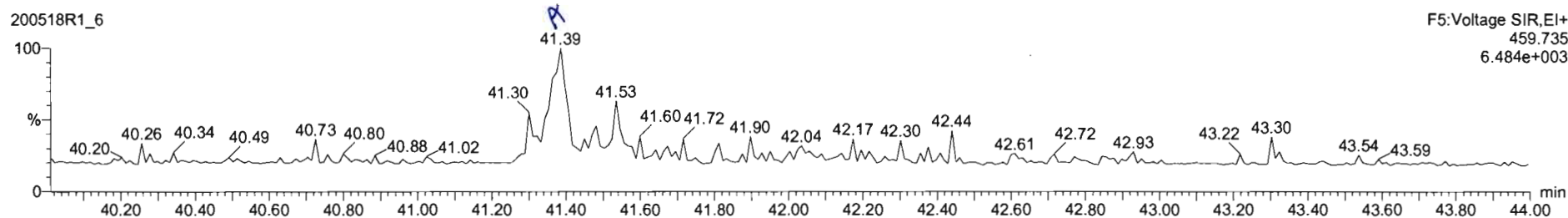
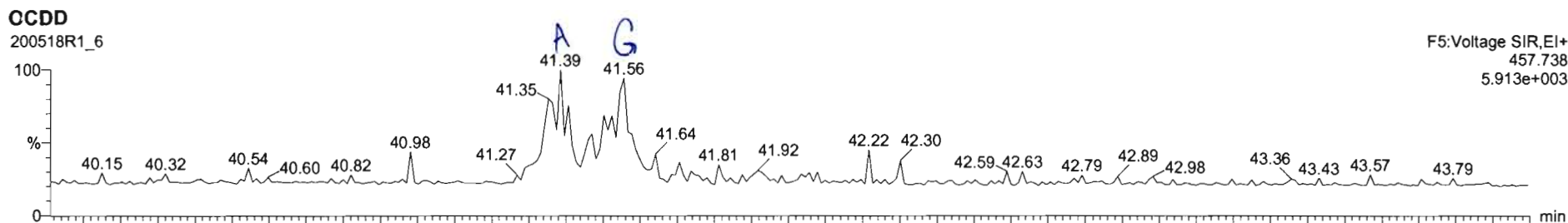


Dataset: Untitled

Last Altered: Monday, May 18, 2020 14:02:47 Pacific Daylight Time

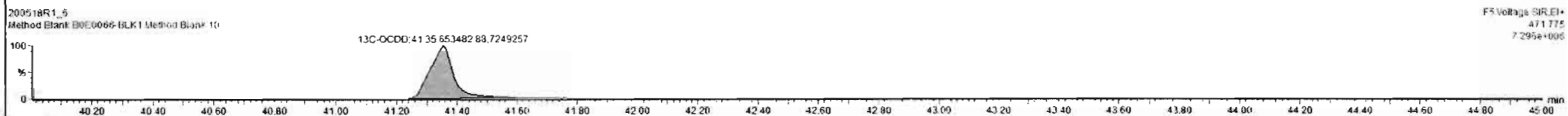
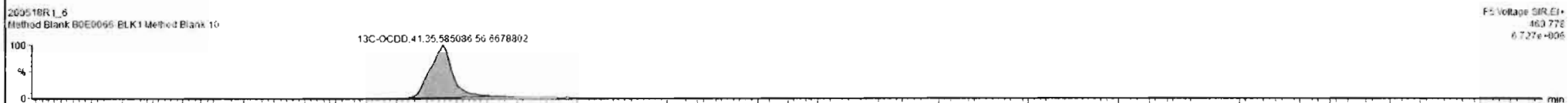
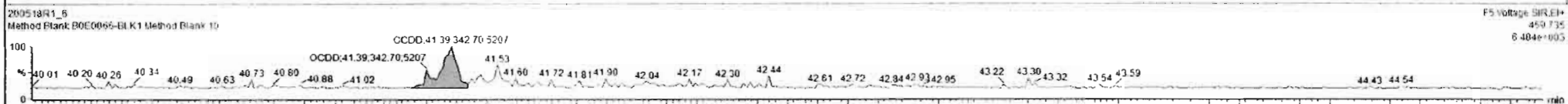
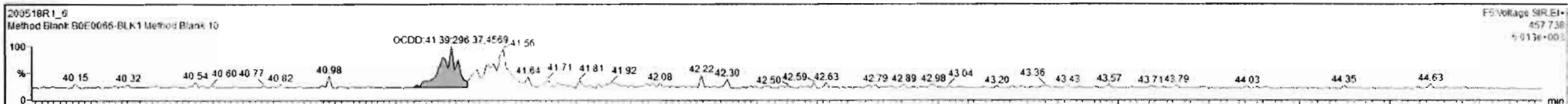
Printed: Monday, May 18, 2020 14:03:05 Pacific Daylight Time

Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-BLK1 Method Blank 10, Description: Method Blank



Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
6	1,2,3,4,6,7,8-HcCDD	NO	NO	0.8975	10.000	41.33	1.001	0.221		0.0797	
7	OCDD	6.39e2	0.56	NO	0.9335	10.000	41.33	1.001	0.221	0.0568	0.221

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

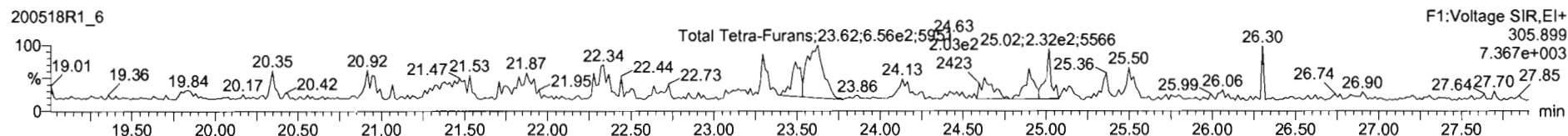


Dataset: Untitled

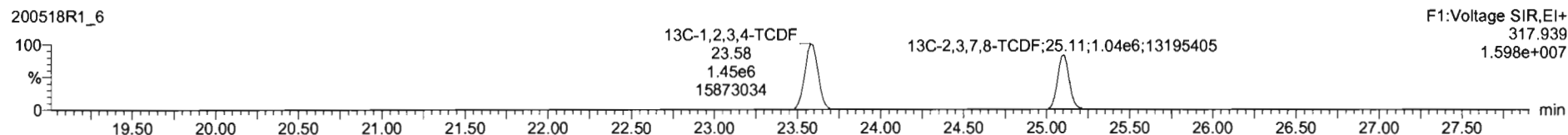
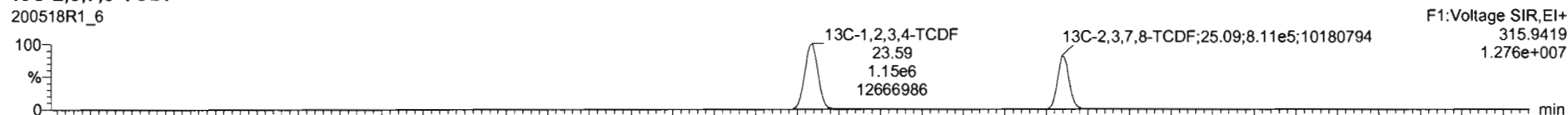
Last Altered: Monday, May 18, 2020 14:02:47 Pacific Daylight Time
Printed: Monday, May 18, 2020 14:03:05 Pacific Daylight Time

Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-BLK1 Method Blank 10, Description: Method Blank

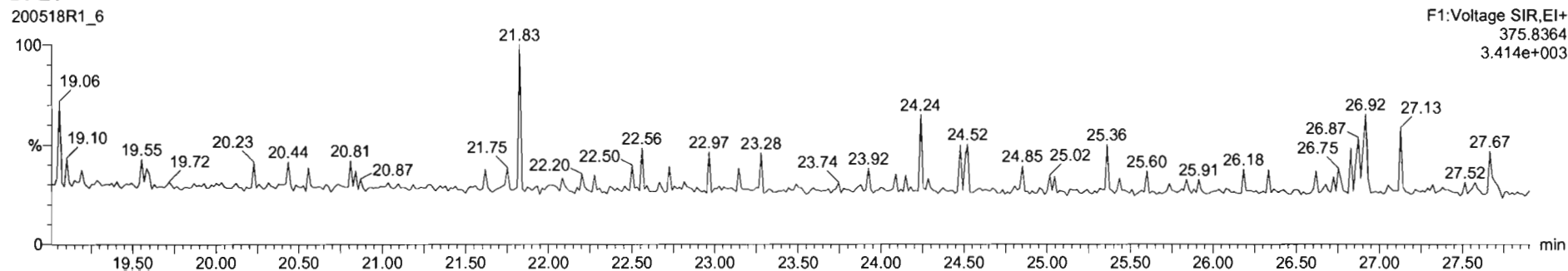
2,3,7,8-TCDF



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



DPE1



Dataset: Untitled

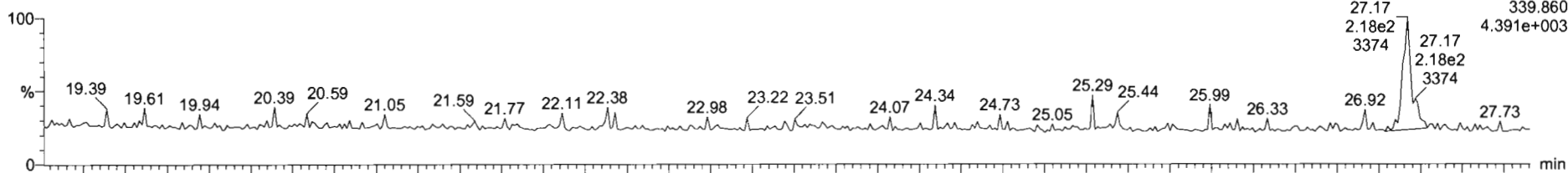
Last Altered: Monday, May 18, 2020 14:02:47 Pacific Daylight Time

Printed: Monday, May 18, 2020 14:03:05 Pacific Daylight Time

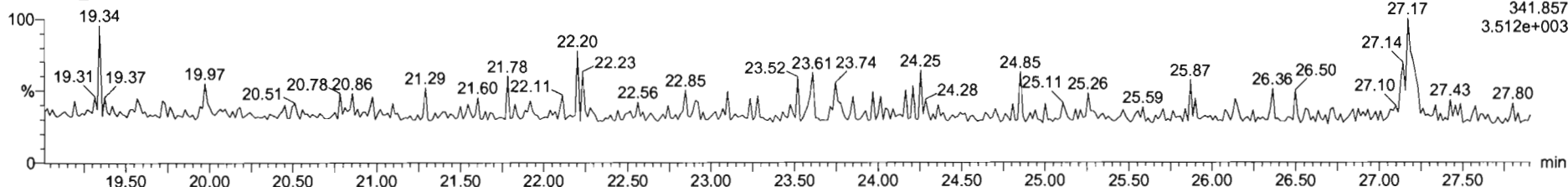
Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

200518R1_6

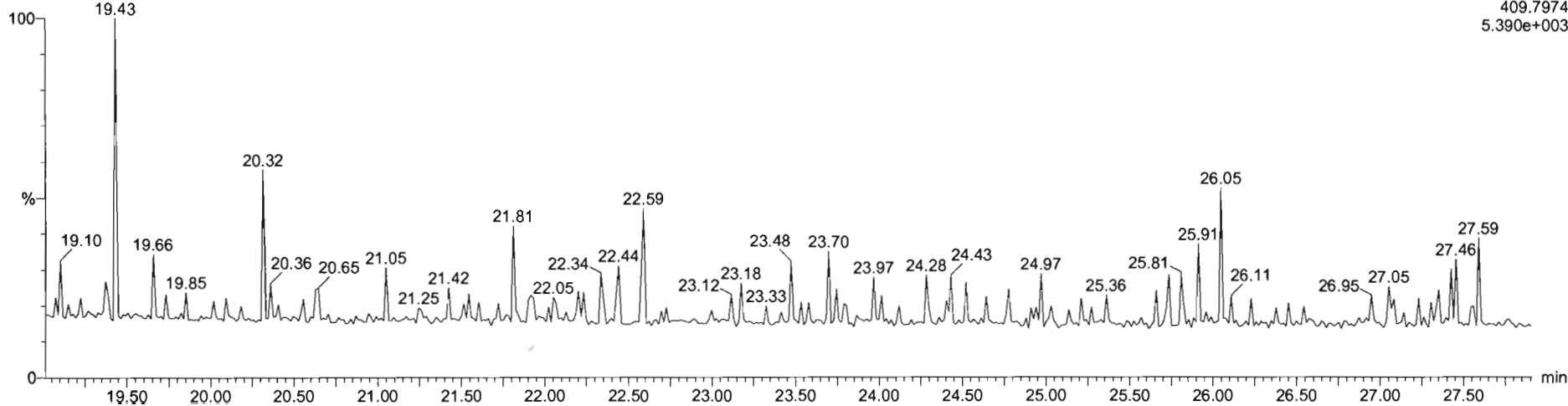


200518R1_6



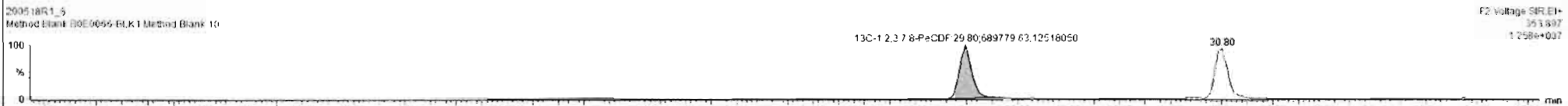
DPE6

200518R1_6



Name	Resp	RA	n/y	RRF	wVvol	RT	RRT	Conc.	%Rec	DL	EMPC
42 Total Hepta-Dioxins				0.8976	10.000				0.0461		
43 Total Tetra-Furans				0.7271	10.000				0.0247		

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1st Func. Penta-Furans	27.17	2.127e2	1.469e2	1.45	NO	0.044752	0.044752



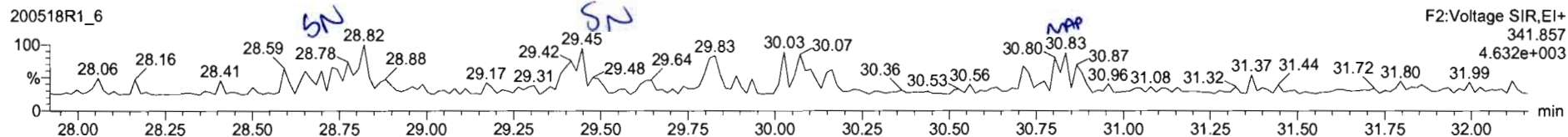
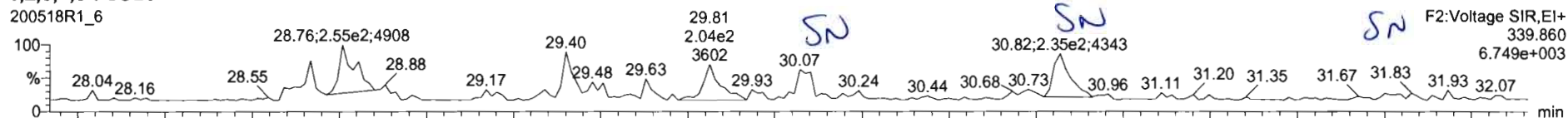
Dataset: Untitled

Last Altered: Monday, May 18, 2020 14:02:47 Pacific Daylight Time

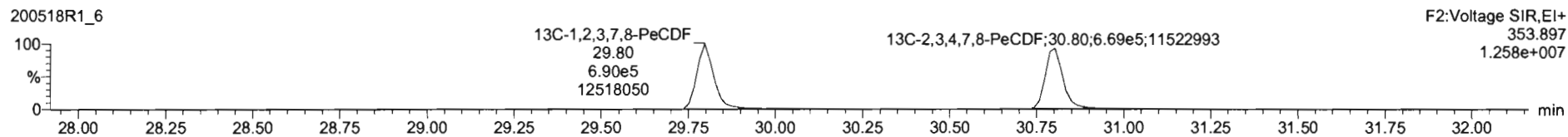
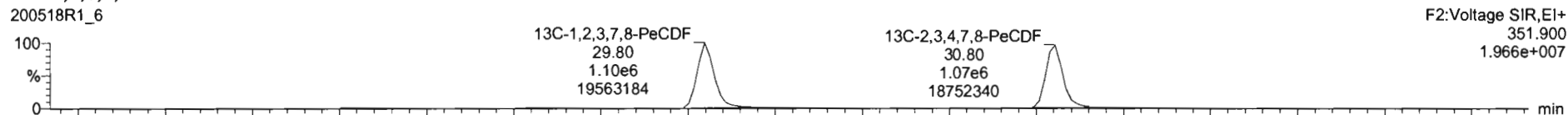
Printed: Monday, May 18, 2020 14:03:05 Pacific Daylight Time

Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-BLK1 Method Blank 10, Description: Method Blank

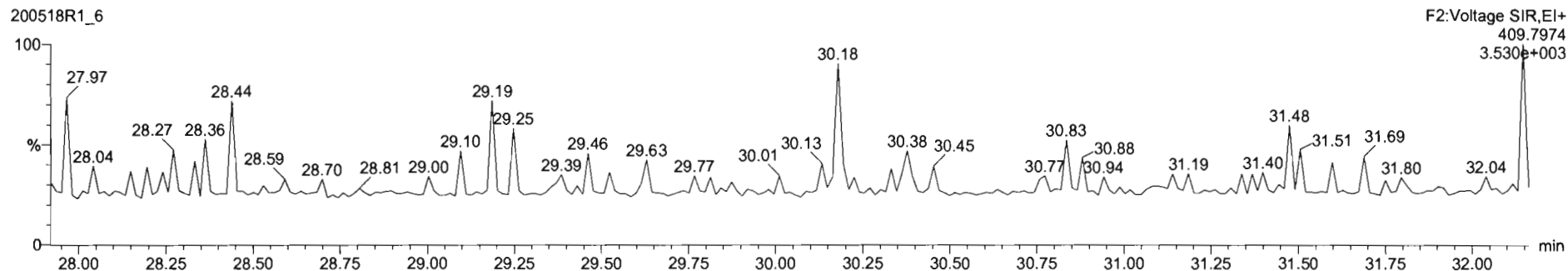
1,2,3,7,8-PeCDF



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



DPE2

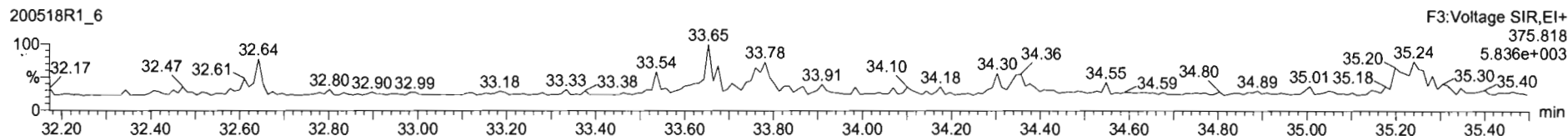
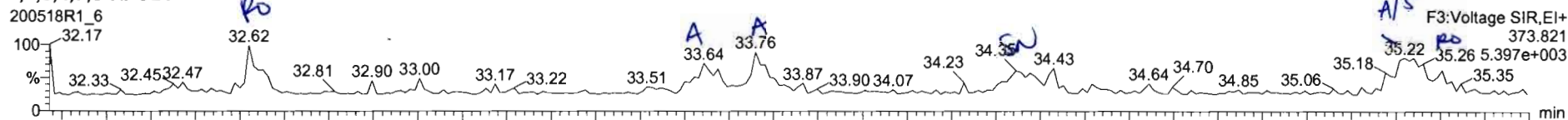


Dataset: Untitled

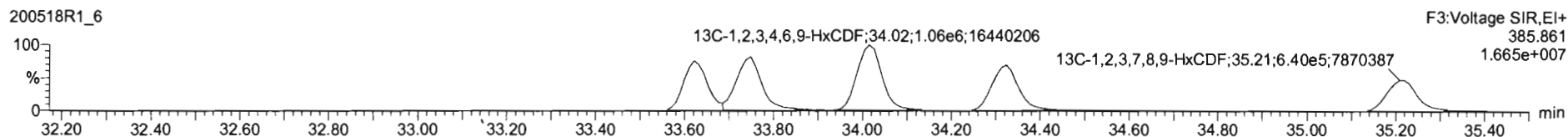
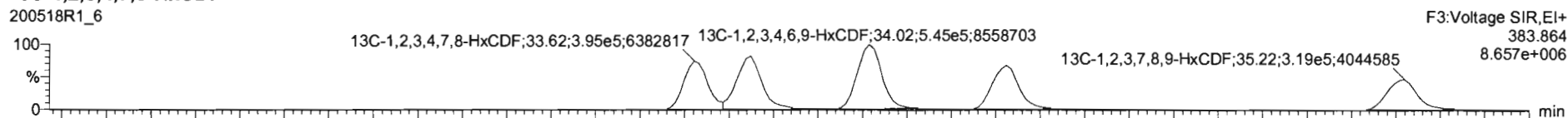
Last Altered: Monday, May 18, 2020 14:02:47 Pacific Daylight Time
Printed: Monday, May 18, 2020 14:03:05 Pacific Daylight Time

Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-BLK1 Method Blank 10, Description: Method Blank

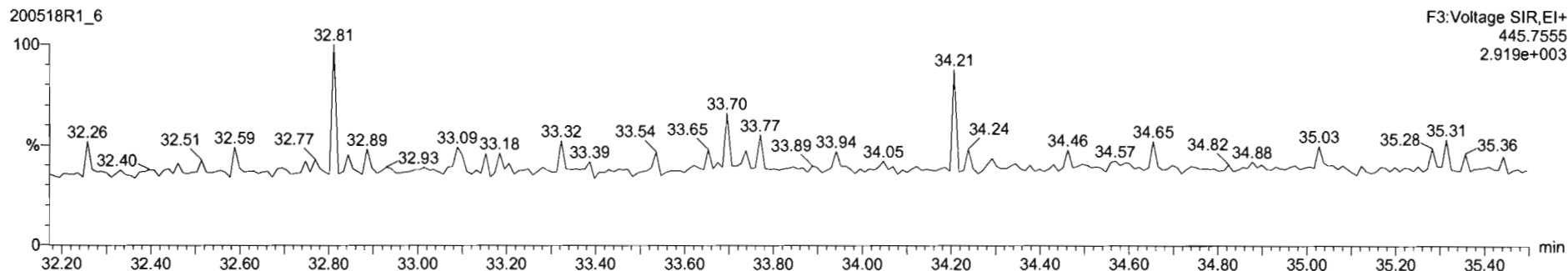
1,2,3,4,7,8-HxCDF



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

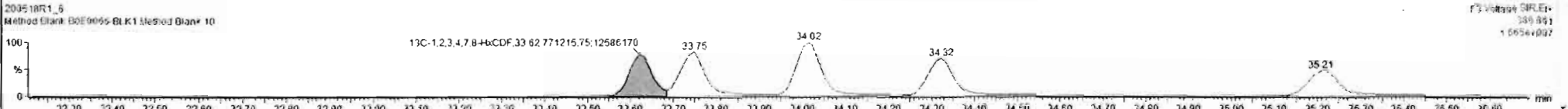
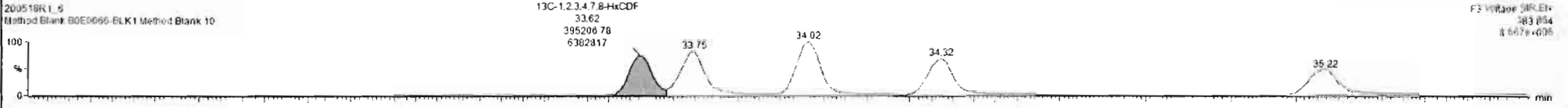
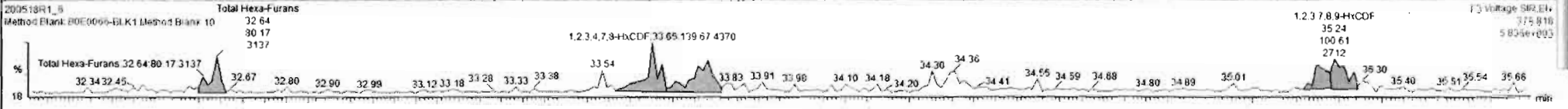
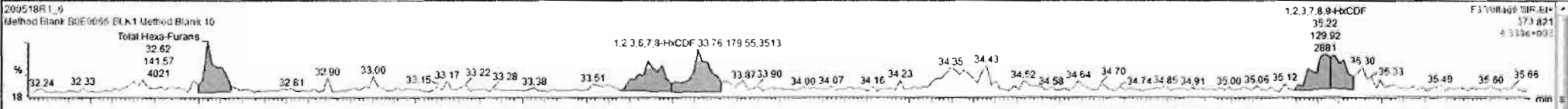


DPE3



Name	Resp	RA	n/y	RRF	w/vol	RT	RRT	Conc.	%Rec	DL	EMPC
45 Total Penta-Furans				0.9102	10.000					0.0217	
46 Total Hexa-Furans				0.0217	10.000			0.169		0.0154	0.233

Name	RT	n1 Resp	n2 Resp	RA	n/y	EMPC	Conc.
1 Total Hexa-Furans	32.62	1.416e2	8.017e1	1.77	YES	0.033363	0.00000
2 1,2,3,4,7,8-HxCDF	33.64	1.506e2	1.397e2	1.08	NO	0.066722	0.056722
3 1,2,3,6,7,8-HxCDF	33.76	1.795e2	1.542e2	1.16	NO	0.066326	0.056326
4 1,2,3,7,8,9-HxCDF	35.22	1.259e2	1.006e2	1.29	NO	0.055627	0.055627
5 Total Hexa-Furans	35.34	1.111e2	7.549e1	1.47	YES	0.031417	0.00000

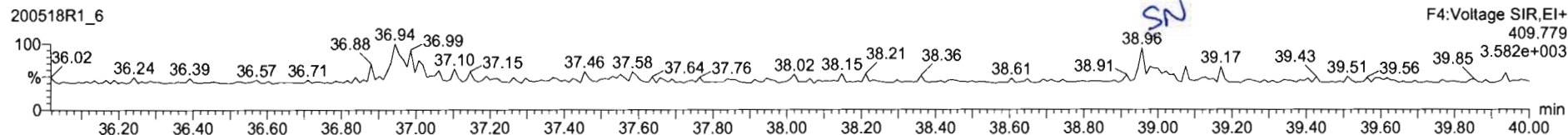
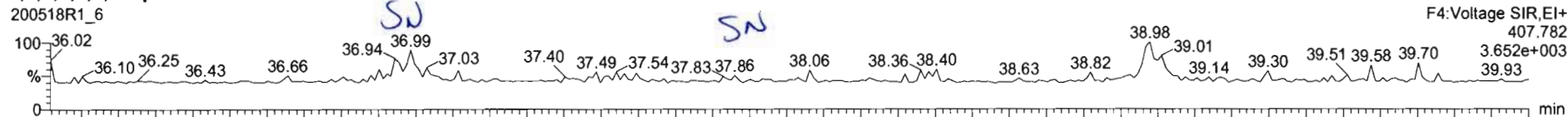


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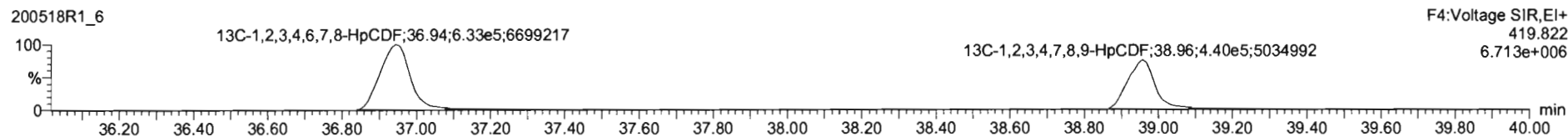
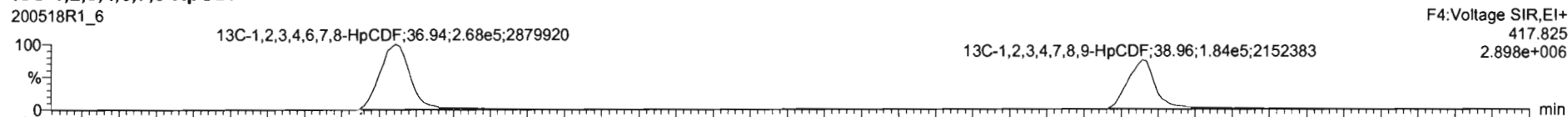
Last Altered: Monday, May 18, 2020 14:02:47 Pacific Daylight Time
Printed: Monday, May 18, 2020 14:03:05 Pacific Daylight Time

Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-BLK1 Method Blank 10, Description: Method Blank

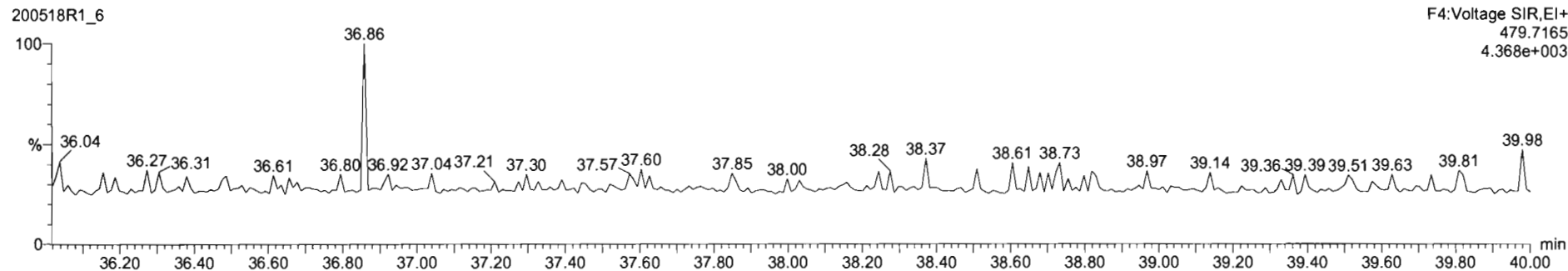
1,2,3,4,6,7,8-HpCDF



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



DPE4

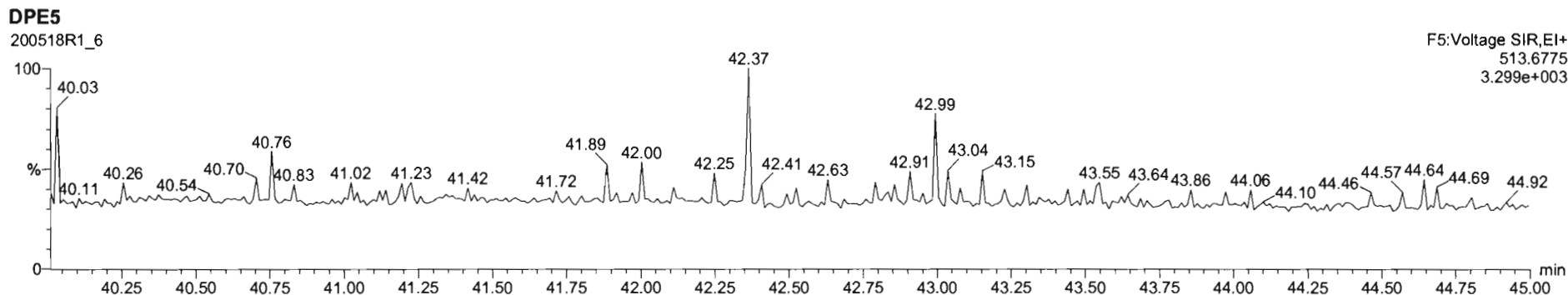
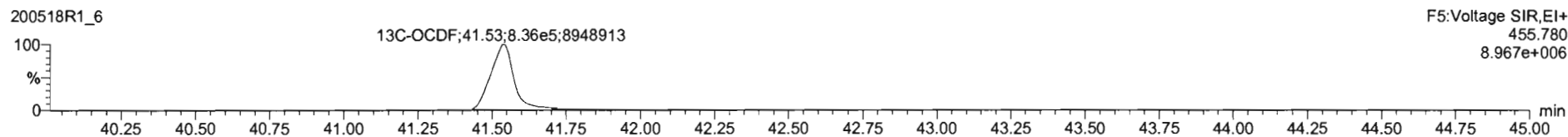
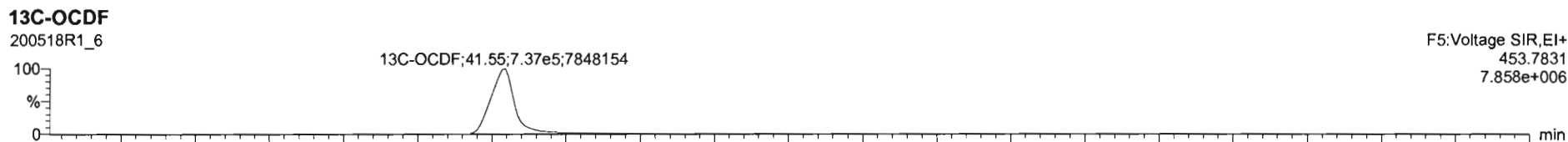
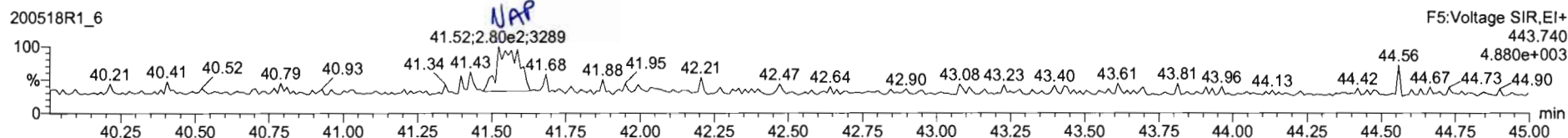
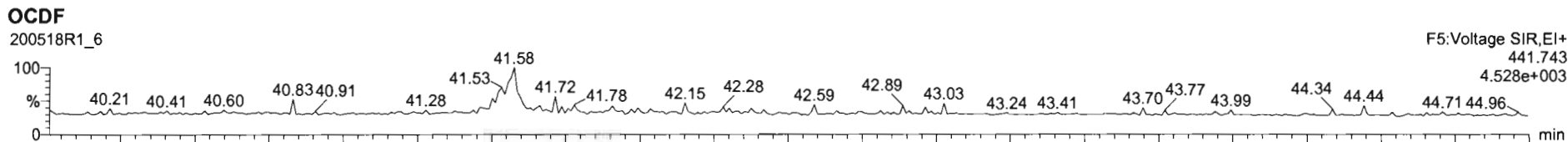


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Last Altered: Monday, May 18, 2020 14:02:47 Pacific Daylight Time

Printed: Monday, May 18, 2020 14:03:05 Pacific Daylight Time

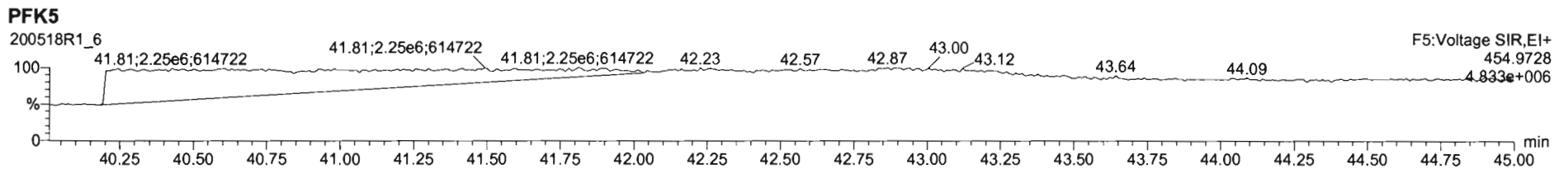
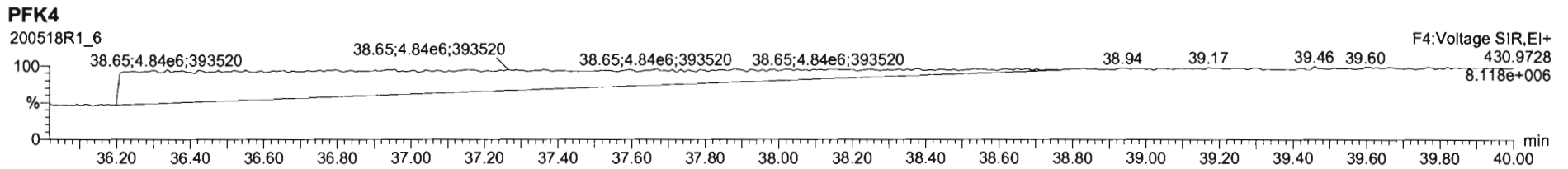
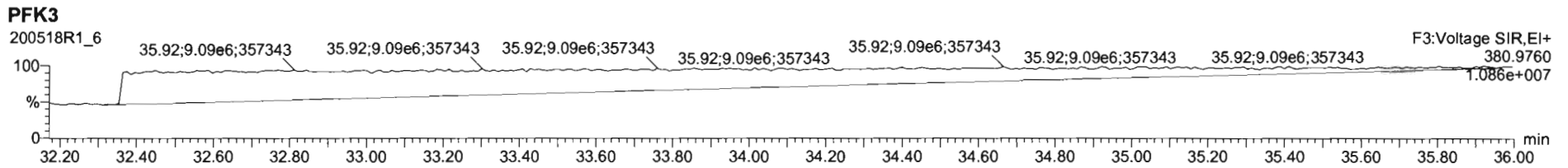
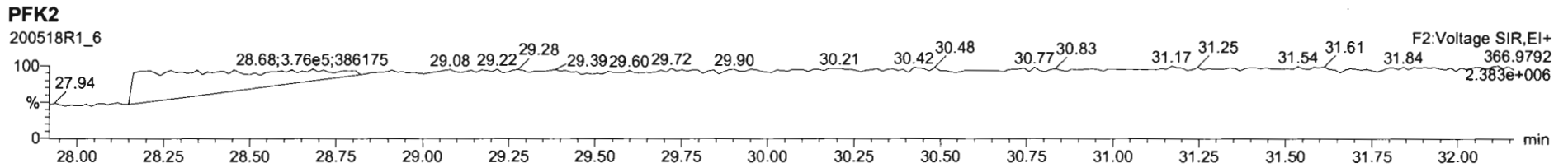
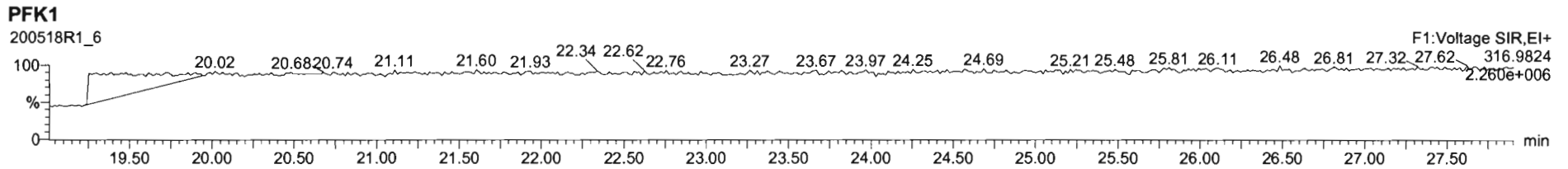
Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-BLK1 Method Blank 10, Description: Method Blank



Dataset: Untitled

Last Altered: Monday, May 18, 2020 14:02:47 Pacific Daylight Time
Printed: Monday, May 18, 2020 14:03:05 Pacific Daylight Time

Name: 200518R1_6, Date: 18-May-2020, Time: 12:17:25, ID: B0E0066-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG12.PRO\Results\200518R1\200518R1-3.qld

Last Altered: Monday, May 18, 2020 14:57:01 Pacific Daylight Time

Printed: Monday, May 18, 2020 14:57:15 Pacific Daylight Time

Geo 05/18/2020

C105/21/2020

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

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

Name: 200518R1_3, Date: 18-May-2020, Time: 09:56:30, ID: B0E0066-BS1 OPR 10, Description: OPR

	# Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	8.53e4	0.71	NO	0.947	10.000	26.066	26.07	1.001	1.001	16.945		0.0959	16.9
2	2 1,2,3,7,8-PeCDD	3.84e5	0.61	NO	0.942	10.000	31.147	31.14	1.001	1.000	88.804		0.186	88.8
3	3 1,2,3,4,7,8-HxCDD	3.22e5	1.26	NO	1.06	10.000	34.516	34.52	1.000	1.000	98.396		0.198	98.4
4	4 1,2,3,6,7,8-HxCDD	3.63e5	1.27	NO	0.915	10.000	34.601	34.61	1.000	1.000	93.676		0.189	93.7
5	5 1,2,3,7,8,9-HxCDD	3.06e5	1.25	NO	0.915	10.000	34.888	34.89	1.000	1.000	92.268		0.229	92.3
6	6 1,2,3,4,6,7,8-HpCDD	2.34e5	1.03	NO	0.898	10.000	38.394	38.39	1.000	1.000	96.558		0.354	96.6
7	7 OCDD	4.11e5	0.88	NO	0.933	10.000	41.354	41.37	1.000	1.000	193.13		0.601	193
8	8 2,3,7,8-TCDF	9.55e4	0.76	NO	0.787	10.000	25.132	25.12	1.001	1.001	18.624		0.0927	18.6
9	9 1,2,3,7,8-PeCDF	5.54e5	1.56	NO	0.910	10.000	29.834	29.83	1.001	1.001	94.763		0.237	94.8
10	10 2,3,4,7,8-PeCDF	5.66e5	1.55	NO	0.966	10.000	30.850	30.83	1.001	1.001	93.432		0.214	93.4
11	11 1,2,3,4,7,8-HxCDF	3.89e5	1.22	NO	0.878	10.000	33.643	33.65	1.000	1.000	105.74		0.263	106
12	12 1,2,3,6,7,8-HxCDF	4.70e5	1.22	NO	0.874	10.000	33.770	33.77	1.000	1.000	108.85		0.242	109
13	13 2,3,4,6,7,8-HxCDF	4.34e5	1.21	NO	0.922	10.000	34.369	34.35	1.001	1.000	106.53		0.256	107
14	14 1,2,3,7,8,9-HxCDF	3.14e5	1.22	NO	0.864	10.000	35.230	35.24	1.000	1.000	100.67		0.403	101
15	15 1,2,3,4,6,7,8-HpCDF	2.96e5	1.01	NO	0.871	10.000	36.992	36.97	1.001	1.000	105.88		0.340	106
16	16 1,2,3,4,7,8,9-HpCDF	2.26e5	1.01	NO	1.01	10.000	38.958	38.98	1.000	1.001	101.41		0.403	101
17	17 OCDF	4.56e5	0.83	NO	0.802	10.000	41.546	41.56	1.000	1.000	209.42		0.366	209
18	18 13C-2,3,7,8-TCDD	1.06e6	0.81	NO	1.16	10.000	26.031	26.03	1.026	1.027	116.87	58.4	0.176	
19	19 13C-1,2,3,7,8-PeCDD	9.17e5	0.63	NO	0.847	10.000	31.123	31.13	1.227	1.227	138.05	69.0	0.251	
20	20 13C-1,2,3,4,7,8-HxCDD	6.15e5	1.30	NO	0.750	10.000	34.506	34.51	1.014	1.014	119.47	59.7	0.346	
21	21 13C-1,2,3,6,7,8-HxCDD	8.47e5	1.30	NO	0.963	10.000	34.618	34.60	1.017	1.017	128.25	64.1	0.270	
22	22 13C-1,2,3,7,8,9-HxCDD	7.25e5	1.26	NO	0.838	10.000	34.887	34.88	1.025	1.025	126.18	63.1	0.310	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.39e5	1.03	NO	0.641	10.000	38.378	38.38	1.128	1.128	122.49	61.2	0.306	
24	24 13C-OCDD	9.12e5	0.91	NO	0.586	10.000	41.372	41.35	1.216	1.215	226.70	56.7	0.360	
25	25 13C-2,3,7,8-TCDF	1.30e6	0.79	NO	1.03	10.000	25.090	25.11	0.989	0.990	111.42	55.7	0.266	
26	26 13C-1,2,3,7,8-PeCDF	1.28e6	1.58	NO	0.845	10.000	29.812	29.81	1.176	1.176	134.35	67.2	0.441	
27	27 13C-2,3,4,7,8-PeCDF	1.25e6	1.56	NO	0.814	10.000	30.803	30.82	1.215	1.215	136.22	68.1	0.458	
28	28 13C-1,2,3,4,7,8-HxCDF	8.38e5	0.51	NO	1.00	10.000	33.645	33.64	0.989	0.989	121.57	60.8	0.387	
29	29 13C-1,2,3,6,7,8-HxCDF	9.89e5	0.51	NO	1.14	10.000	33.767	33.76	0.992	0.992	126.75	63.4	0.342	
30	30 13C-2,3,4,6,7,8-HxCDF	8.84e5	0.51	NO	1.02	10.000	34.336	34.33	1.009	1.009	125.97	63.0	0.380	
31	31 13C-1,2,3,7,8,9-HxCDF	7.21e5	0.50	NO	0.845	10.000	35.227	35.23	1.035	1.035	124.43	62.2	0.460	

Dataset: U:\VG12.PRO\Results\200518R1\200518R1-3.qld

Last Altered: Monday, May 18, 2020 14:57:01 Pacific Daylight Time

Printed: Monday, May 18, 2020 14:57:15 Pacific Daylight Time

Name: 200518R1_3, Date: 18-May-2020, Time: 09:56:30, ID: B0E0066-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.41e5	0.43	NO	0.771	10.000	36.959	36.96	1.086	1.086	121.10	60.5	0.347	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.41e5	0.42	NO	0.482	10.000	38.970	38.96	1.145	1.145	133.33	66.7	0.556	
34	34 13C-OCDF	1.09e6	0.85	NO	0.669	10.000	41.542	41.55	1.221	1.221	236.72	59.2	0.314	
35	35 37Cl-2,3,7,8-TCDD	4.03e5			1.10	10.000	26.061	26.07	1.028	1.028	46.841	58.6	0.0412	
36	36 13C-1,2,3,4-TCDD	1.57e6	0.81	NO	1.00	10.000	25.350	25.36	1.000	1.000	200.00	100	0.205	
37	37 13C-1,2,3,4-TCDF	2.26e6	0.79	NO	1.00	10.000	23.560	23.58	1.000	1.000	200.00	100	0.275	
38	38 13C-1,2,3,4,6,9-HxCDF	1.37e6	0.52	NO	1.00	10.000	34.000	34.03	1.000	1.000	200.00	100	0.389	

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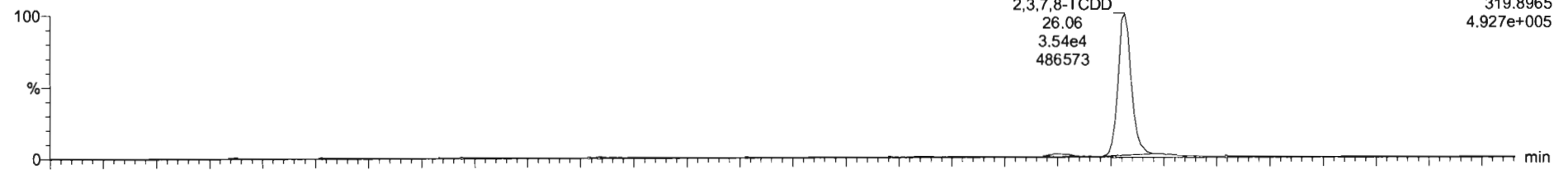
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Printed: Monday, May 18, 2020 14:02:15 Pacific Daylight Time

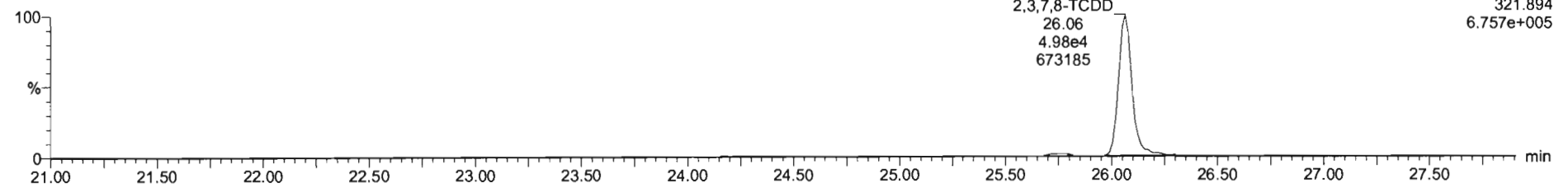
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2,3,7,8-TCDD

200518R1_3

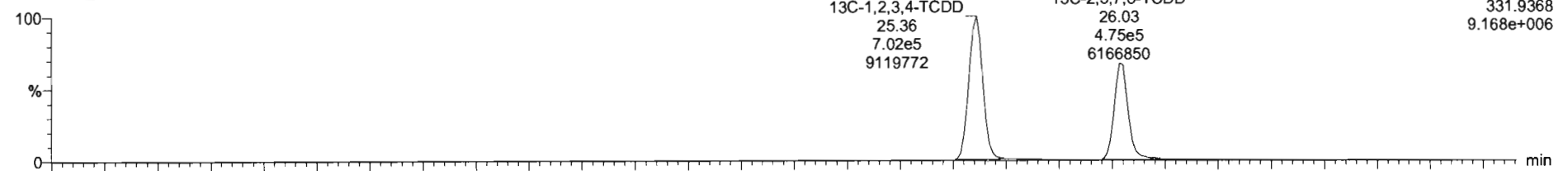


200518R1_3

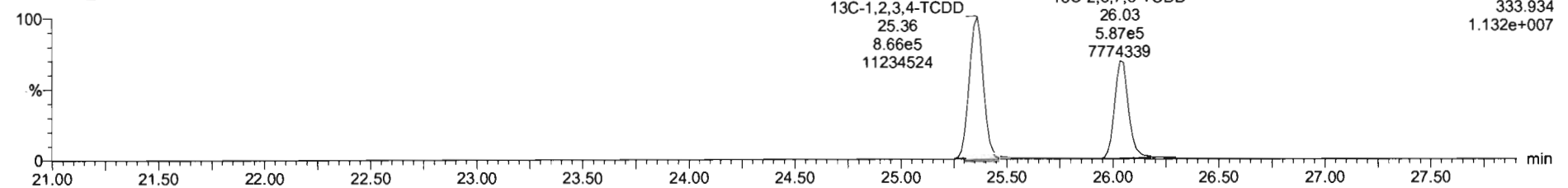


13C-2,3,7,8-TCDD

200518R1_3



200518R1_3



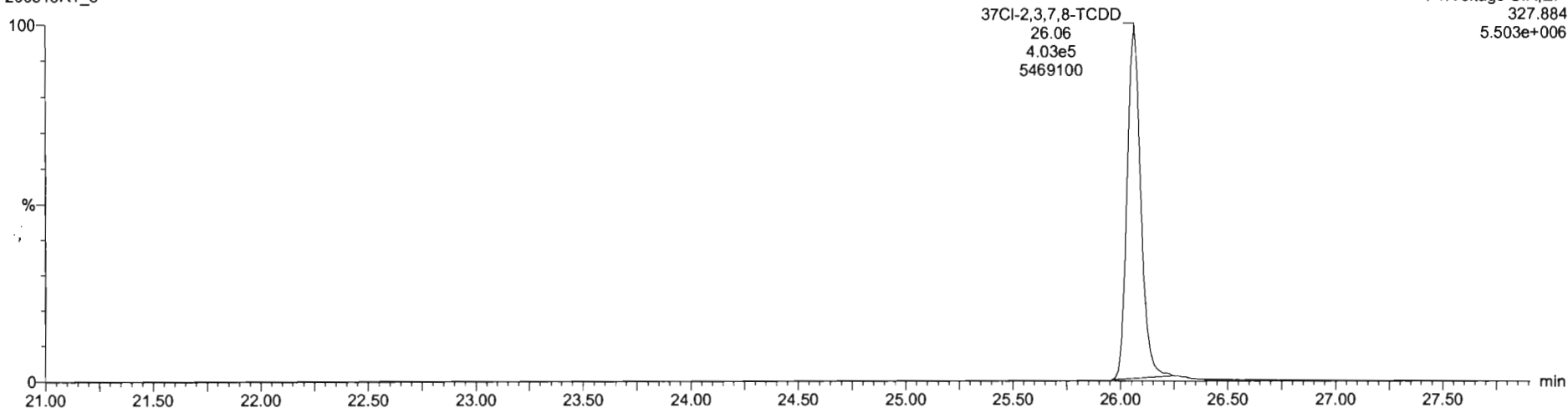
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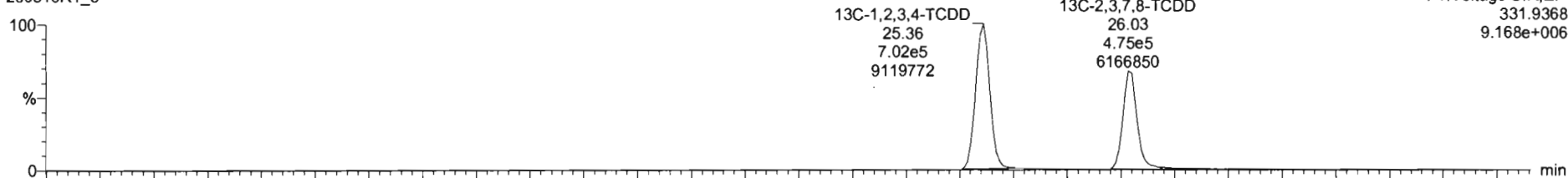
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200518R1_3

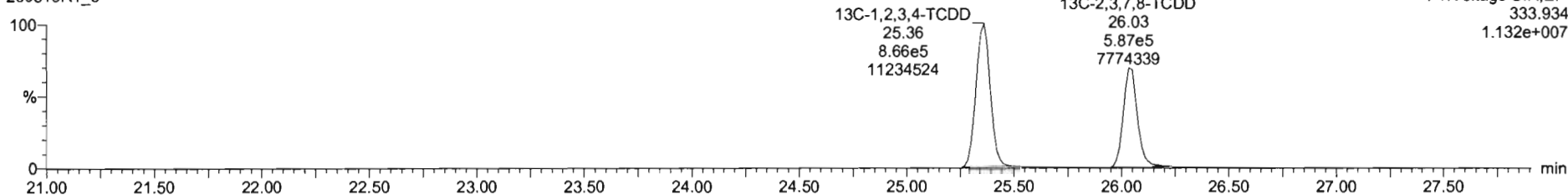


13C-1,2,3,4-TCDD

200518R1_3



200518R1_3



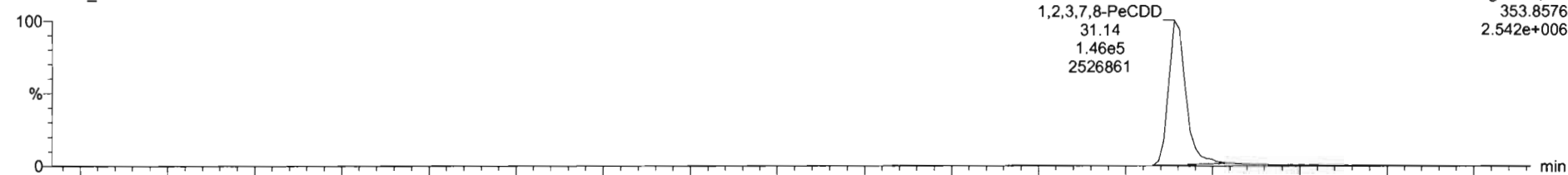
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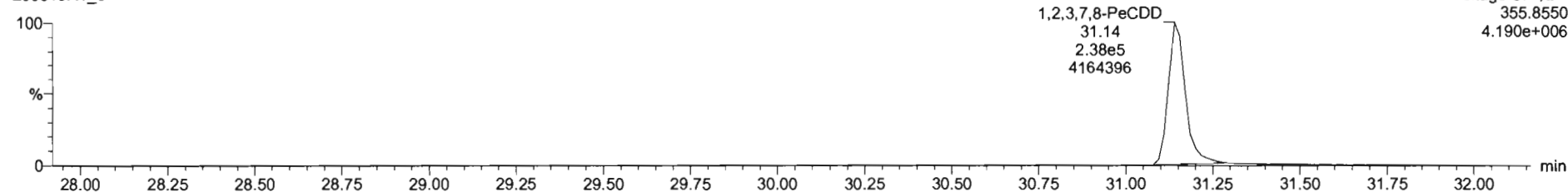
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1,2,3,7,8-PeCDD

200518R1_3

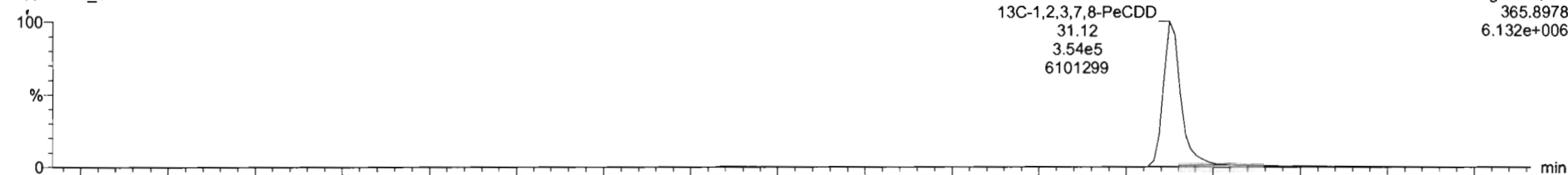


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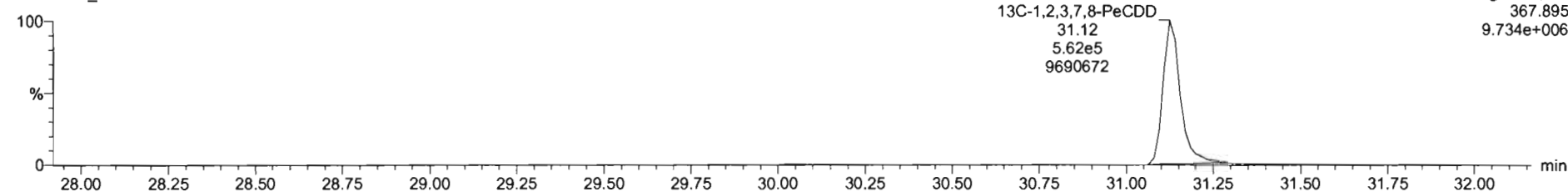


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200518R1_3



200518R1_3



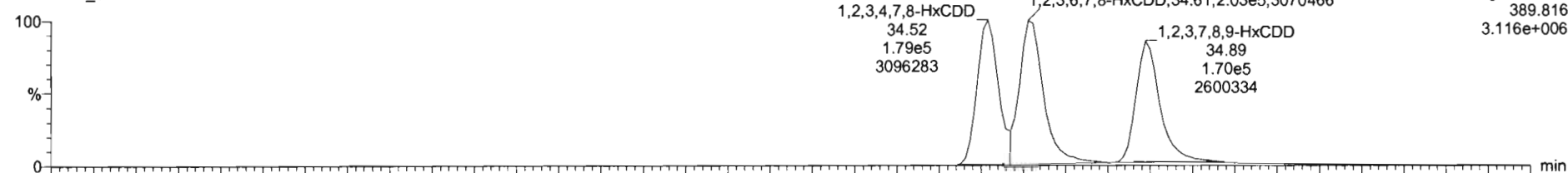
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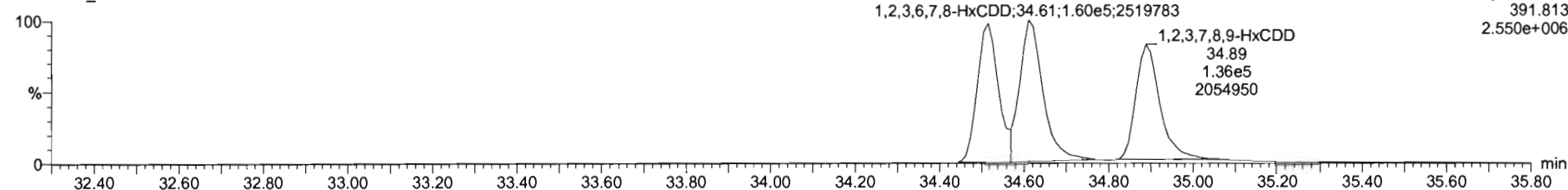
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1,2,3,4,7,8-HxCDD

200518R1_3

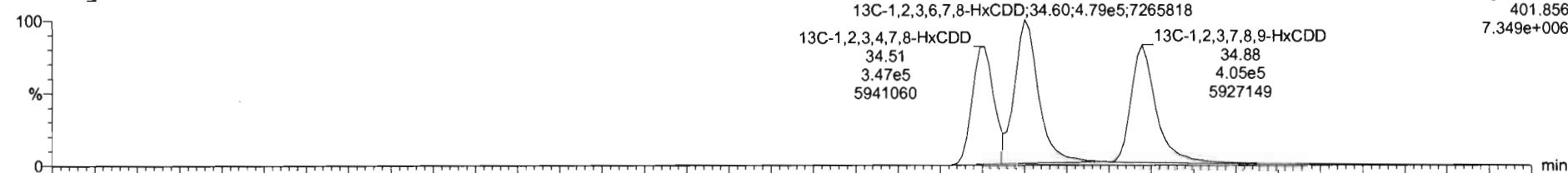


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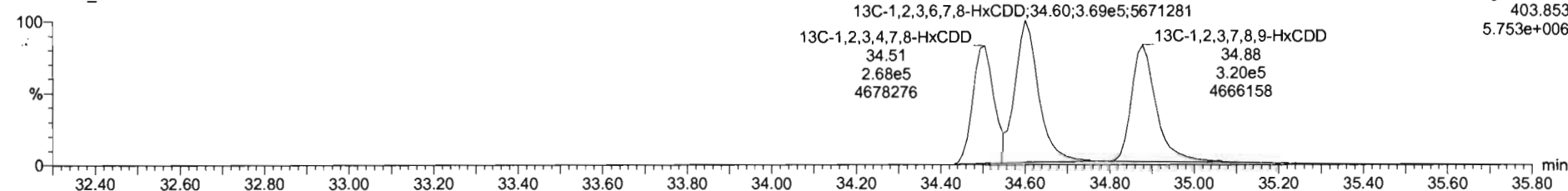


13C-1,2,3,4,7,8-HxCDD

200518R1_3



200518R1_3



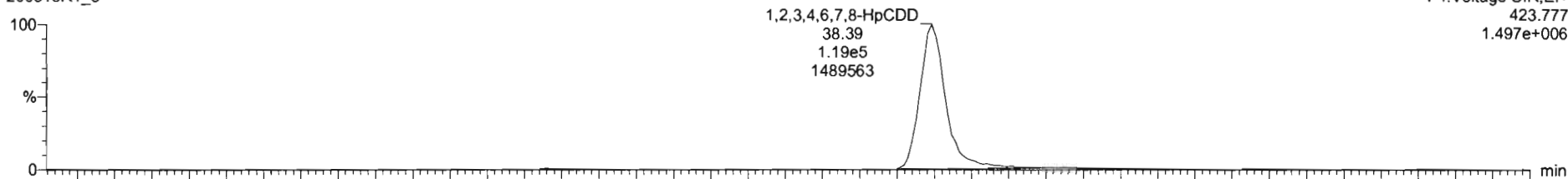
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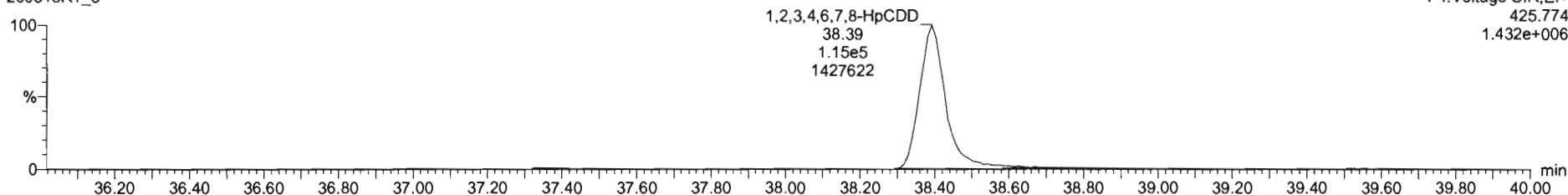
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1,2,3,4,6,7,8-HpCDD

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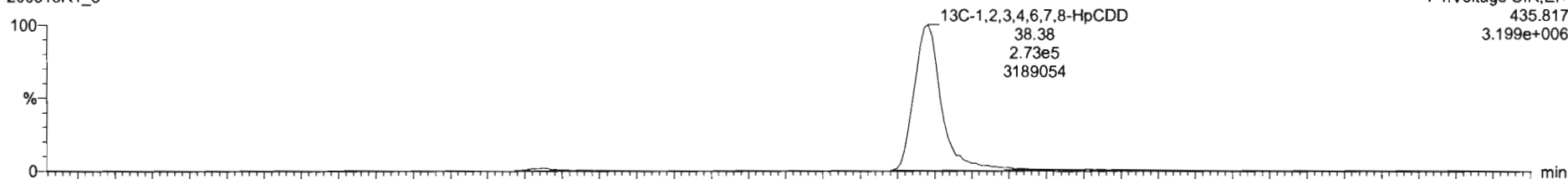


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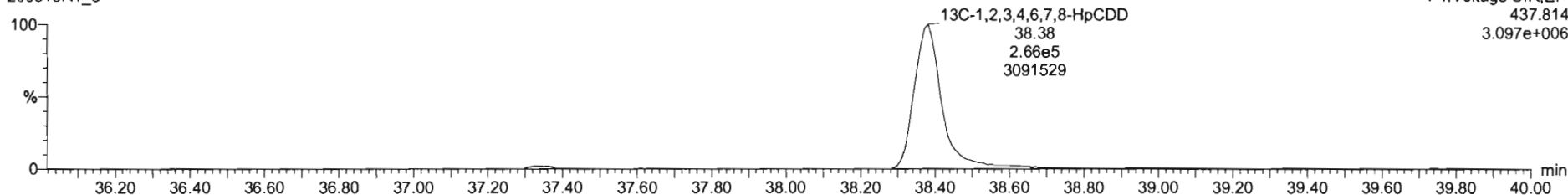


13C-1,2,3,4,6,7,8-HpCDD

200518R1_3



200518R1_3



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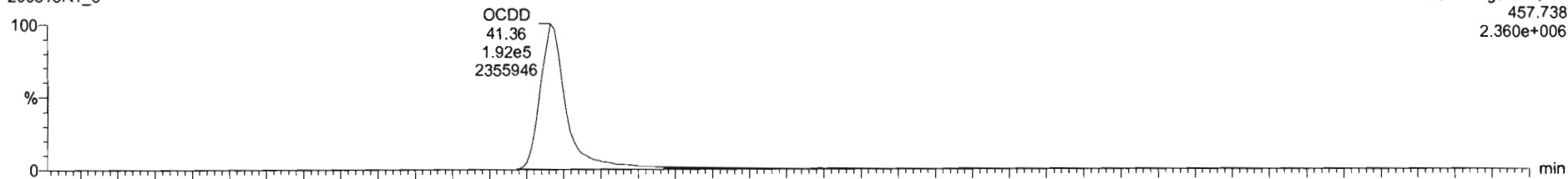
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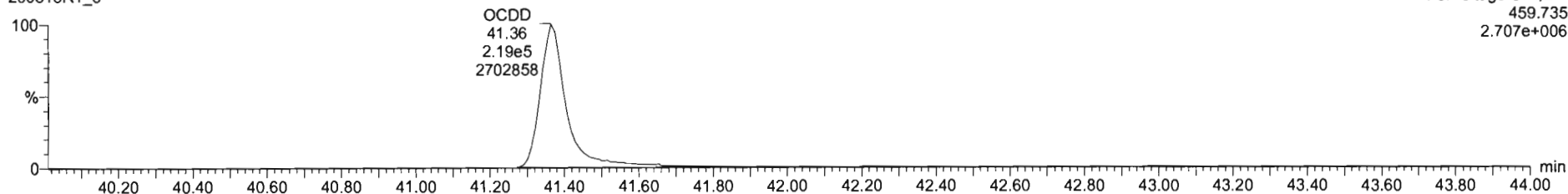
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OCDD

200518R1_3



200518R1_3

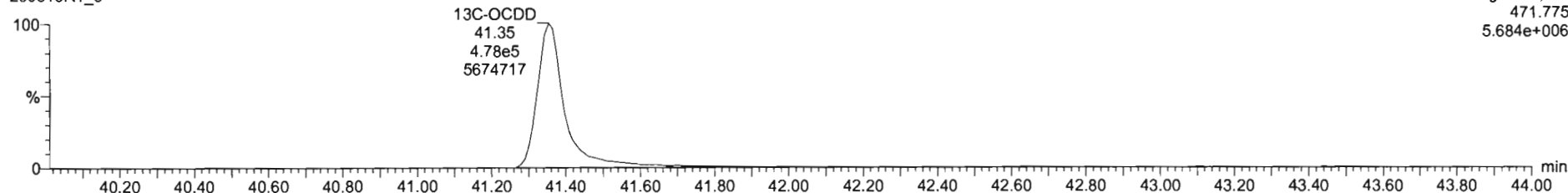


13C-OCDD

200518R1_3



200518R1_3



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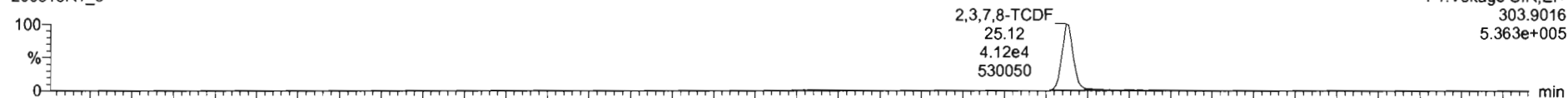
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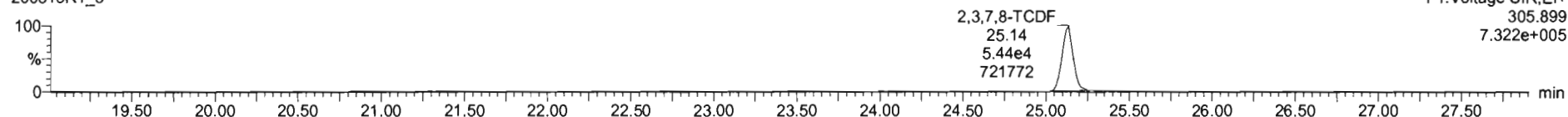
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2,3,7,8-TCDF

200518R1_3

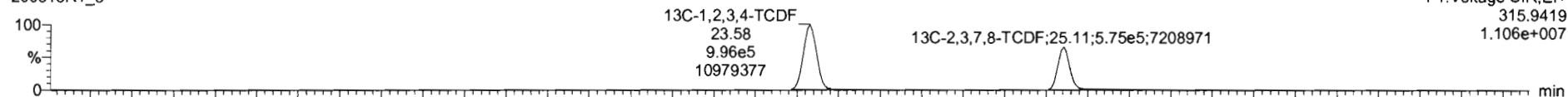


200518R1_3

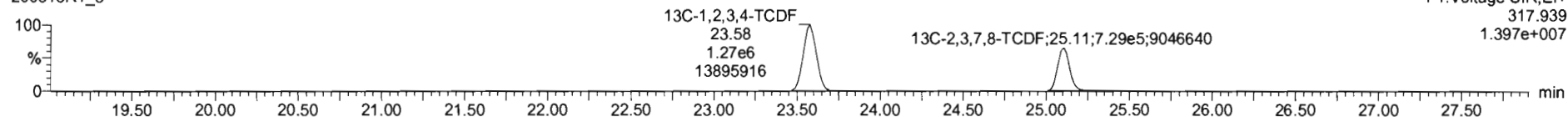


13C-2,3,7,8-TCDF

200518R1_3

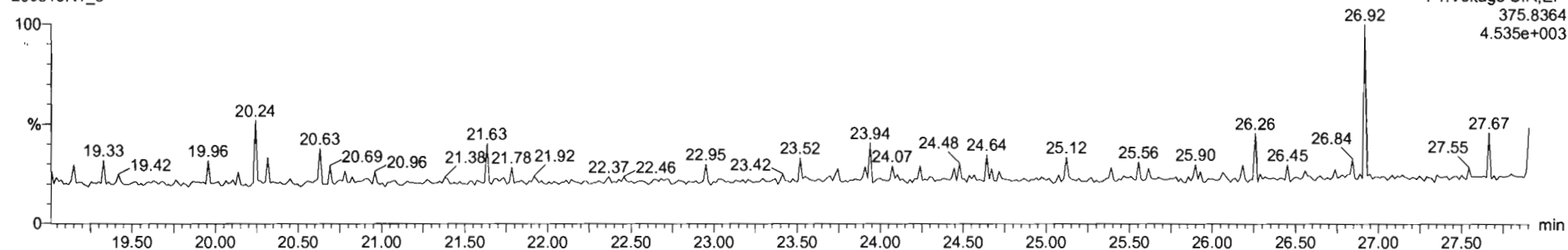


200518R1_3



DPE1

200518R1_3



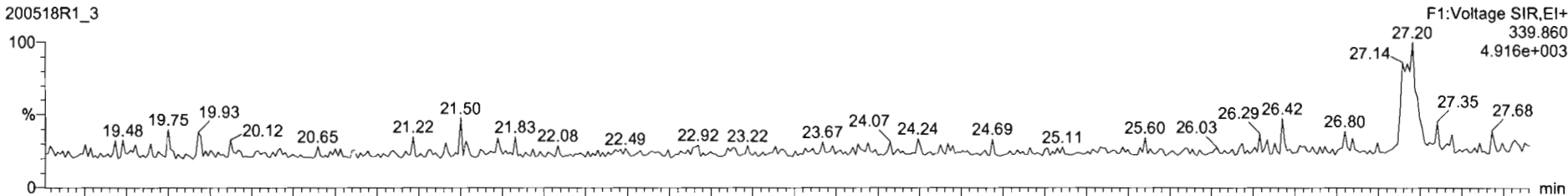
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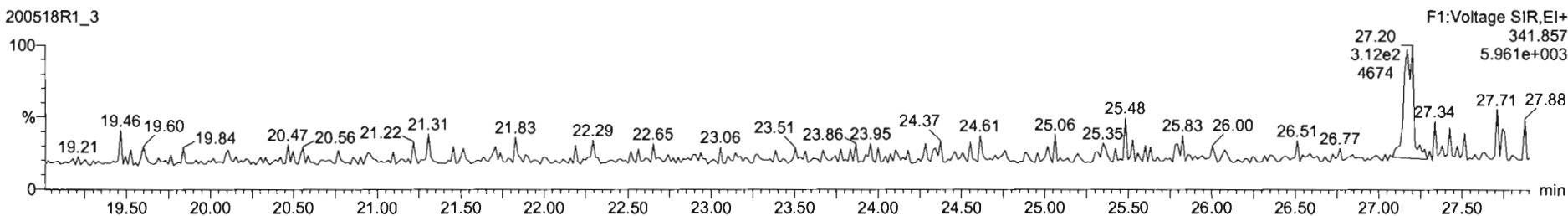
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200518R1_3

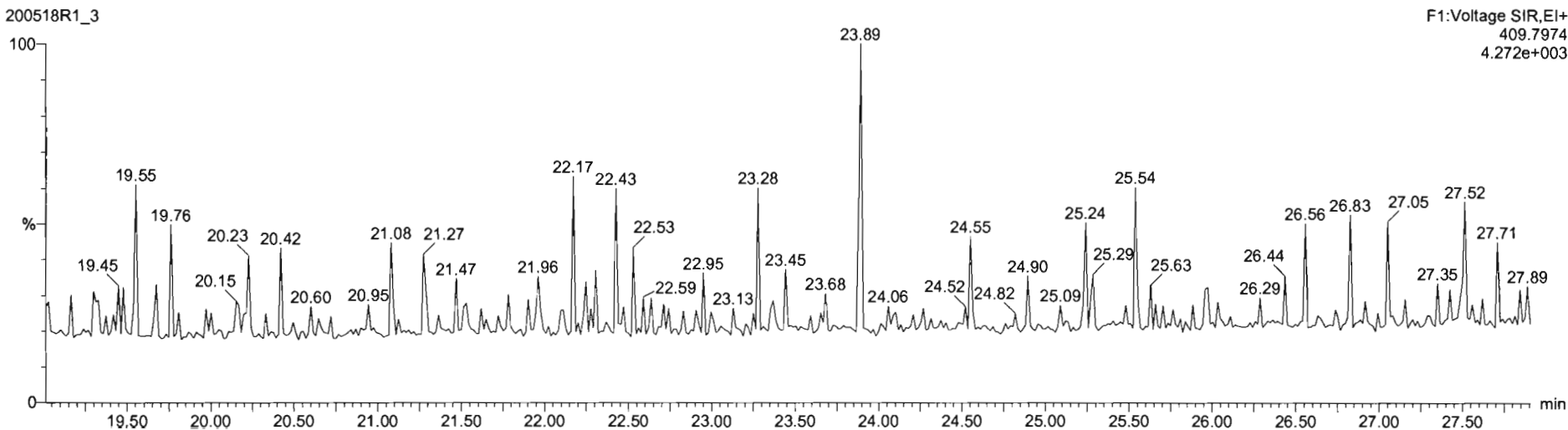


200518R1_3



DPE6

200518R1_3



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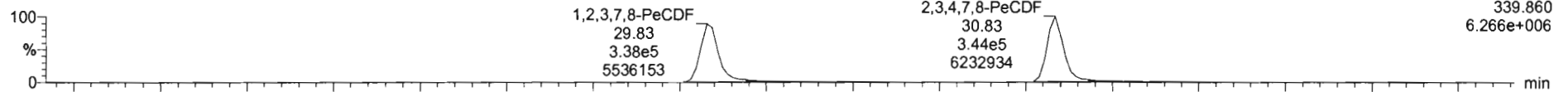
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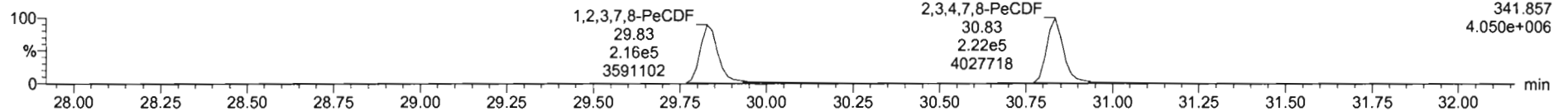
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1,2,3,7,8-PeCDF

200518R1_3

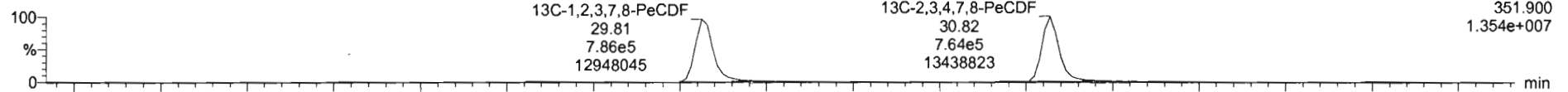


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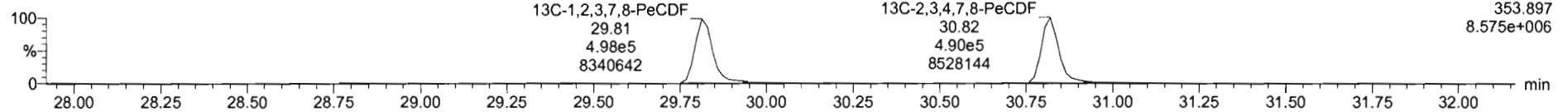


13C-1,2,3,7,8-PeCDF

200518R1_3

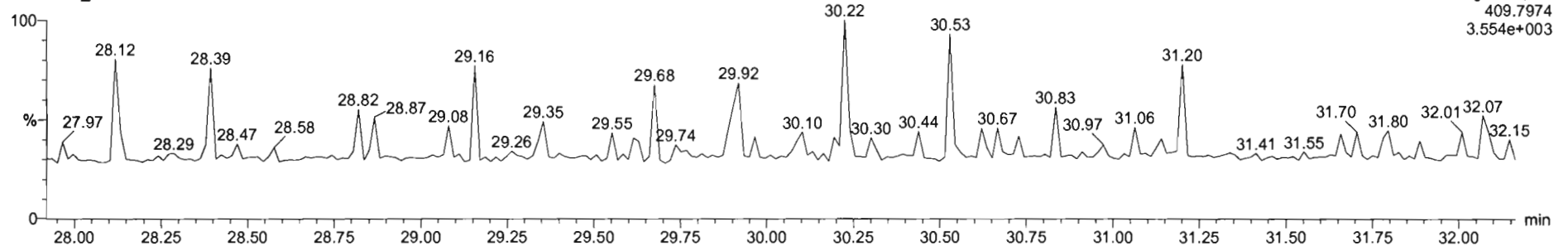


200518R1_3



DPE2

200518R1_3



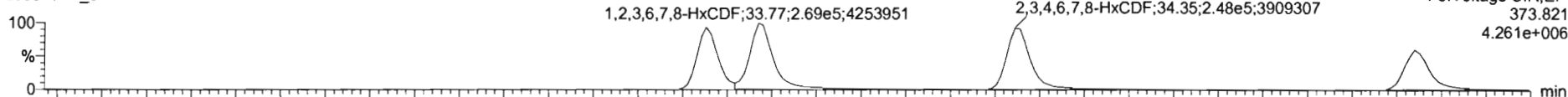
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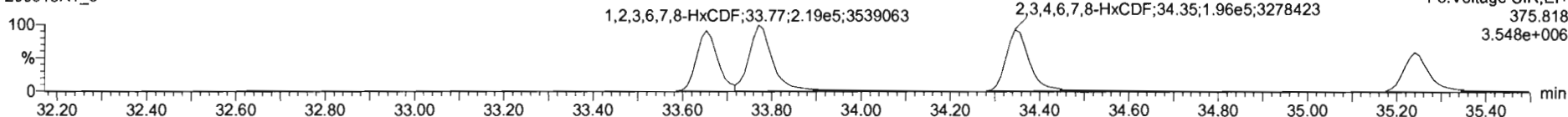
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1,2,3,4,7,8-HxCDF

200518R1_3

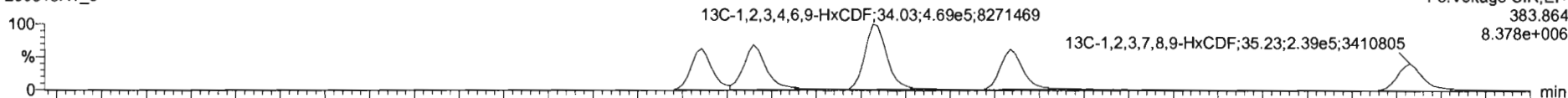


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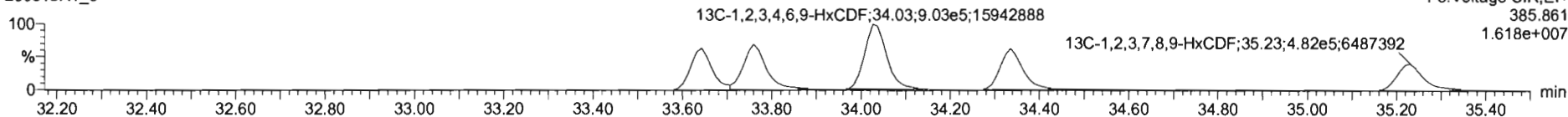


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200518R1_3

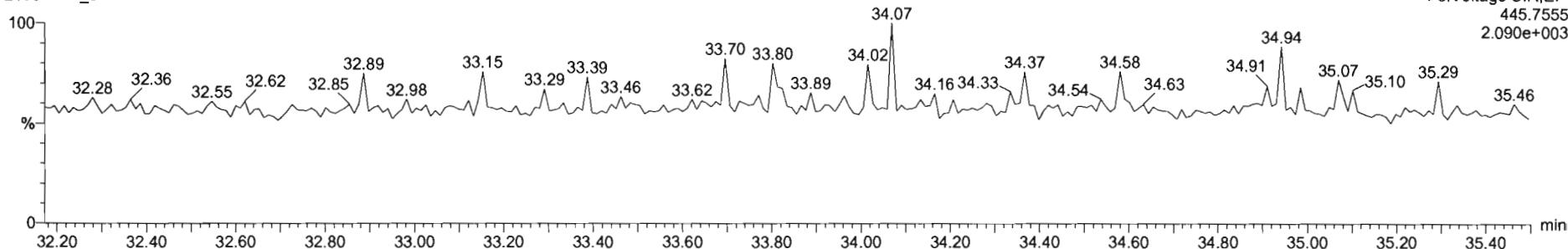


200518R1_3



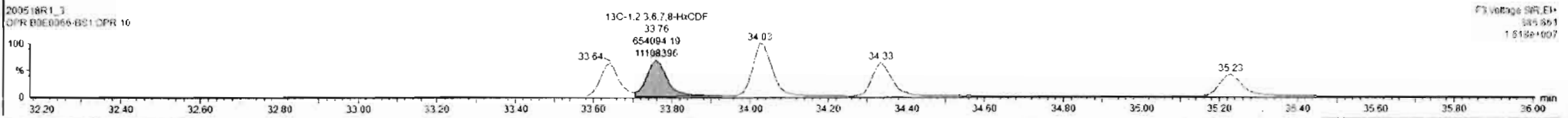
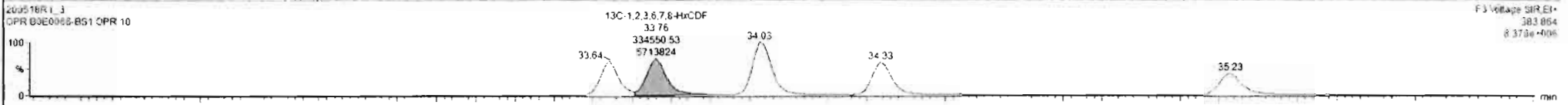
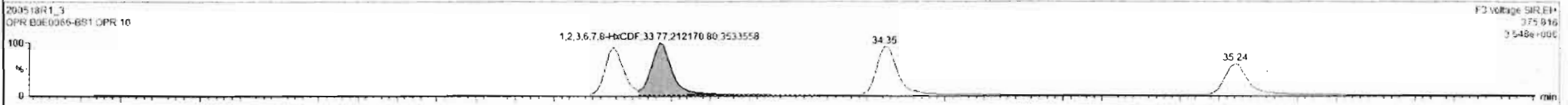
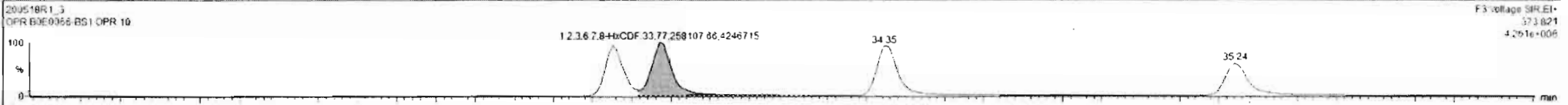
DPE3

200518R1_3



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13	2,3,4,6,7,8-HxCDF	4.44e5	1.26	NO	0.9217	10.000	34.35	1.000	109		0.256	109

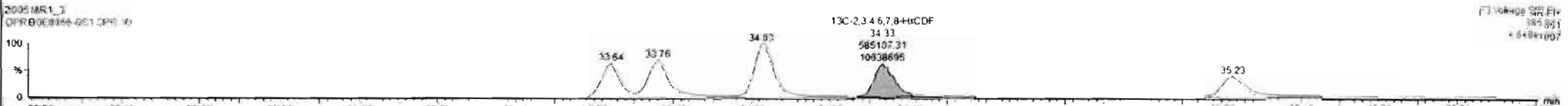
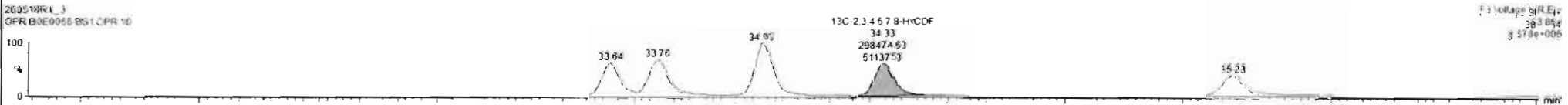
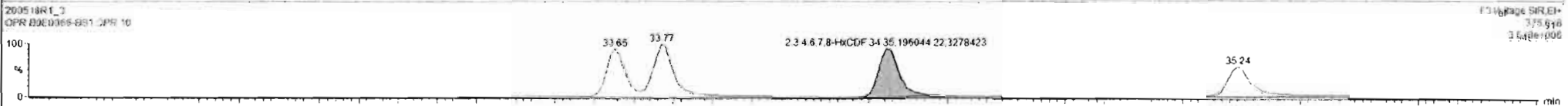
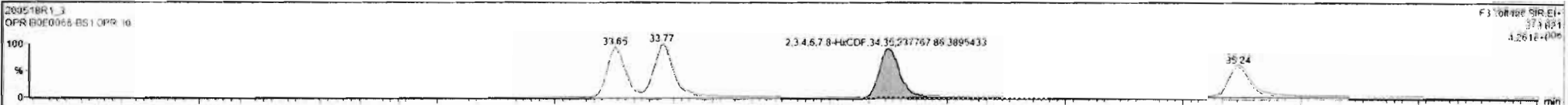
ID	Name	RT	m1 Resp	m2 Resp	RA	nBy	EMPC	Conc.
1								



Custom Reporting: Select reports to generate

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
12 1,2,3,6,7,8-HxCDF	4.78e5	1.22	NO	0.8740	10.000	33.77	1.000	109		0.242	109
13 2,3,4,6,7,8-HxCDF	4.34e5	1.21	NO	0.9217	10.000	34.35	1.000	107		0.256	107

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



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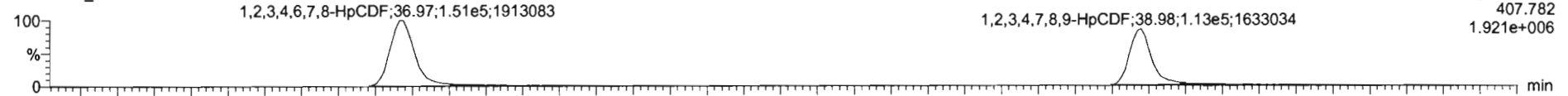
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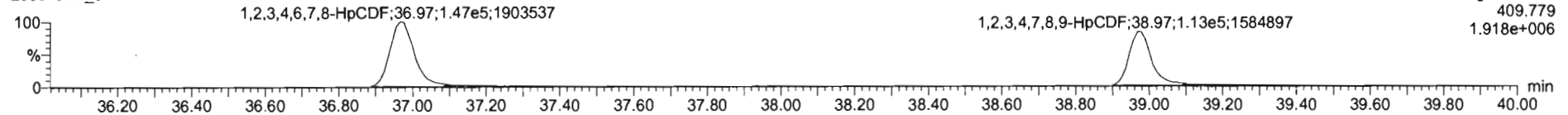
1,2,3,4,6,7,8-HpCDF

200518R1_3



F4:Voltage SIR,EI+
407.782
1.921e+006

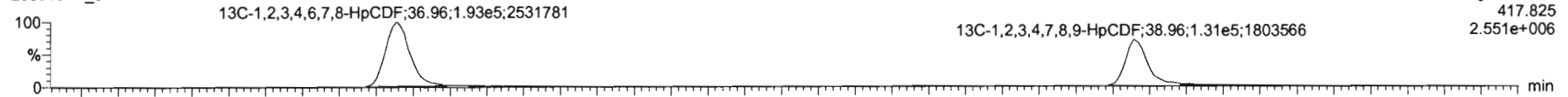
200518R1_3



F4:Voltage SIR,EI+
409.779
1.918e+006

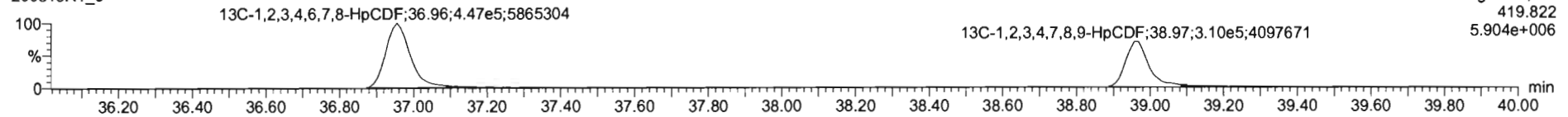
13C-1,2,3,4,6,7,8-HpCDF

200518R1_3



F4:Voltage SIR,EI+
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2.551e+006

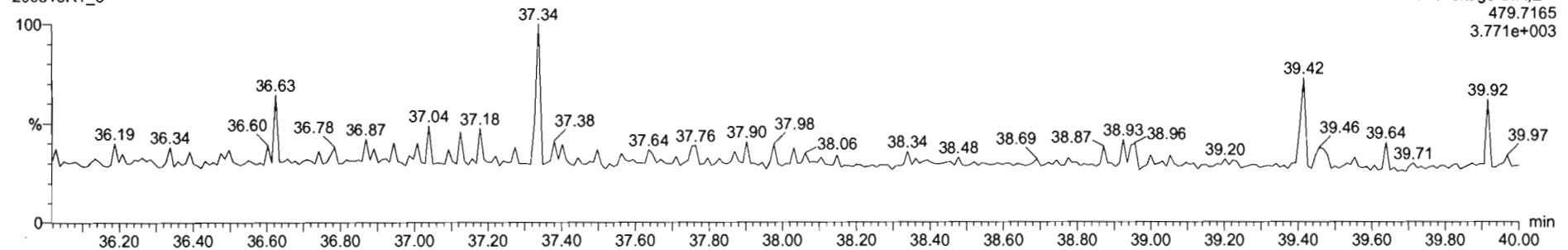
200518R1_3



F4:Voltage SIR,EI+
419.822
5.904e+006

DPE4

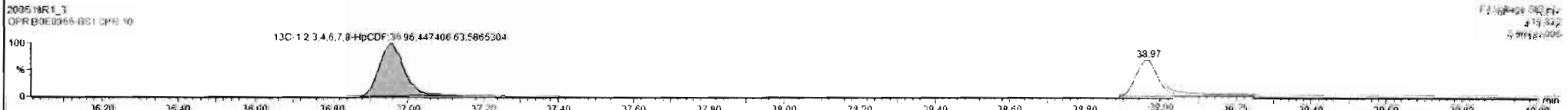
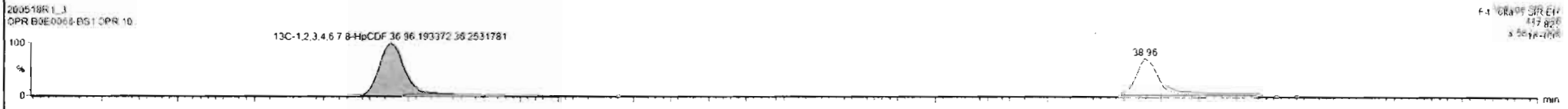
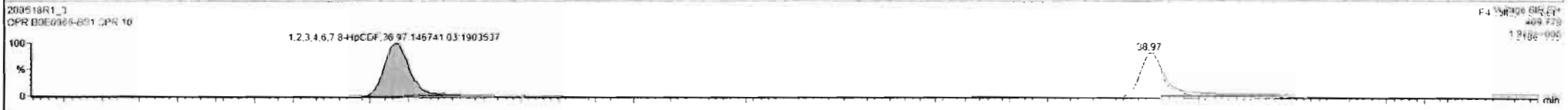
200518R1_3



F4:Voltage SIR,EI+
479.7165
3.771e+003

SI	Name	Resp	RA	nly	RRF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
15	1,2,3,4,6,7,8-HpCDF	2.96e5	1.01	NO	0.6712	10.000	36.97	1.000	100		0.340	100
16	1,2,3,4,7,8,9-HpCDF	2.26e5	1.01	NO	1.0116	10.000	38.98	1.001	101		0.403	101

SI	Name	RT	n1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1								

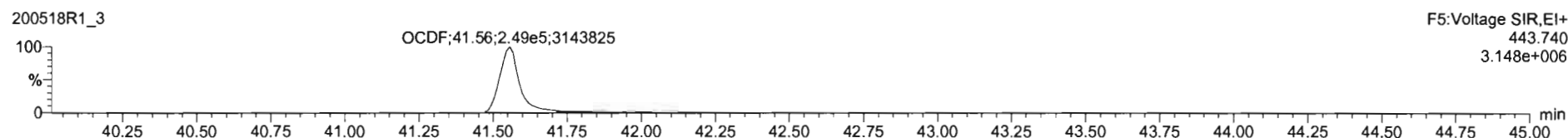
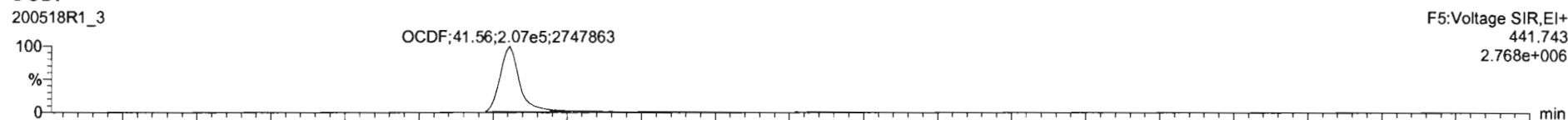


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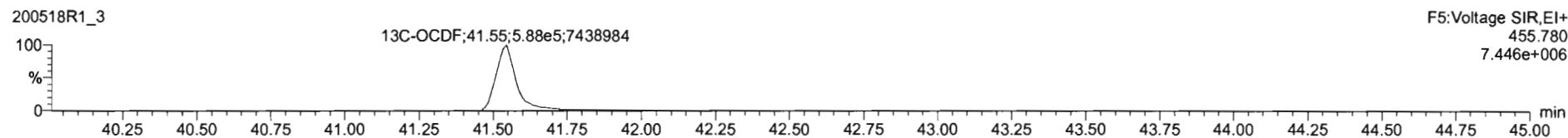
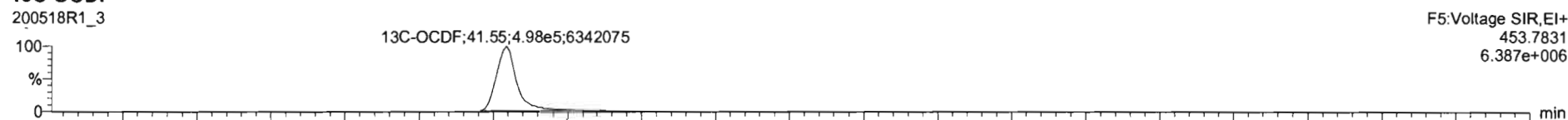
Last Altered: Monday, May 18, 2020 14:01:40 Pacific Daylight Time
Printed: Monday, May 18, 2020 14:02:15 Pacific Daylight Time

Name: 200518R1_3, Date: 18-May-2020, Time: 09:56:30, ID: B0E0066-BS1 OPR 10, Description: OPR

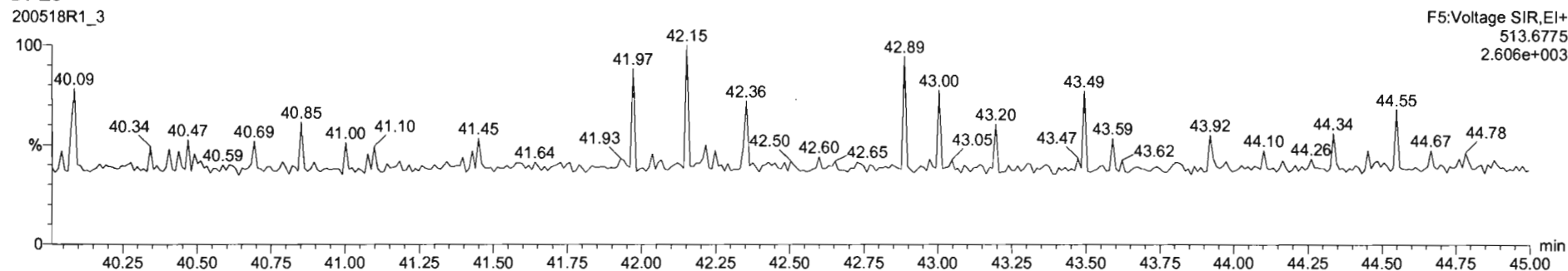
OCDF



13C-OCDF



DPE5

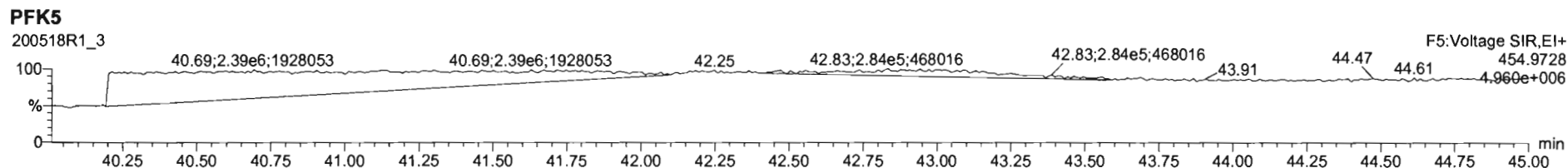
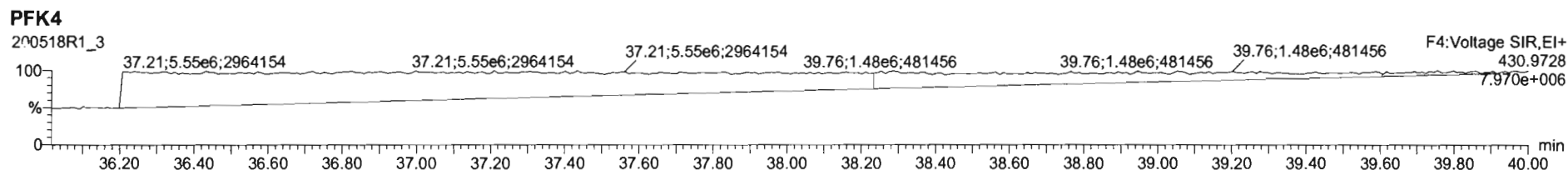
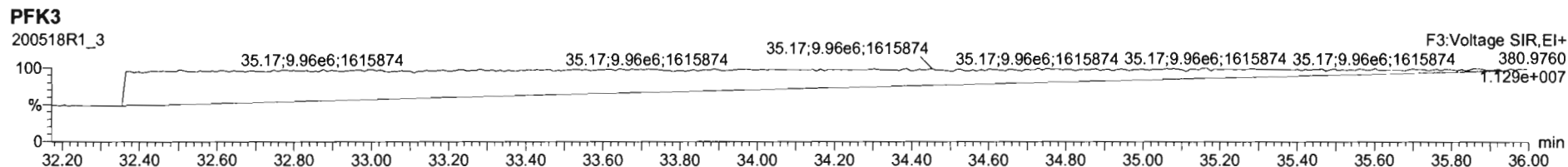
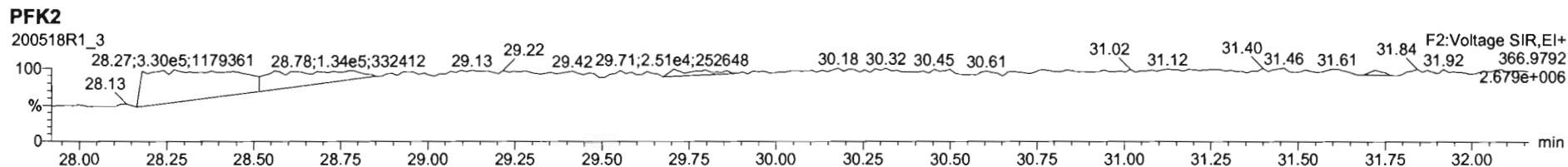
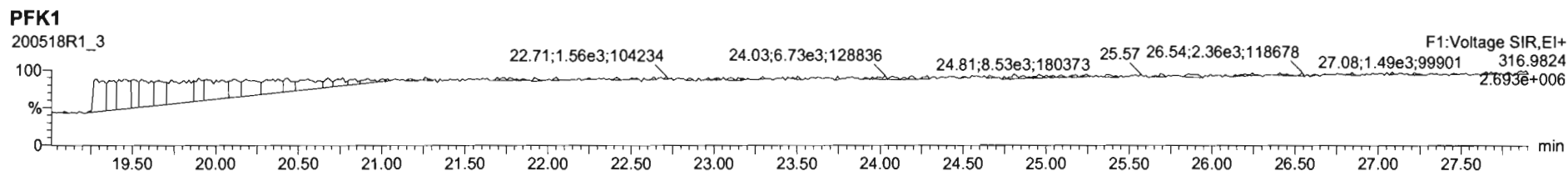


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Last Altered: Monday, May 18, 2020 14:01:40 Pacific Daylight Time

Printed: Monday, May 18, 2020 14:02:15 Pacific Daylight Time

Name: 200518R1_3, Date: 18-May-2020, Time: 09:56:30, ID: B0E0066-BS1 OPR 10, Description: OPR



Dataset: U:\VG7.PRO\Results\200616D1\200616D1_9.qld

Last Altered: Wednesday, June 17, 2020 11:10:17 Pacific Daylight Time
Printed: Wednesday, June 17, 2020 11:11:12 Pacific Daylight Time

DB 6/17/20 CT 07/08/2020

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

Name: 200616D1_9, Date: 16-Jun-2020, Time: 18:53:36, ID: B0F0043-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Res	DL
1	2,3,7,8-TCDD			NO	0.986	1.000	26.112		1.001				1.07
2	1,2,3,7,8-PeCDD			NO	0.964	1.000	30.649		1.001				1.71
3	1,2,3,4,7,8-HxCDD			NO	1.16	1.000	33.971		1.000				1.87
4	1,2,3,6,7,8-HxCDD			NO	1.01	1.000	34.070		1.000				1.89
5	1,2,3,7,8,9-HxCDD			NO	1.01	1.000	34.401		1.001				2.01
6	1,2,3,4,6,7,8-HpCDD			NO	0.997	1.000	37.889		1.000				1.67
7	OCDD			NO	1.01	1.000	41.181		1.000				3.20
8	2,3,7,8-TCDF			NO	0.833	1.000	25.296		1.001				0.976
9	1,2,3,7,8-PeCDF			NO	0.965	1.000	29.462		1.001				0.776
10	2,3,4,7,8-PeCDF			NO	1.01	1.000	30.377		1.001				0.706
11	1,2,3,4,7,8-HxCDF			NO	1.09	1.000	33.072		1.000				0.657
12	1,2,3,6,7,8-HxCDF			NO	1.07	1.000	33.203		1.000				0.597
13	2,3,4,6,7,8-HxCDF			NO	1.15	1.000	33.830		1.001				0.626
14	1,2,3,7,8,9-HxCDF			NO	1.11	1.000	34.740		1.000				0.884
15	1,2,3,4,6,7,8-HpCDF			NO	1.16	1.000	36.631		1.001				0.821
16	1,2,3,4,7,8,9-HpCDF			NO	1.35	1.000	38.427		1.000				0.880
17	OCDF			NO	0.949	1.000	41.400		1.000				1.47
18	13C-2,3,7,8-TCDD	1.40e5	0.77	NO	1.26	1.000	26.163	26.08	1.026	1.023	1792.2	89.6	8.54
19	13C-1,2,3,7,8-PeCDD	1.13e5	0.63	NO	0.921	1.000	30.651	30.63	1.202	1.201	1976.3	98.8	5.14
20	13C-1,2,3,4,7,8-HxCDD	9.29e4	1.29	NO	0.707	1.000	33.947	33.96	1.014	1.014	1803.9	90.2	6.05
21	13C-1,2,3,6,7,8-HxCDD	1.11e5	1.26	NO	0.829	1.000	34.057	34.07	1.017	1.018	1839.4	92.0	5.16
22	13C-1,2,3,7,8,9-HxCDD	1.07e5	1.25	NO	0.808	1.000	34.328	34.37	1.025	1.027	1814.3	90.7	5.30
23	13C-1,2,3,4,6,7,8-HpCDD	8.32e4	1.04	NO	0.662	1.000	37.797	37.88	1.129	1.131	1726.6	86.3	7.30
24	13C-OCDD	1.34e5	0.90	NO	0.608	1.000	40.823	41.18	1.219	1.230	3028.5	75.7	6.59
25	13C-2,3,7,8-TCDF	2.01e5	0.78	NO	1.07	1.000	25.245	25.27	0.990	0.991	1769.2	88.5	4.69
26	13C-1,2,3,7,8-PeCDF	1.86e5	1.62	NO	0.826	1.000	29.470	29.44	1.156	1.155	2109.6	105	5.32
27	13C-2,3,4,7,8-PeCDF	1.83e5	1.65	NO	0.796	1.000	30.370	30.35	1.191	1.190	2161.0	108	5.52
28	13C-1,2,3,4,7,8-HxCDF	1.34e5	0.51	NO	1.08	1.000	33.076	33.07	0.988	0.988	1717.0	85.8	5.83
29	13C-1,2,3,6,7,8-HxCDF	1.41e5	0.50	NO	1.12	1.000	33.210	33.19	0.992	0.991	1718.0	85.9	5.57
30	13C-2,3,4,6,7,8-HxCDF	1.32e5	0.50	NO	1.02	1.000	33.783	33.80	1.009	1.009	1766.3	88.3	6.11
31	13C-1,2,3,7,8,9-HxCDF	1.16e5	0.49	NO	0.887	1.000	34.683	34.74	1.036	1.038	1801.7	90.1	7.07

Dataset: U:\VG7.PRO\Results\200616D1\200616D1_9.qld

Last Altered: Wednesday, June 17, 2020 11:10:17 Pacific Daylight Time

Printed: Wednesday, June 17, 2020 11:11:12 Pacific Daylight Time

Name: 200616D1_9, Date: 16-Jun-2020, Time: 18:53:36, ID: B0F0043-BLK1 Method Blank 10, Description: Method Blank

Name	Resp	RA	n/y	RRF	w/vol	Prod.RT	RT	RRF	RT	Conc	RA	DL	EMPC
32 13C-1,2,3,4,6,7,8-HpCDF	1.05e5	0.44	NO	0.811	1.000	36.391	36.59	1.087	1.093	1775.7	88.8	7.06	
33 13C-1,2,3,4,7,8,9-HpCDF	7.70e4	0.45	NO	0.598	1.000	38.399	38.43	1.147	1.148	1767.4	88.4	9.57	
34 13C-OCDF	1.59e5	0.89	NO	0.752	1.000	40.977	41.40	1.224	1.237	2909.7	72.7	5.28	
35 37Cl-2,3,7,8-TCDD	5.72e4			1.24	1.000	26.160	26.10	1.026	1.023	742.27	92.8	0.874	
36 13C-1,2,3,4-TCDD	1.24e5	0.80	NO	1.00	1.000	25.480	25.50	1.000	1.000	2000.0	100	10.8	
37 13C-1,2,3,4-TCDF	2.13e5	0.78	NO	1.00	1.000	24.020	24.05	1.000	1.000	2000.0	100	5.00	
38 13C-1,2,3,4,6,9-HxCDF	1.46e5	0.50	NO	1.00	1.000	33.530	33.48	1.000	1.000	2000.0	100	6.27	
39 Total Tetra-Dioxins				0.986	1.000	24.620		0.000				0.738	
40 Total Penta-Dioxins				0.964	1.000	29.960		0.000				0.800	
41 Total Hexa-Dioxins				1.01	1.000	33.635		0.000				1.07	
42 Total Hepta-Dioxins				0.997	1.000	37.640		0.000				1.09	
43 Total Tetra-Furans				0.833	1.000	23.610		0.000		0.00000		0.479	2.11
44 1st Func. Penta-Furans				0.965	1.000	27.090		0.000				0.127	
45 Total Penta-Furans				0.965	1.000	29.275		0.000				0.313	
46 Total Hexa-Furans				1.15	1.000	33.555		0.000				0.438	
47 Total Hepta-Furans				1.16	1.000	37.835		0.000				0.550	

Dataset: U:\VG7.PRO\Results\200616D1\200616D1_9.qld

Last Altered: Wednesday, June 17, 2020 11:10:17 Pacific Daylight Time
 Printed: Wednesday, June 17, 2020 11:11:12 Pacific Daylight Time

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

Name: 200616D1_9, Date: 16-Jun-2020, Time: 18:53:36, ID: B0F0043-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

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
Total Tetra-Furans	25.52	2.114e3	1.330e3	1.162e2	1.001e2	1.16	YES	0.000e0	0.00000	2.1131	0.479

Penta-Furans function 1

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

Dataset: U:\VG7.PRO\Results\200616D1\200616D1_9.qld

Last Altered: Wednesday, June 17, 2020 11:10:17 Pacific Daylight Time
Printed: Wednesday, June 17, 2020 11:11:12 Pacific Daylight Time

Name: 200616D1_9, Date: 16-Jun-2020, Time: 18:53:36, ID: B0F0043-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

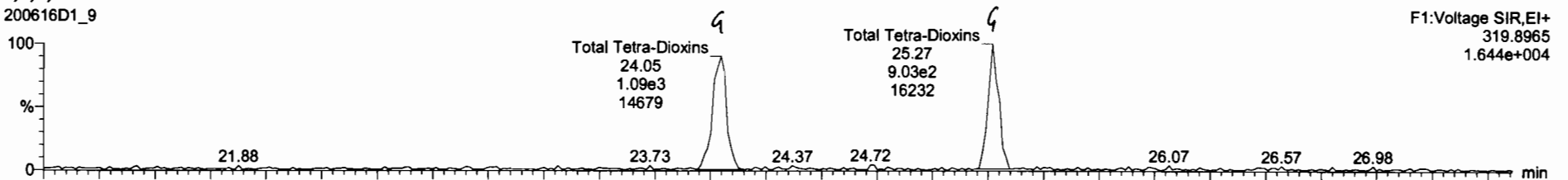
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Printed: Wednesday, June 17, 2020 11:07:43 Pacific Daylight Time

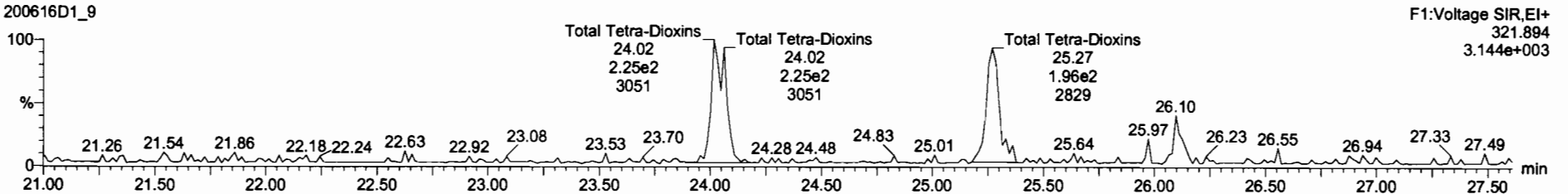
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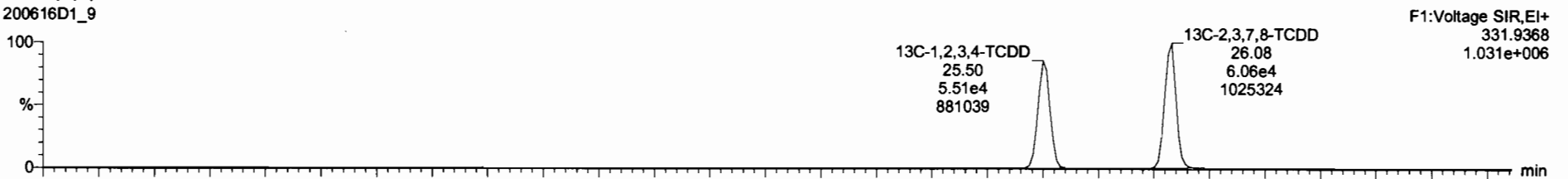
2,3,7,8-TCDD
200616D1_9



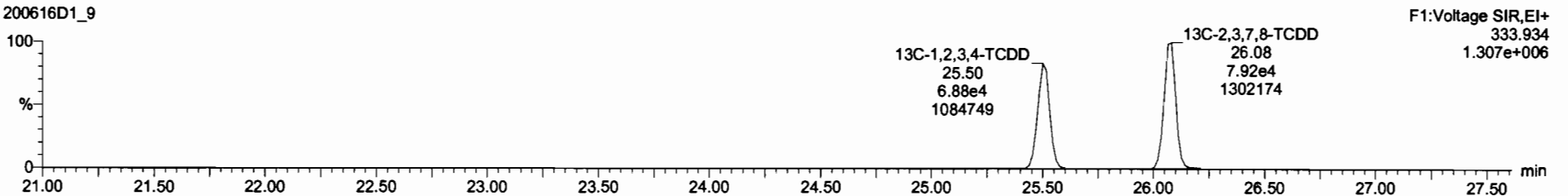
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13C-2,3,7,8-TCDD
200616D1_9



200616D1_9



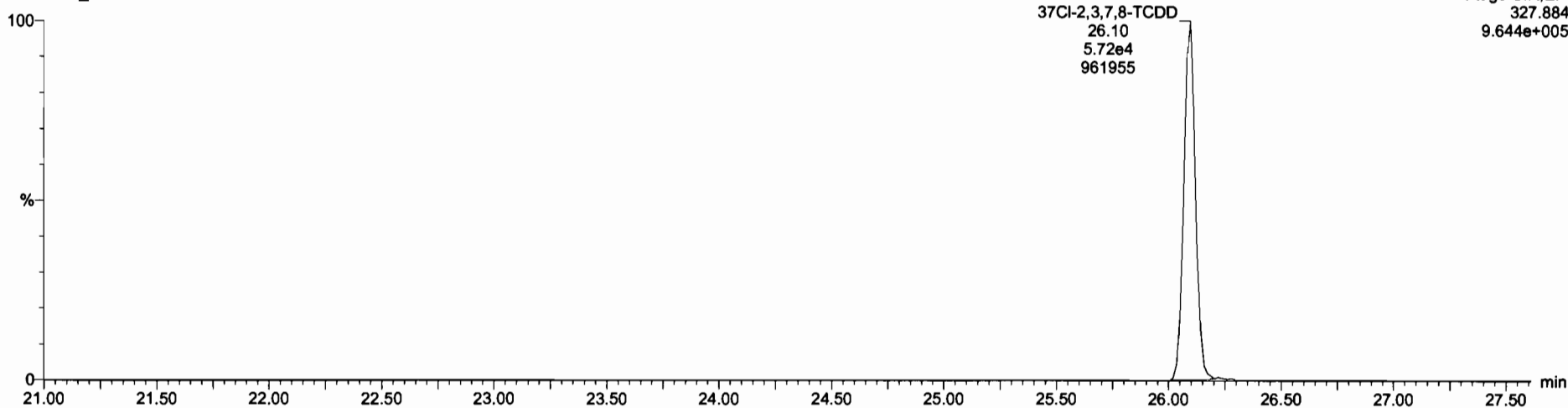
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Printed: Wednesday, June 17, 2020 11:07:43 Pacific Daylight Time

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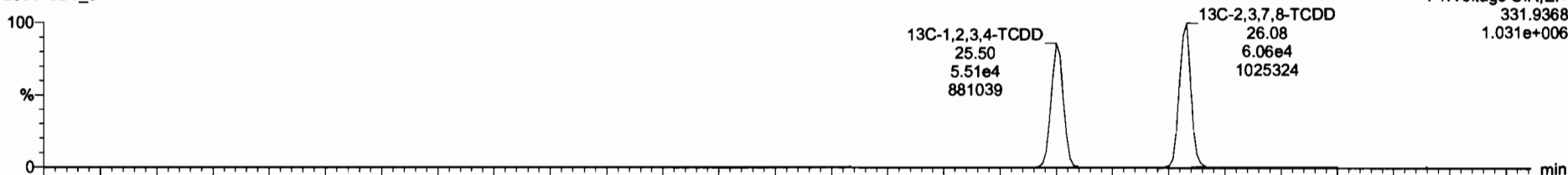
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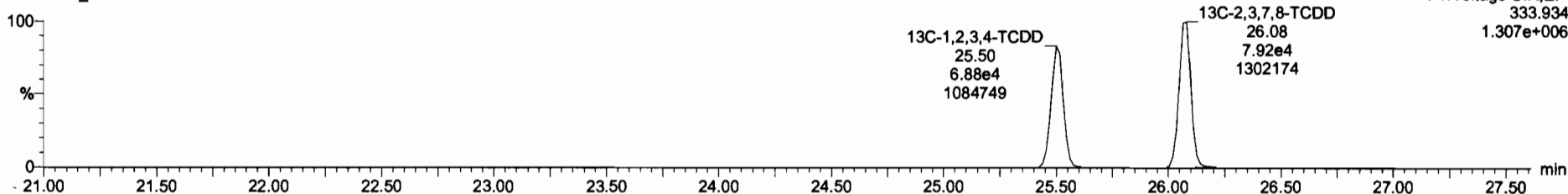


13C-1,2,3,4-TCDD

200616D1_9



200616D1_9



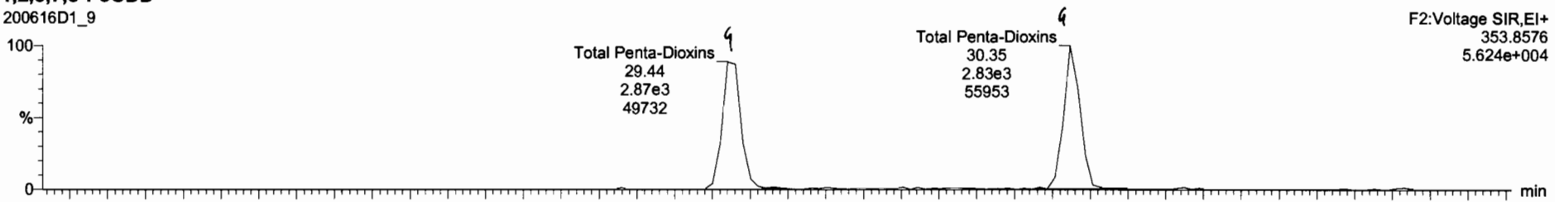
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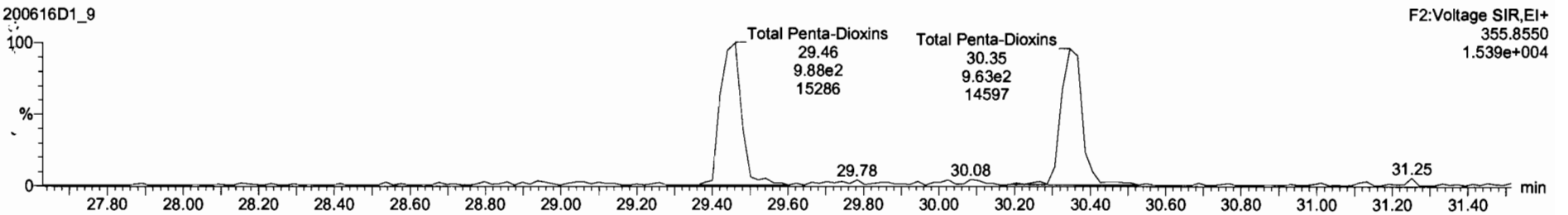
Name: 200616D1_9, Date: 16-Jun-2020, Time: 18:53:36, ID: B0F0043-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDD

200616D1_9

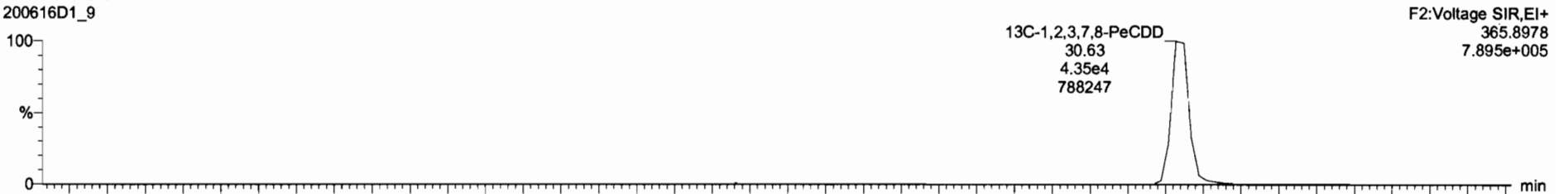


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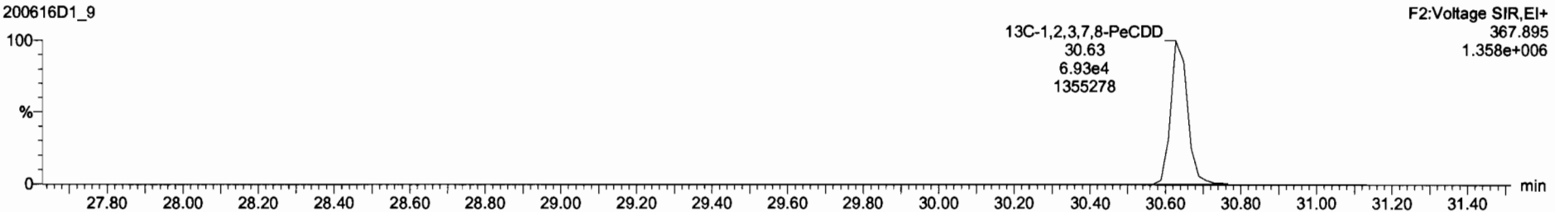


13C-1,2,3,7,8-PeCDD

200616D1_9



200616D1_9

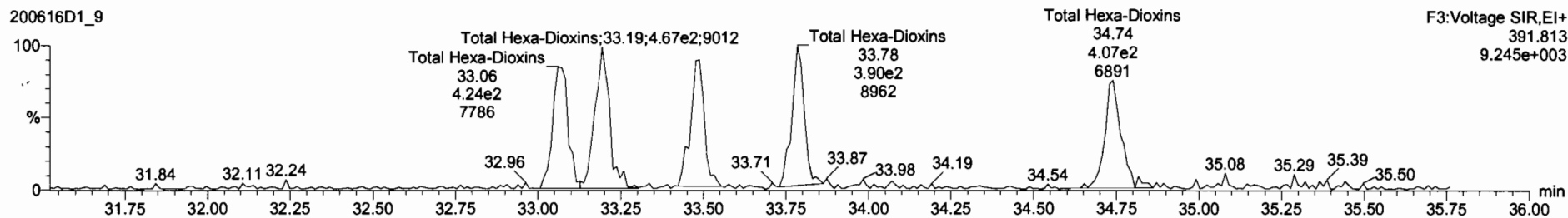
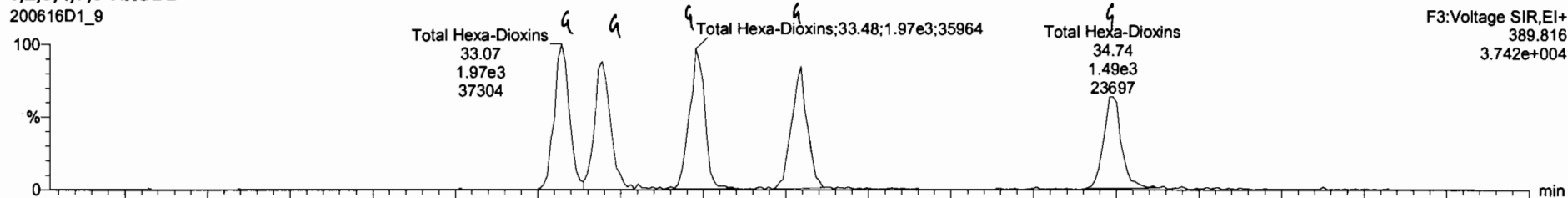


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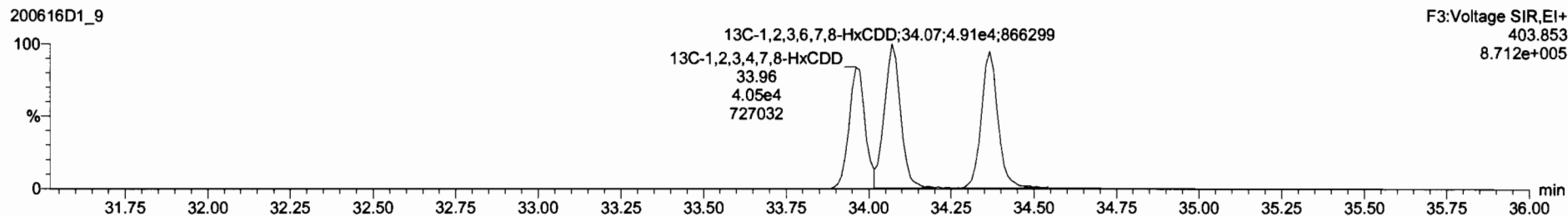
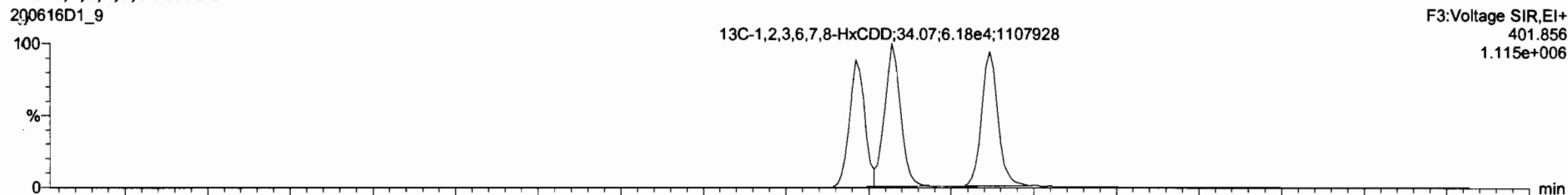
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Name: 200616D1_9, Date: 16-Jun-2020, Time: 18:53:36, ID: B0F0043-BLK1 Method Blank 10, Description: Method Blank

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



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

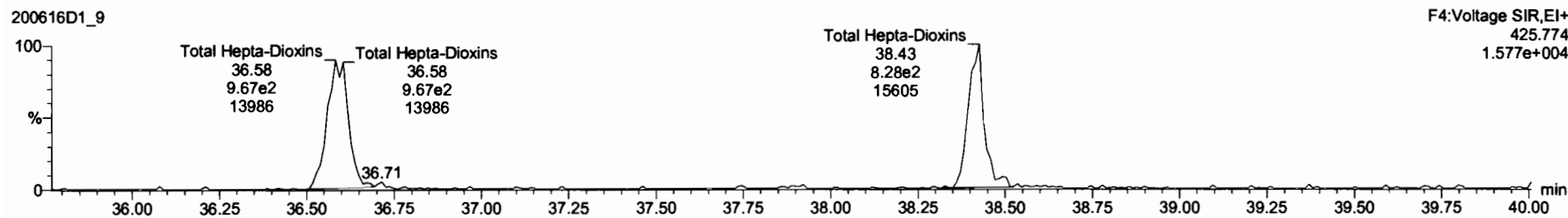
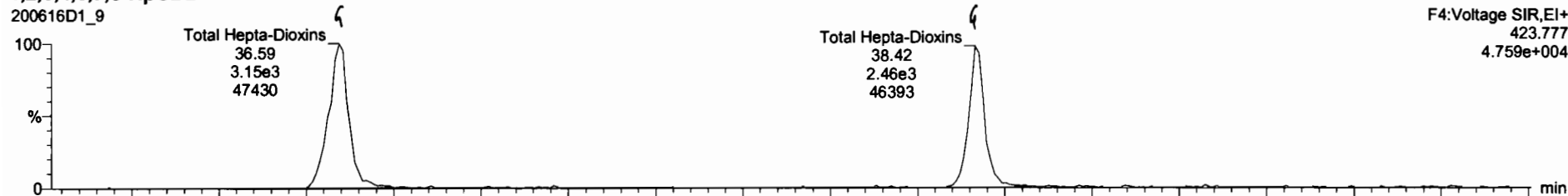


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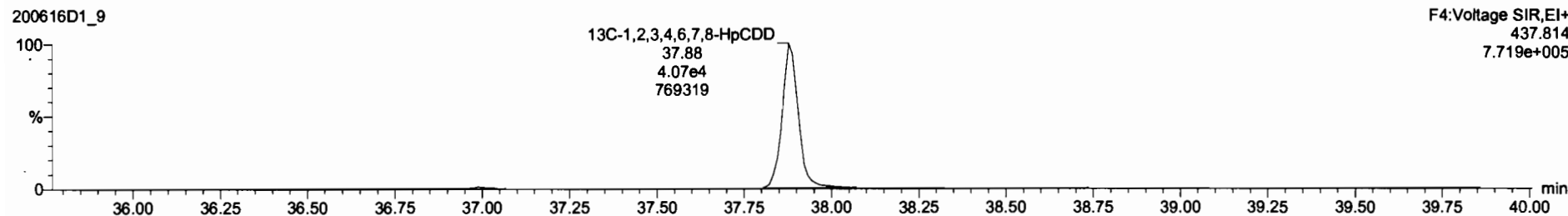
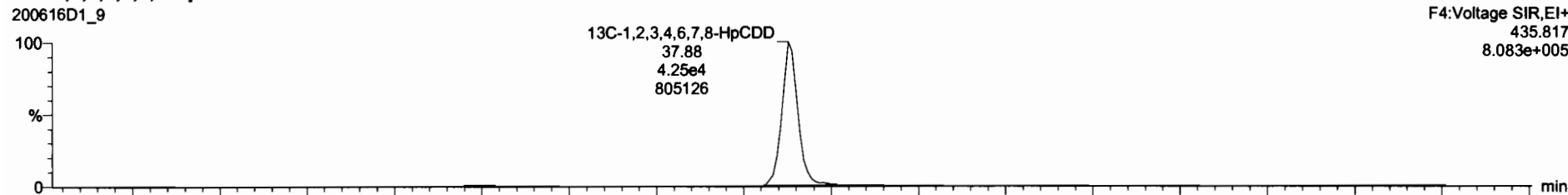
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Name: 200616D1_9, Date: 16-Jun-2020, Time: 18:53:36, ID: B0F0043-BLK1 Method Blank 10, Description: Method Blank

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



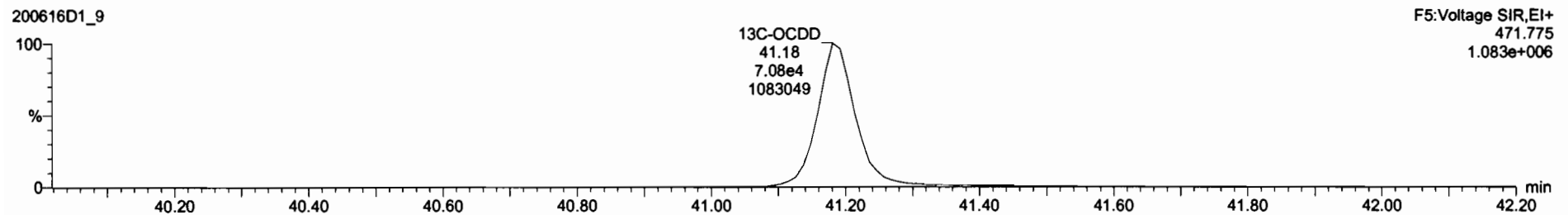
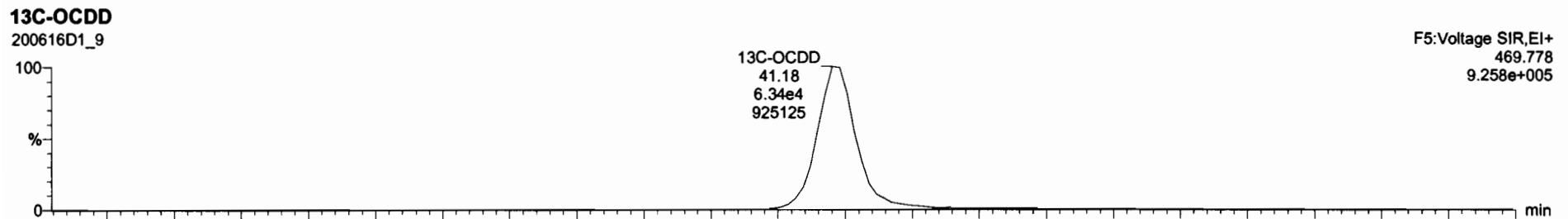
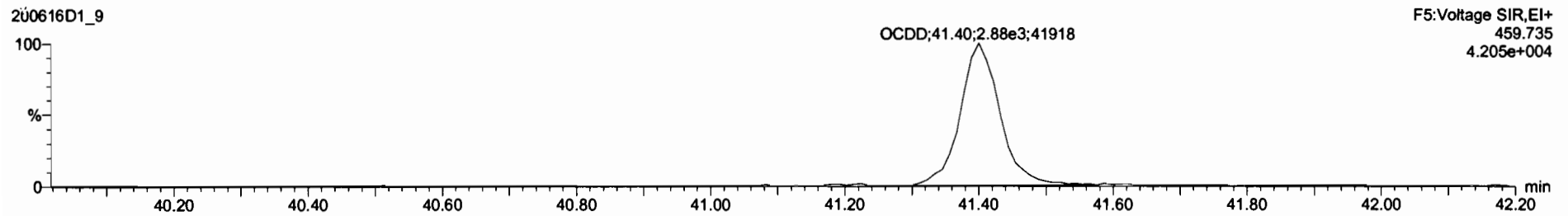
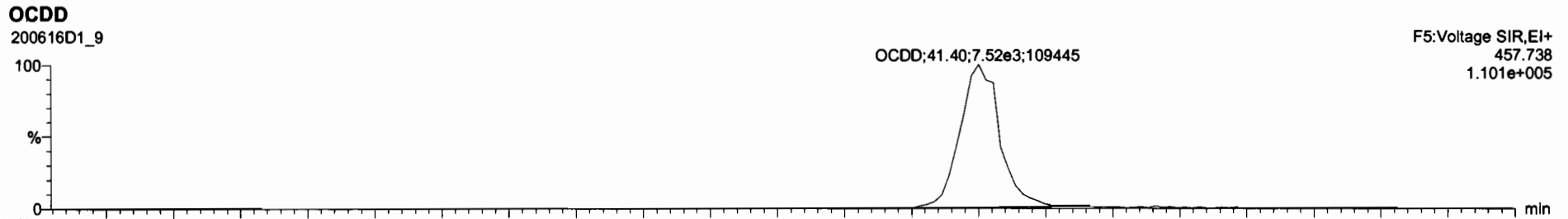
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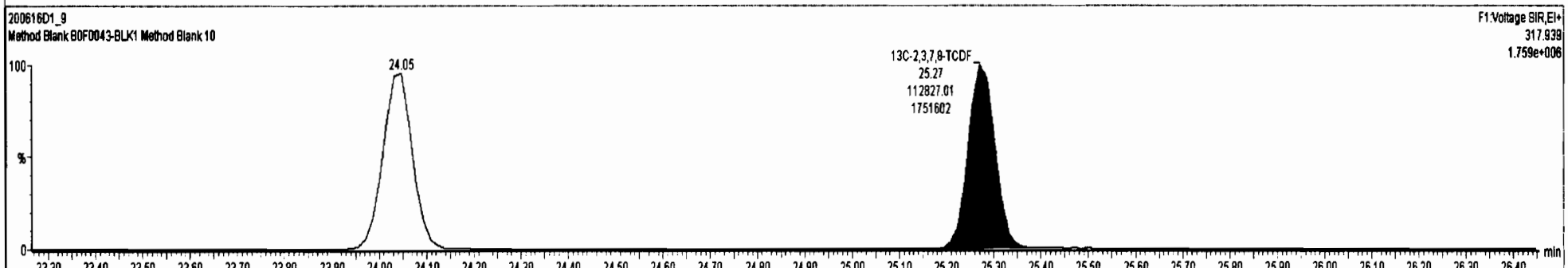
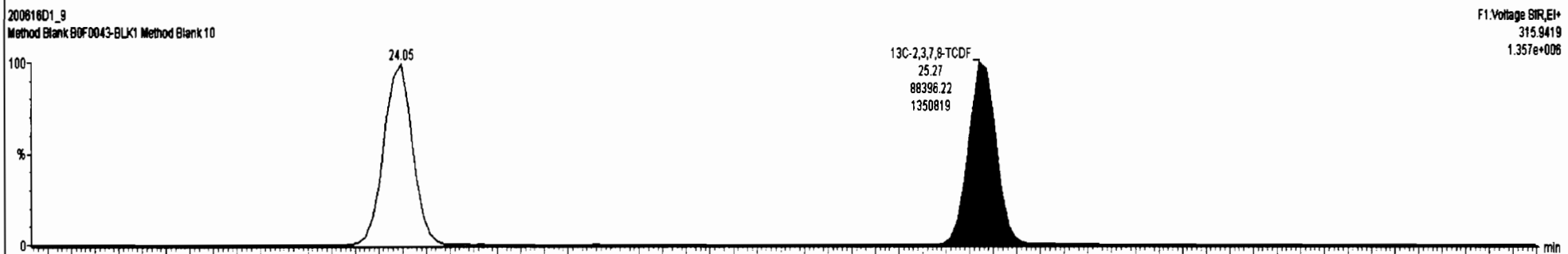
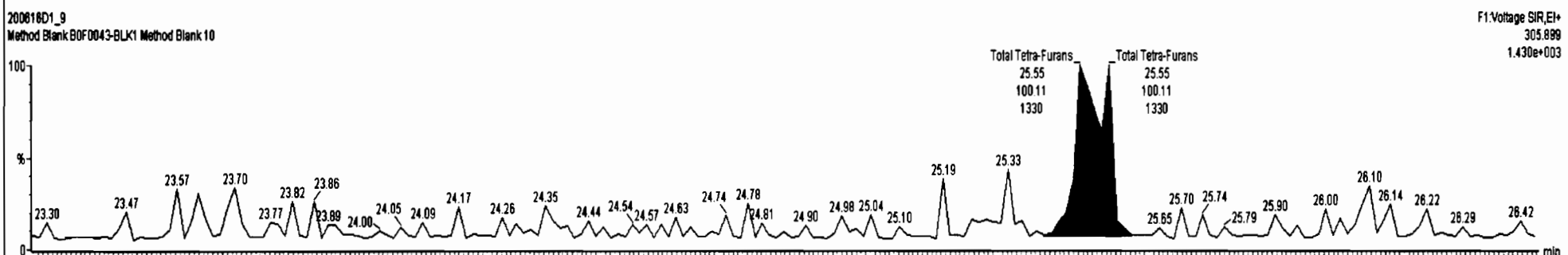
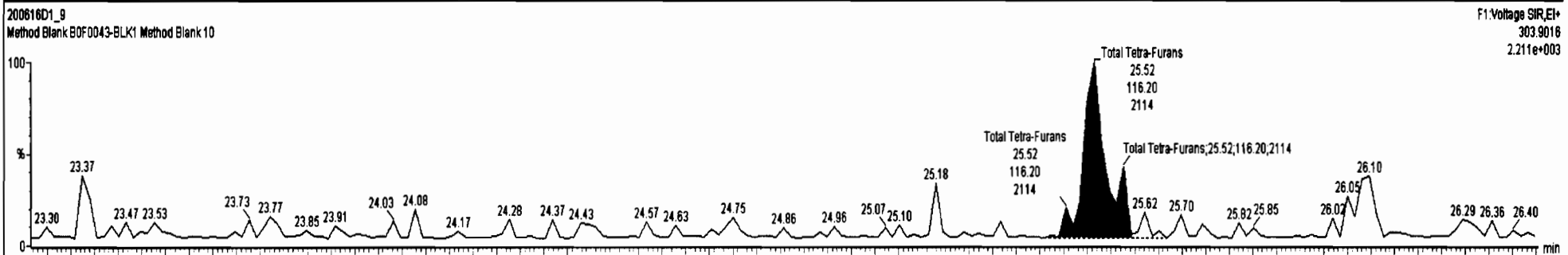


Dataset: U:\VG7.PRO\Results\200616D1\200616D1_9.qld

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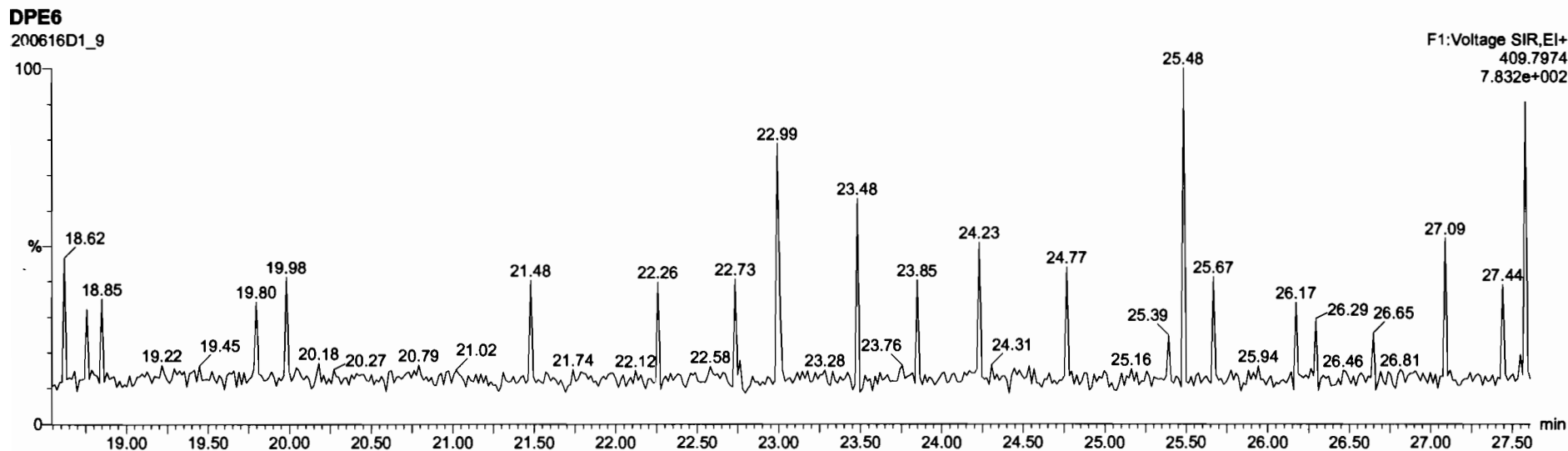
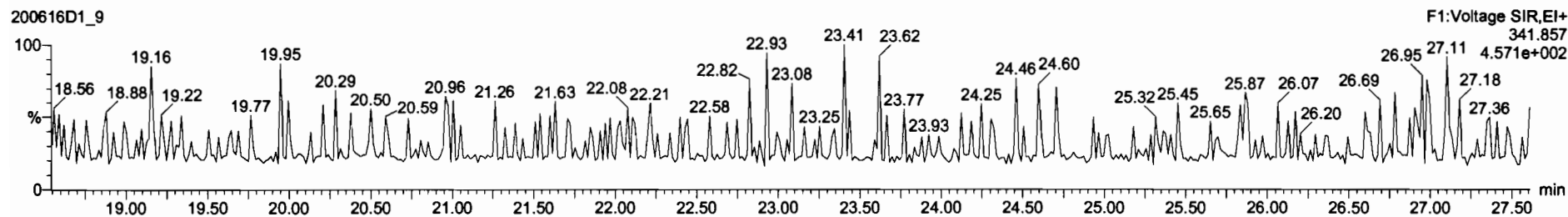
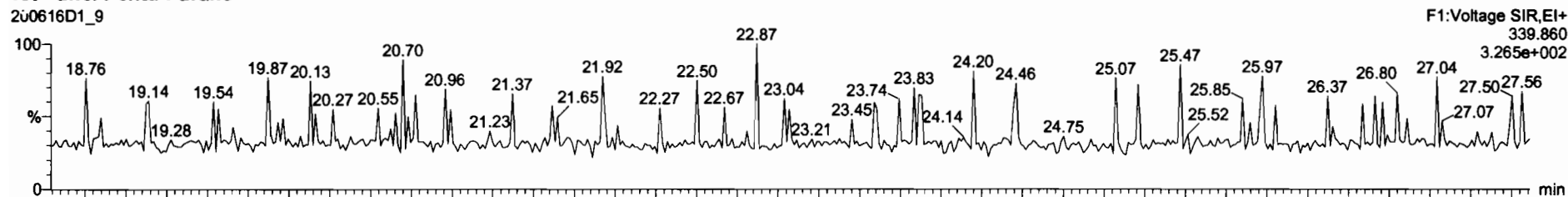


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Name: 200616D1_9, Date: 16-Jun-2020, Time: 18:53:36, ID: B0F0043-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans



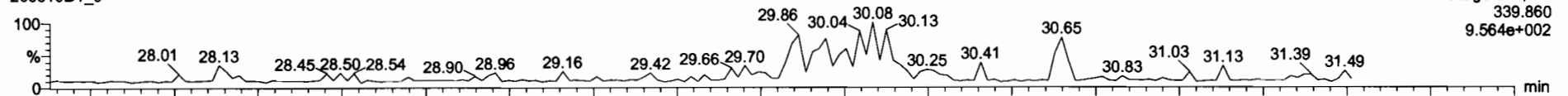
Dataset: U:\VG7.PRO\Results\200616D1\200616D1_9.qld

Last Altered: Wednesday, June 17, 2020 10:29:20 Pacific Daylight Time
Printed: Wednesday, June 17, 2020 11:07:43 Pacific Daylight Time

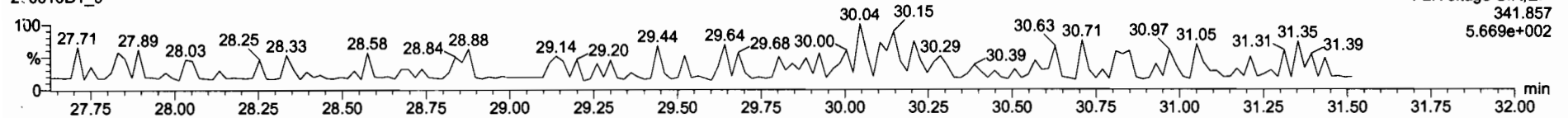
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1,2,3,7,8-PeCDF

200616D1_9

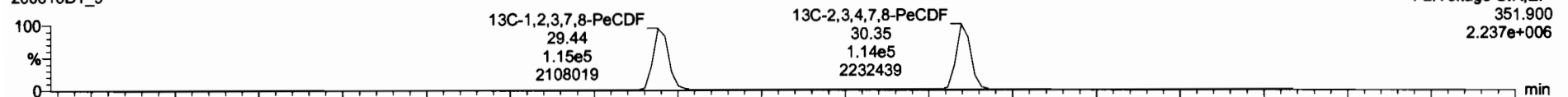


200616D1_9

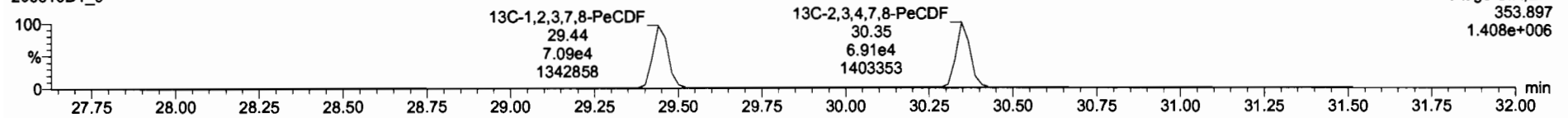


13C-1,2,3,7,8-PeCDF

200616D1_9

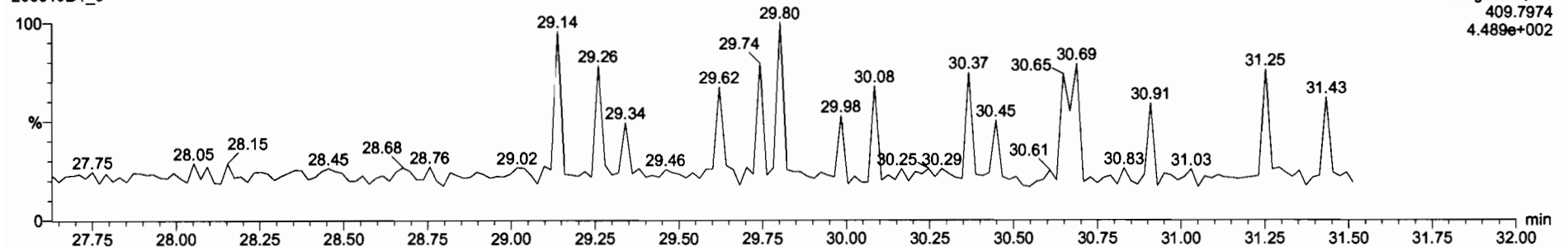


200616D1_9



DPE2

200616D1_9

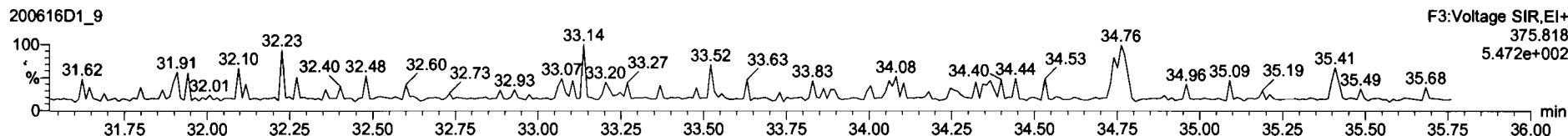
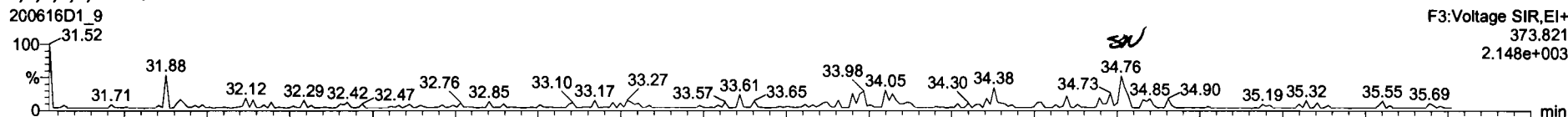


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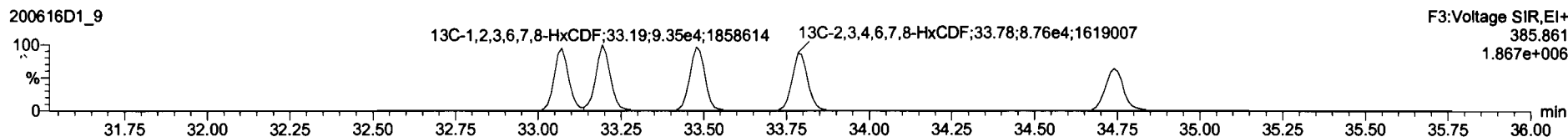
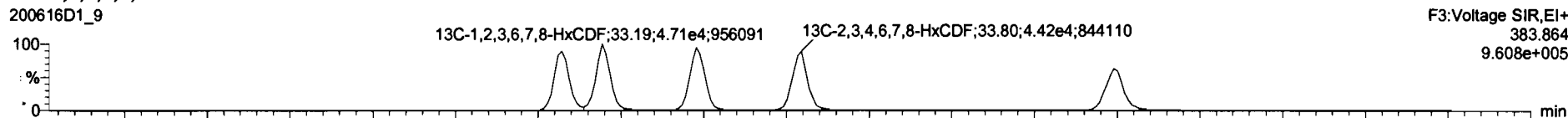
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Printed: Wednesday, June 17, 2020 11:07:43 Pacific Daylight Time

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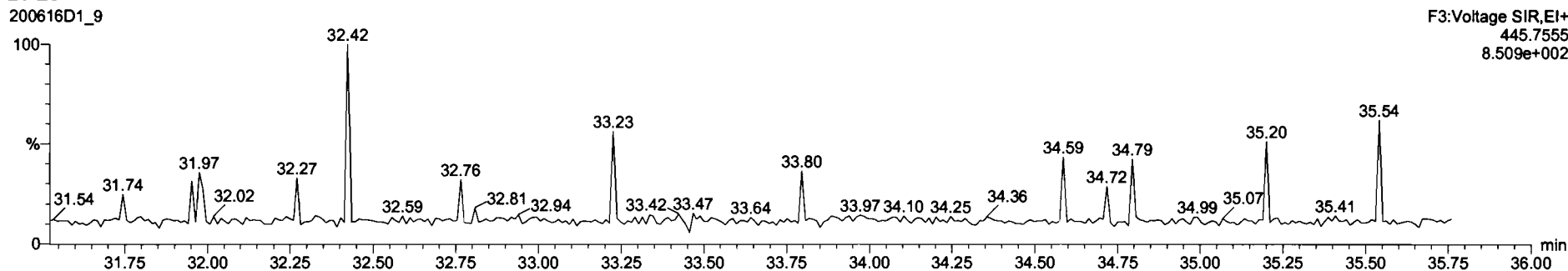
1,2,3,4,7,8-HxCDF



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



DPE3

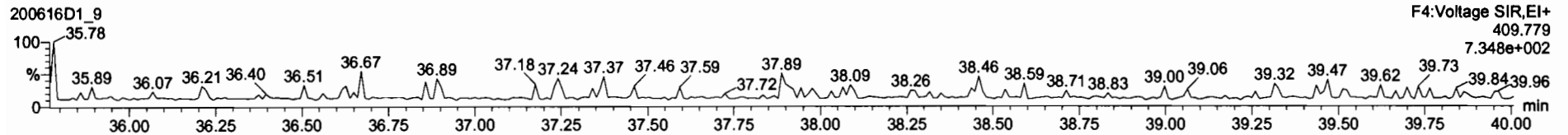
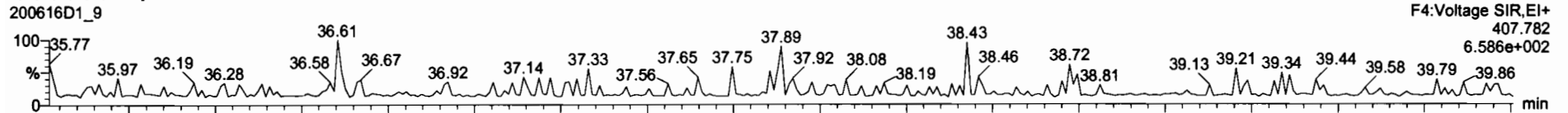


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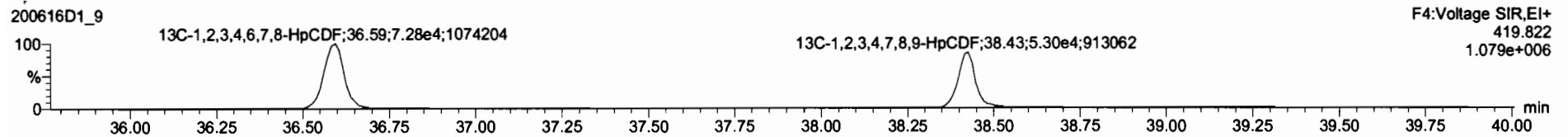
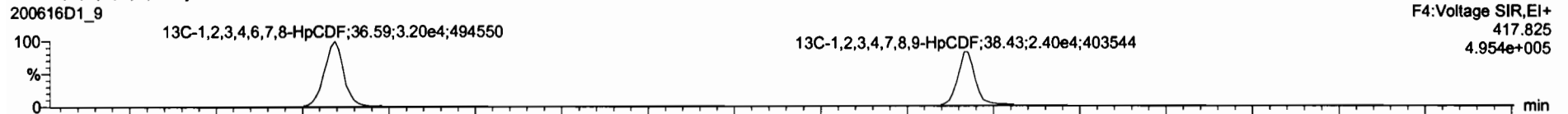
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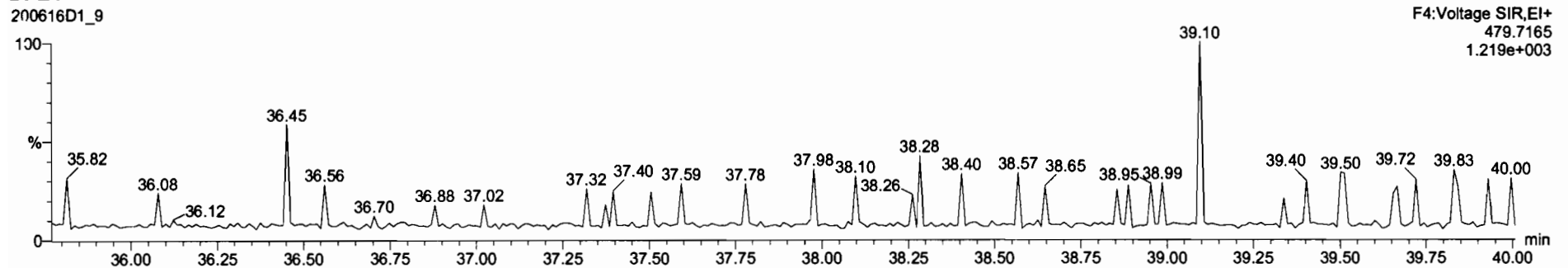
1,2,3,4,6,7,8-HpCDF



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



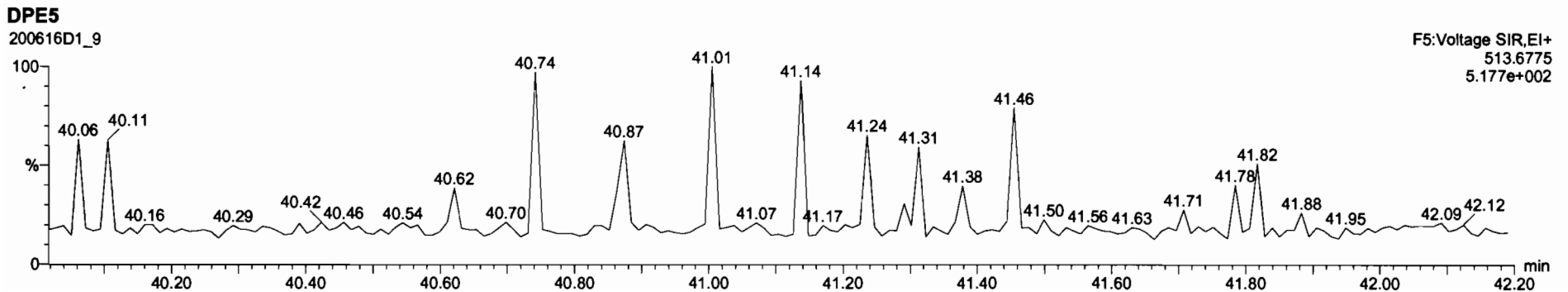
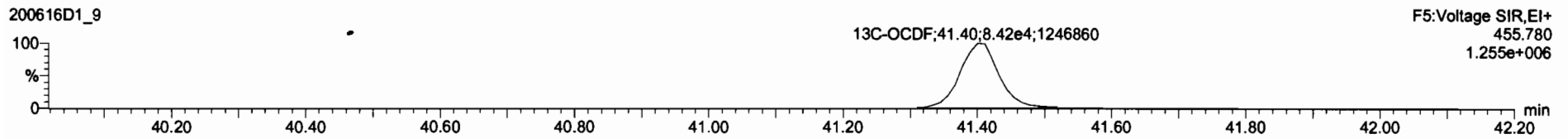
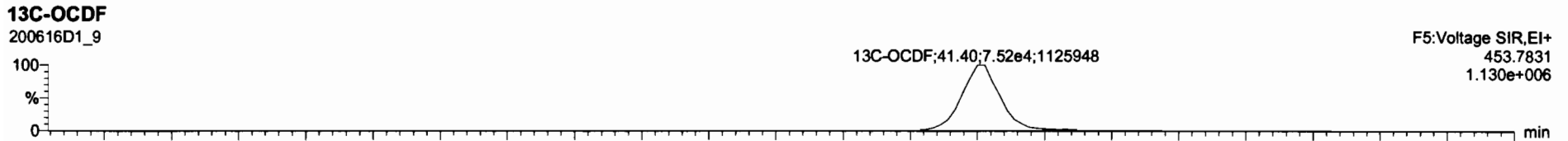
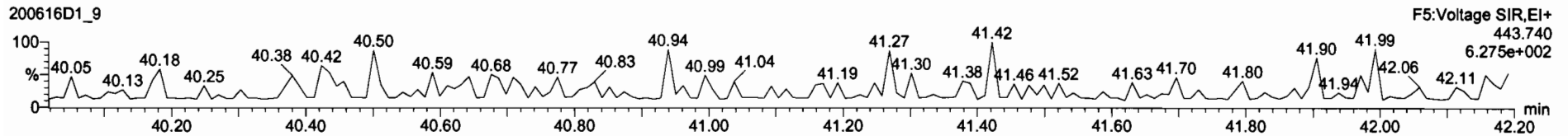
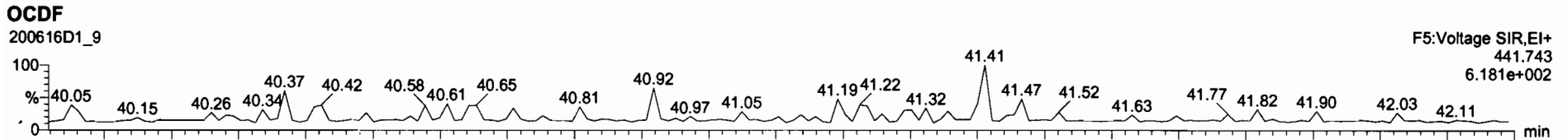
DPE4



Dataset: U:\VG7.PRO\Results\200616D1\200616D1_9.qld

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Printed: Wednesday, June 17, 2020 11:07:43 Pacific Daylight Time

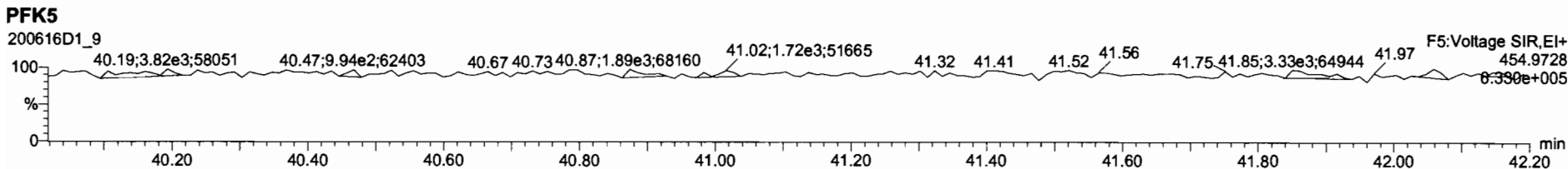
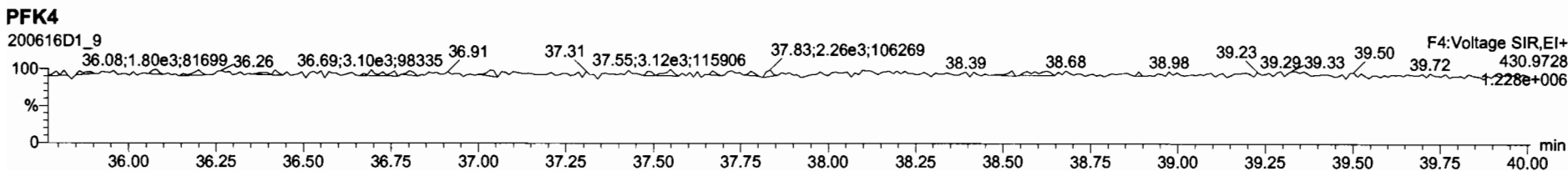
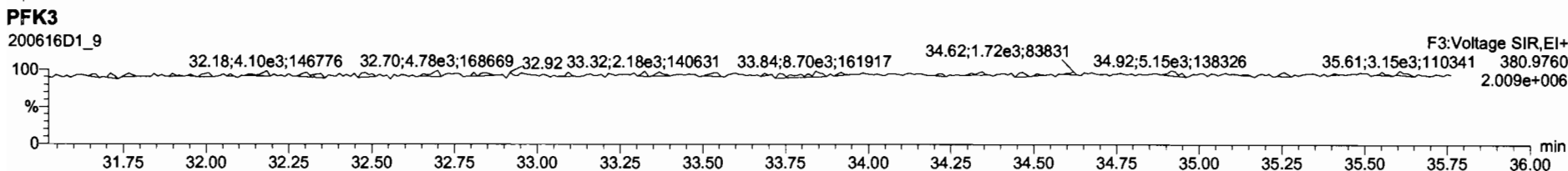
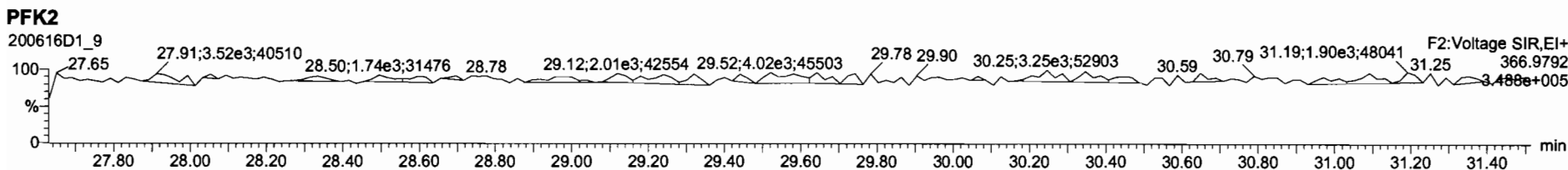
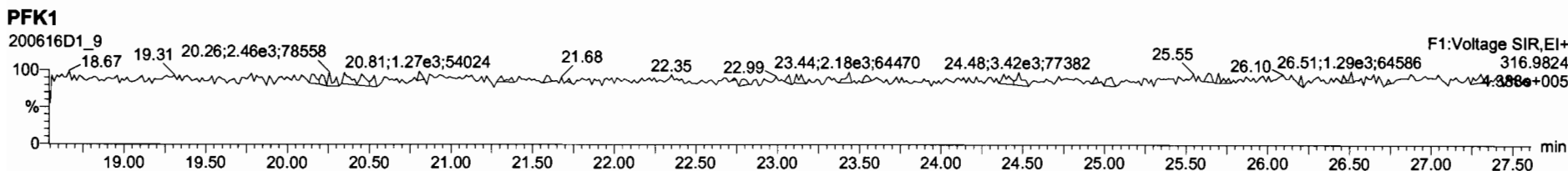
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Dataset: U:\VG7.PRO\Results\200616D1\200616D1_9.qld

Last Altered: Wednesday, June 17, 2020 10:29:20 Pacific Daylight Time
Printed: Wednesday, June 17, 2020 11:07:43 Pacific Daylight Time

Name: 200616D1_9, Date: 16-Jun-2020, Time: 18:53:36, ID: B0F0043-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:32:35 Pacific Daylight Time

DB 6/16/20 C709/08/2020

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

Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR

	Resp	RA	n/y	RRF	w/wol	Prod RT	RT	Prod RRT	RRT	Conc	Area	Conc	Area
1	2,3,7,8-TCDD	1.39e4	0.75	NO	0.986	1.000	26.097	26.10	1.001	1.001	182.04	91.0	67-158 1.48 182
2	1,2,3,7,8-PeCDD	5.52e4	0.61	NO	0.964	1.000	30.670	30.65	1.001	1.000	986.28	98.6	70-142 1.82 986
3	1,2,3,4,7,8-HxCDD	4.44e4	1.26	NO	1.16	1.000	33.982	33.98	1.000	1.000	933.98	93.4	70-164 4.39 934
4	1,2,3,6,7,8-HxCDD	4.53e4	1.29	NO	1.01	1.000	34.082	34.09	1.000	1.000	880.02	88.0	76-134 4.47 880
5	1,2,3,7,8,9-HxCDD	4.13e4	1.22	NO	1.01	1.000	34.412	34.39	1.001	1.000	882.55	88.3	64-162 5.00 883
6	1,2,3,4,6,7,8-HpCDD	3.25e4	1.05	NO	0.997	1.000	37.890	37.90	1.000	1.001	970.80	97.1	70-140 6.09 971
7	OCDD	4.91e4	0.86	NO	1.01	1.000	41.181	41.19	1.000	1.000	1848.8	92.4	78-144 5.31 1850
8	2,3,7,8-TCDF	1.82e4	0.83	NO	0.833	1.000	25.296	25.29	1.001	1.001	193.32	96.7	75-158 0.820 193
9	1,2,3,7,8-PeCDF	8.57e4	1.59	NO	0.965	1.000	29.462	29.46	1.001	1.001	917.09	91.7	80-134 2.04 917
10	2,3,4,7,8-PeCDF	8.85e4	1.56	NO	1.01	1.000	30.377	30.37	1.001	1.001	935.70	93.6	68-166 1.96 936
11	1,2,3,4,7,8-HxCDF	6.94e4	1.26	NO	1.09	1.000	33.072	33.09	1.000	1.001	1006.4	101	72-134 3.61 1010
12	1,2,3,6,7,8-HxCDF	7.48e4	1.23	NO	1.07	1.000	33.203	33.21	1.000	1.001	1014.4	101	84-130 3.65 1010
13	2,3,4,6,7,8-HxCDF	7.11e4	1.29	NO	1.15	1.000	33.830	33.81	1.001	1.000	1028.0	103	70-156 4.00 1030
14	1,2,3,7,8,9-HxCDF	5.42e4	1.25	NO	1.11	1.000	34.740	34.76	1.000	1.001	986.27	98.6	78-130 6.04 986
15	1,2,3,4,6,7,8-HpCDF	5.25e4	1.03	NO	1.16	1.000	36.631	36.61	1.001	1.000	963.18	96.3	82-122 5.80 963
16	1,2,3,4,7,8,9-HpCDF	3.88e4	1.04	NO	1.35	1.000	38.416	38.43	1.000	1.000	951.99	95.2	78-138 6.76 952
17	OCDF	6.70e4	0.89	NO	0.949	1.000	41.401	41.41	1.000	1.000	2129.3	106	63-170 6.89 2130
18	13C-2,3,7,8-TCDD	1.55e5	0.80	NO	1.26	1.000	26.163	26.07	1.026	1.022	1877.3	93.9	20-175 3.47
19	13C-1,2,3,7,8-PeCDD	1.16e5	0.62	NO	0.921	1.000	30.651	30.65	1.202	1.202	1927.9	96.4	21-227 3.99
20	13C-1,2,3,4,7,8-HxCDD	8.18e4	1.37	NO	0.707	1.000	33.947	33.97	1.014	1.015	1818.5	90.9	21-193 7.76
21	13C-1,2,3,6,7,8-HxCDD	1.02e5	1.29	NO	0.829	1.000	34.057	34.08	1.017	1.018	1940.6	97.0	25-163 6.62
22	13C-1,2,3,7,8,9-HxCDD	9.28e4	1.28	NO	0.808	1.000	34.328	34.38	1.025	1.027	1806.8	90.3	21-193 6.79
23	13C-1,2,3,4,6,7,8-HpCDD	6.72e4	1.07	NO	0.662	1.000	37.797	37.88	1.129	1.131	1596.3	79.8	26-166 9.43
24	13C-OCDD	1.05e5	0.89	NO	0.608	1.000	40.823	41.18	1.219	1.230	2708.0	67.7	13-198 7.41
25	13C-2,3,7,8-TCDF	2.26e5	0.77	NO	1.07	1.000	25.245	25.27	0.990	0.991	1876.4	93.8	22-152 3.51
26	13C-1,2,3,7,8-PeCDF	1.94e5	1.64	NO	0.826	1.000	29.470	29.44	1.156	1.155	2078.4	104	21-192 7.05
27	13C-2,3,4,7,8-PeCDF	1.87e5	1.65	NO	0.796	1.000	30.370	30.35	1.191	1.190	2084.3	104	13-328 7.32
28	13C-1,2,3,4,7,8-HxCDF	1.26e5	0.49	NO	1.08	1.000	33.076	33.07	0.988	0.988	1842.9	92.1	19-202 9.01
29	13C-1,2,3,6,7,8-HxCDF	1.38e5	0.49	NO	1.12	1.000	33.210	33.19	0.992	0.991	1935.5	96.8	21-159 8.62
30	13C-2,3,4,6,7,8-HxCDF	1.20e5	0.51	NO	1.02	1.000	33.783	33.80	1.009	1.010	1840.1	92.0	22-176 9.46
31	13C-1,2,3,7,8,9-HxCDF	9.86e4	0.51	NO	0.887	1.000	34.683	34.74	1.036	1.038	1748.7	87.4	17-205 10.9

Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:32:35 Pacific Daylight Time

Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR

Peak	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RT	Area	Conc		
32 13C-1,2,3,4,6,7,8-HpCDF	9.41e4	0.43	NO	0.811	1.000	36.391	36.59	1.087	1.093	1825.6	91.3 21-158	9.74
33 13C-1,2,3,4,7,8,9-HpCDF	6.04e4	0.44	NO	0.598	1.000	38.399	38.42	1.147	1.147	1586.7	79.3 20-186	13.2
34 13C-OCDF	1.33e5	0.92	NO	0.752	1.000	40.977	41.40	1.224	1.237	2775.4	69.4 13-198	5.79
35 37Cl-2,3,7,8-TCDD	6.56e4			1.24	1.000	26.160	26.10	1.026	1.023	807.15	101 31-191	0.543
36 13C-1,2,3,4-TCDD	1.31e5	0.78	NO	1.00	1.000	25.480	25.50	1.000	1.000	2000.0	100	4.37
37 13C-1,2,3,4-TCDF	2.26e5	0.78	NO	1.00	1.000	24.020	24.03	1.000	1.000	2000.0	100	3.75
38 13C-1,2,3,4,6,9-HxCDF	1.27e5	0.52	NO	1.00	1.000	33.530	33.48	1.000	1.000	2000.0	100	9.69

Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

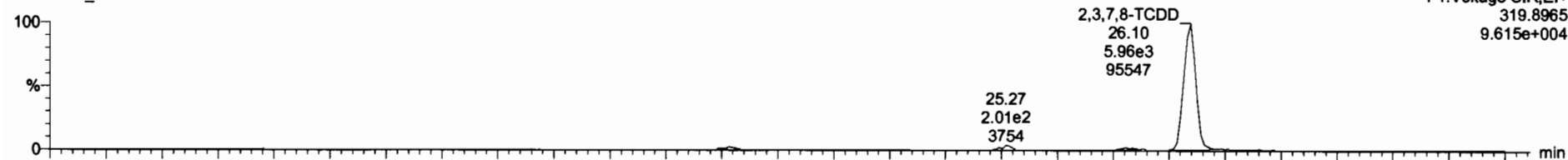
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Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

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

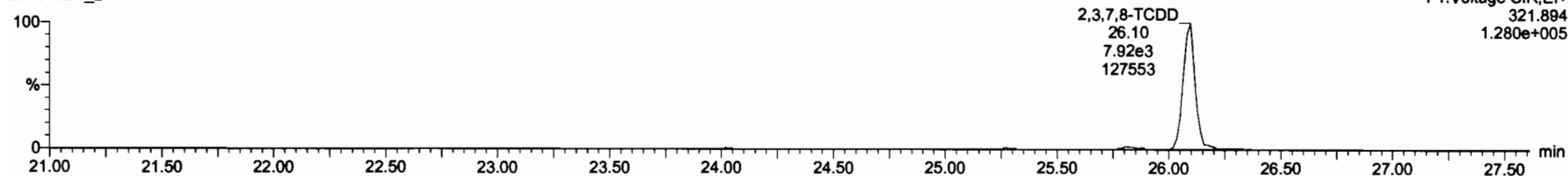
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2,3,7,8-TCDD

200616D1_2

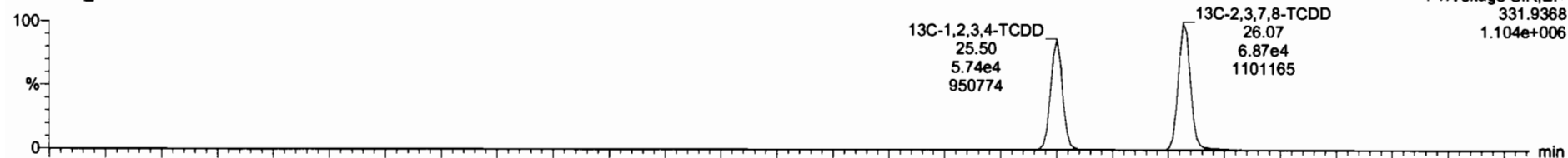


200616D1_2

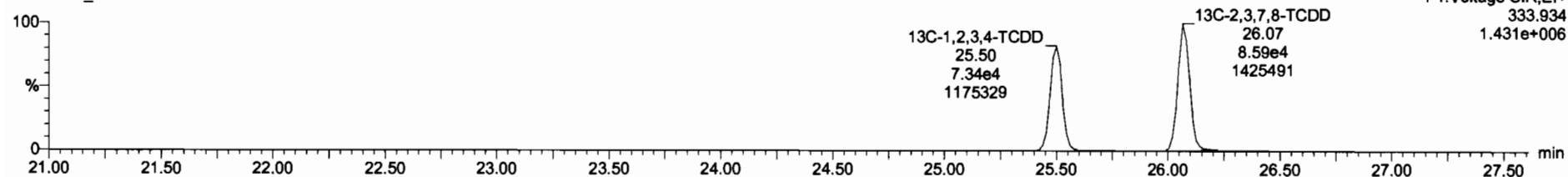


13C-2,3,7,8-TCDD

200616D1_2



200616D1_2



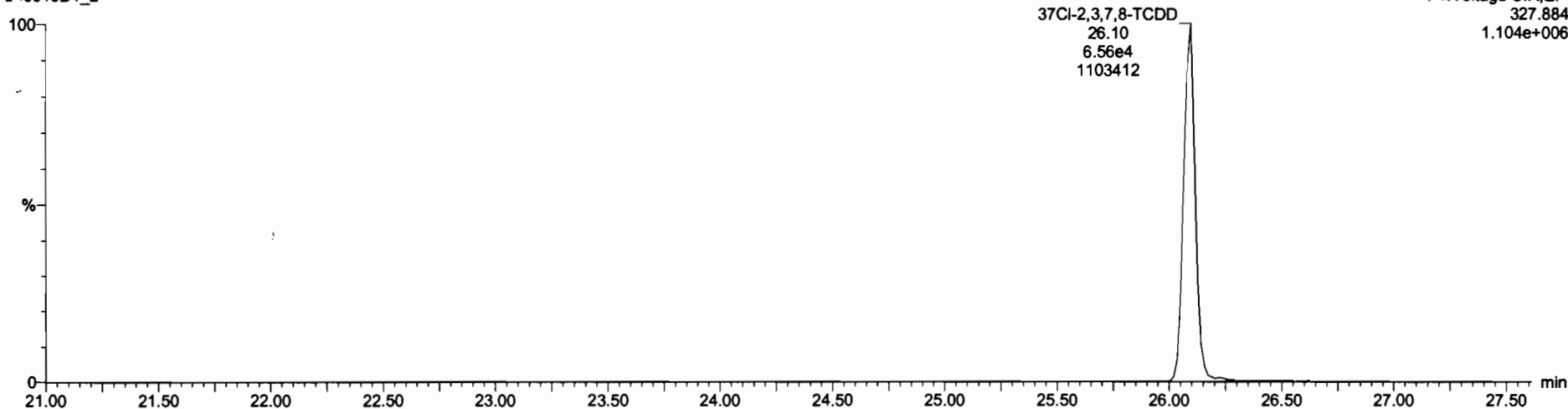
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Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR

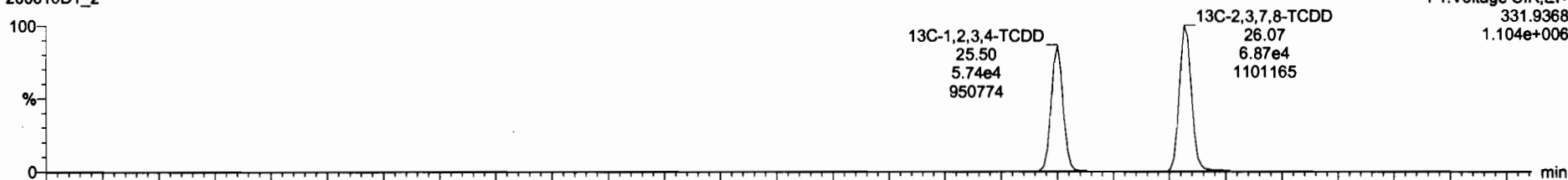
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200616D1_2

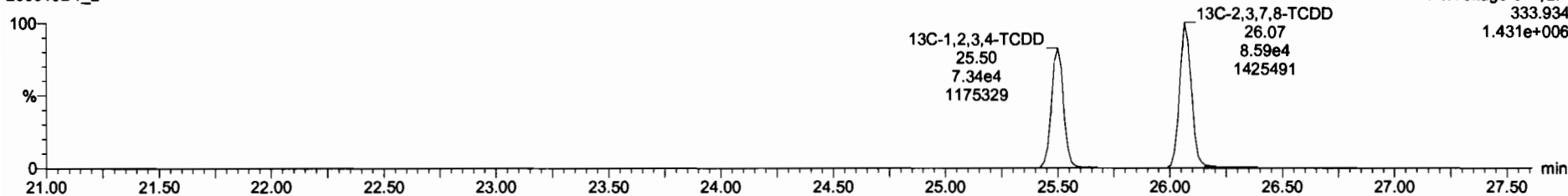


13C-1,2,3,4-TCDD

200616D1_2



200616D1_2



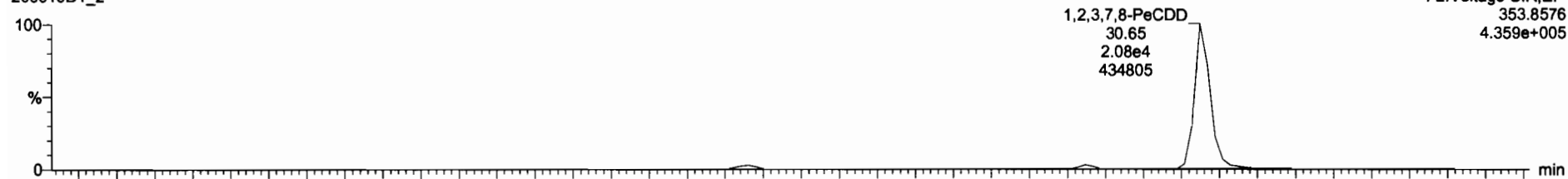
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Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

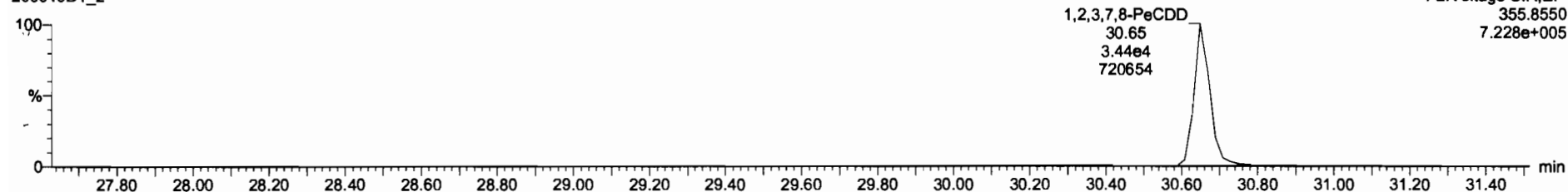
Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR

1,2,3,7,8-PeCDD

200616D1_2

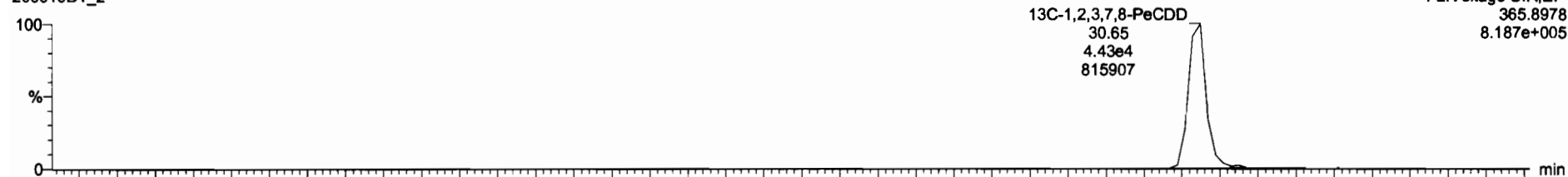


200616D1_2

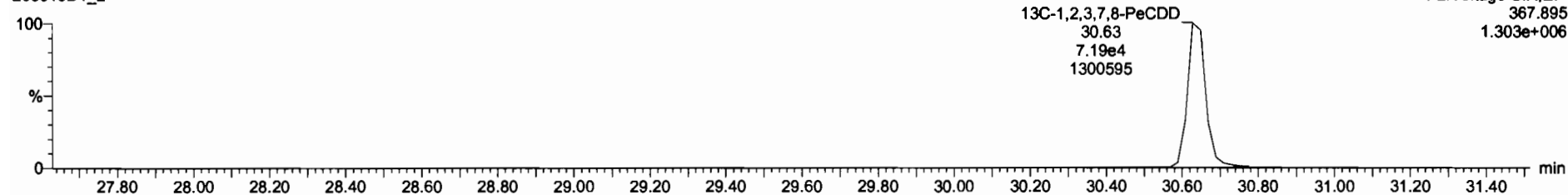


13C-1,2,3,7,8-PeCDD

200616D1_2



200616D1_2



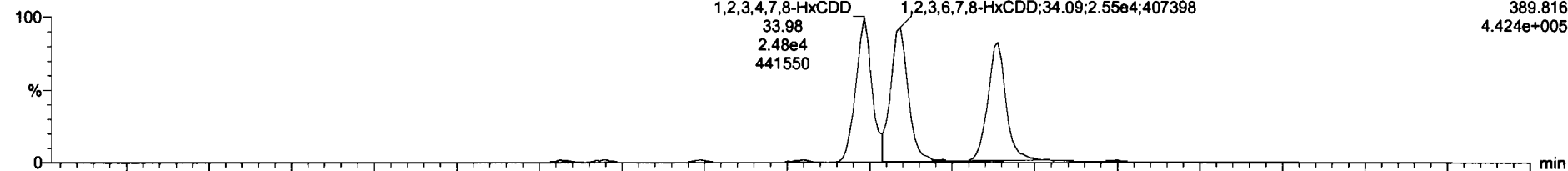
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Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

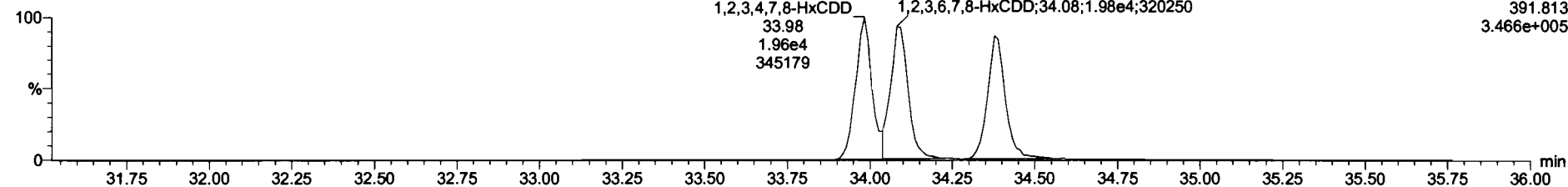
Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR

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

200616D1_2

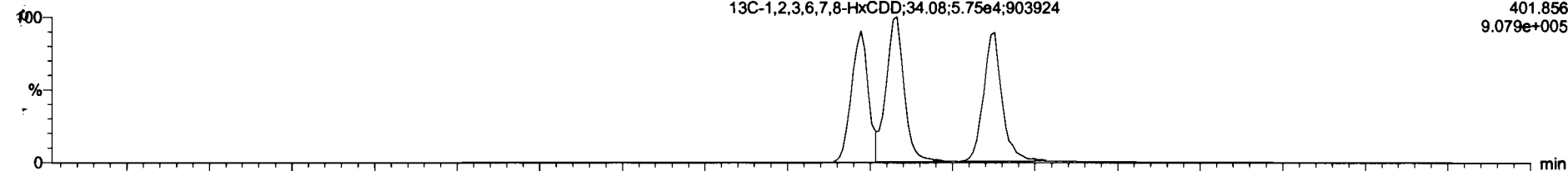


200616D1_2

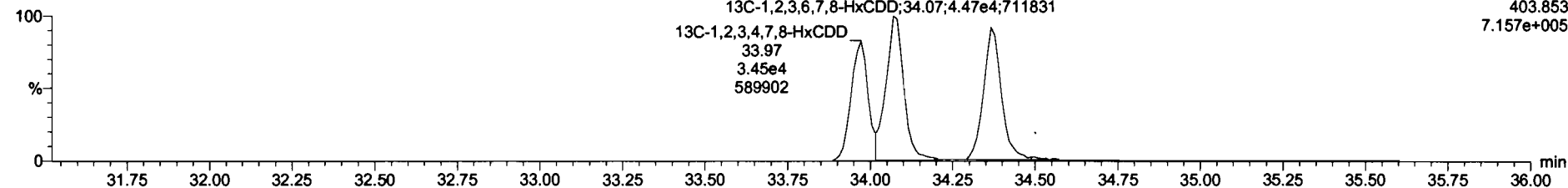


13C-1,2,3,4,7,8-HxCDD

200616D1_2



200616D1_2



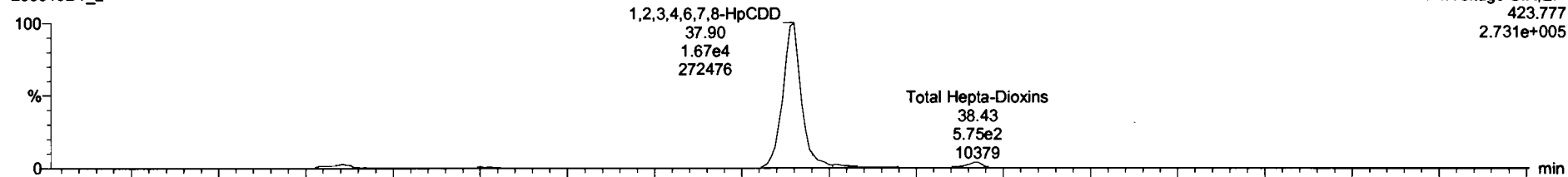
Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

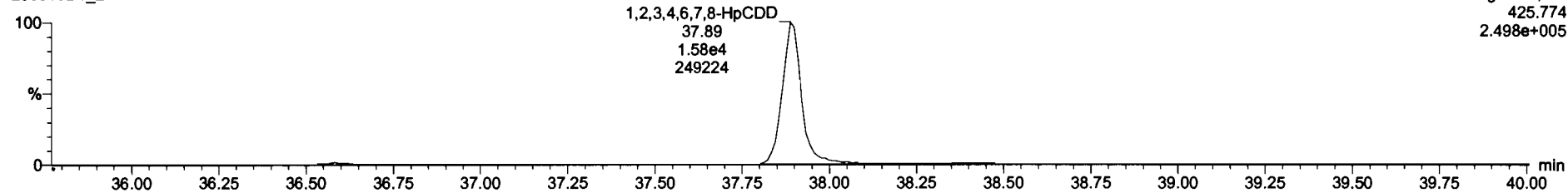
Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR

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

200616D1_2

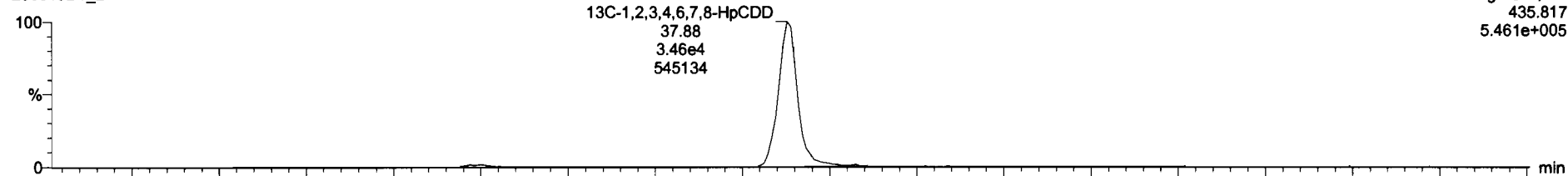


200616D1_2

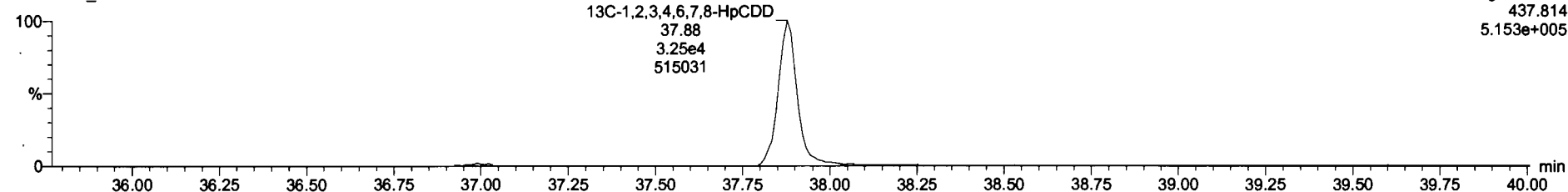


13C-1,2,3,4,6,7,8-HpCDD

200616D1_2



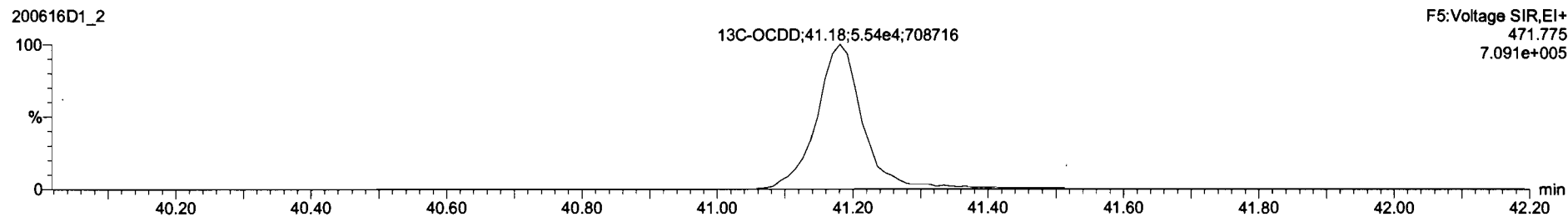
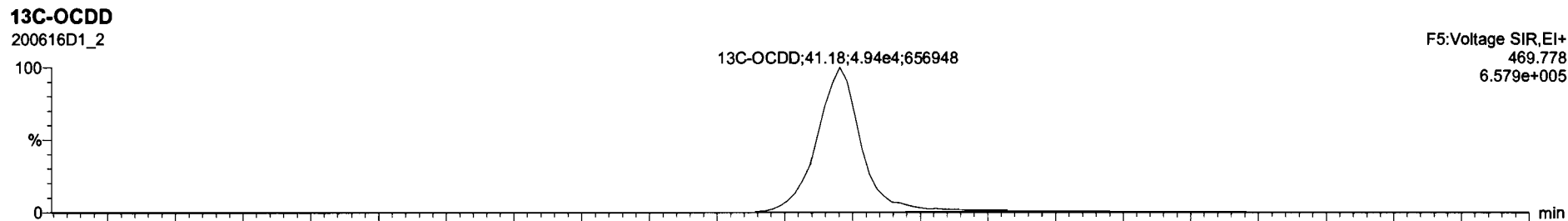
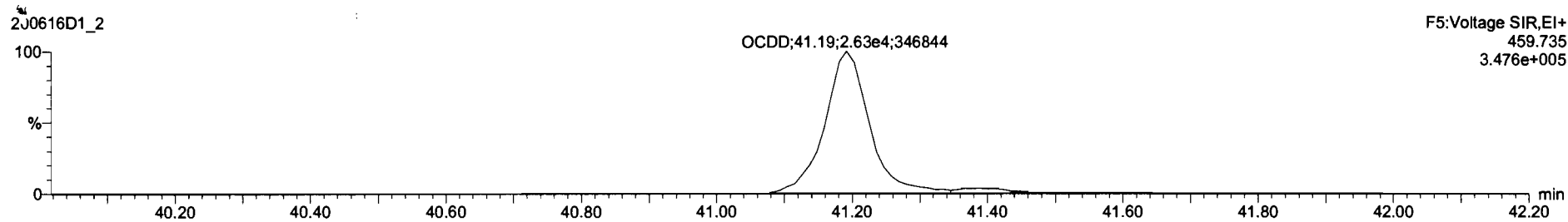
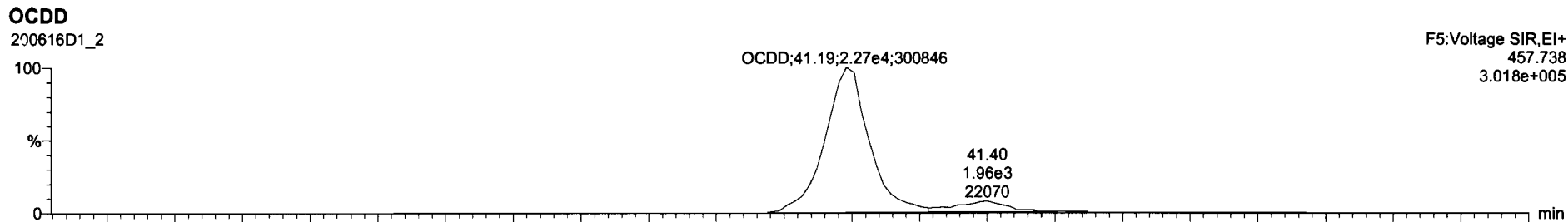
200616D1_2



Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR



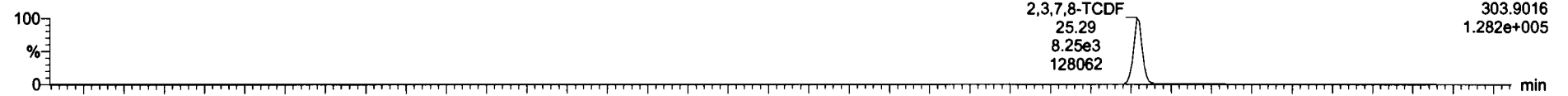
Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

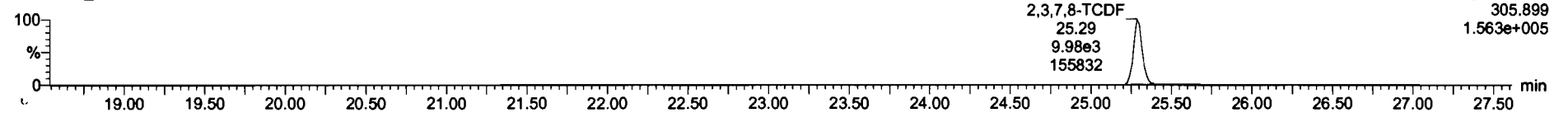
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2,3,7,8-TCDF

200616D1_2

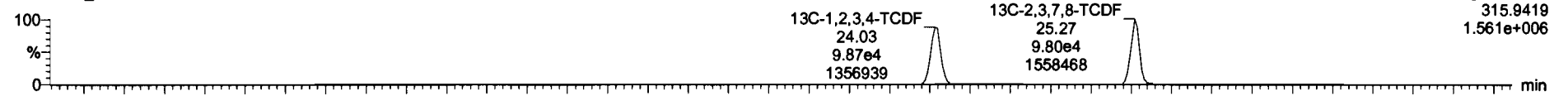


200616D1_2

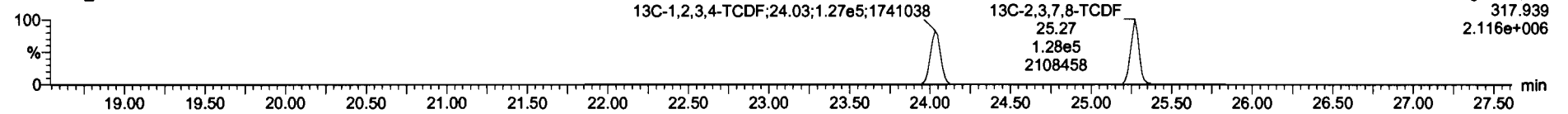


13C-2,3,7,8-TCDF

200616D1_2

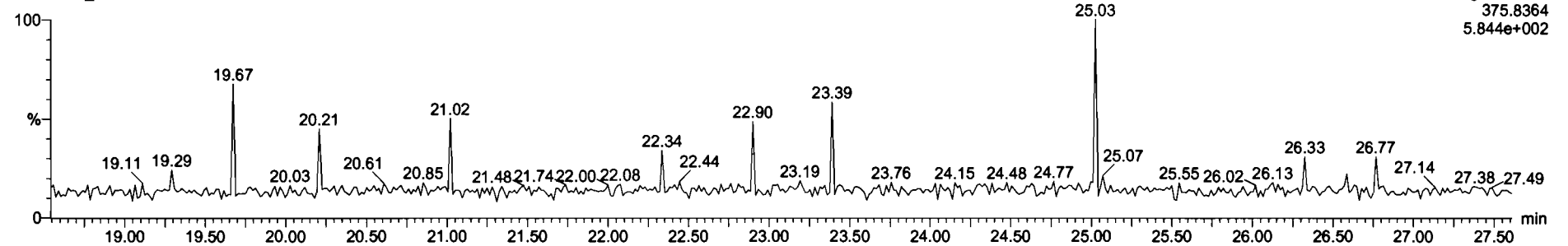


200616D1_2



DPE1

200616D1_2



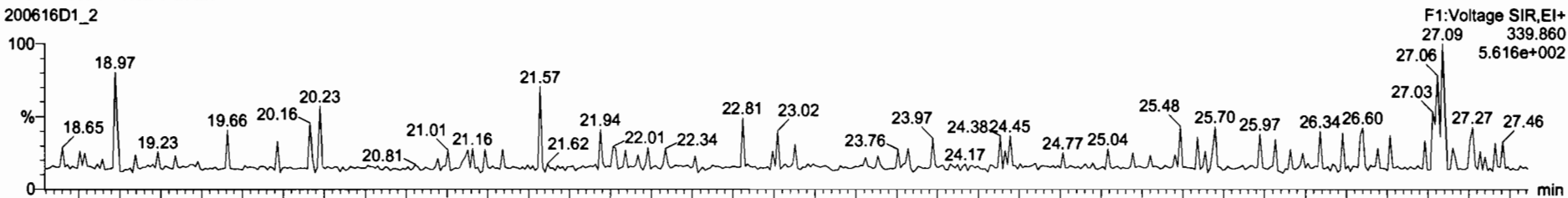
Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

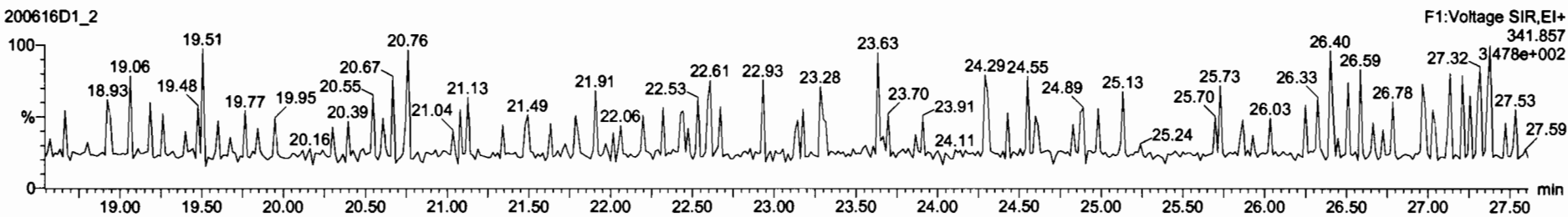
Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR

1st Func. Penta-Furans

200616D1_2

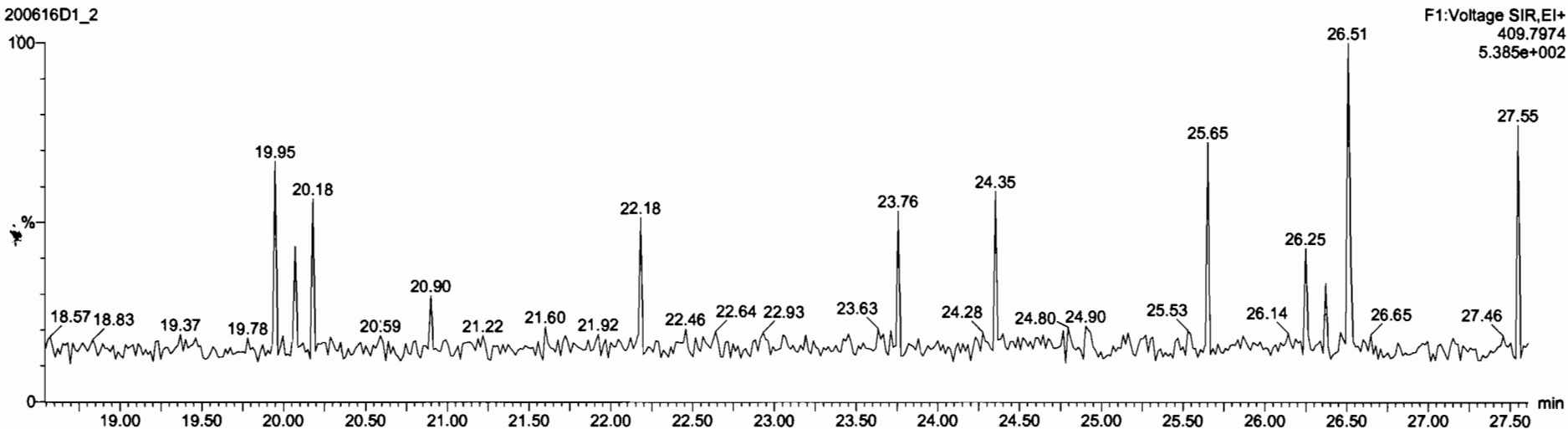


200616D1_2



DPE6

200616D1_2



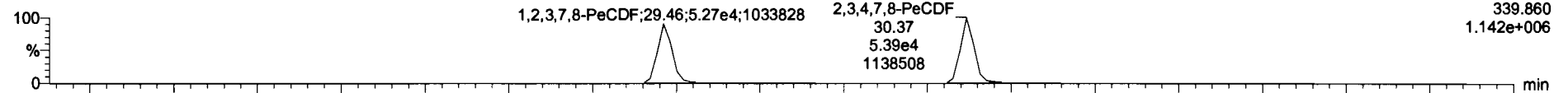
Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

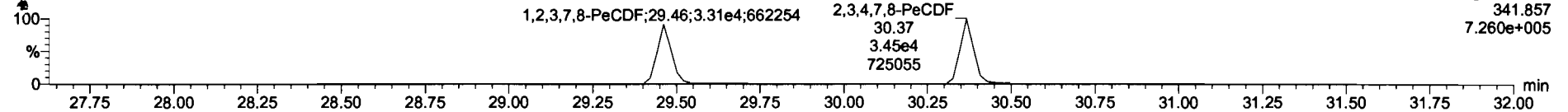
Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR

1,2,3,7,8-PeCDF

200616D1_2

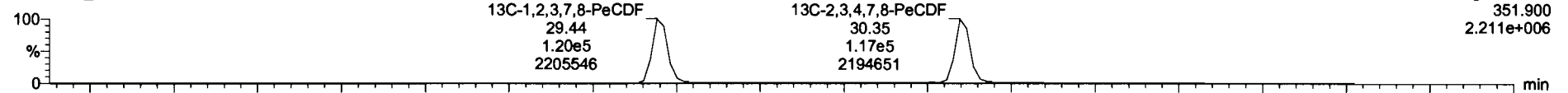


200616D1_2

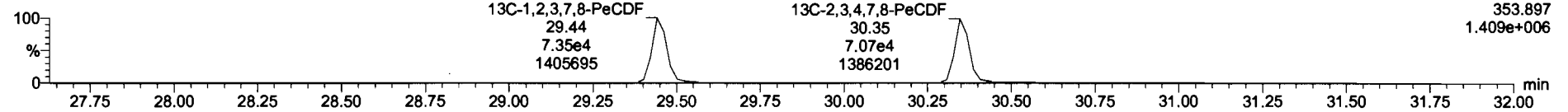


13C-1,2,3,7,8-PeCDF

200616D1_2

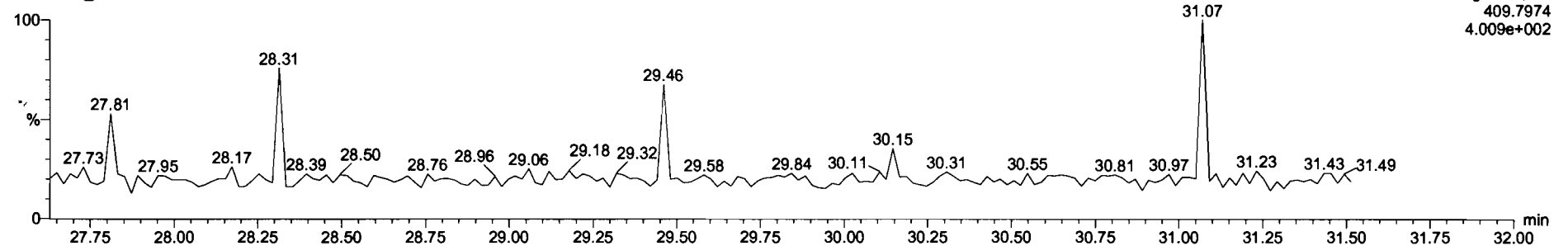


200616D1_2



DPE2

200616D1_2

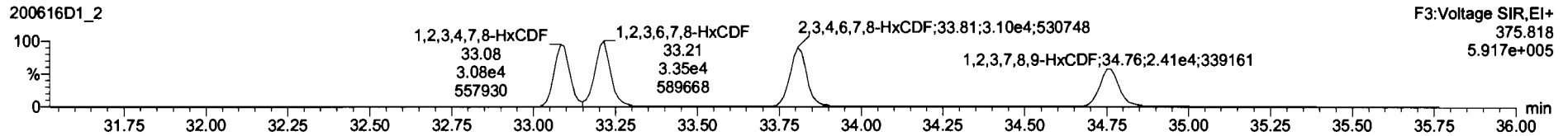
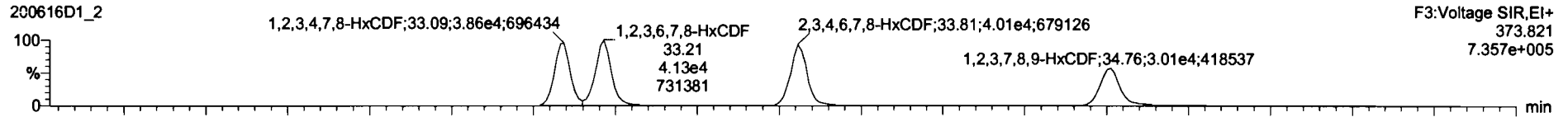


Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

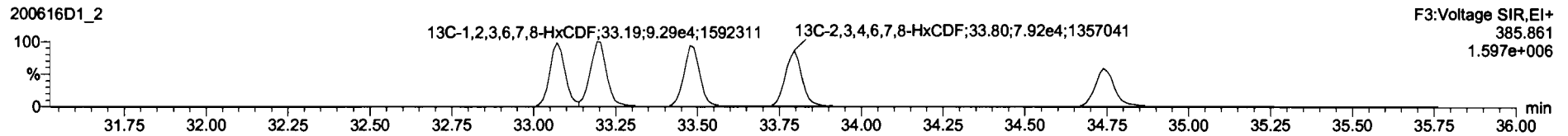
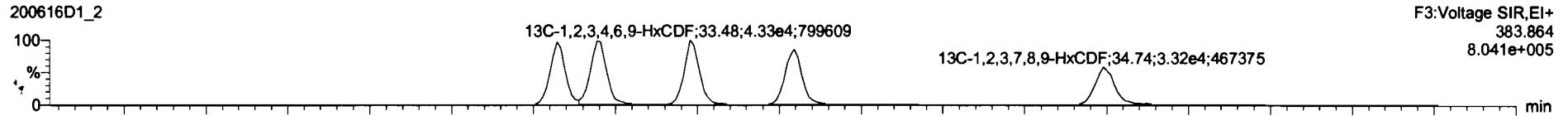
Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR

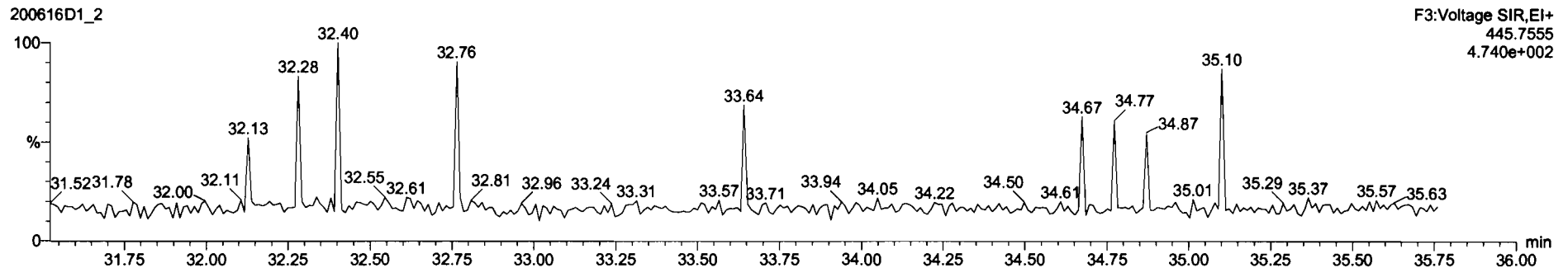
1,2,3,4,7,8-HxCDF



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



DPE3



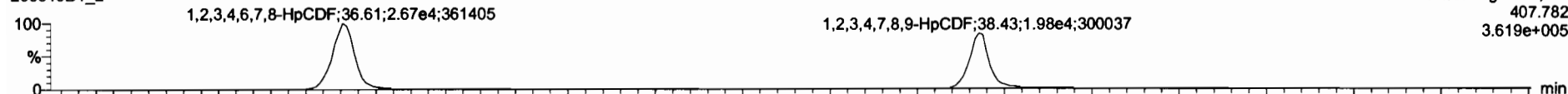
Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

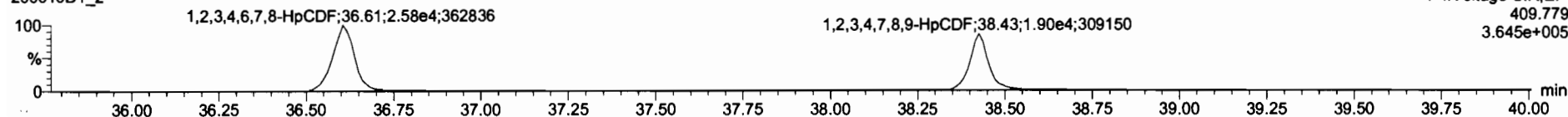
Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR

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

200616D1_2

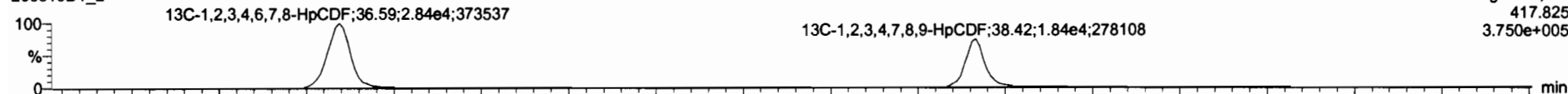


200616D1_2

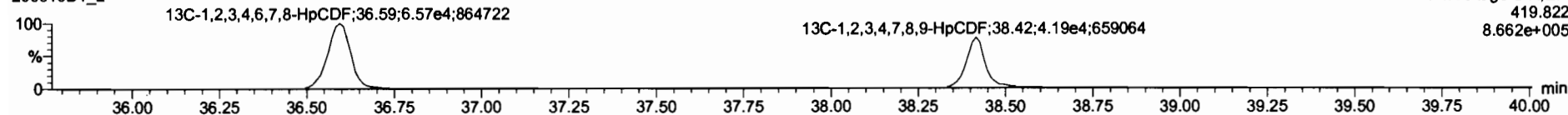


13C-1,2,3,4,6,7,8-HpCDF

200616D1_2

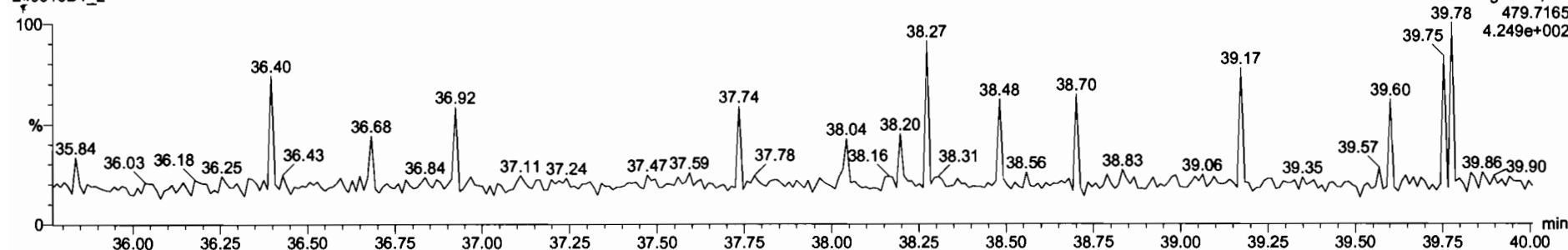


200616D1_2



DPE4

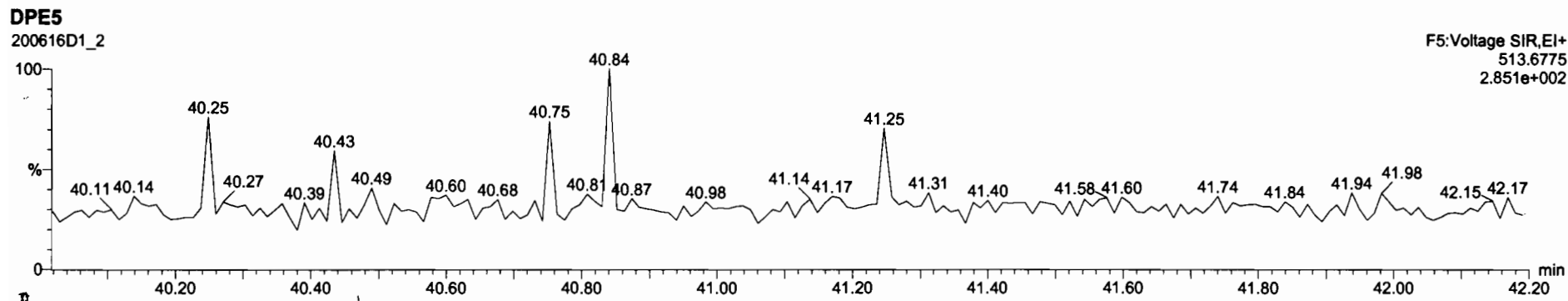
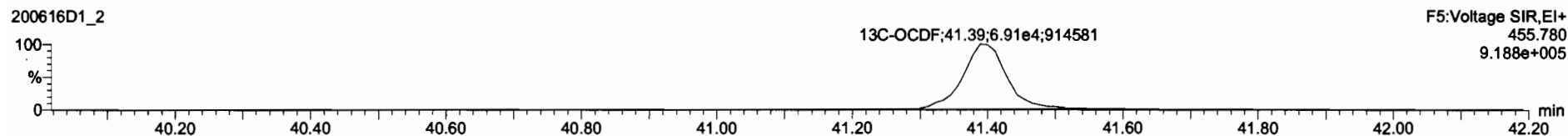
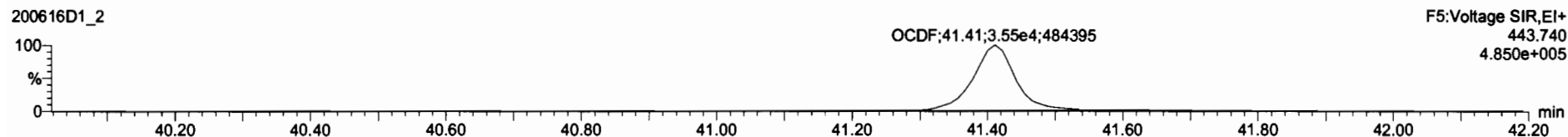
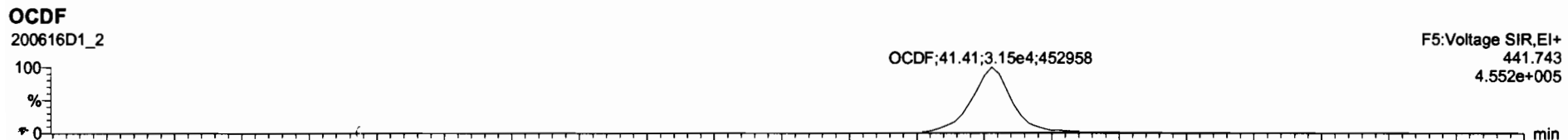
200616D1_2



Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

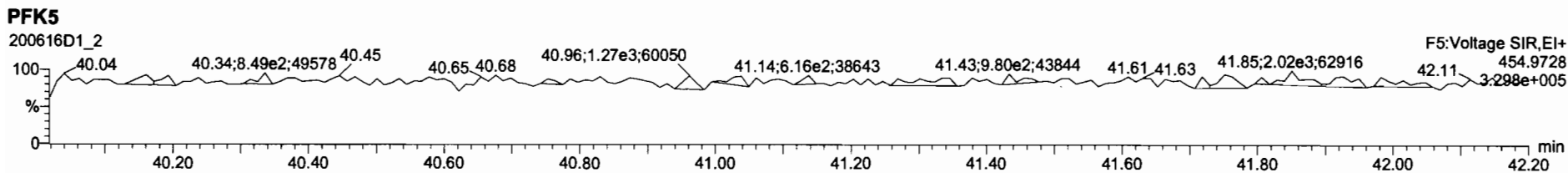
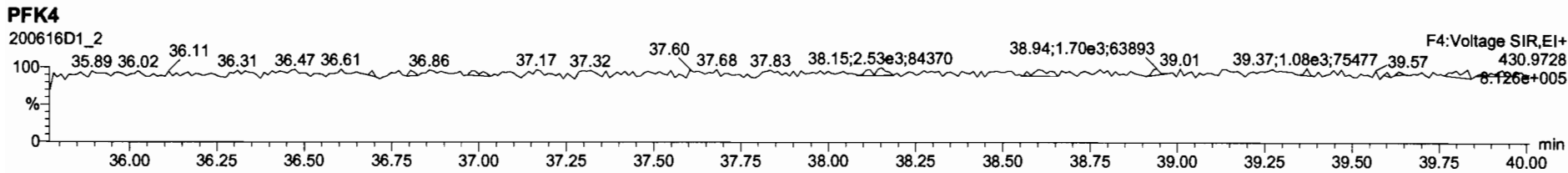
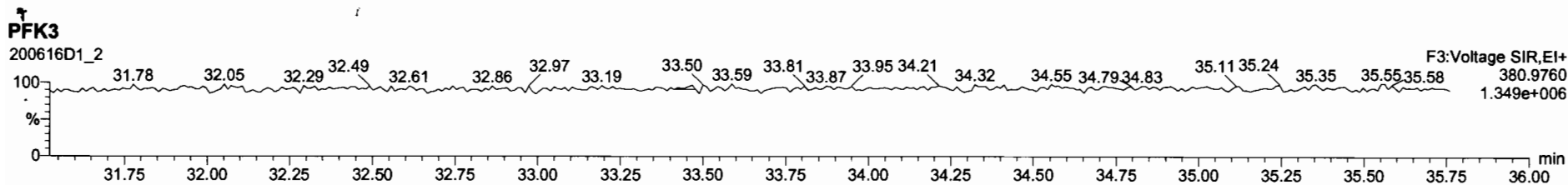
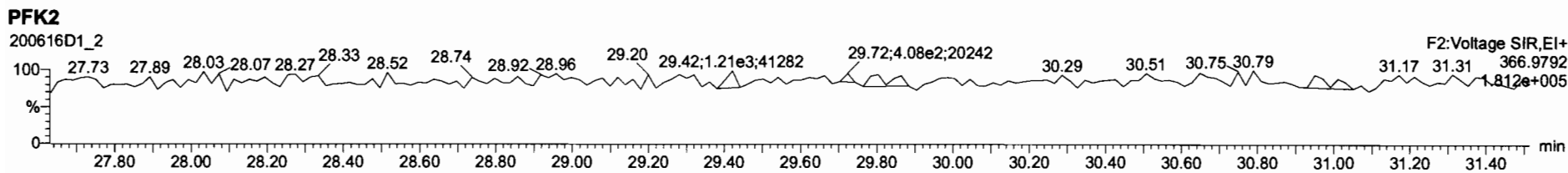
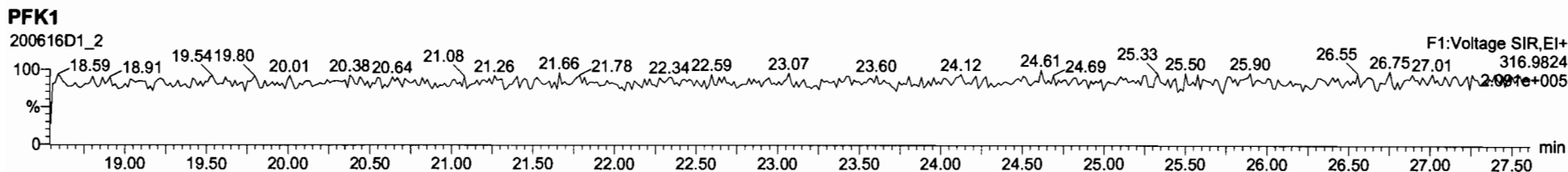
Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR



Dataset: U:\VG7.PRO\Results\200616D1\200616D1_2.qld

Last Altered: Tuesday, June 16, 2020 14:30:56 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 14:31:58 Pacific Daylight Time

Name: 200616D1_2, Date: 16-Jun-2020, Time: 13:37:34, ID: B0F0043-BS1 OPR 10, Description: OPR



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

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

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

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

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

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

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

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

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

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

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

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

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

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\1db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

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

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	25.48	2.011e3	1.458e3	1.128e2	9.042e1	1.25	YES	0.000e0	0.00000	0.59644	0.189

Penta-Furans function 1

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

Vista Analytical Laboratory

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

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

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

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

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

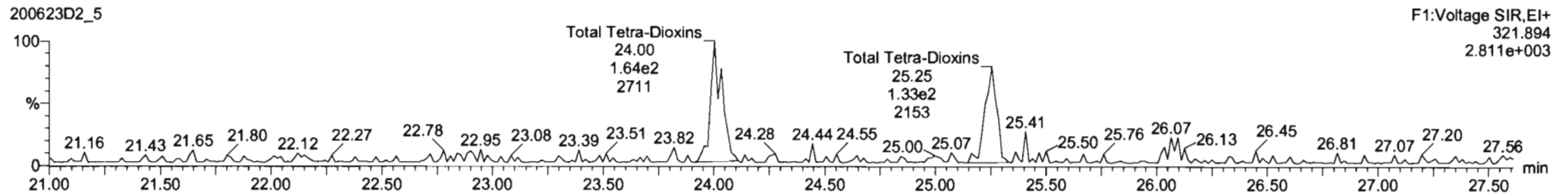
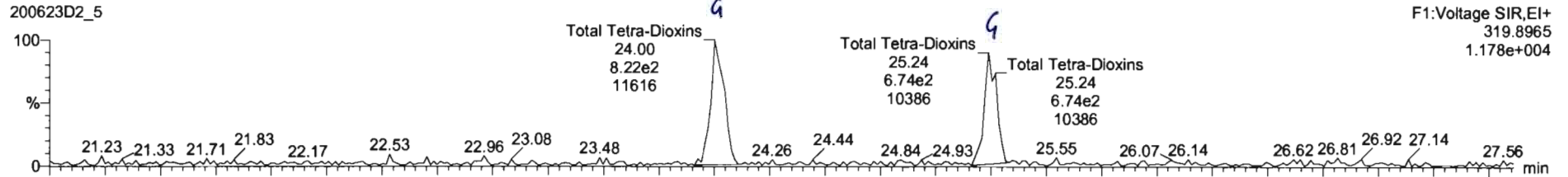
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

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

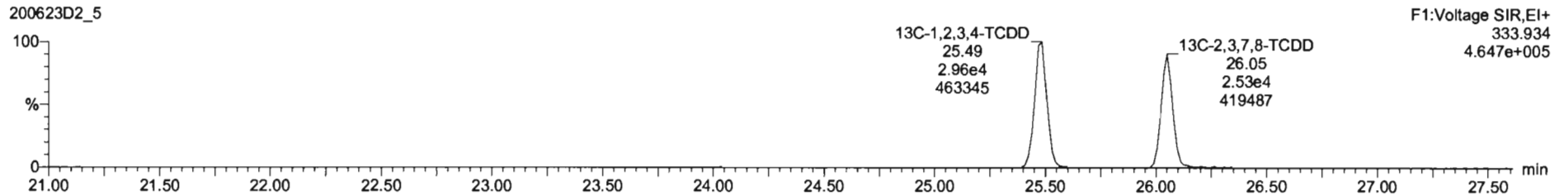
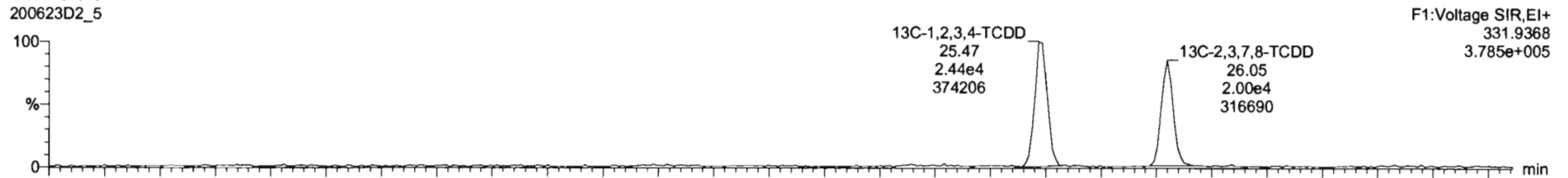
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

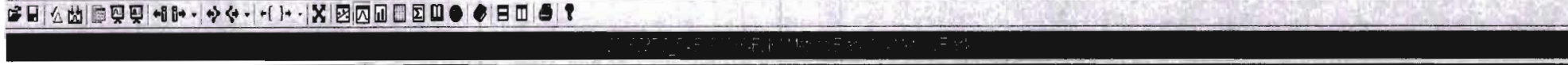
Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDD

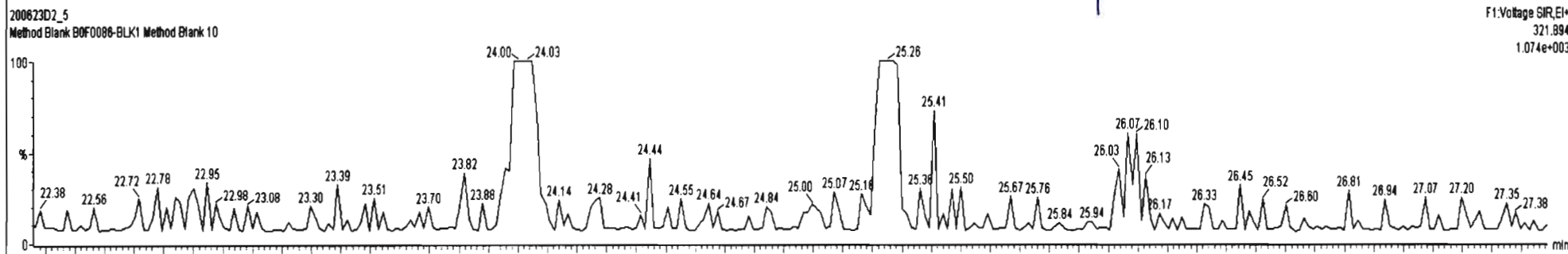


13C-2,3,7,8-TCDD

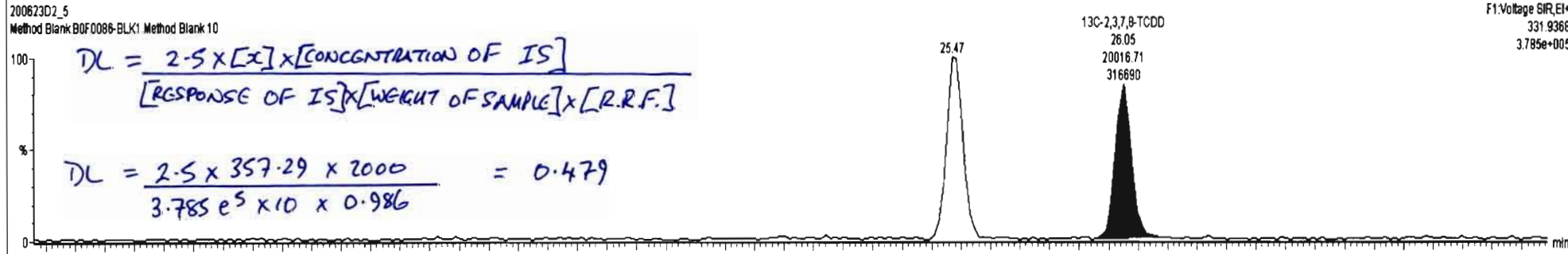




F1:Voltage SIR,El+
319.8965
1.846e+003

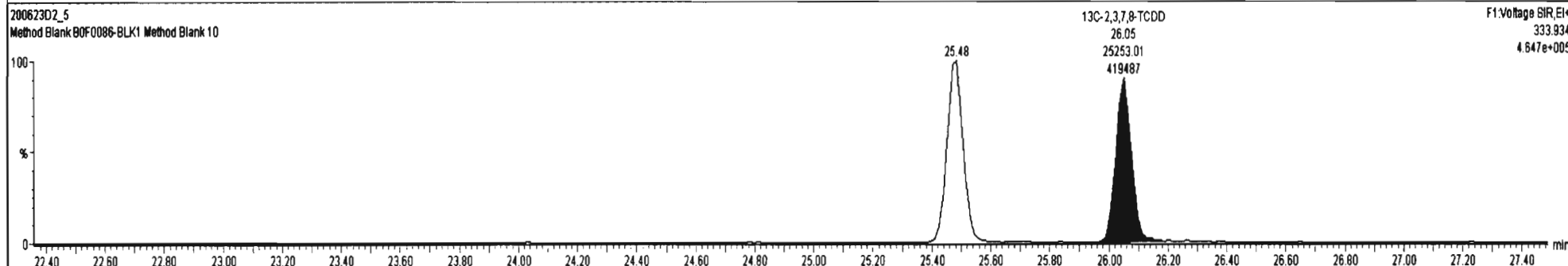


F1:Voltage SIR,El+
321.894
1.074e+003



13C-2,3,7,8-TCDD
26.05
20016.71
316690

F1:Voltage SIR,El+
331.9368
3.785e+005



13C-2,3,7,8-TCDD
26.05
25253.01
419487

F1:Voltage SIR,El+
333.934
4.847e+005

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

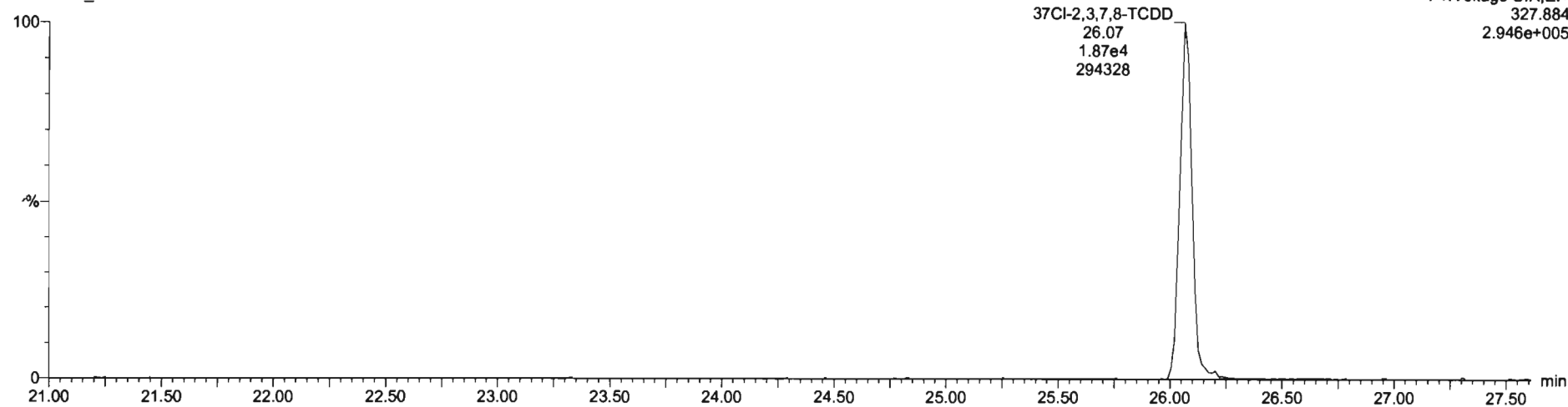
Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time

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

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

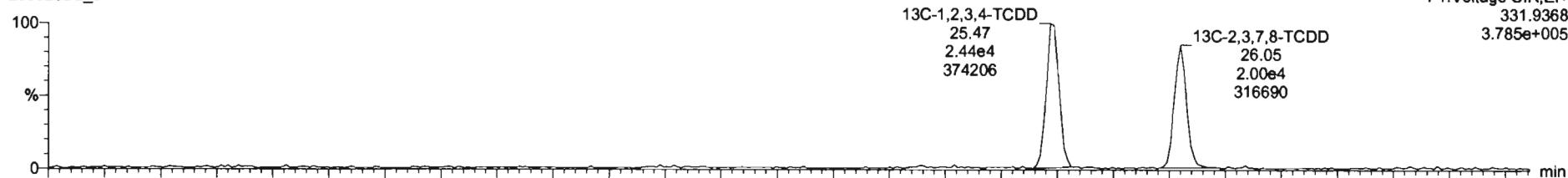
37Cl-2,3,7,8-TCDD

200623D2_5

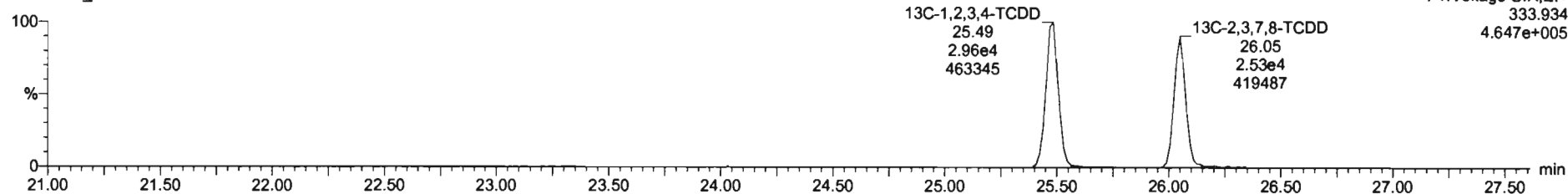


13C-1,2,3,4-TCDD

200623D2_5



200623D2_5



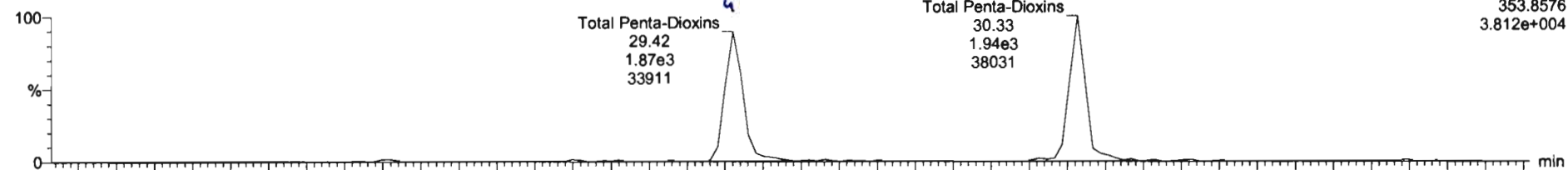
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Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

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

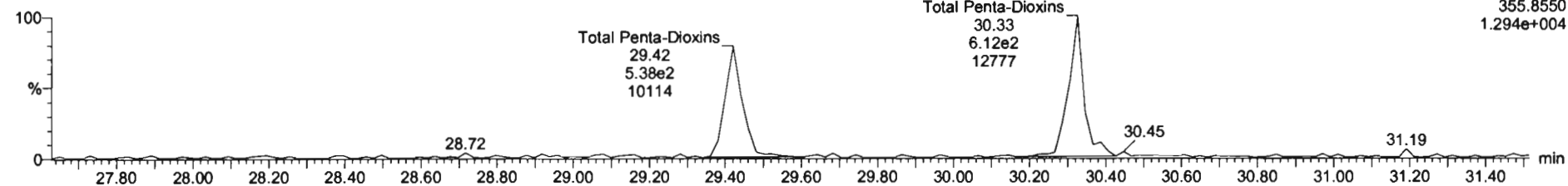
1,2,3,7,8-PeCDD

200623D2_5



F2:Voltage SIR,EI+
353.8576
3.812e+004

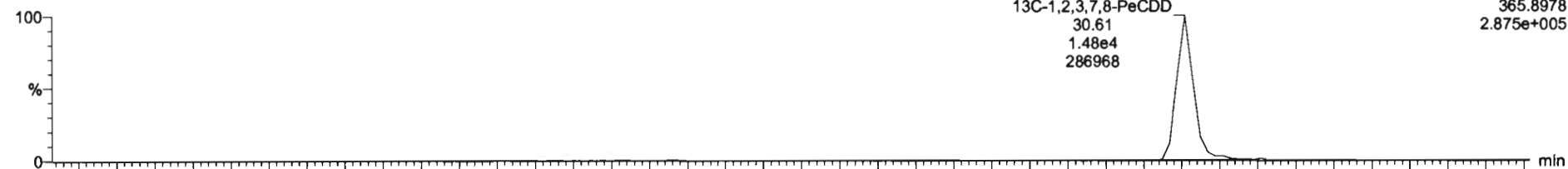
200623D2_5



F2:Voltage SIR,EI+
355.8550
1.294e+004

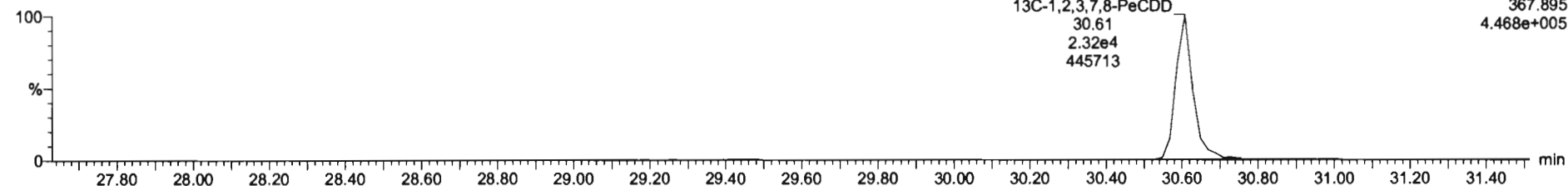
13C-1,2,3,7,8-PeCDD

200623D2_5



F2:Voltage SIR,EI+
365.8978
2.875e+005

200623D2_5



F2:Voltage SIR,EI+
367.895
4.468e+005

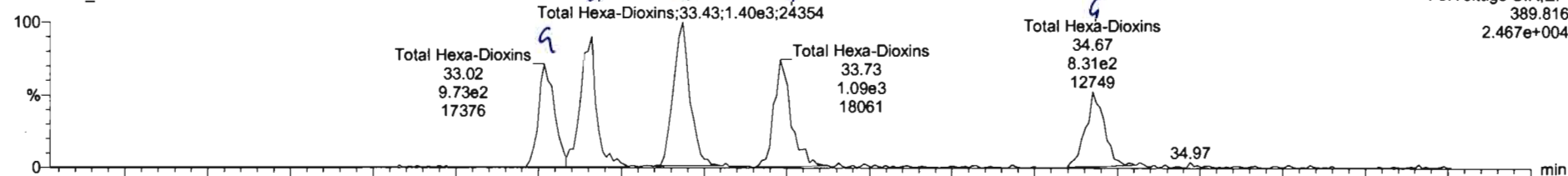
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Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
 Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

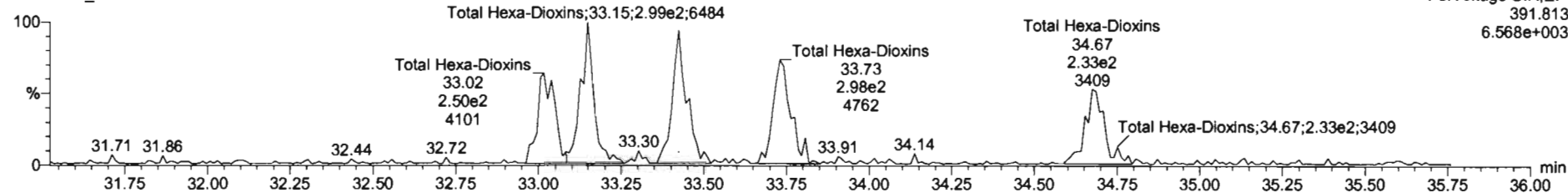
Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

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

200623D2_5

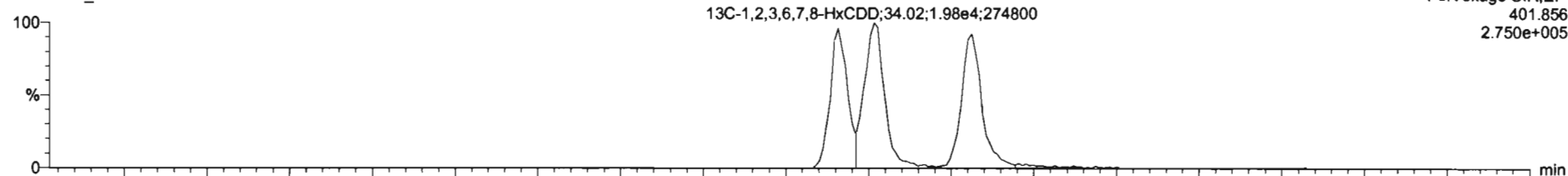


200623D2_5

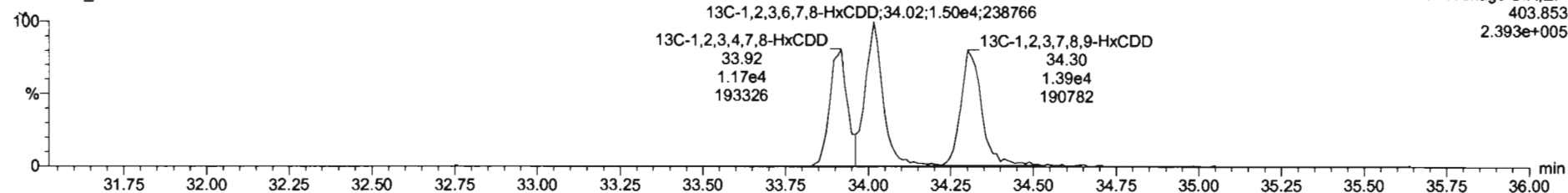


13C-1,2,3,4,7,8-HxCDD

200623D2_5



200623D2_5

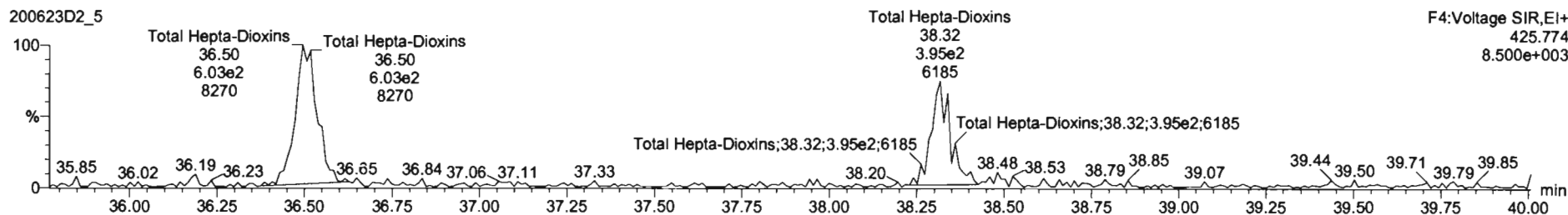
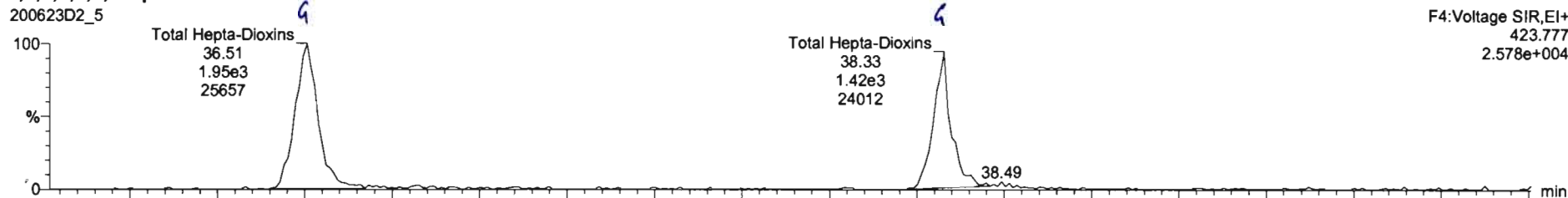


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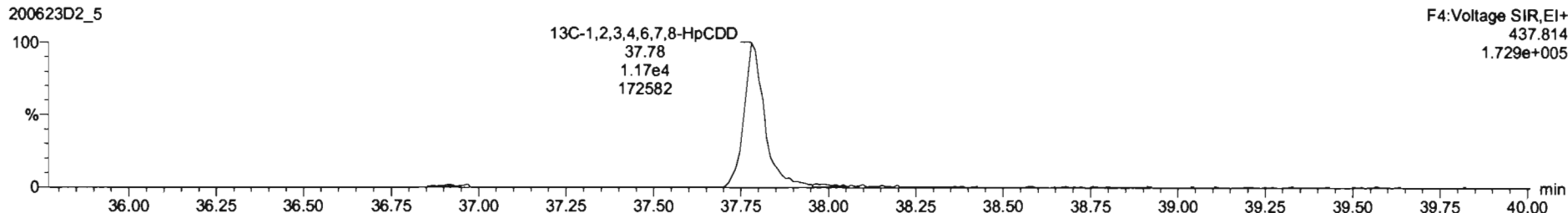
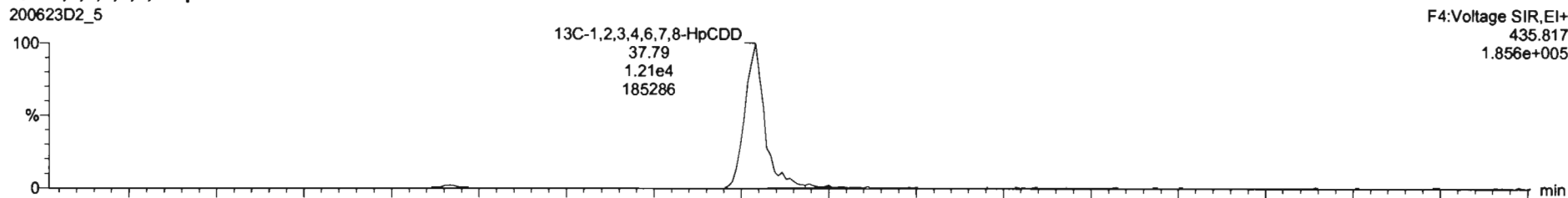
Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

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

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



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



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

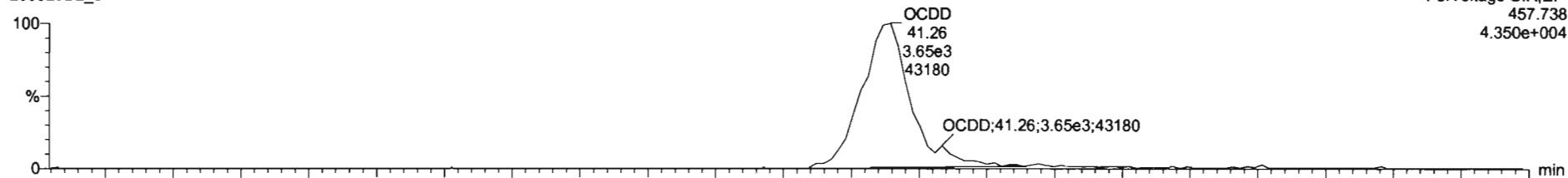
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Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

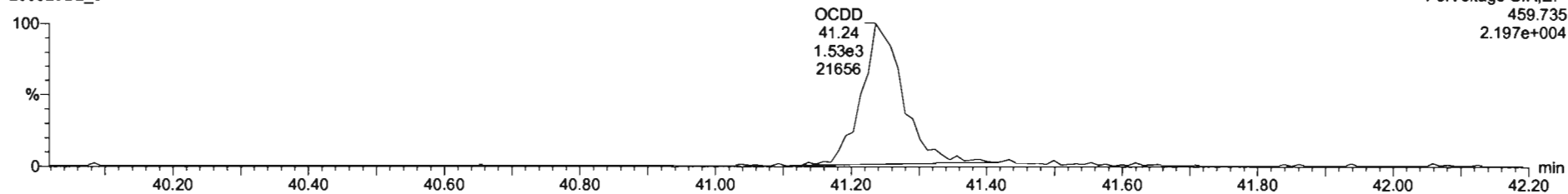
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OCDD

200623D2_5

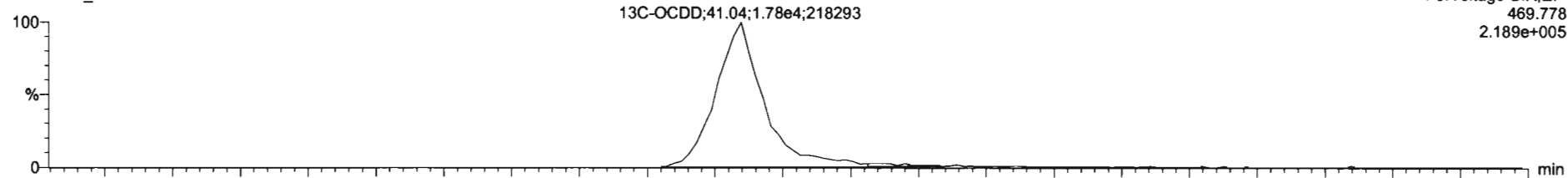


200623D2_5

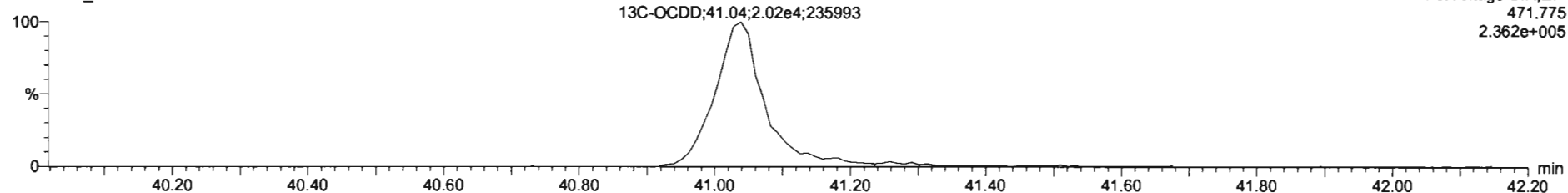


13C-OCDD

200623D2_5



200623D2_5



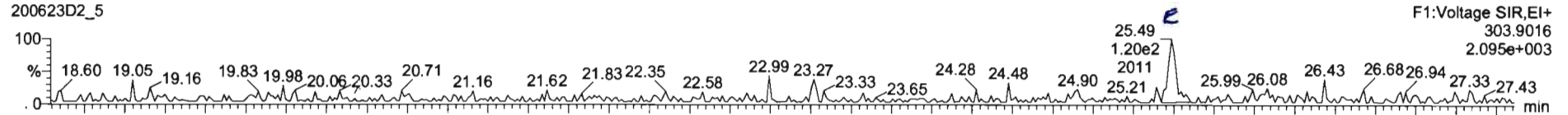
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Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

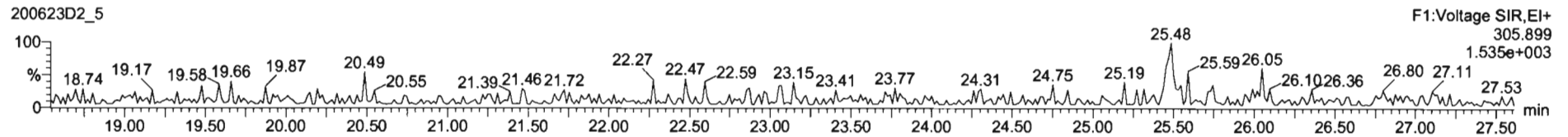
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2,3,7,8-TCDF

200623D2_5

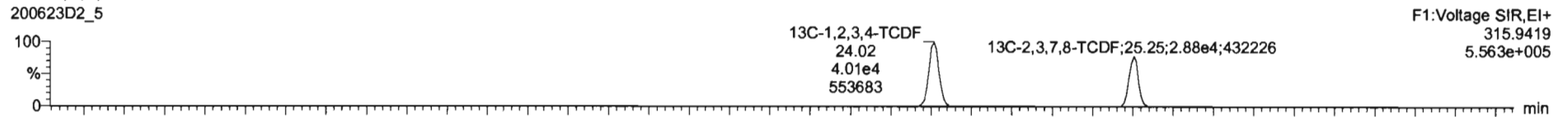


200623D2_5

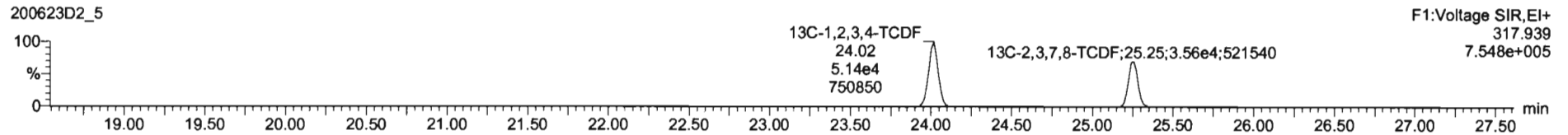


13C-2,3,7,8-TCDF

200623D2_5

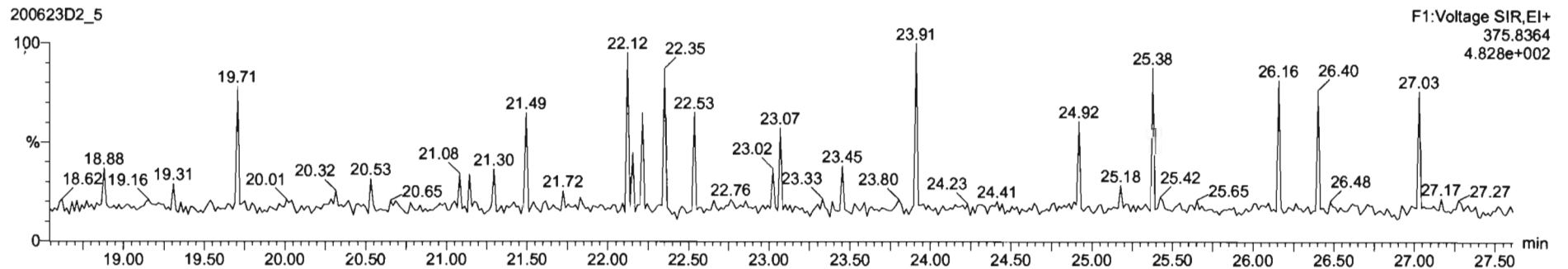


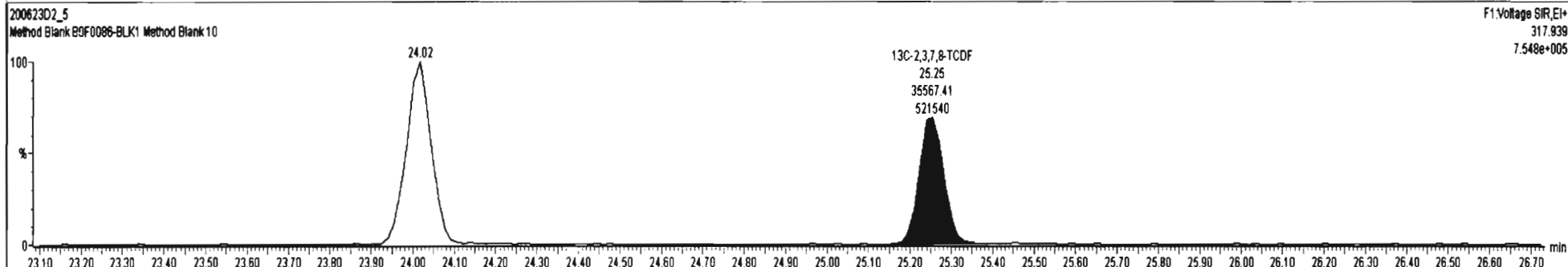
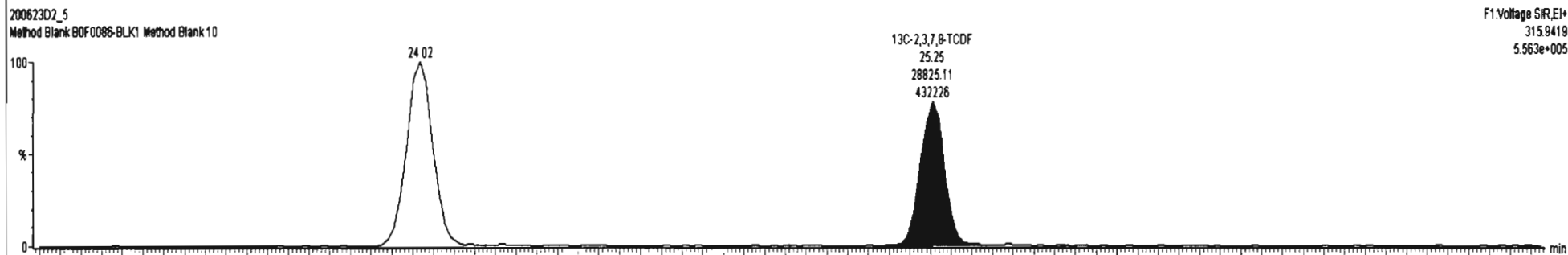
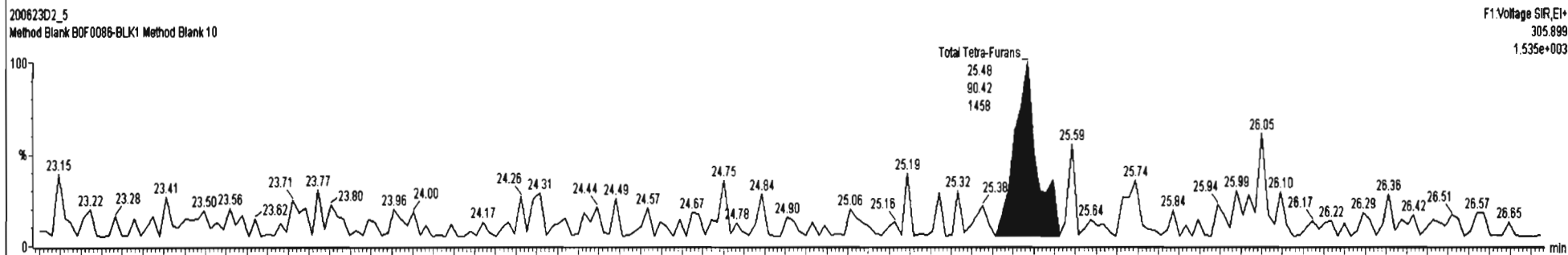
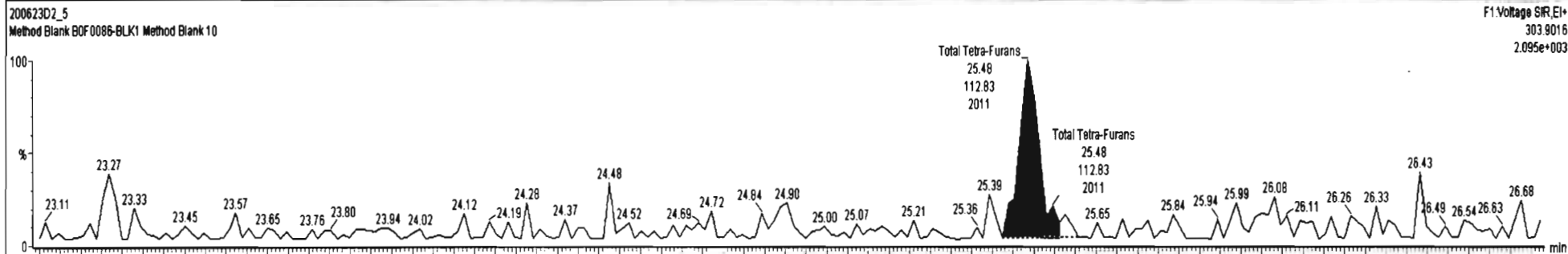
200623D2_5



DPE1

200623D2_5





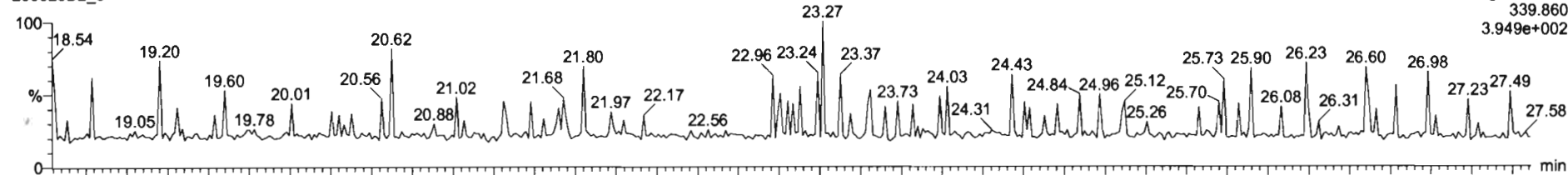
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

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

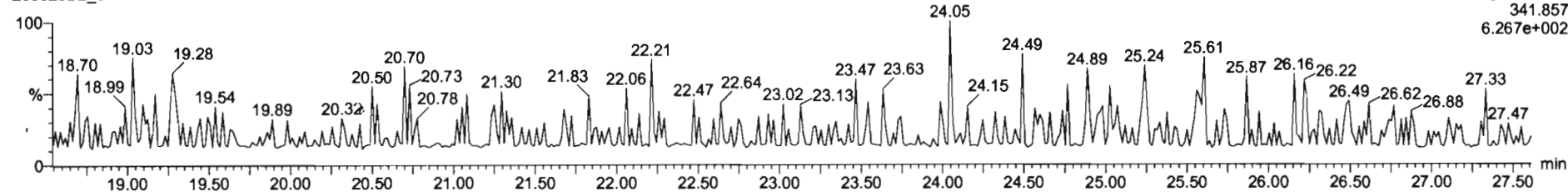
Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

1st Func. Penta-Furans

200623D2_5

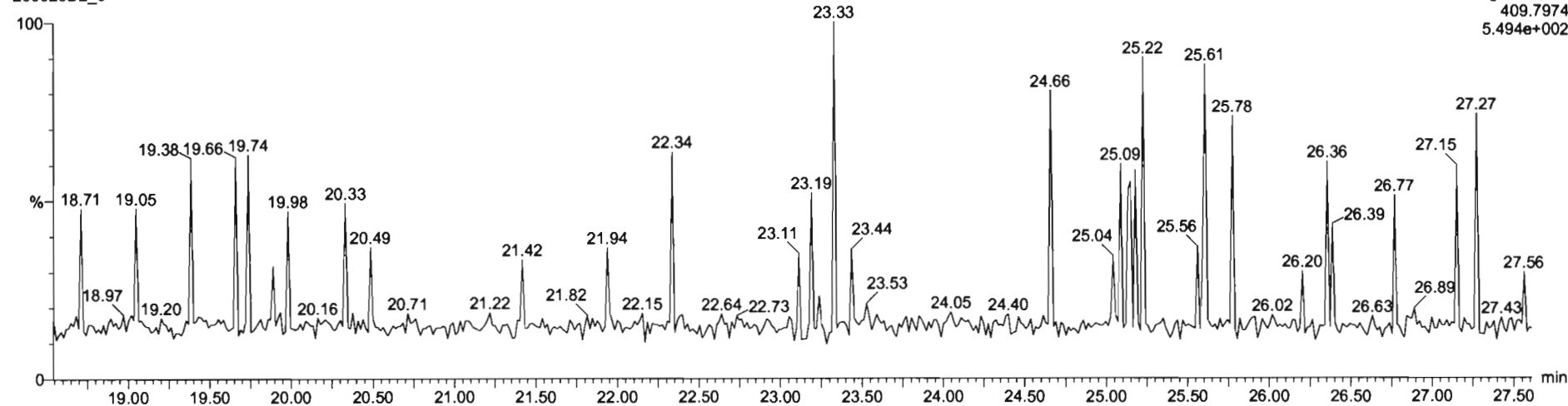


200623D2_5



DPE6

200623D2_5



Dataset: U:\VG7.PRO\Results\2\00623D2\200623D2_5.qld

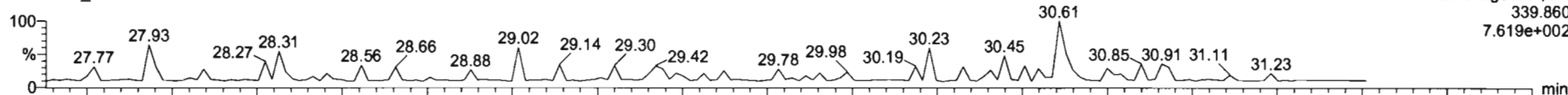
Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

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

1,2,3,7,8-PeCDF

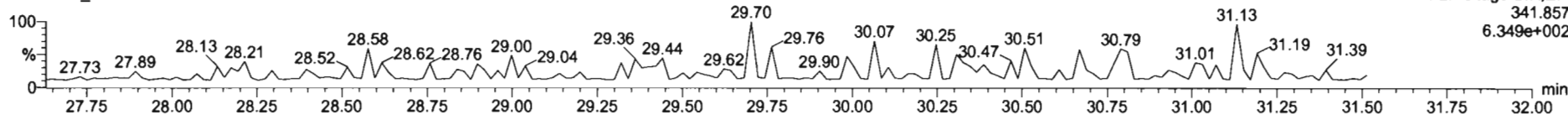
200623D2_5

F2:Voltage SIR,EI+
339.860
7.619e+002



200623D2_5

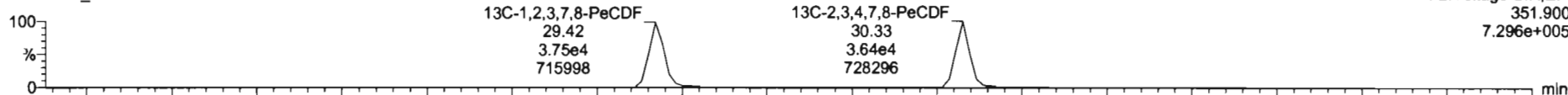
F2:Voltage SIR,EI+
341.857
6.349e+002



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

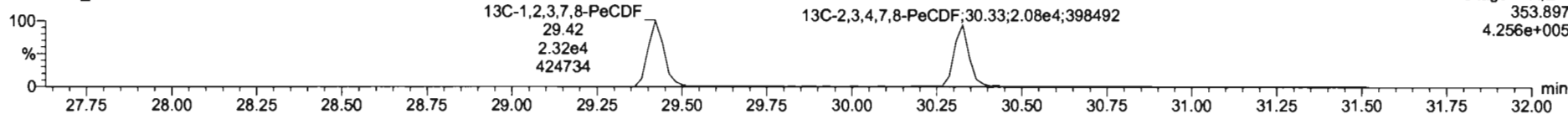
200623D2_5

F2:Voltage SIR,EI+
351.900
7.296e+005



200623D2_5

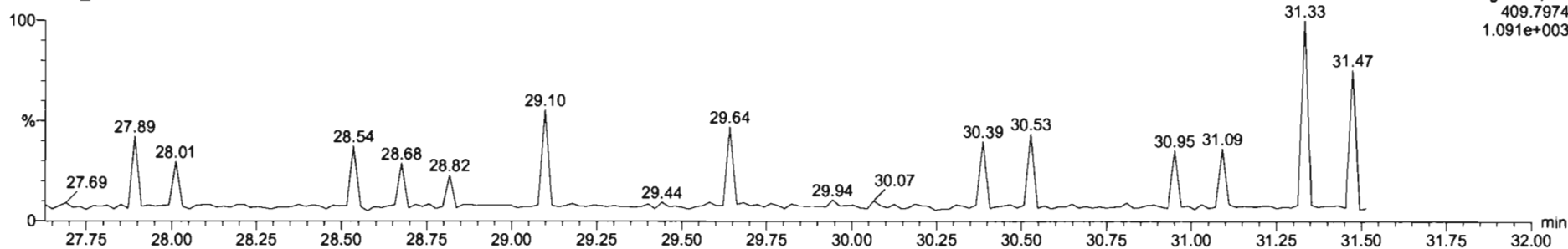
F2:Voltage SIR,EI+
353.897
4.256e+005



DPE2

200623D2_5

F2:Voltage SIR,EI+
409.7974
1.091e+003



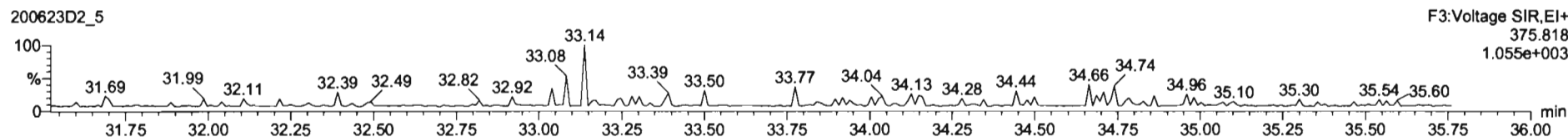
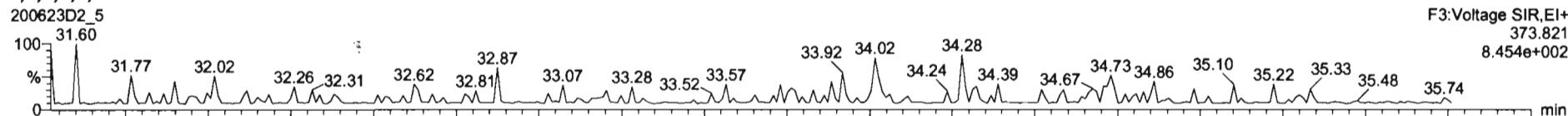
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Last Altered: Wednesday, June 24, 2020 10:39:45 Pacific Daylight Time

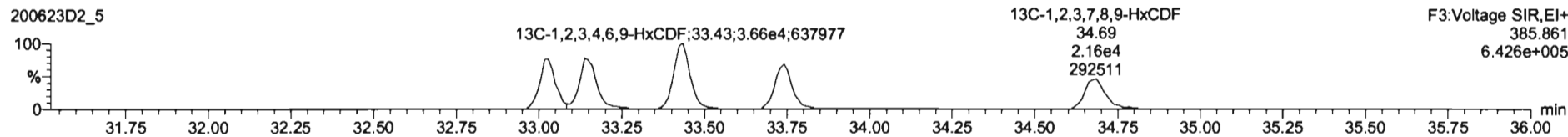
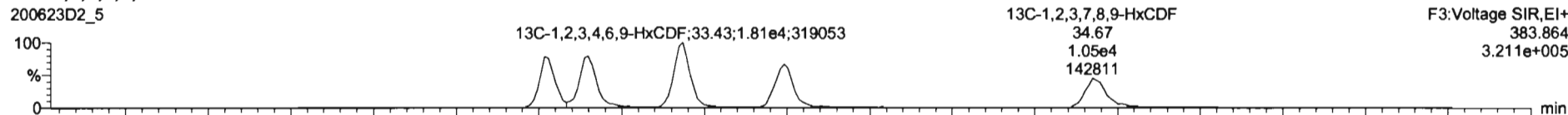
Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

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

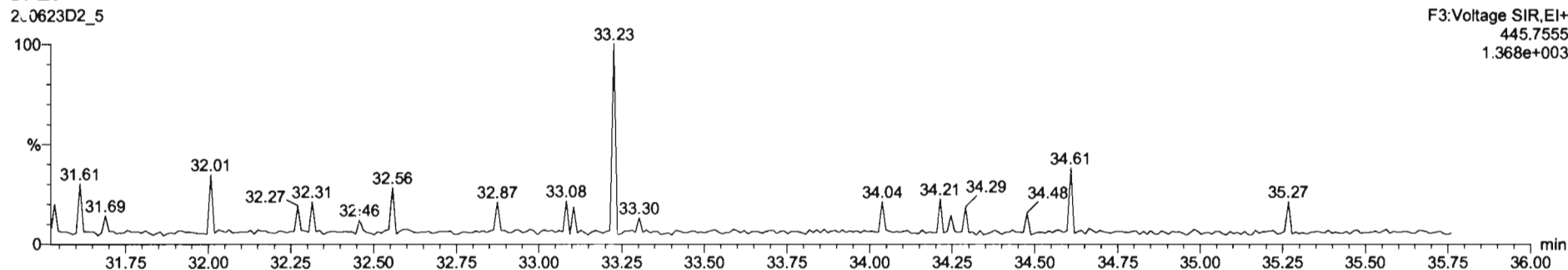
1,2,3,4,7,8-HxCDF



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



DPE3

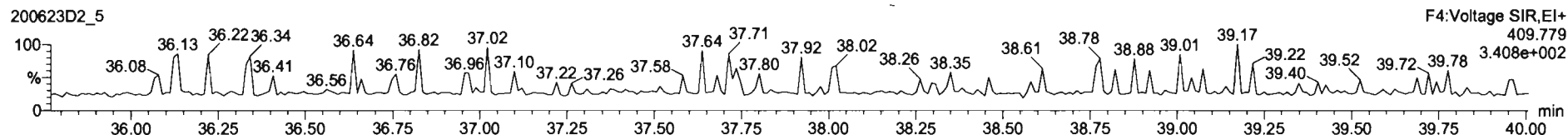
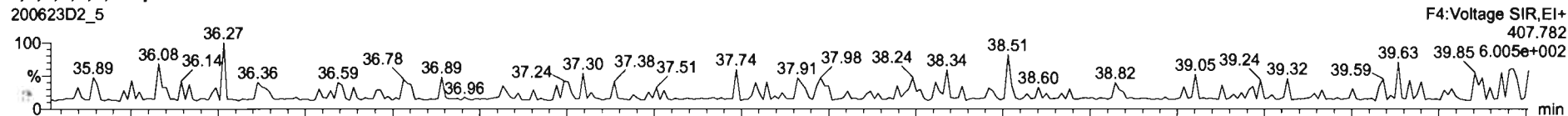


Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

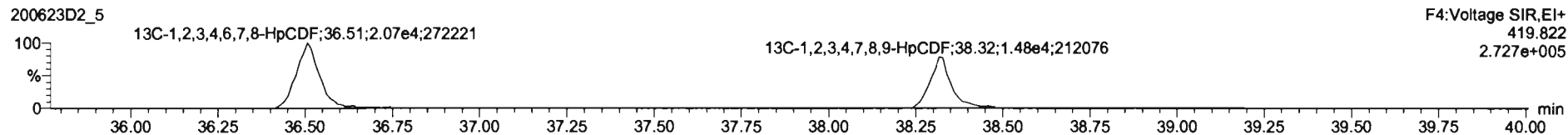
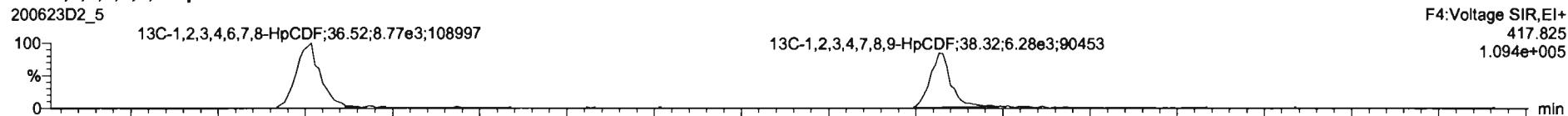
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Printed: Wednesday, June 24, 2020 11:51:13 Pacific Daylight Time

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

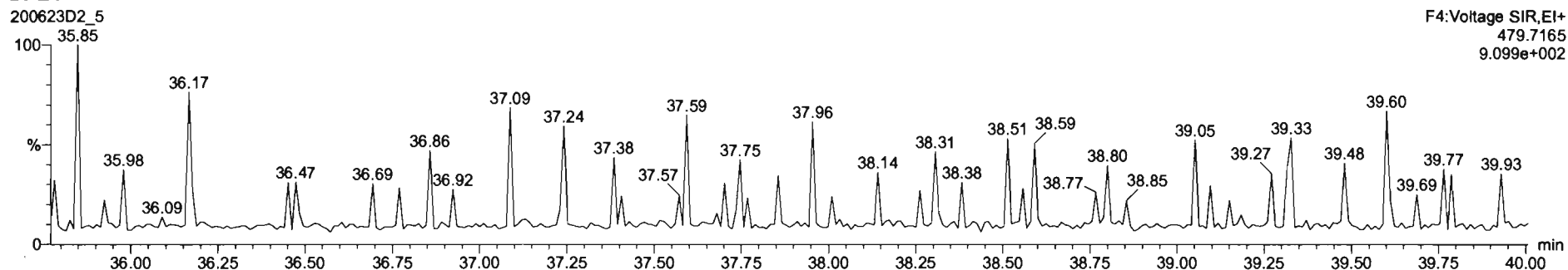
1,2,3,4,6,7,8-HpCDF



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



DPE4



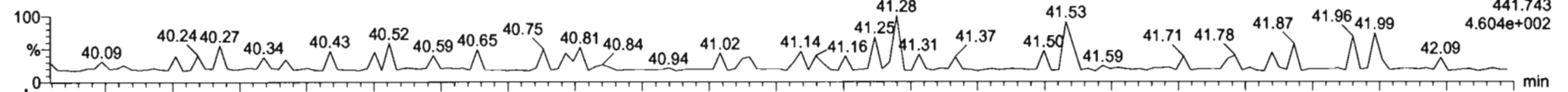
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_5.qld

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

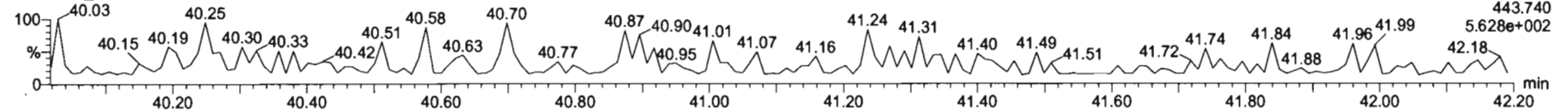
Name: 200623D2_5, Date: 24-Jun-2020, Time: 00:26:03, ID: B0F0086-BLK1 Method Blank 10, Description: Method Blank

OCDF

200623D2_5

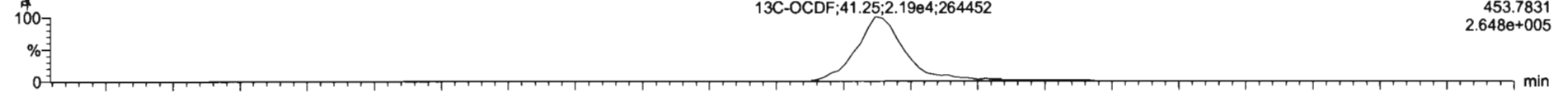


200623D2_5

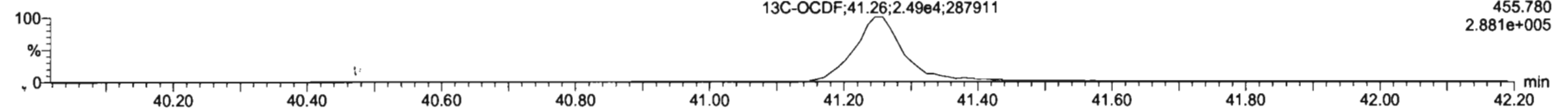


13C-OCDF

200623D2_5

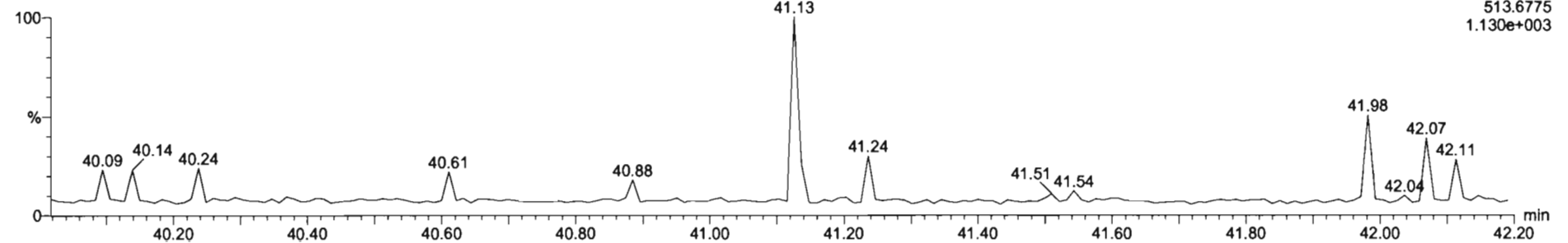


200623D2_5



DPE5

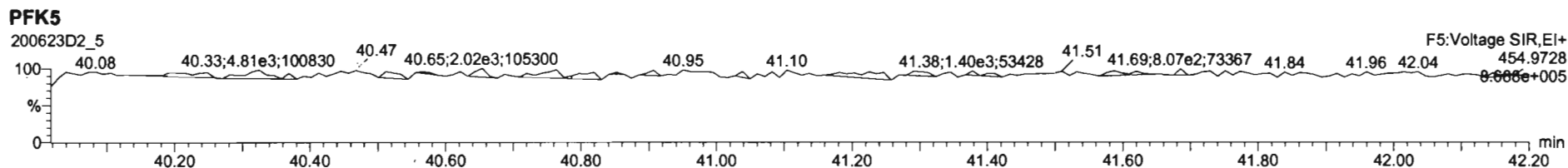
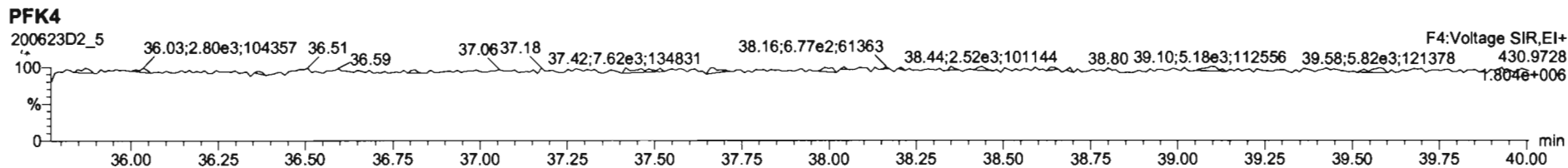
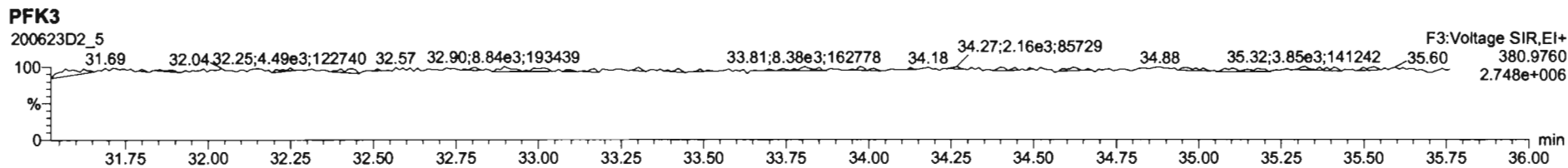
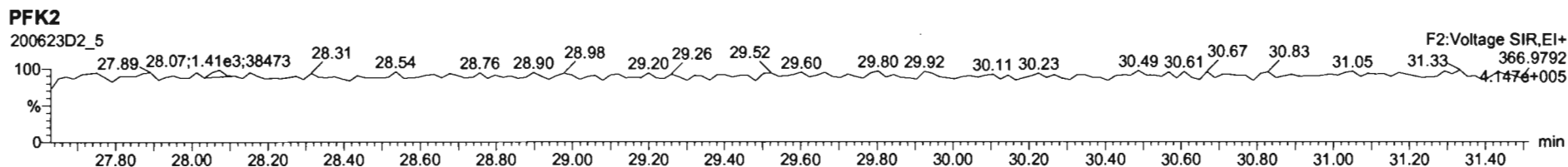
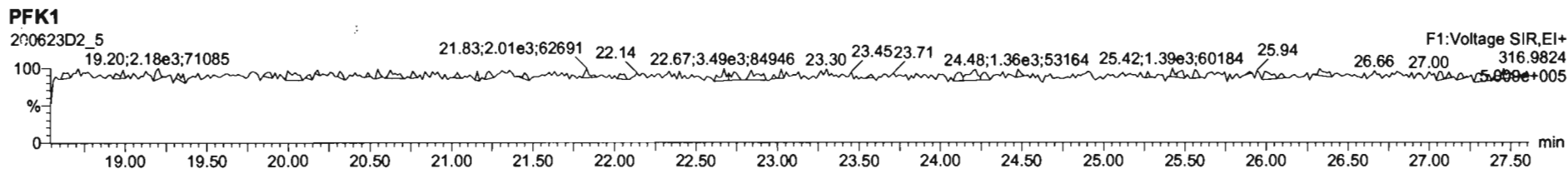
200623D2_5



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

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

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



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

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

DB 6/24/20 0706/25/2020

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

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

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

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

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

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

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

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

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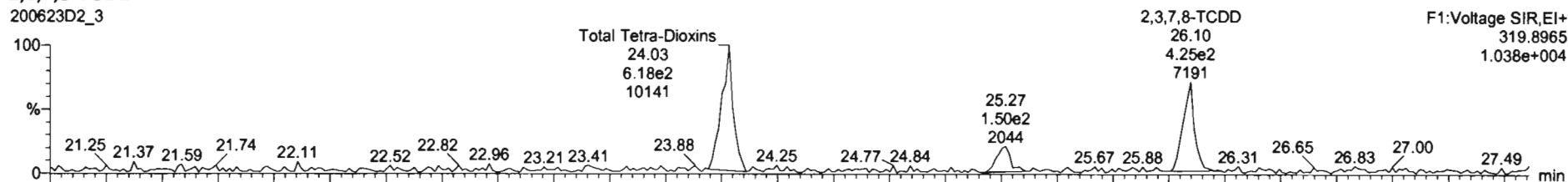
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Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

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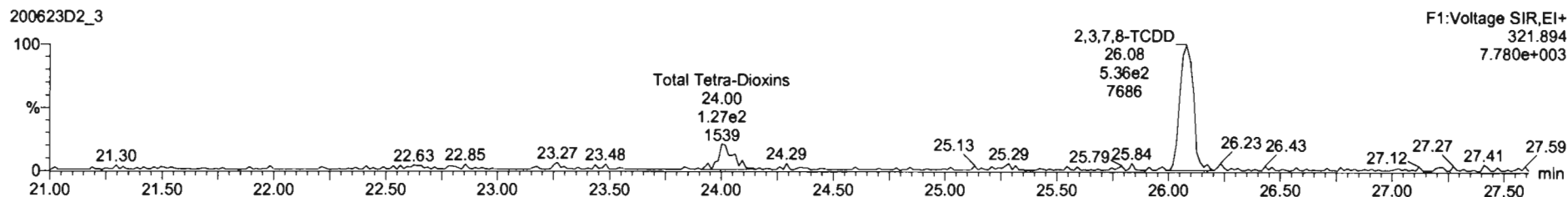
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2,3,7,8-TCDD

200623D2_3

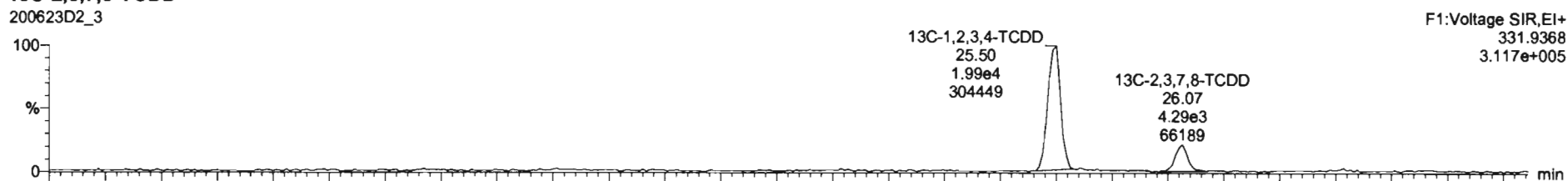


200623D2_3

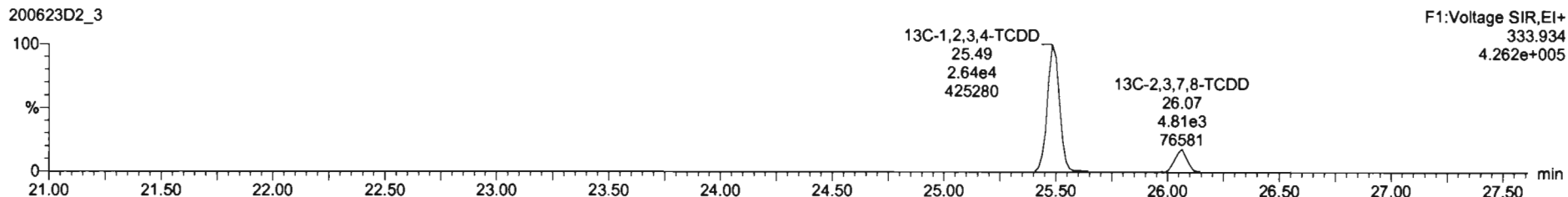


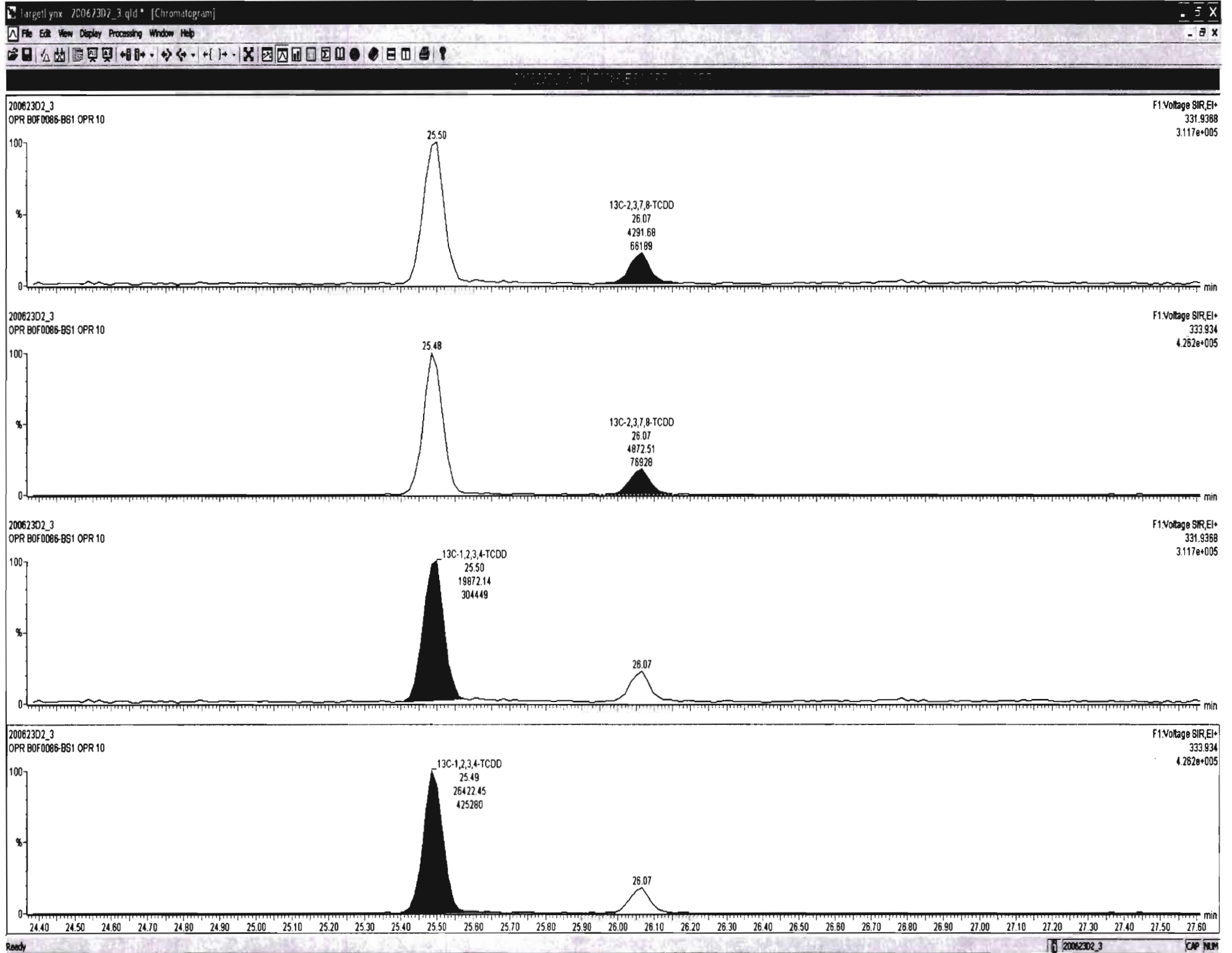
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200623D2_3



200623D2_3





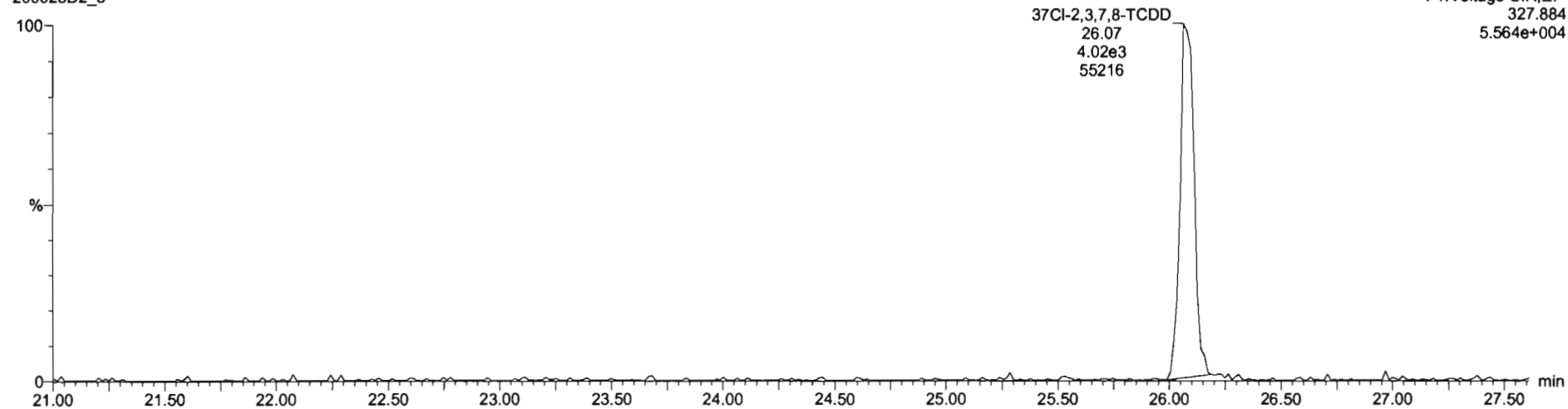
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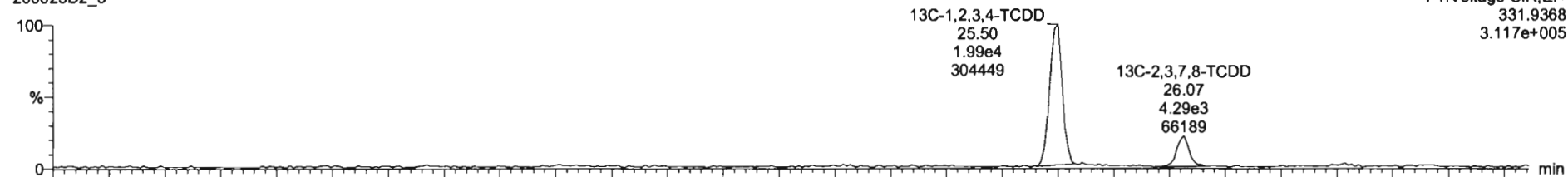
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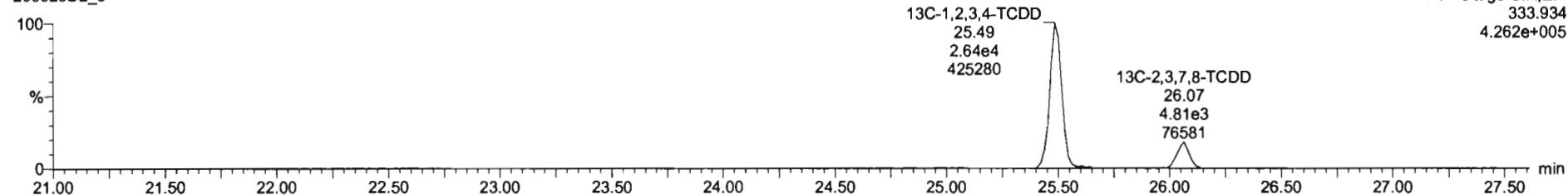


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200623D2_3



200623D2_3



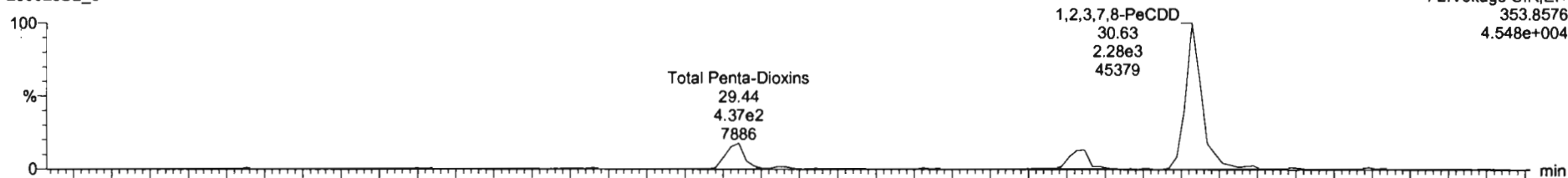
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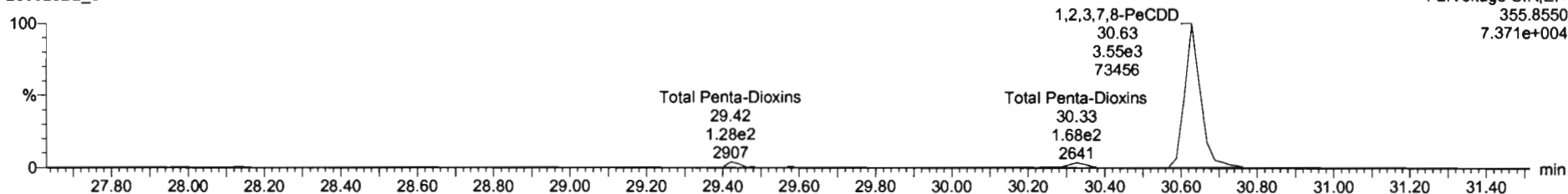
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1,2,3,7,8-PeCDD

200623D2_3

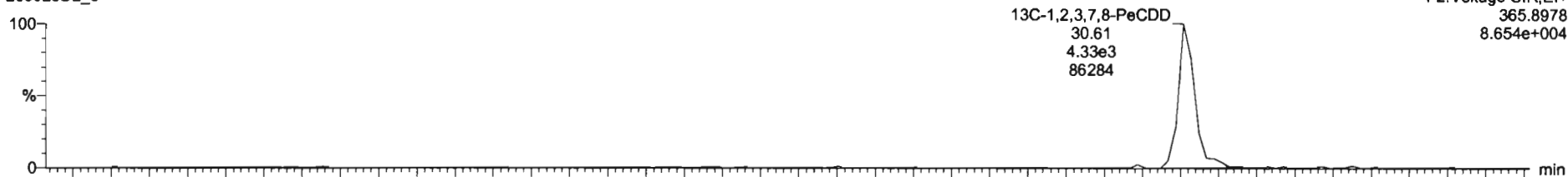


200623D2_3

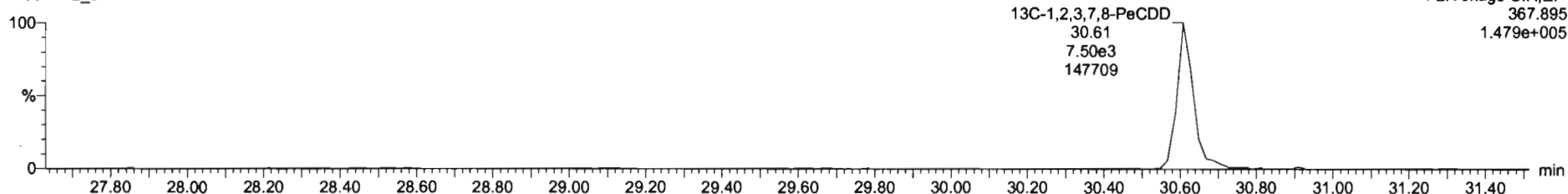


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200623D2_3



200623D2_3



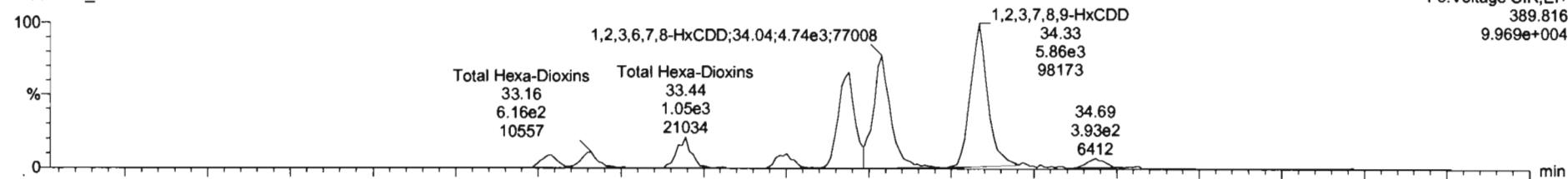
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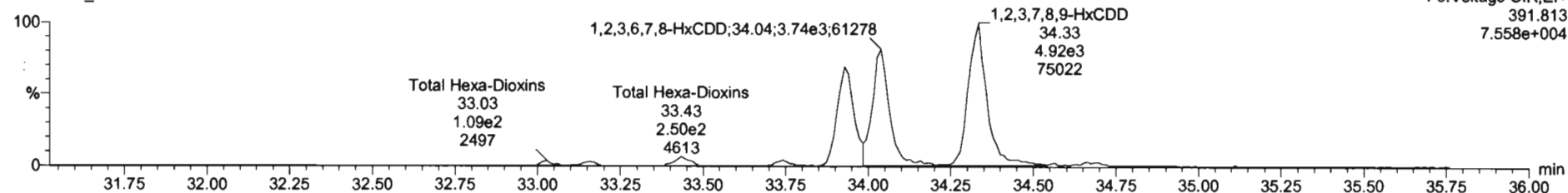
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1,2,3,4,7,8-HxCDD

200623D2_3

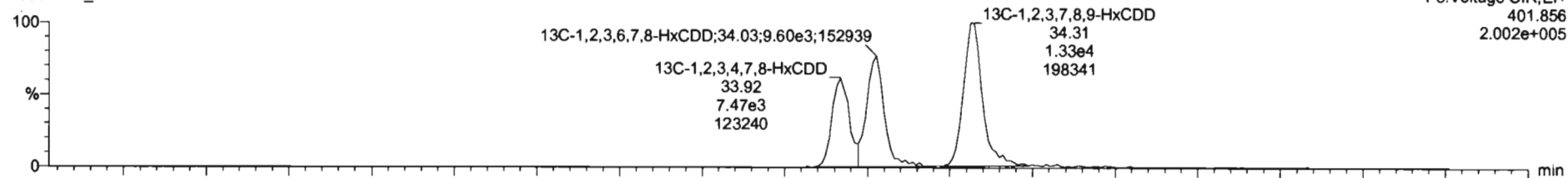


200623D2_3

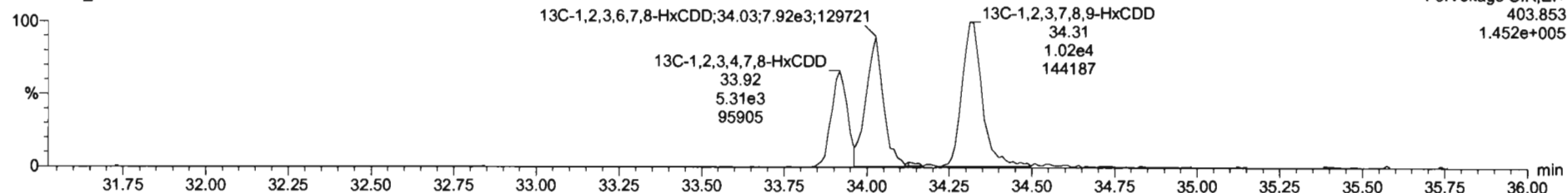


13C-1,2,3,4,7,8-HxCDD

200623D2_3



200623D2_3



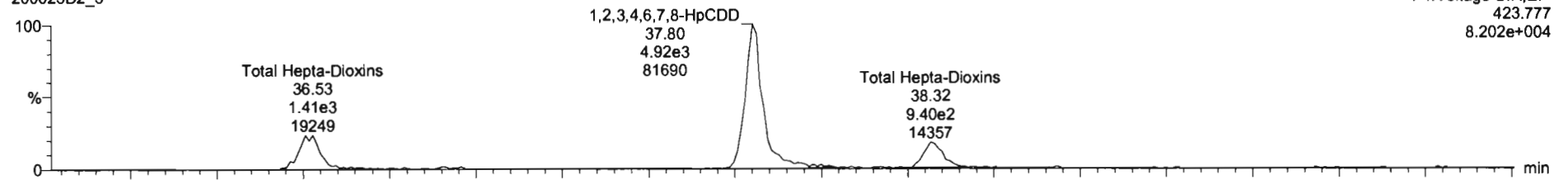
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Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

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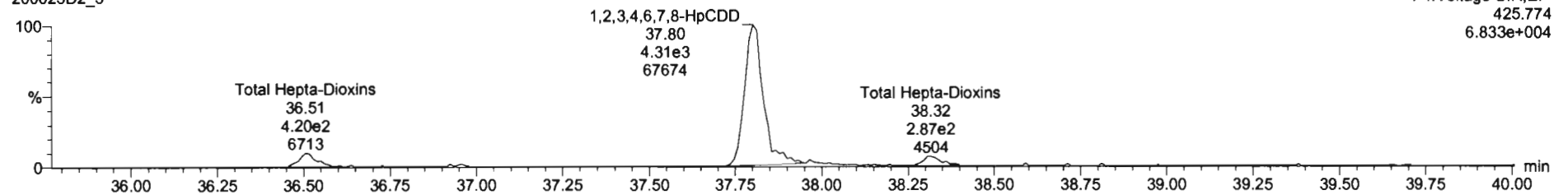
1,2,3,4,6,7,8-HpCDD

200623D2_3



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

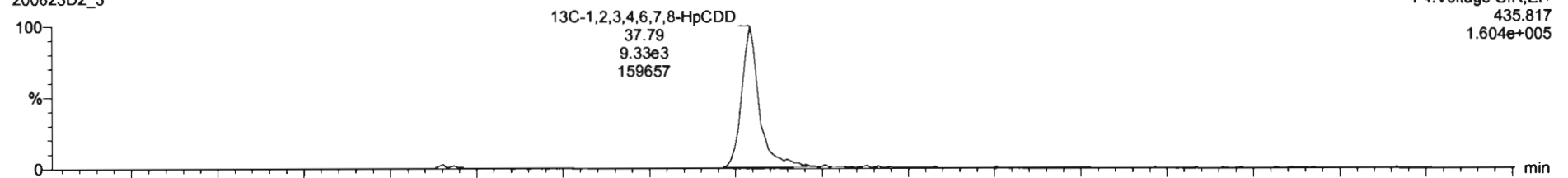
200623D2_3



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

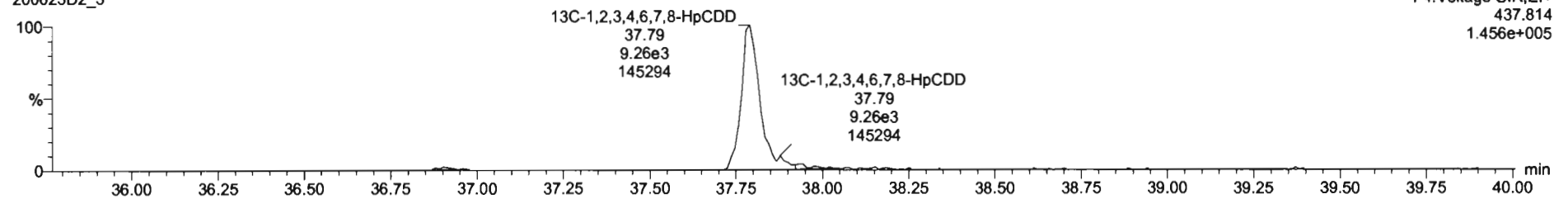
13C-1,2,3,4,6,7,8-HpCDD

200623D2_3



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

200623D2_3



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

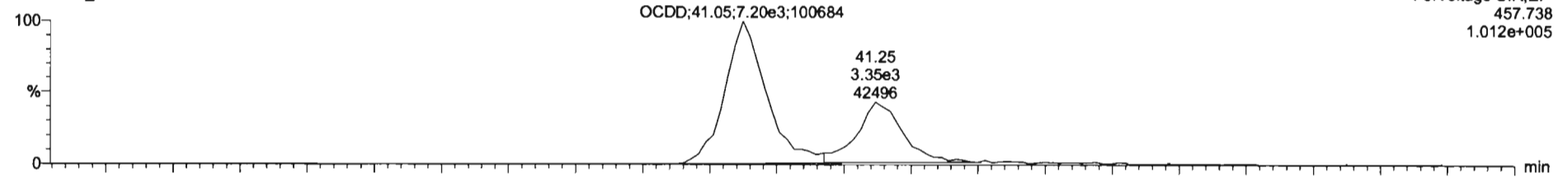
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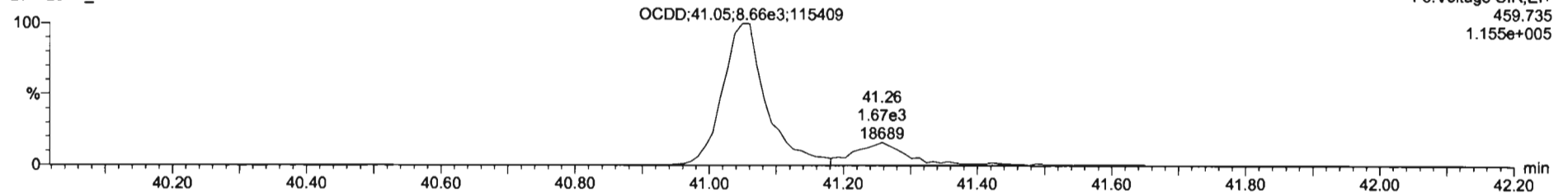
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OCDD

200623D2_3

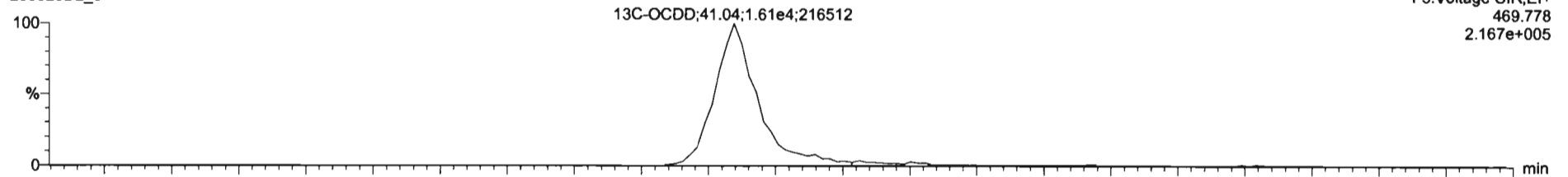


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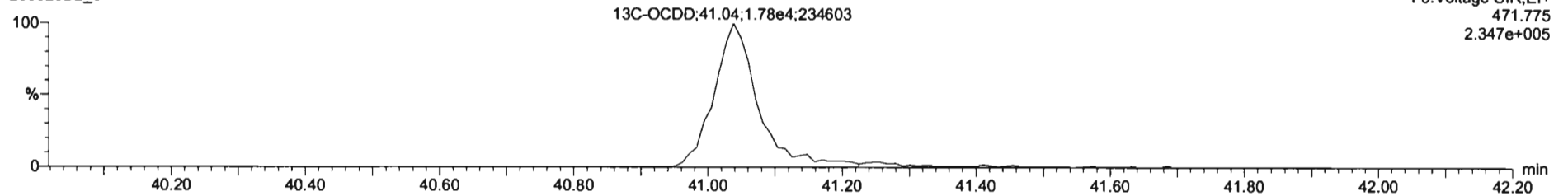


13C-OCDD

200623D2_3



200623D2_3



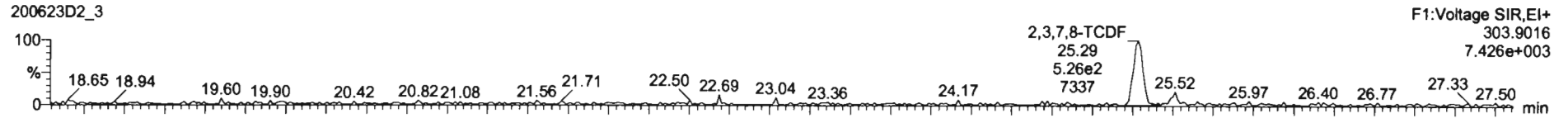
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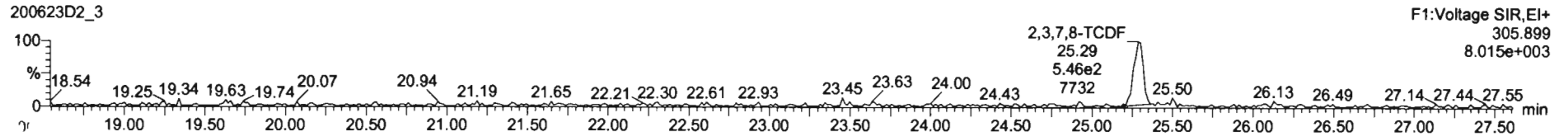
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2,3,7,8-TCDF

200623D2_3

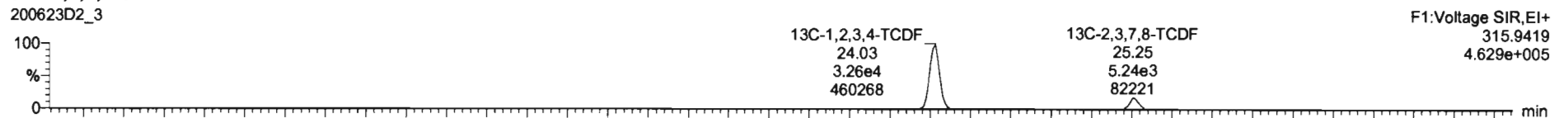


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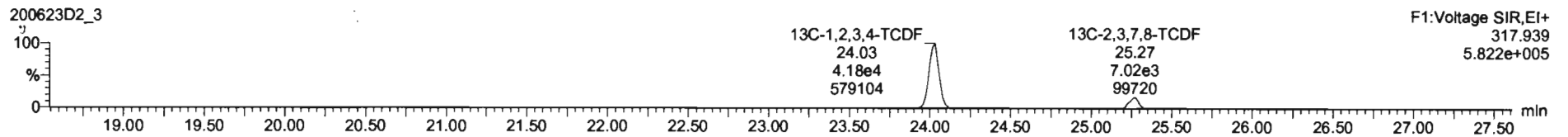


13C-2,3,7,8-TCDF

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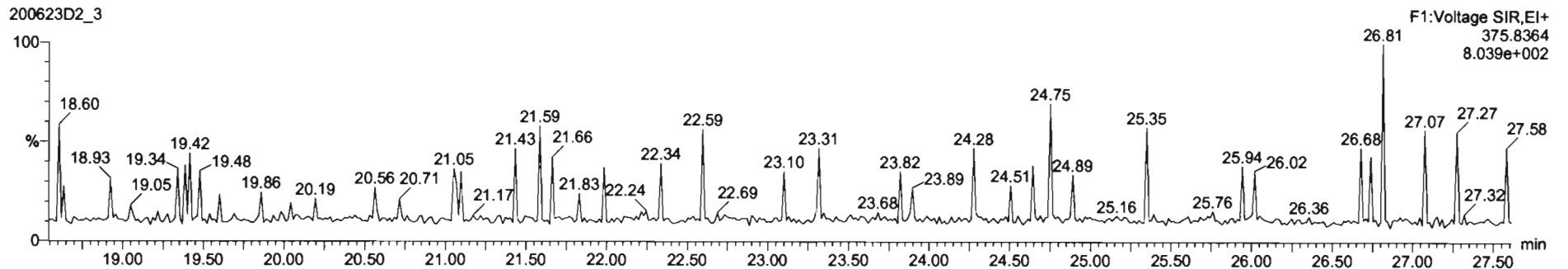


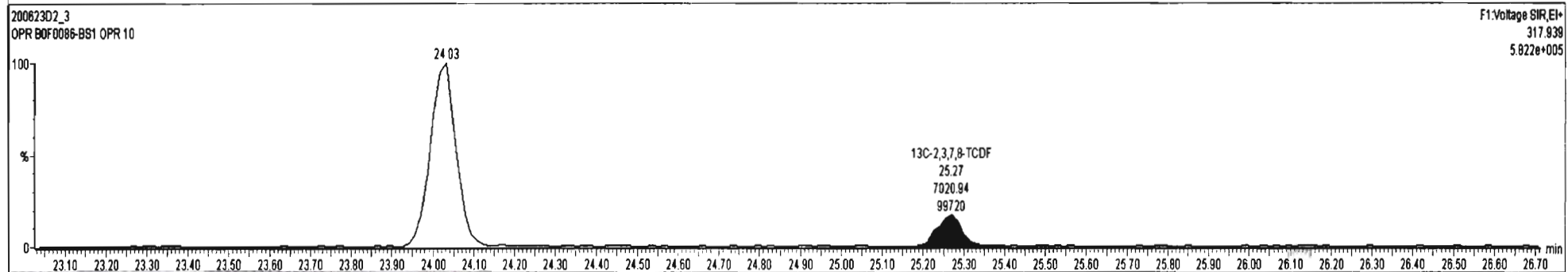
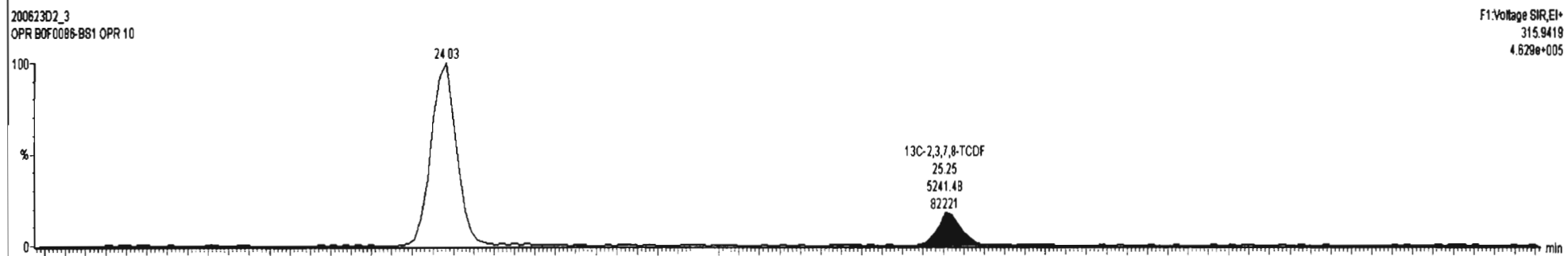
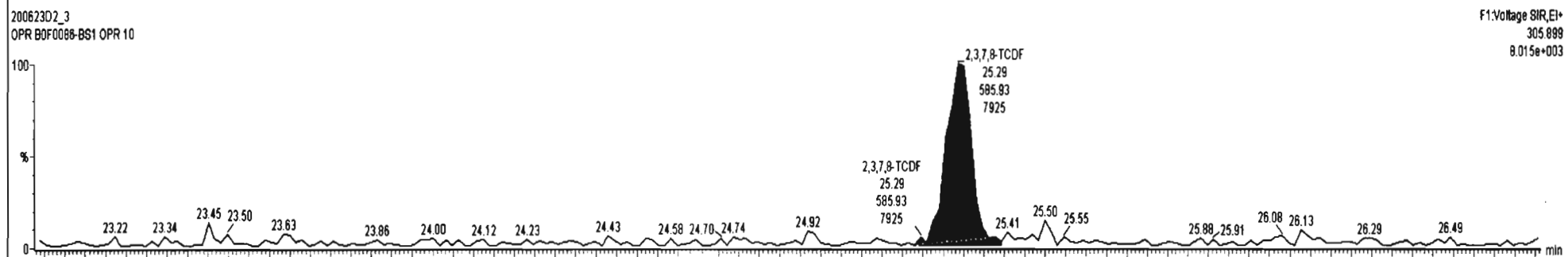
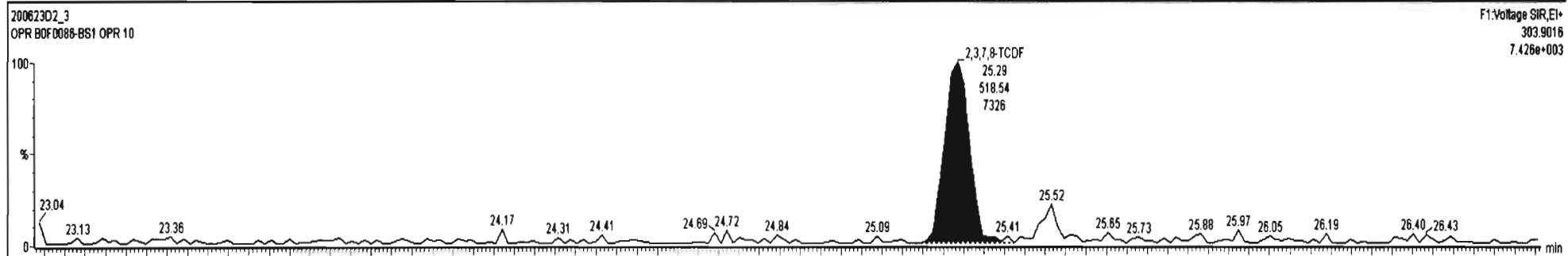
200623D2_3



DPE1

200623D2_3





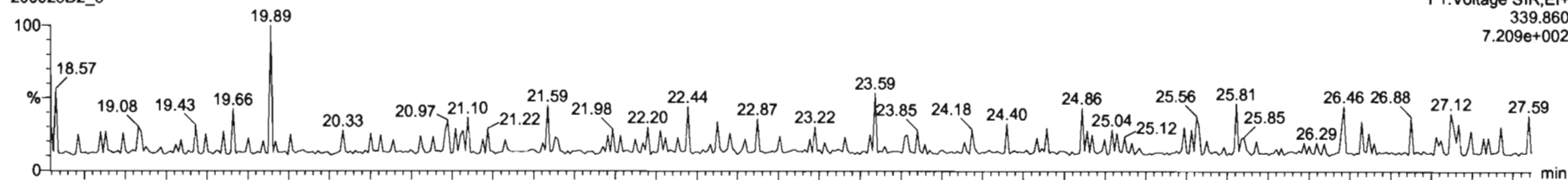
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

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

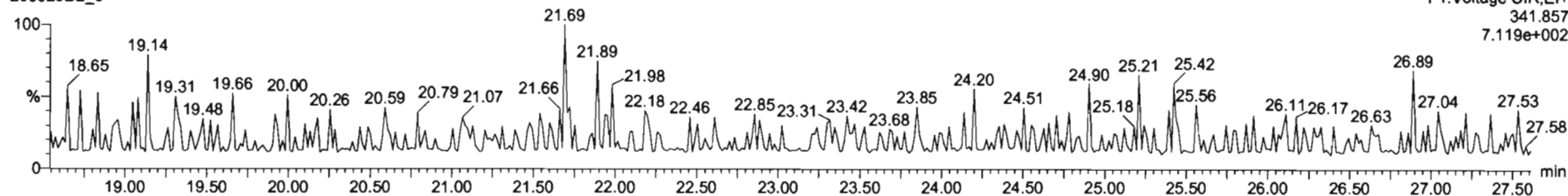
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1st Func. Penta-Furans

200623D2_3

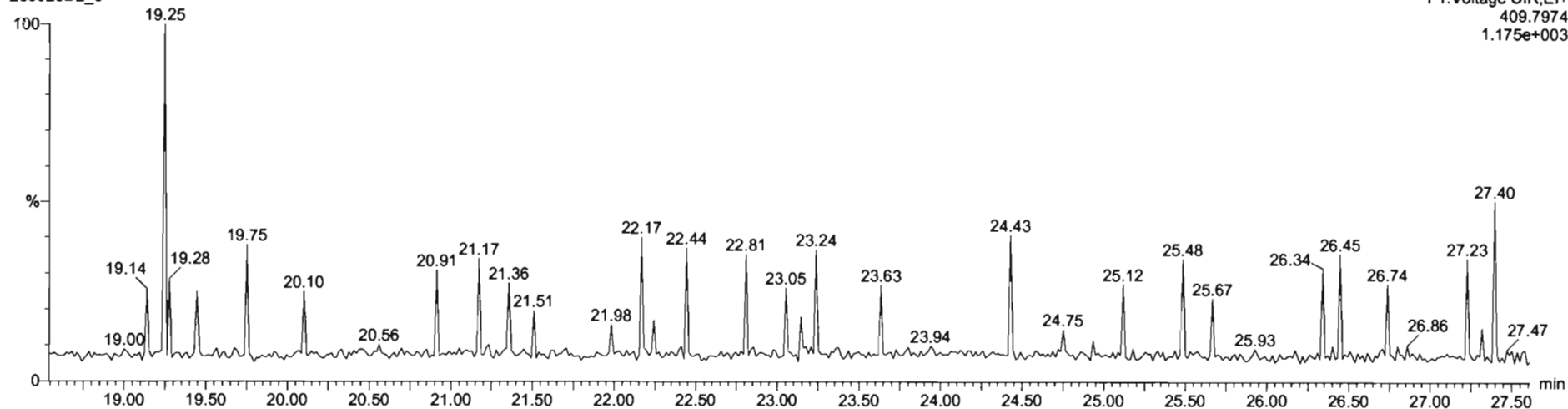


200623D2_3



DPE6

200623D2_3



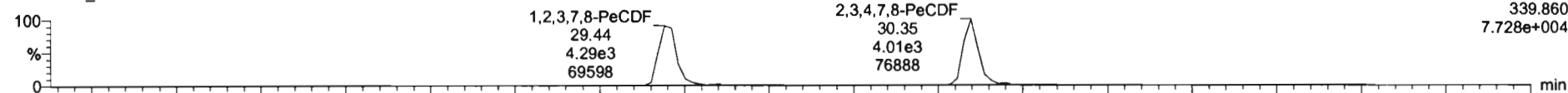
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Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

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

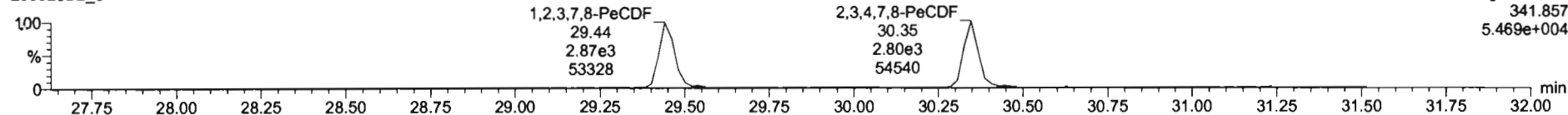
1,2,3,7,8-PeCDF

200623D2_3



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

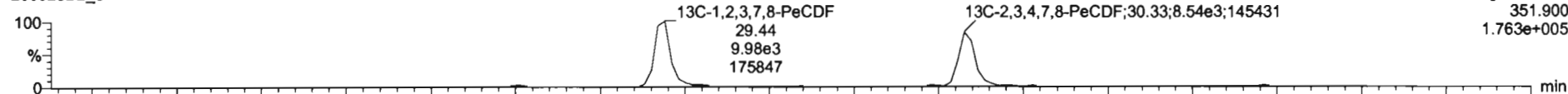
200623D2_3



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

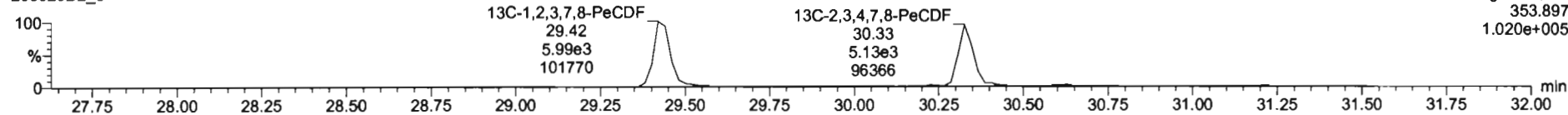
13C-1,2,3,7,8-PeCDF

200623D2_3



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

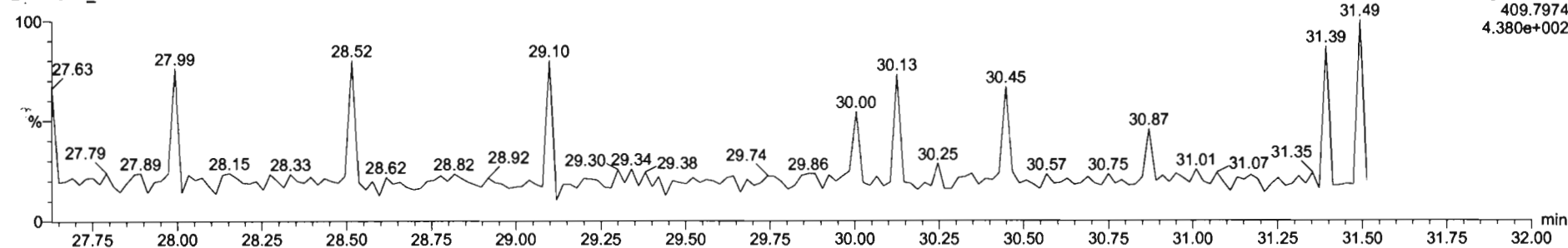
200623D2_3



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

DPE2

200623D2_3



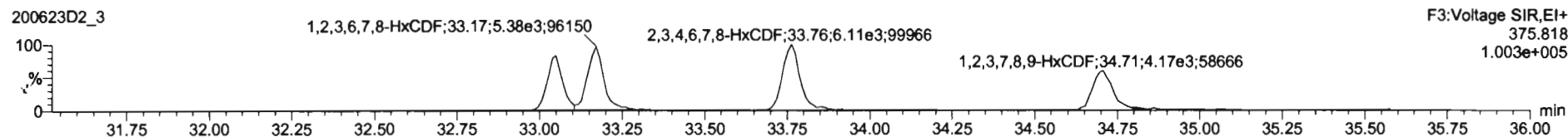
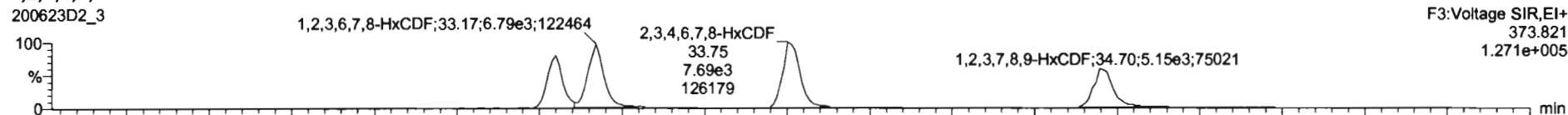
F2: Voltage SIR, EI+
409.7974
4.380e+002

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

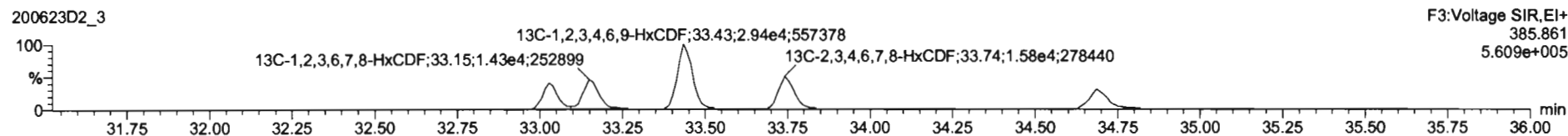
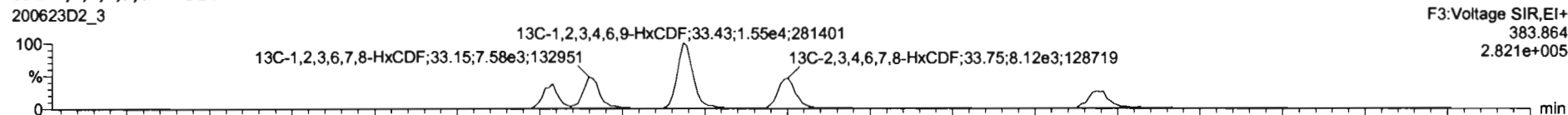
Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

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

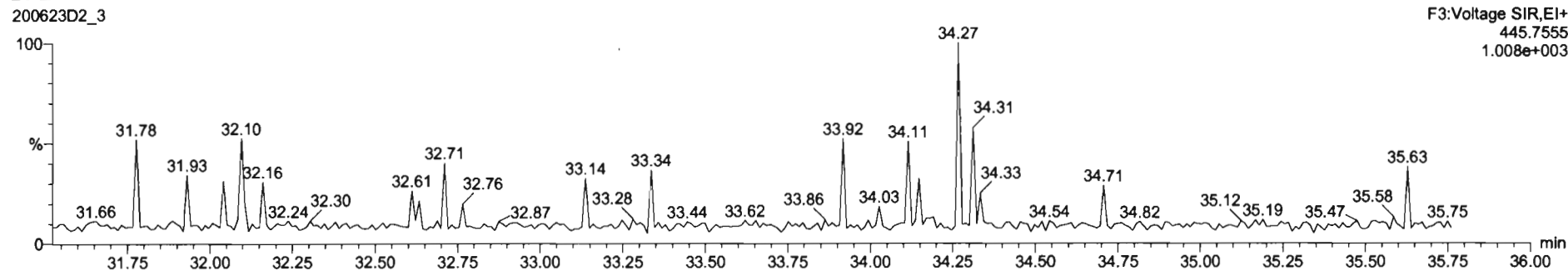
1,2,3,4,7,8-HxCDF



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



DPE3

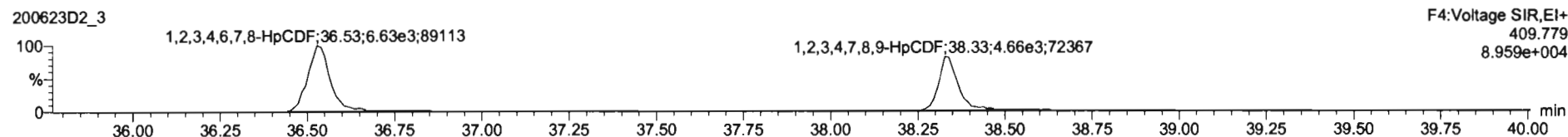
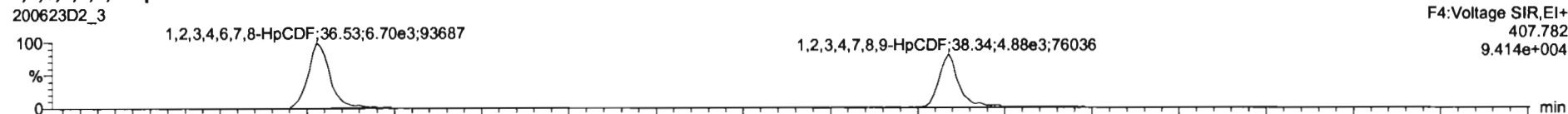


Dataset: U:\VG7.PRO\Results\200623D2\200623D2_3.qld

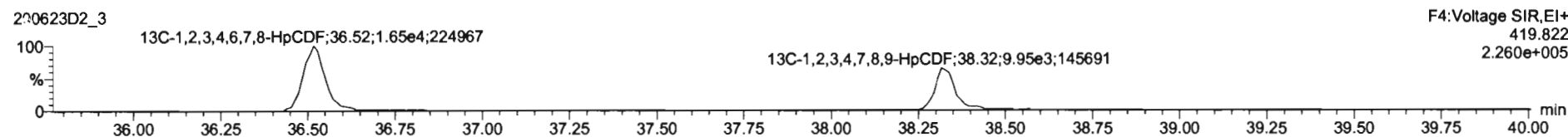
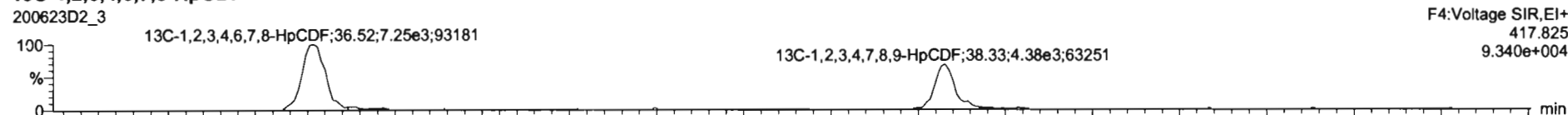
Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

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

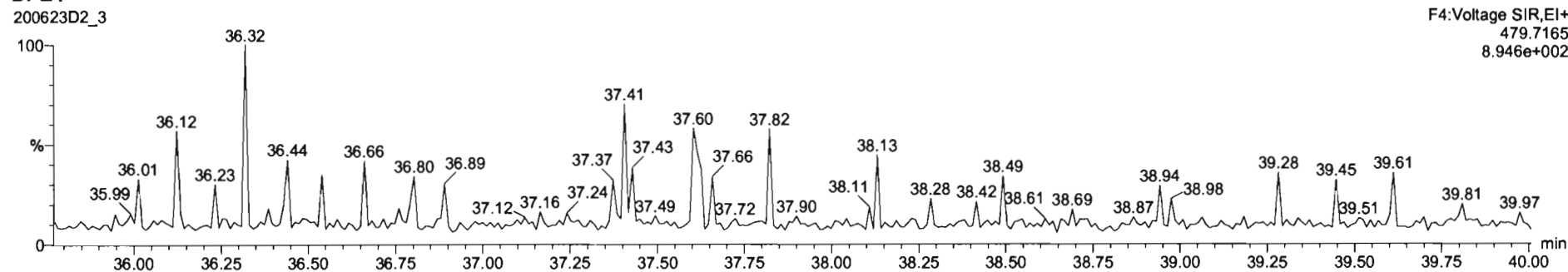
1,2,3,4,6,7,8-HpCDF



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



DPE4



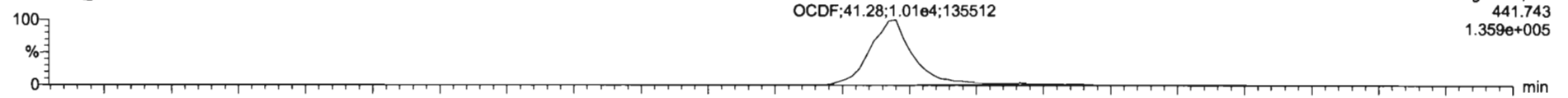
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Last Altered: Wednesday, June 24, 2020 10:38:15 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 11:40:41 Pacific Daylight Time

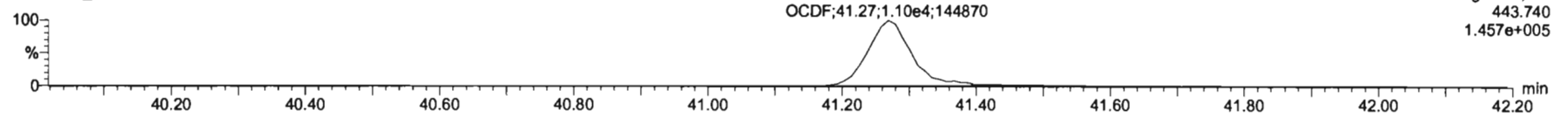
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OCDF

200623D2_3

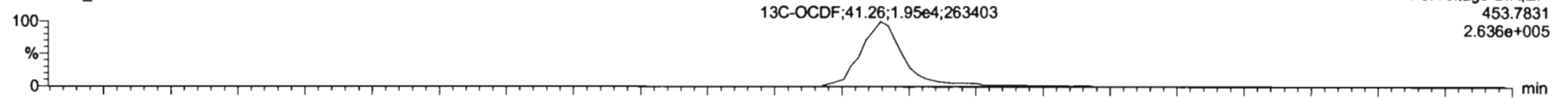


200623D2_3

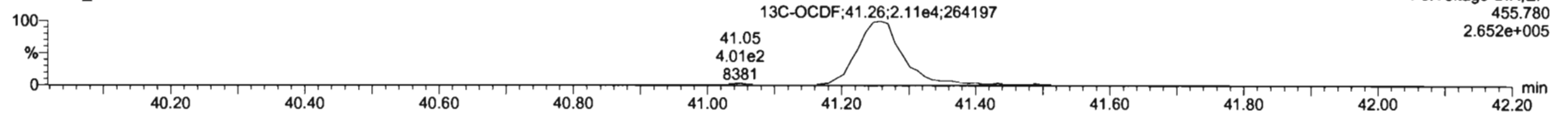


13C-OCDF

200623D2_3

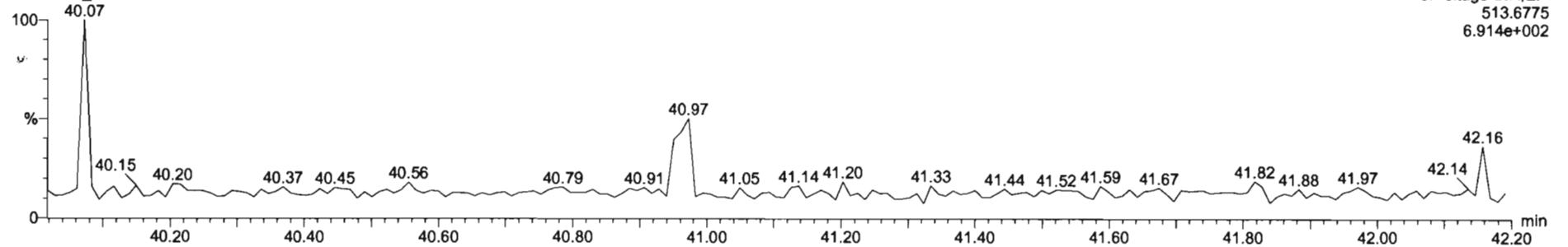


200623D2_3



DPE5

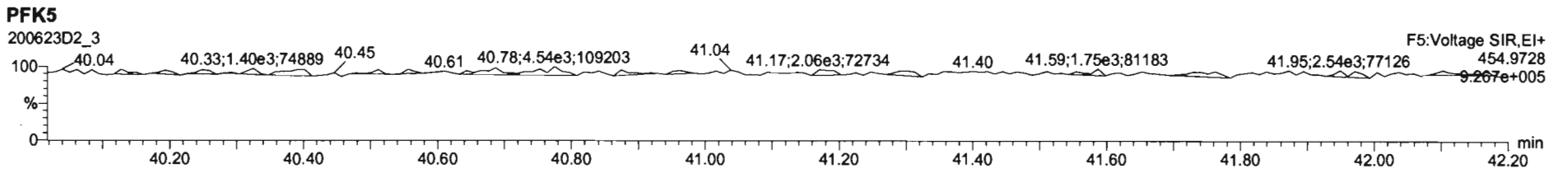
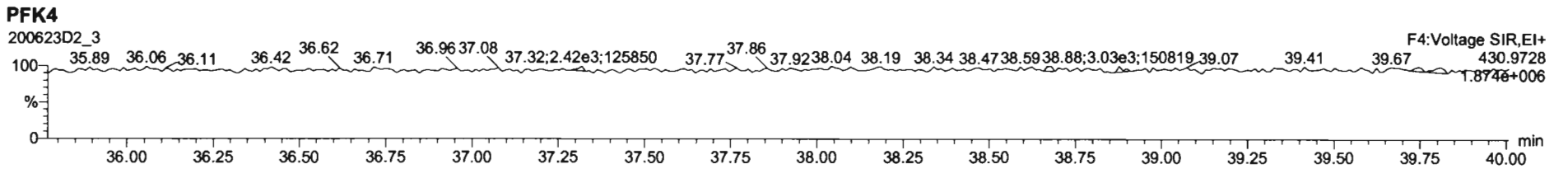
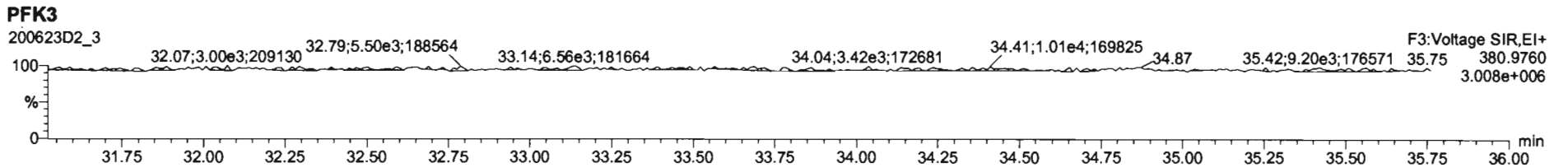
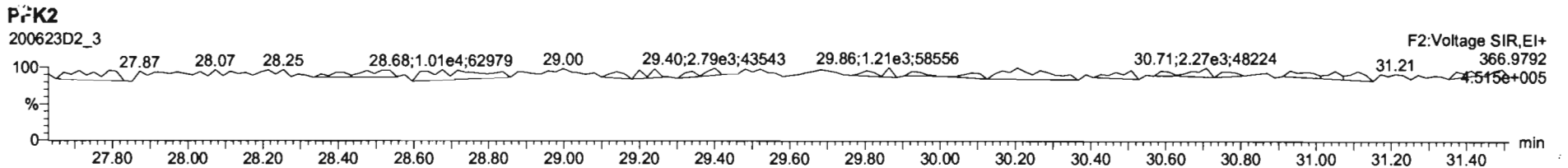
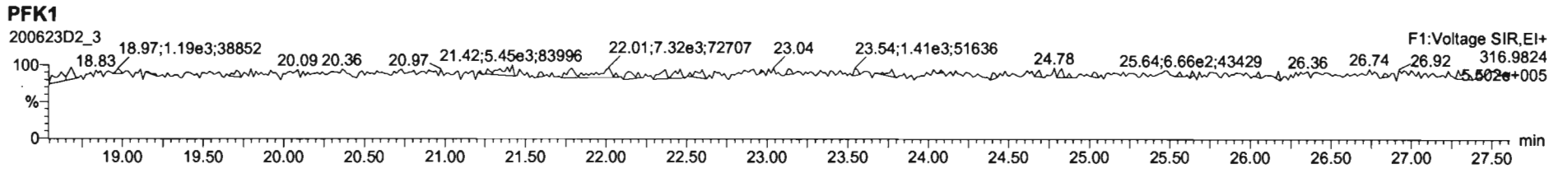
200623D2_3



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

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

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



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_5.qld

Last Altered: Monday, June 08, 2020 15:25:08 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:26:14 Pacific Daylight Time

DB 6/8/20 C7 07/08/2020

Method: Untitled 27 Apr 2020 14:17:24

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

Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428

	Resp	RA	n/y	RRF	w/w	Peak								
1	2,3,7,8-TCDD		NO	0.987	10.066	26.127	1.001						0.210	
2	1,2,3,7,8-PeCDD		NO	0.982	10.066	30.670	1.001						0.234	
3	1,2,3,4,7,8-HxCDD		NO	1.17	10.066	33.971	1.000						0.243	
4	1,2,3,6,7,8-HxCDD		NO	1.04	10.066	34.070	1.000						0.259	
5	1,2,3,7,8,9-HxCDD		NO	1.00	10.066	34.390	1.001						0.305	
6	1,2,3,4,6,7,8-HpCDD	4.47e2	1.01	NO	0.992	10.066	37.834	37.82	1.000	1.000	1.6514		0.340	1.65
7	OCDD	2.00e3	0.87	NO	1.04	10.066	41.093	41.09	1.000	1.000	9.7919		0.490	9.79
8	2,3,7,8-TCDF		NO	0.882	10.066	25.326	1.001						0.269	
9	1,2,3,7,8-PeCDF		NO	1.05	10.066	29.482	1.001						0.157	
10	2,3,4,7,8-PeCDF		NO	1.06	10.066	30.397	1.001						0.138	
11	1,2,3,4,7,8-HxCDF	7.35e1	1.18	NO	1.08	10.066	33.072	33.09	1.000	1.001	0.13736		0.0582	0.137
12	1,2,3,6,7,8-HxCDF		NO	1.04	10.066	33.203	1.000						0.125	
13	2,3,4,6,7,8-HxCDF		NO	1.11	10.066	33.819	1.001						0.142	
14	1,2,3,7,8,9-HxCDF		NO	1.06	10.066	34.729	1.000						0.192	
15	1,2,3,4,6,7,8-HpCDF		NO	1.13	10.066	36.598	1.001						0.198	
16	1,2,3,4,7,8,9-HpCDF		NO	1.33	10.066	38.361	1.000						0.192	
17	OCDF		NO	0.933	10.066	41.313	1.000						0.386	
18	13C-2,3,7,8-TCDD	1.19e5	0.81	NO	1.21	10.066	26.195	26.10	1.026	1.022	121.21	61.0	0.358	
19	13C-1,2,3,7,8-PeCDD	9.05e4	0.62	NO	0.996	10.066	30.688	30.65	1.202	1.200	111.37	56.1	0.440	
20	13C-1,2,3,4,7,8-HxCDD	6.80e4	1.25	NO	0.679	10.066	33.947	33.96	1.014	1.014	119.90	60.3	0.542	
21	13C-1,2,3,6,7,8-HxCDD	8.18e4	1.28	NO	0.850	10.066	34.057	34.07	1.017	1.018	115.26	58.0	0.433	
22	13C-1,2,3,7,8,9-HxCDD	7.42e4	1.29	NO	0.798	10.066	34.328	34.36	1.025	1.026	111.34	56.0	0.461	
23	13C-1,2,3,4,6,7,8-HpCDD	5.42e4	1.03	NO	0.697	10.066	37.797	37.82	1.129	1.130	93.148	46.9	0.618	
24	13C-OCDD	7.84e4	0.87	NO	0.579	10.066	40.823	41.09	1.219	1.227	162.07	40.8	0.635	
25	13C-2,3,7,8-TCDF	1.60e5	0.76	NO	1.13	10.066	25.276	25.30	0.990	0.991	116.15	58.5	0.408	
26	13C-1,2,3,7,8-PeCDF	1.43e5	1.57	NO	0.996	10.066	29.506	29.46	1.156	1.154	117.20	59.0	0.524	
27	13C-2,3,4,7,8-PeCDF	1.43e5	1.59	NO	0.969	10.066	30.407	30.37	1.191	1.189	120.28	60.5	0.539	
28	13C-1,2,3,4,7,8-HxCDF	9.81e4	0.50	NO	1.06	10.066	33.076	33.07	0.988	0.988	111.06	55.9	0.563	
29	13C-1,2,3,6,7,8-HxCDF	1.05e5	0.54	NO	1.18	10.066	33.210	33.19	0.992	0.991	106.58	53.6	0.507	
30	13C-2,3,4,6,7,8-HxCDF	8.92e4	0.49	NO	1.06	10.066	33.783	33.78	1.009	1.009	101.10	50.9	0.563	
31	13C-1,2,3,7,8,9-HxCDF	7.88e4	0.49	NO	0.879	10.066	34.683	34.73	1.036	1.037	107.35	54.0	0.677	

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_5.qld

Last Altered: Monday, June 08, 2020 15:25:08 Pacific Daylight Time

Printed: Monday, June 08, 2020 15:26:14 Pacific Daylight Time

Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428

Peak	Name	RRR	RA	ny	RRF	WVGF	Area	Height	Area	Height	Area	Height	Area	Height
32	13C-1,2,3,4,6,7,8-HpCDF	6.73e4	0.41	NO	0.893	10.066	36.391	36.56	1.087	1.092	90.284	45.4	0.472	
33	13C-1,2,3,4,7,8,9-HpCDF	4.65e4	0.41	NO	0.613	10.066	38.399	38.36	1.147	1.146	90.791	45.7	0.687	
34	13C-OCDF	8.91e4	0.87	NO	0.741	10.066	40.977	41.31	1.224	1.234	143.94	36.2	0.462	
35	37Cl-2,3,7,8-TCDD	4.84e4			1.18	10.066	26.192	26.11	1.026	1.023	50.250	63.2	0.107	
36	13C-1,2,3,4-TCDD	1.62e5	0.81	NO	1.00	10.066	25.480	25.53	1.000	1.000	198.69	100	0.432	
37	13C-1,2,3,4-TCDF	2.43e5	0.77	NO	1.00	10.066	24.020	24.08	1.000	1.000	198.69	100	0.459	
38	13C-1,2,3,4,6,9-HxCDF	1.66e5	0.51	NO	1.00	10.066	33.530	33.48	1.000	1.000	198.69	100	0.595	
39	Total Tetra-Dioxins				0.987	10.066	24.620		0.000		0.37825		0.118	0.981
40	Total Penta-Dioxins				0.982	10.066	29.960		0.000				0.110	
41	Total Hexa-Dioxins				1.04	10.066	33.635		0.000		1.8230		0.276	1.82
42	Total Hepta-Dioxins				0.992	10.066	37.640		0.000		4.1929		0.340	4.19
43	Total Tetra-Furans				0.882	10.066	23.610		0.000		0.74093		0.269	0.741
44	1st Func. Penta-Furans				1.05	10.066	27.090		0.000		0.095242		0.0189	0.0952
45	Total Penta-Furans				1.05	10.066	29.275		0.000				0.0616	
46	Total Hexa-Furans				1.11	10.066	33.555		0.000		0.13736		0.0677	0.250
47	Total Hepta-Furans				1.13	10.066	37.835		0.000				0.105	

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_5.qld

Last Altered: Monday, June 08, 2020 15:25:08 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:26:14 Pacific Daylight Time

Method: Untitled 27 Apr 2020 14:17:24

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

Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Qty	Resp	Concn	Stdev	Area	
Total Tetra-Dioxins	22.67	1.049e3	1.497e3	8.658e1	9.902e1	0.87	NO	0.000e0	0.00000		0.31301	0.118
Total Tetra-Dioxins	23.08	1.067e3	1.004e3	7.998e1	9.167e1	0.87	NO	0.000e0	0.00000		0.28948	0.118
Total Tetra-Dioxins	24.25	1.816e3	1.192e3	1.040e2	1.203e2	0.86	NO	2.243e2	0.37825		0.37825	0.118

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Qty	Resp	Concn	Stdev	Area
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Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Qty	Resp	Concn	Stdev	Area	
Total Hexa-Dioxins	32.45	5.104e3	4.573e3	2.189e2	1.781e2	1.23	NO	3.971e2	1.0196		1.0196	0.276
Total Hexa-Dioxins	33.02	1.375e3	1.366e3	5.501e1	4.982e1	1.10	NO	1.048e2	0.26918		0.26918	0.276
Total Hexa-Dioxins	33.25	2.335e3	1.691e3	1.150e2	9.311e1	1.23	NO	2.081e2	0.53429		0.53429	0.276

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Qty	Resp	Concn	Stdev	Area	
Total Hepta-Dioxins	36.99	5.613e3	5.162e3	3.514e2	3.363e2	1.04	NO	6.878e2	2.5415		2.5415	0.340
1,2,3,4,6,7,8-HpCDD	37.82	3.285e3	3.377e3	2.240e2	2.229e2	1.01	NO	4.469e2	1.6514		1.6514	0.340

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Qty	Resp	Concn	Stdev	Area	
Total Tetra-Furans	21.72	3.066e3	5.060e3	2.233e2	3.032e2	0.74	NO	5.265e2	0.74093		0.74093	0.269

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_5.qld

Last Altered: Monday, June 08, 2020 15:25:08 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:26:14 Pacific Daylight Time

Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	FA	My	Resp	0.05	0.01	0.001
1st Func. Penta-Furans	27.11	6.630e2	5.270e2	4.069e1	3.080e1	1.32	NO	7.149e1	0.095242	0.095242	0.0189

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	FA	My	Resp	0.05	0.01	0.001
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Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	FA	My	Resp	0.05	0.01	0.001
Total Hexa-Furans	32.10	8.730e2	7.890e2	3.232e1	3.567e1	0.91	YES	0.000e0	0.00000	0.11263	0.0677
1,2,3,4,7,8-HxCDF	33.09	8.640e2	6.500e2	3.984e1	3.363e1	1.18	NO	7.347e1	0.13736	0.13736	0.0582

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	FA	My	Resp	0.05	0.01	0.001
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2

2

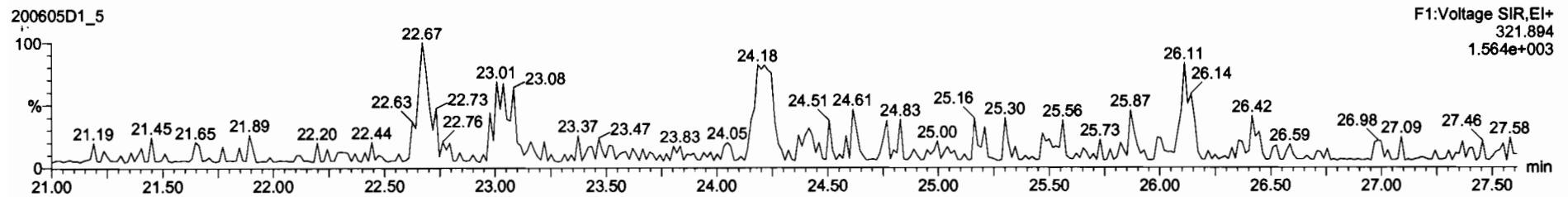
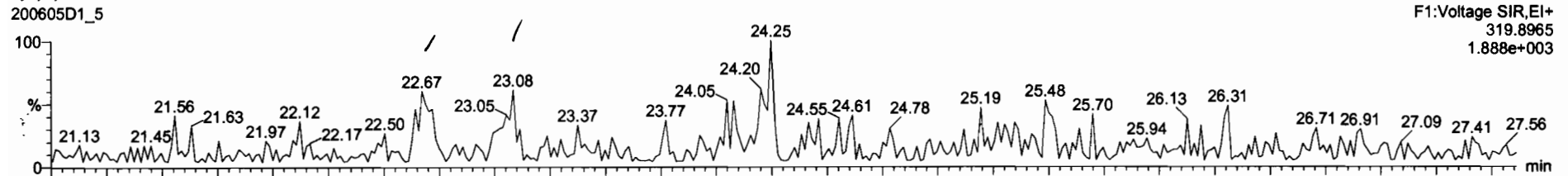
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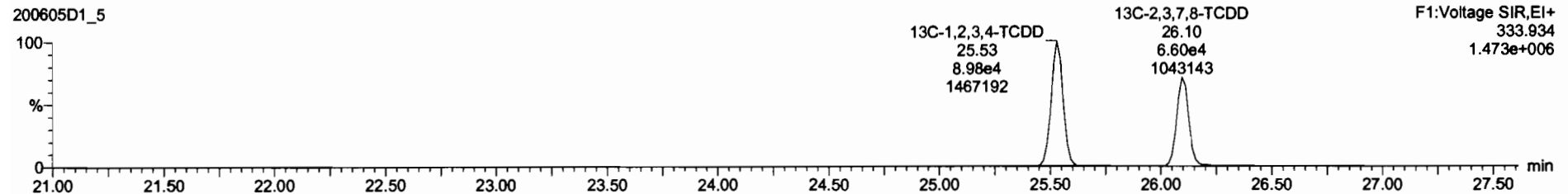
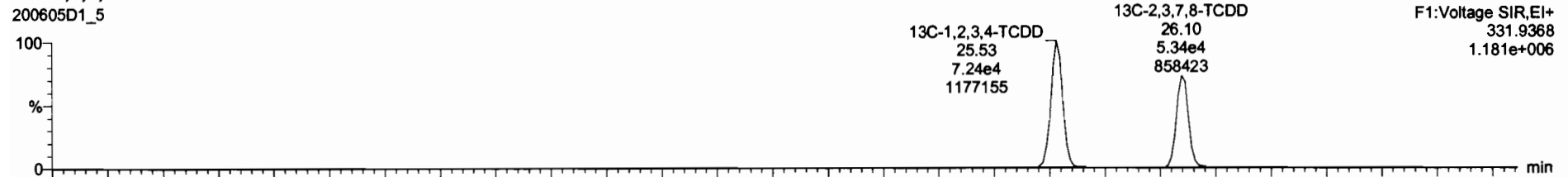
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Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428

2,3,7,8-TCDD

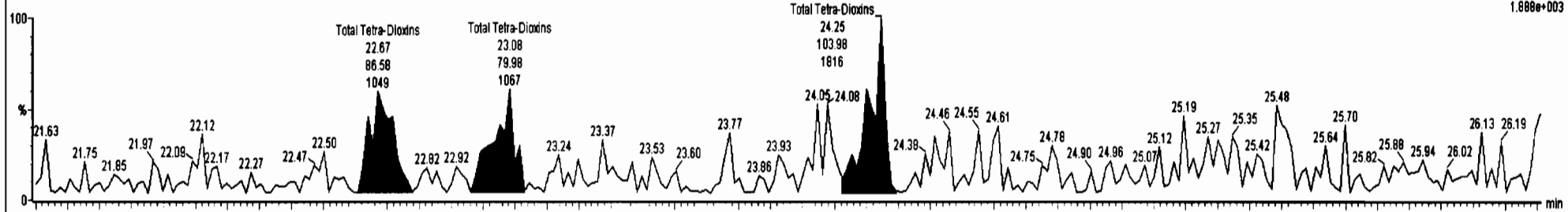


13C-2,3,7,8-TCDD

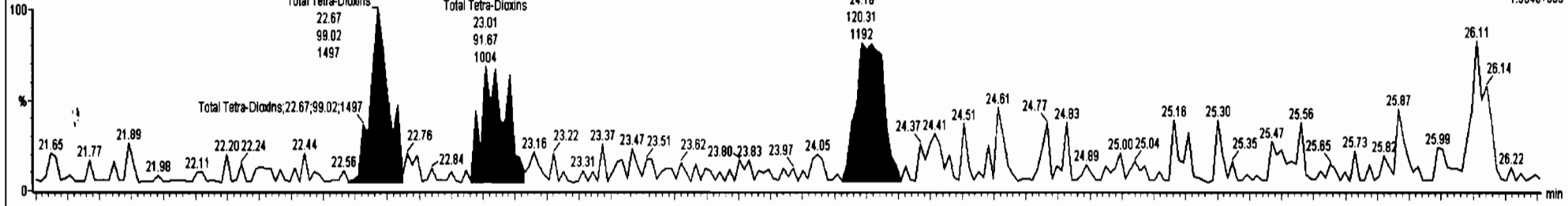




200605D1_5
 PDI-0548C-A-09-10-200428 2000996-01 PDI-0548C-A-09-10-200428 18.52
 F1:Voltage SIR,EI+
 319.8985
 1.888e+003



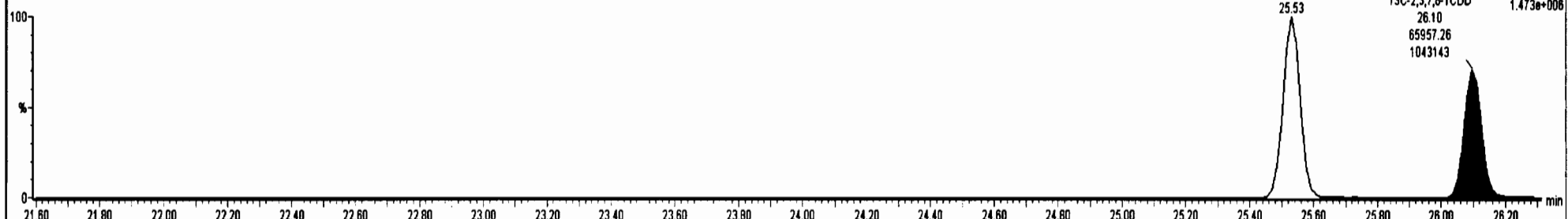
200605D1_5
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 F1:Voltage SIR,EI+
 321.894
 1.584e+003



200605D1_5
 PDI-0548C-A-09-10-200428 2000996-01 PDI-0548C-A-09-10-200428 18.52
 F1:Voltage SIR,EI+
 331.9368
 1.181e+006



200605D1_5
 PDI-0548C-A-09-10-200428 2000996-01 PDI-0548C-A-09-10-200428 18.52
 F1:Voltage SIR,EI+
 333.934
 1.473e+006

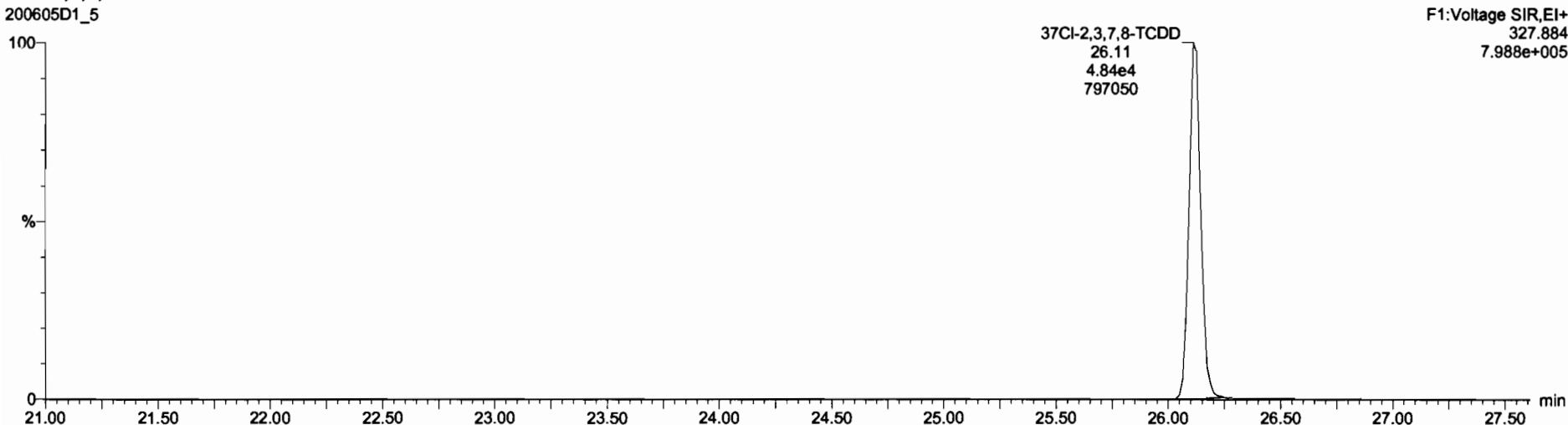


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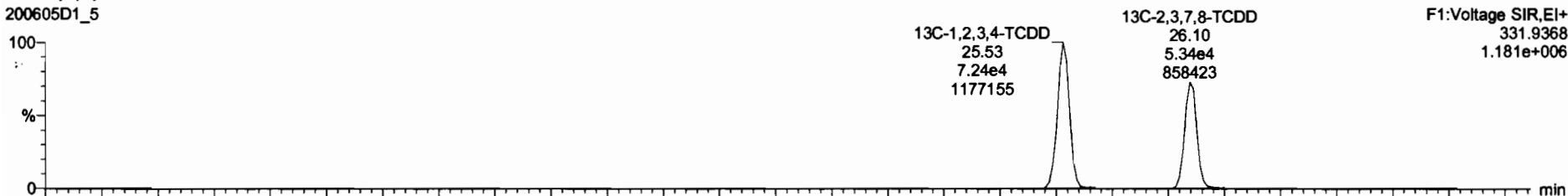
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Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428

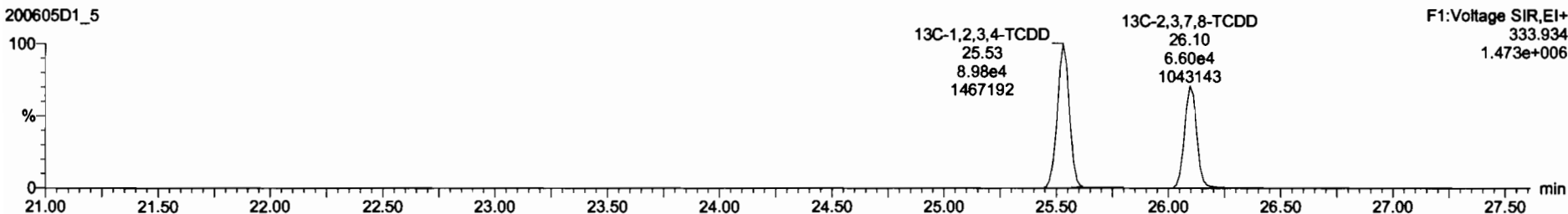
37Cl-2,3,7,8-TCDD
200605D1_5



13C-1,2,3,4-TCDD
200605D1_5



200605D1_5



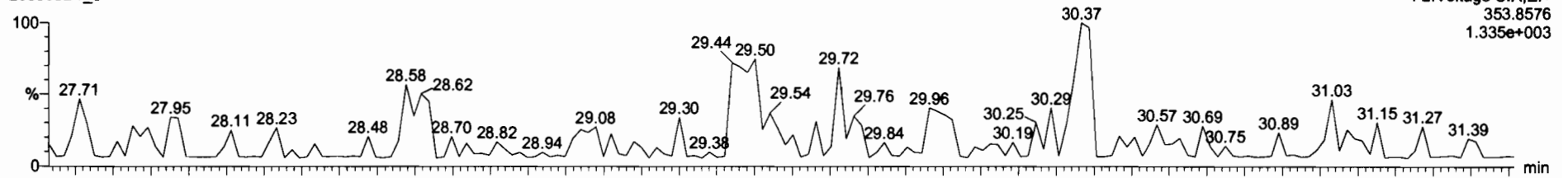
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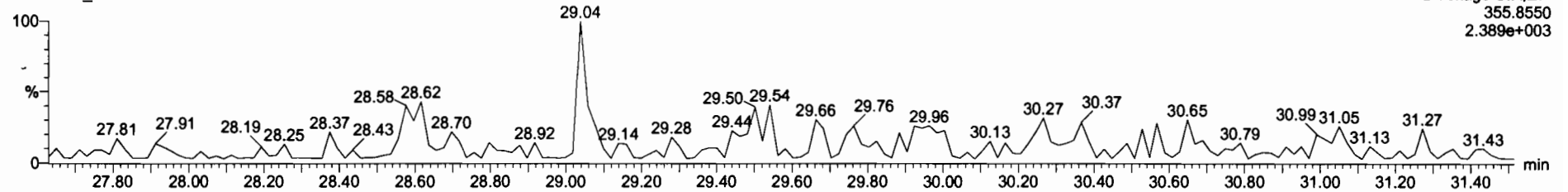
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1,2,3,7,8-PeCDD

200605D1_5

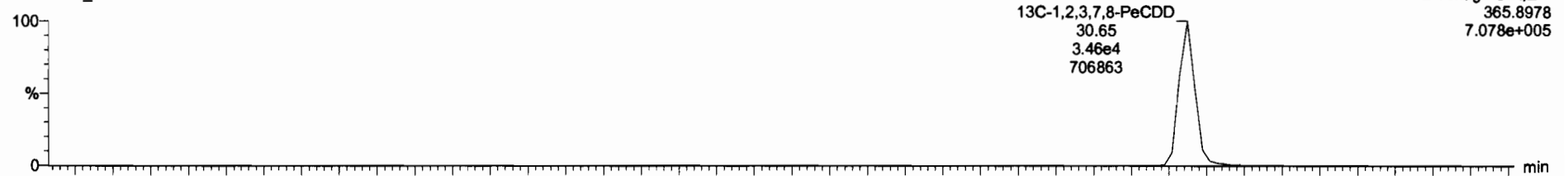


200605D1_5

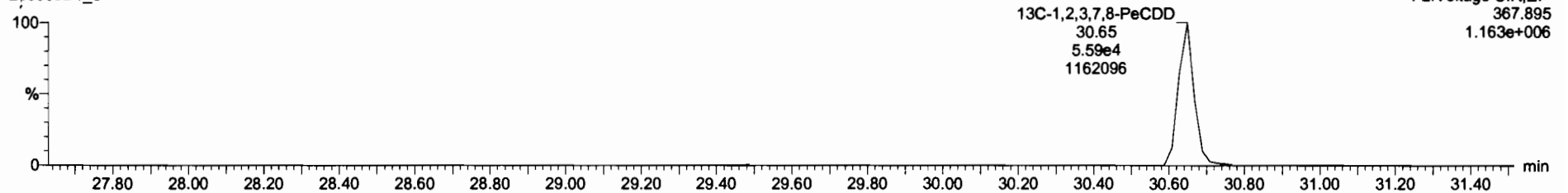


13C-1,2,3,7,8-PeCDD

200605D1_5



200605D1_5



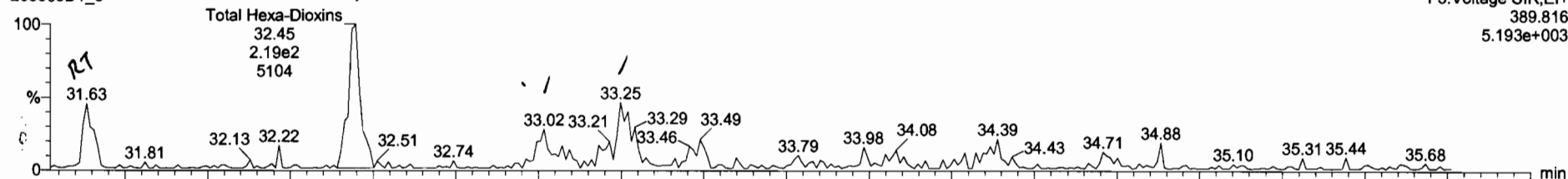
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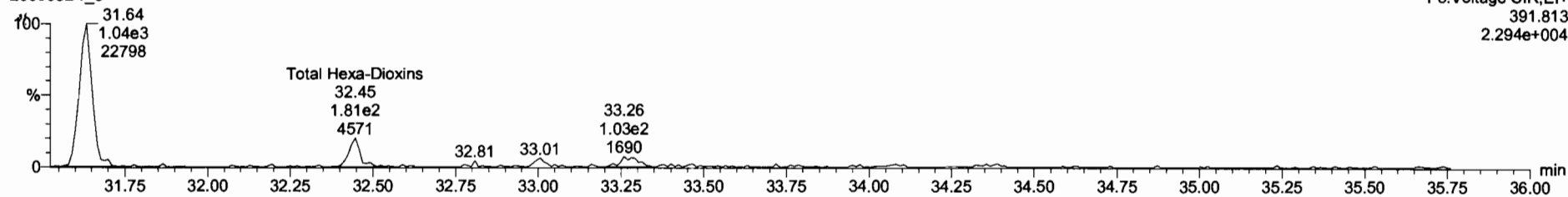
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1,2,3,4,7,8-HxCDD

200605D1_5

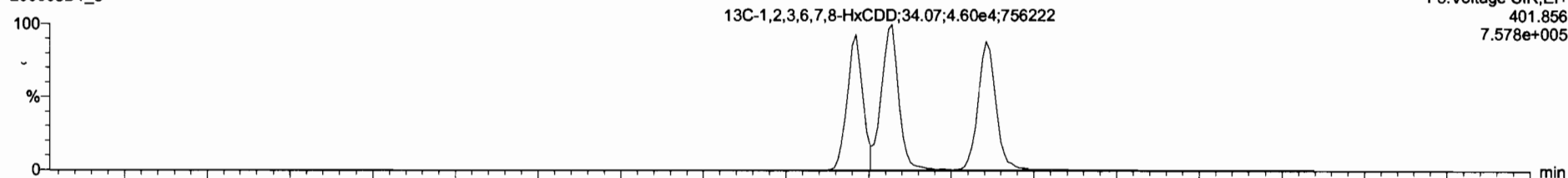


200605D1_5

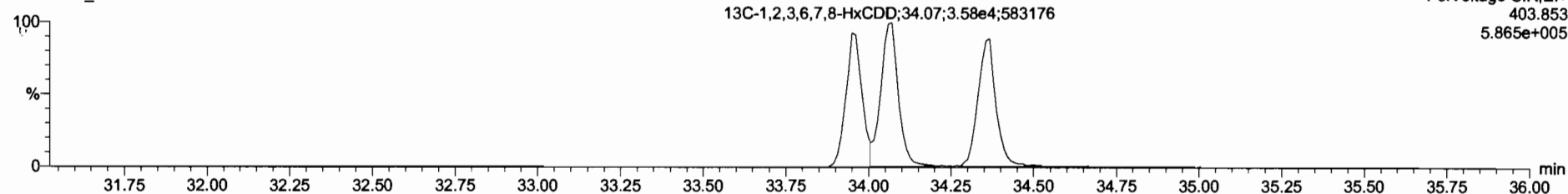


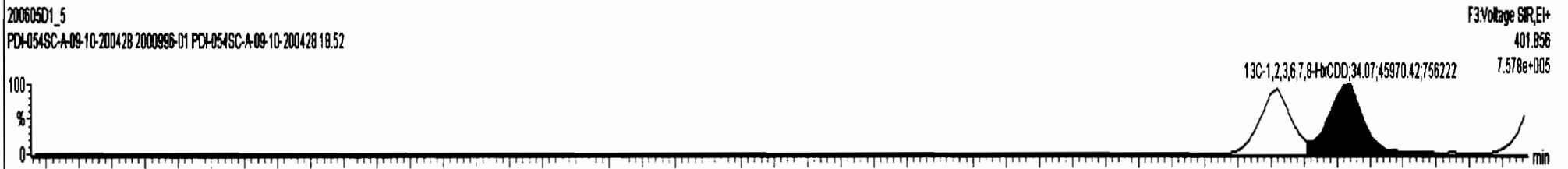
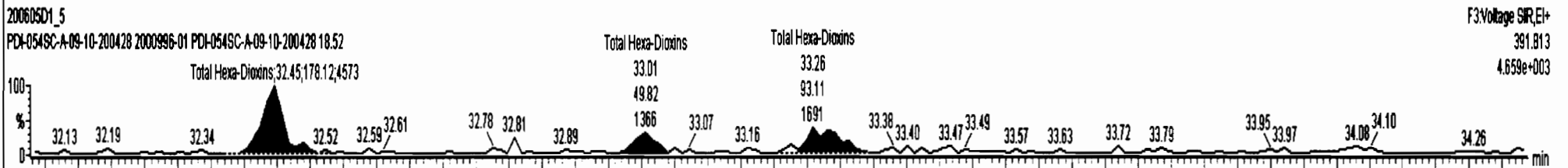
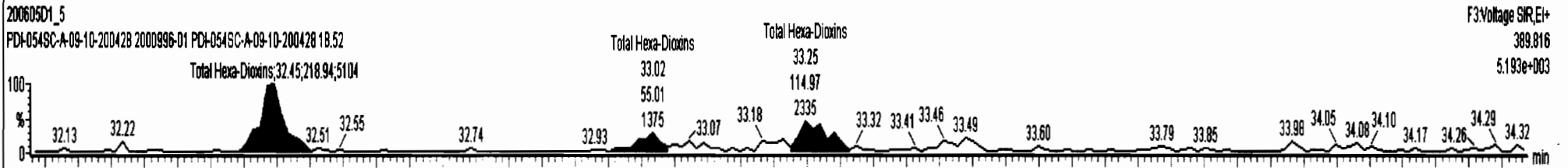
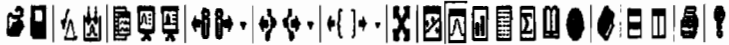
13C-1,2,3,4,7,8-HxCDD

200605D1_5



200605D1_5



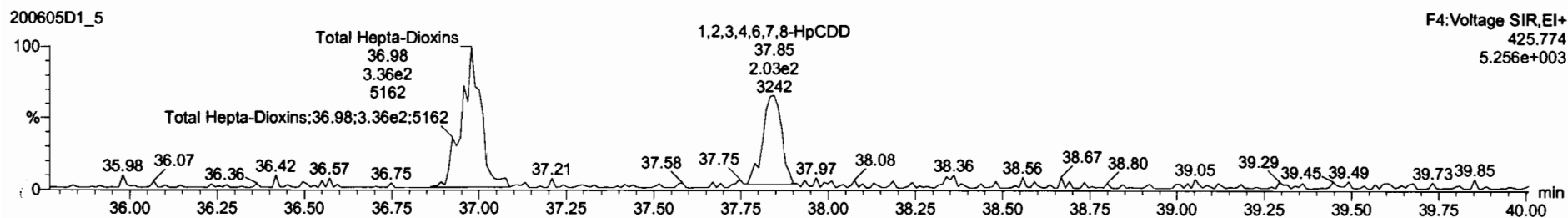
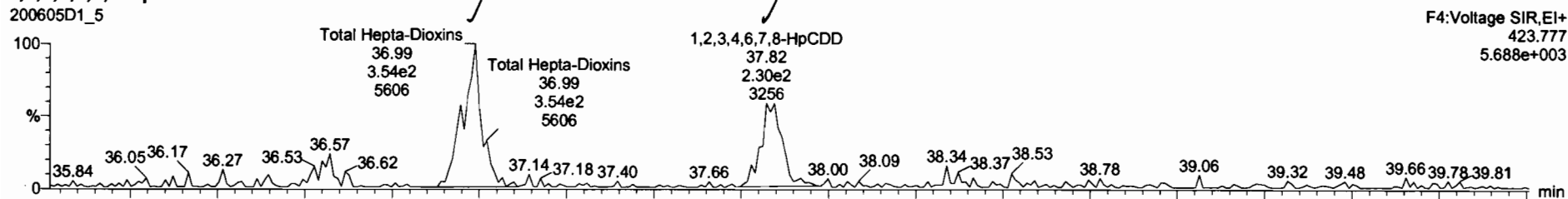


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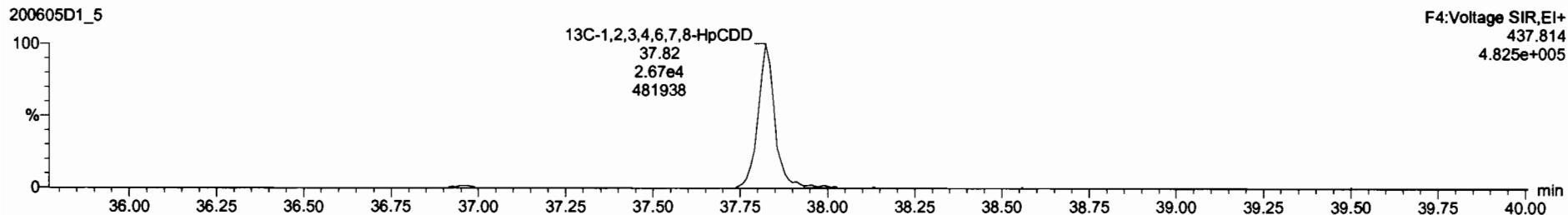
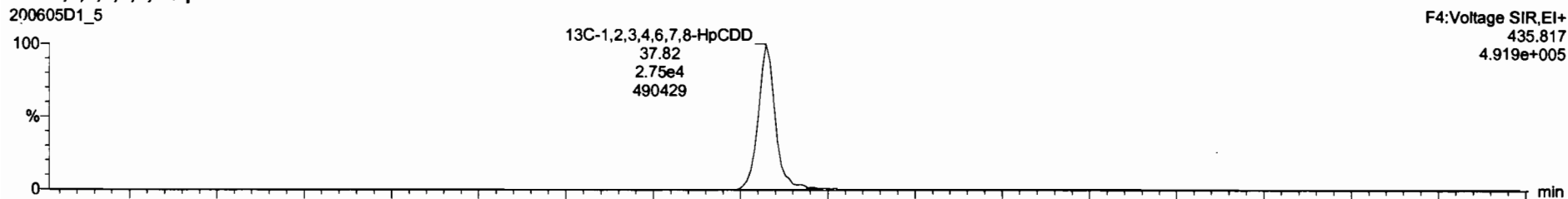
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Printed: Monday, June 08, 2020 15:04:26 Pacific Daylight Time

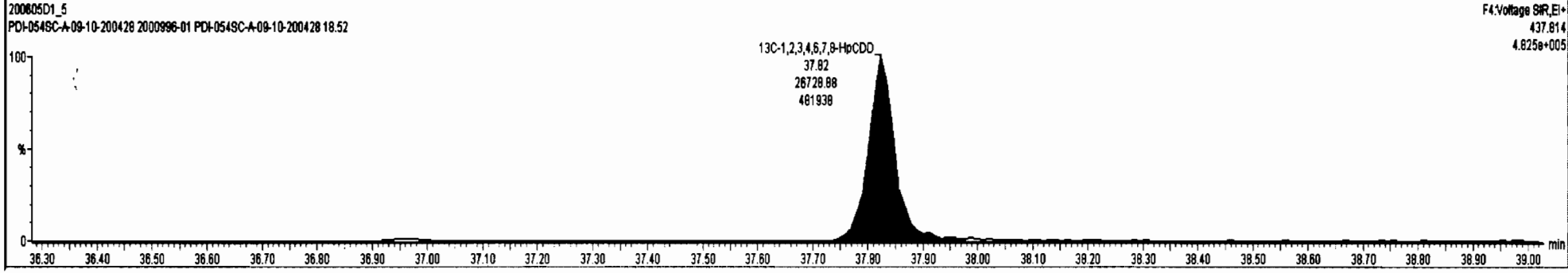
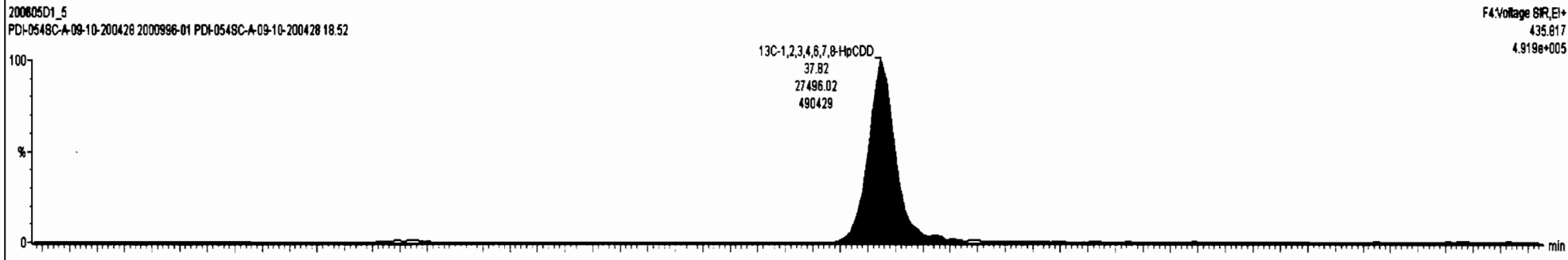
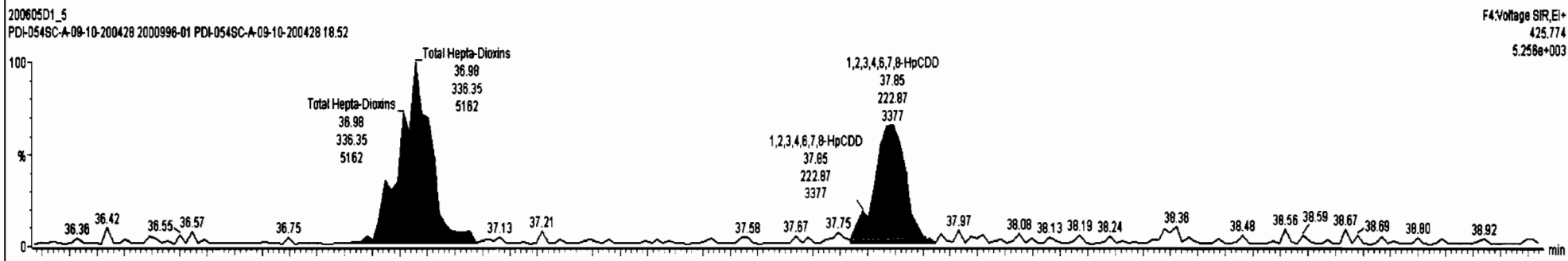
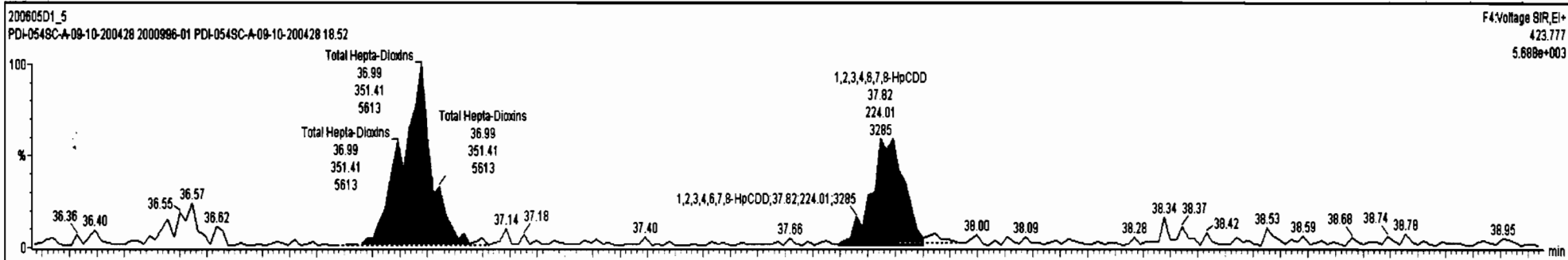
Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428

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



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

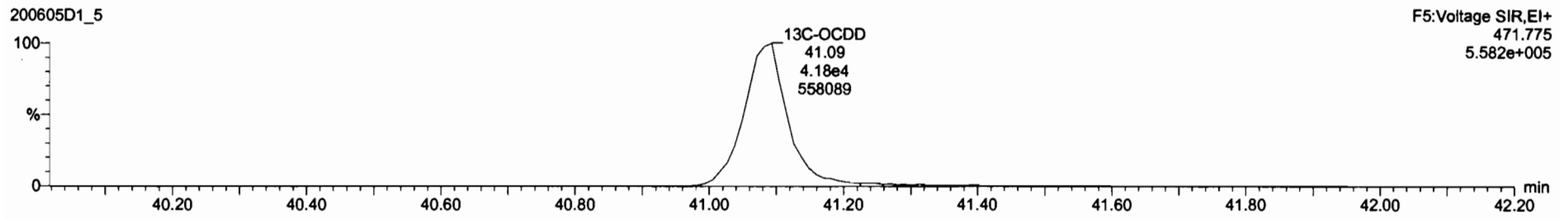
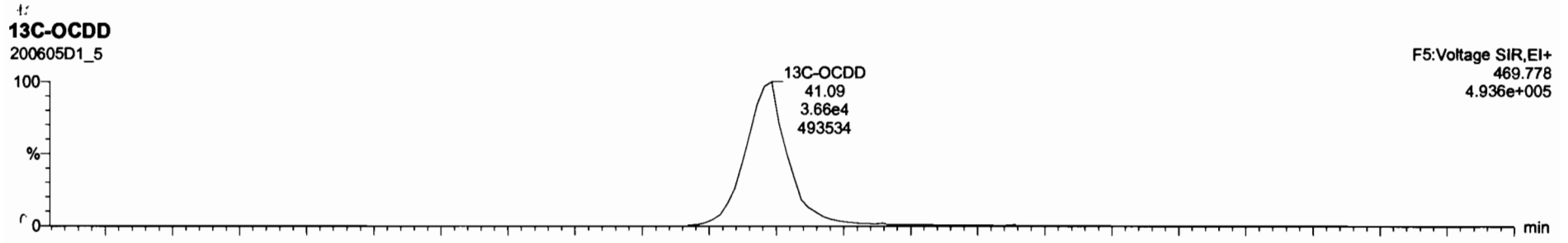
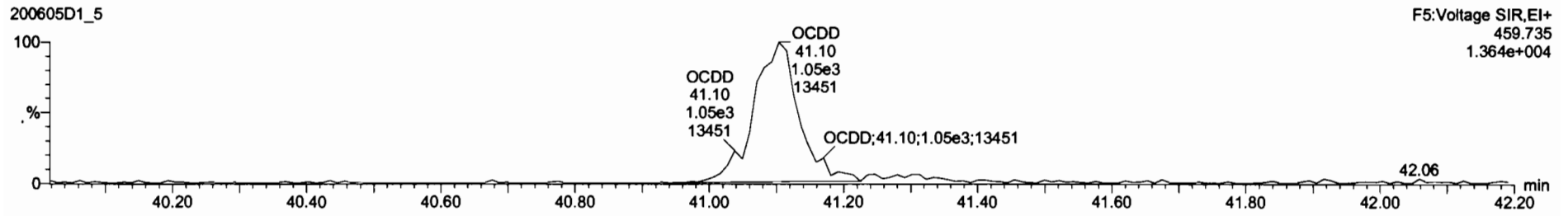
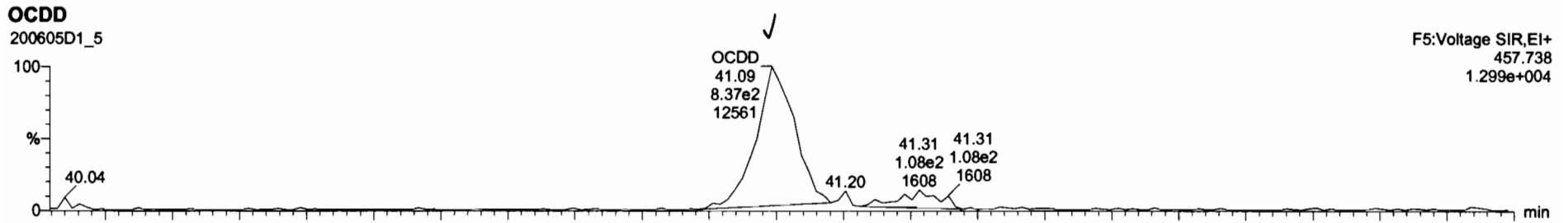


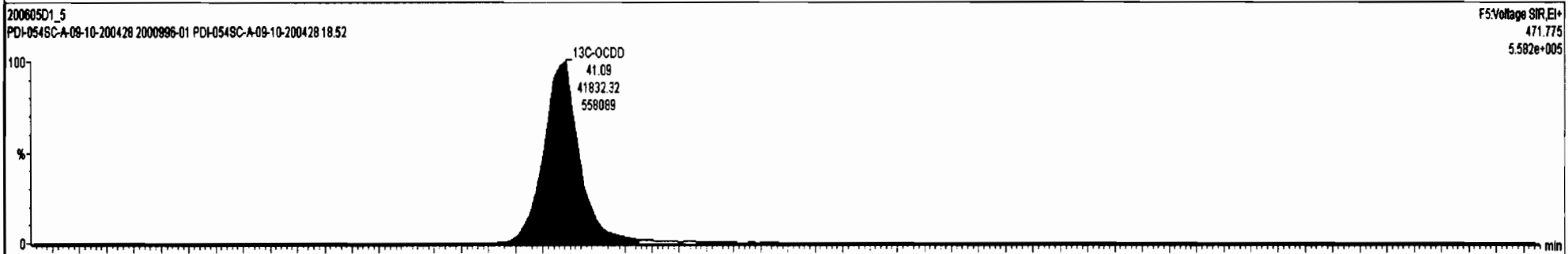
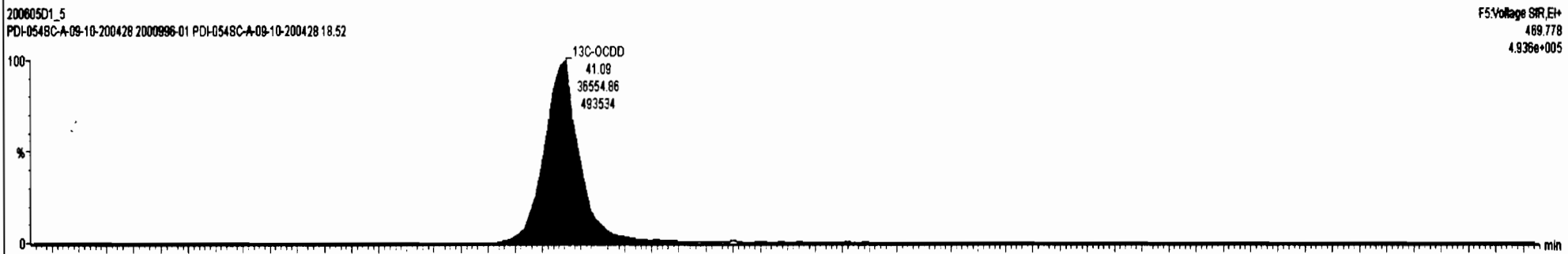
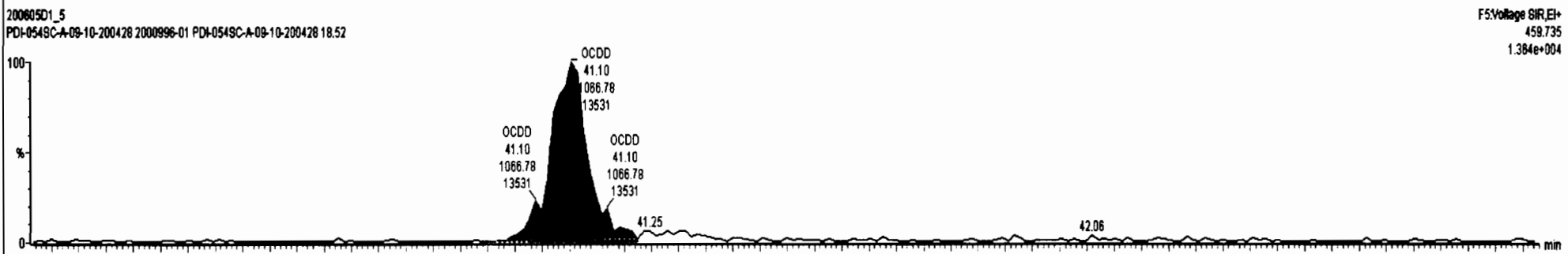
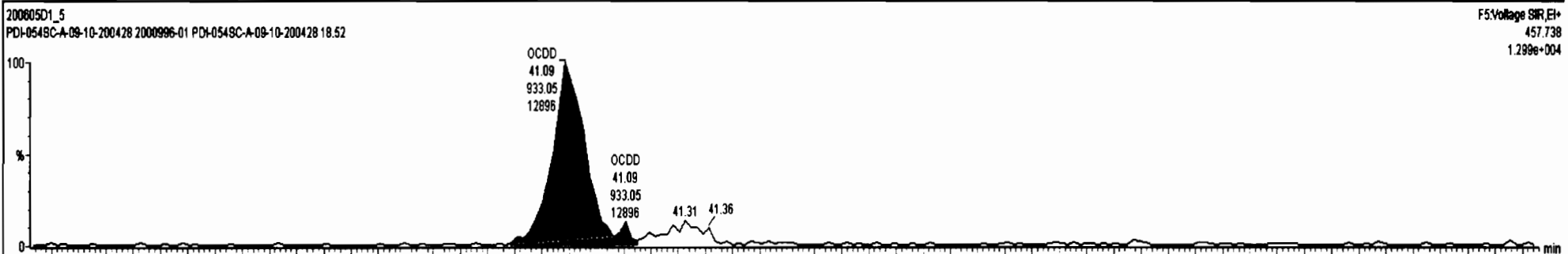


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_5.qld

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Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428





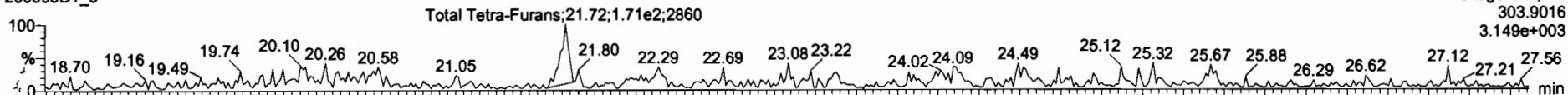
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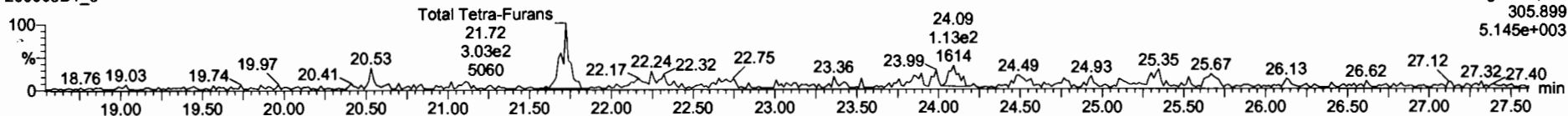
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2,3,7,8-TCDF

200605D1_5

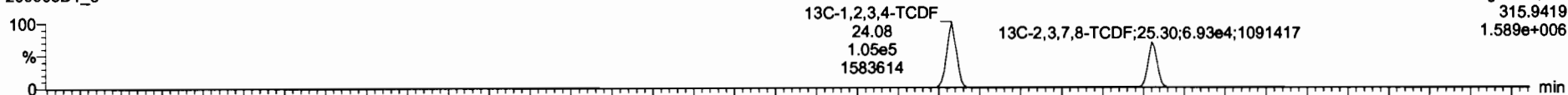


200605D1_5

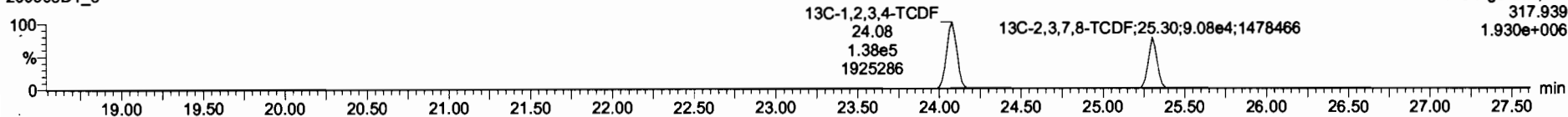


13C-2,3,7,8-TCDF

200605D1_5

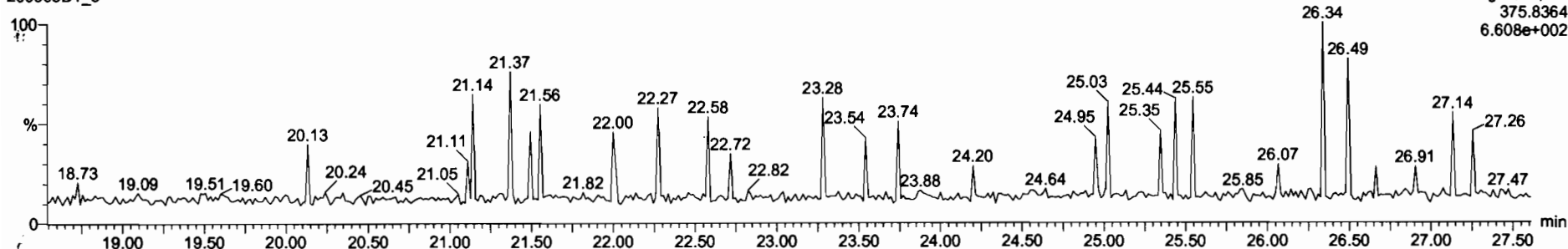


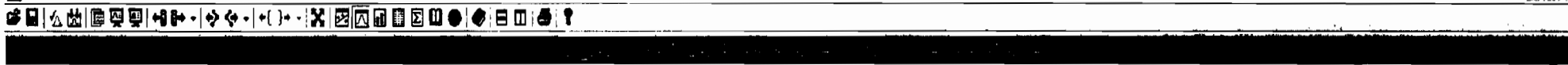
200605D1_5



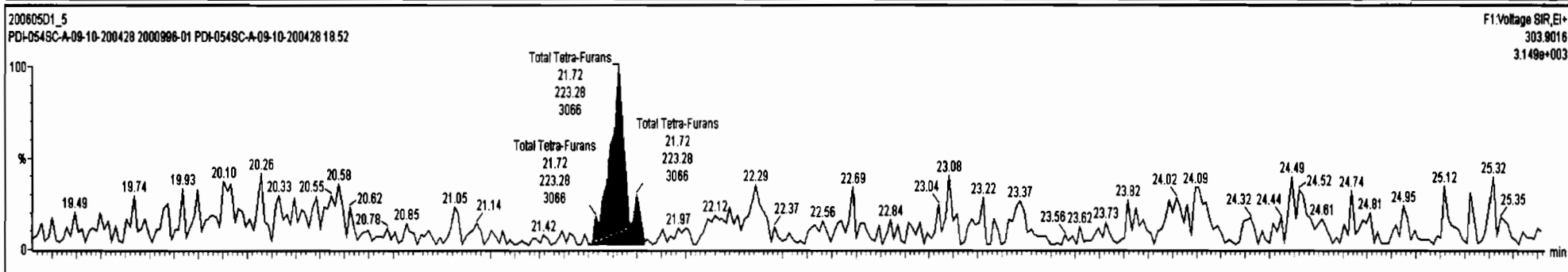
DPE1

200605D1_5

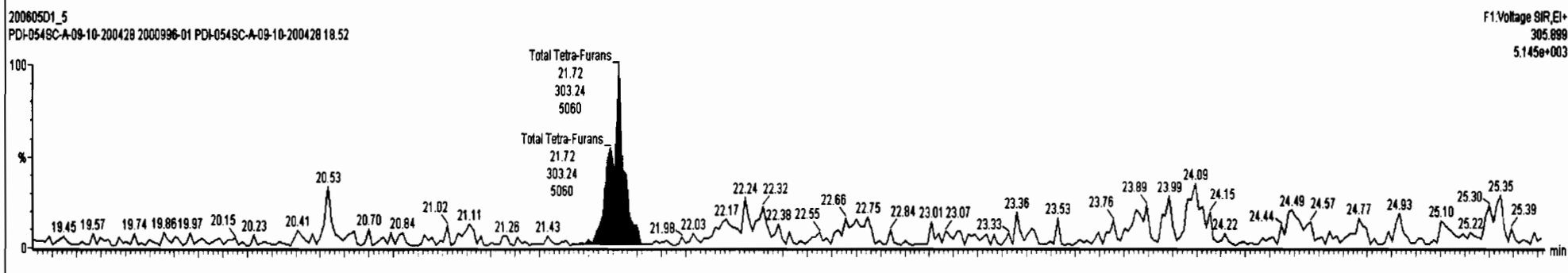




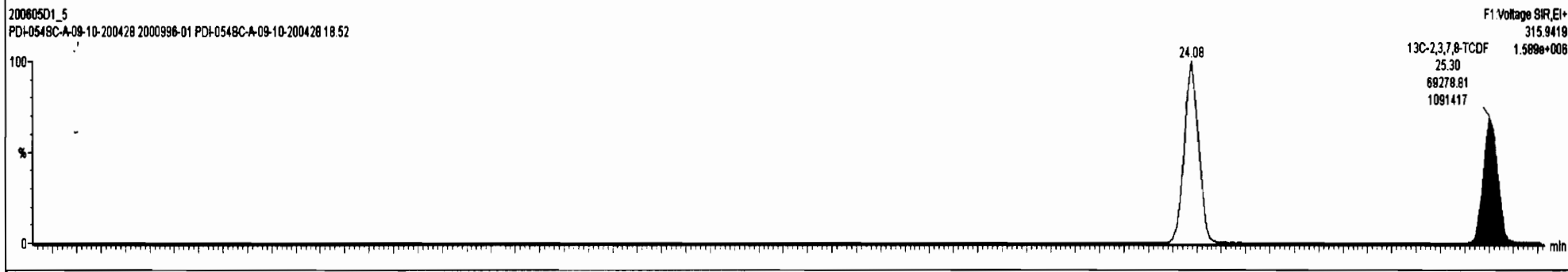
F1:Voltage SIR,EI+
303.9016
3.149e+003



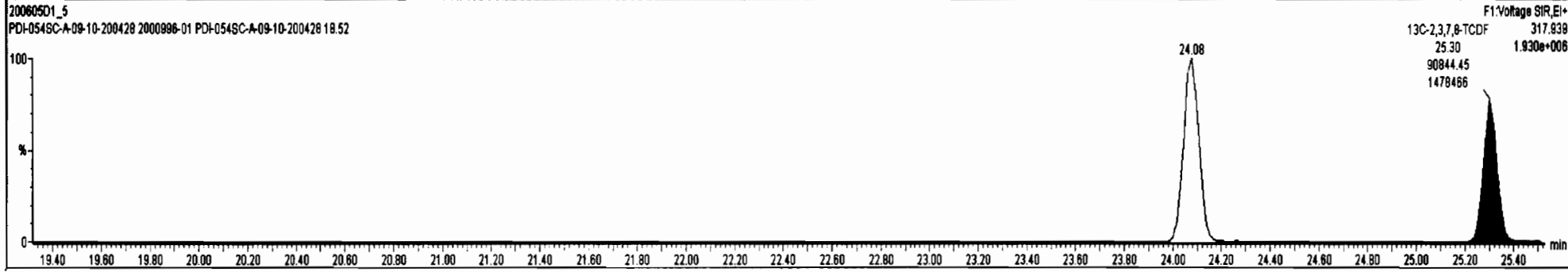
F1:Voltage SIR,EI+
305.899
5.145e+003



F1:Voltage SIR,EI+
315.9419
13C-2,3,7,8-TCDF
25.30
69278.81
1091417
1.589e+008



F1:Voltage SIR,EI+
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25.30
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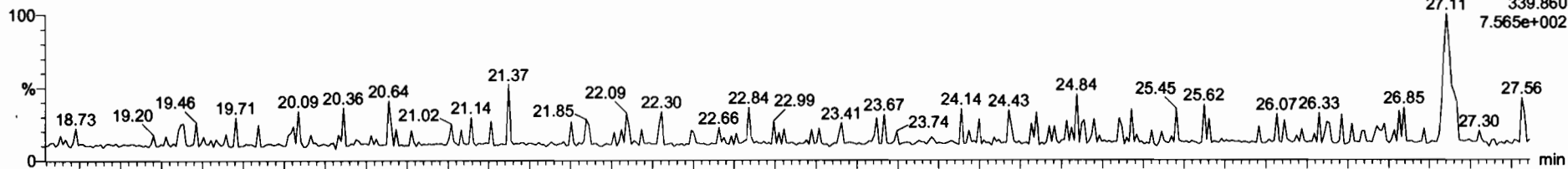
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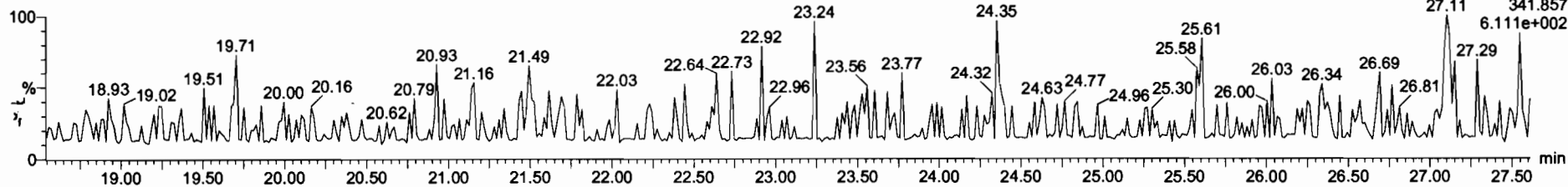
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200605D1_5

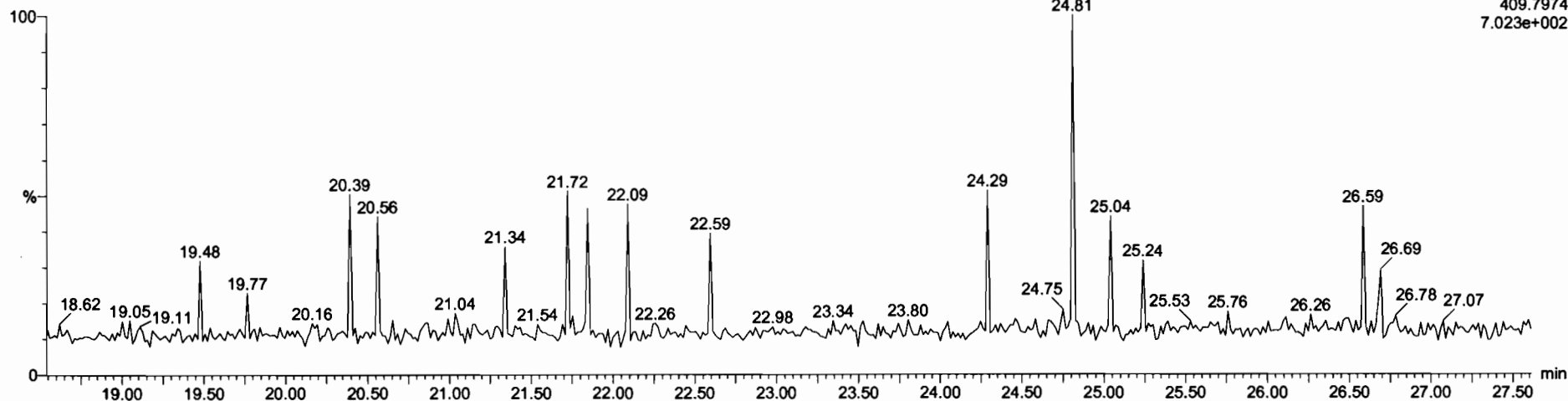


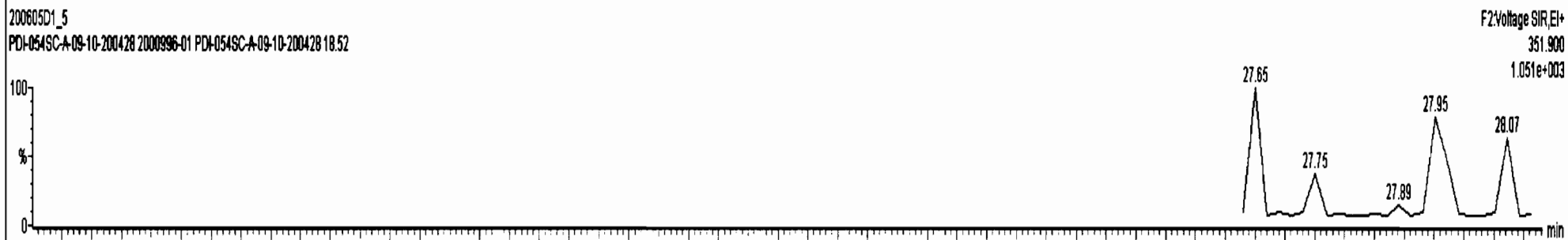
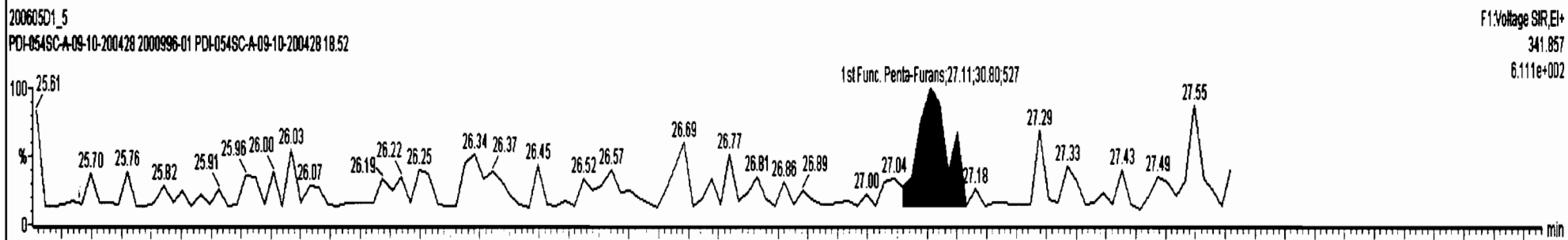
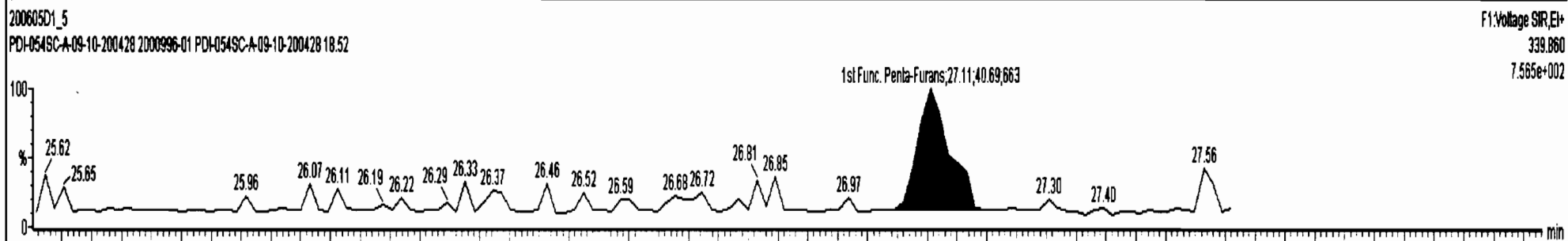
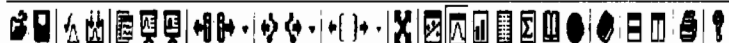
200605D1_5



DPE6

200605D1_5





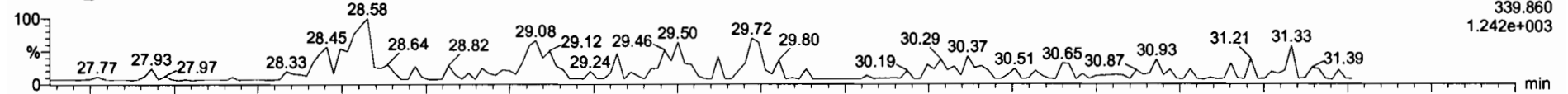
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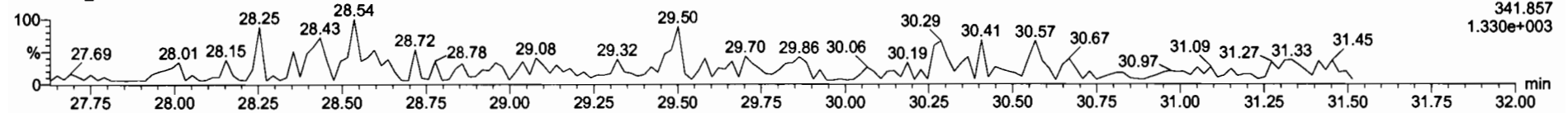
Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428

1,2,3,7,8-PeCDF

200605D1_5

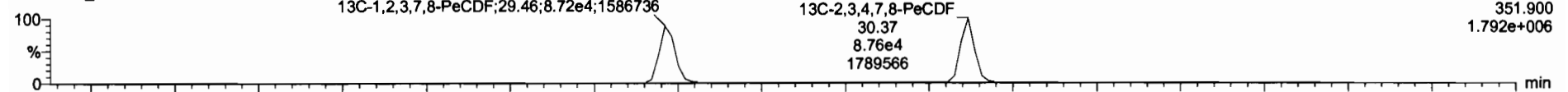


200605D1_5

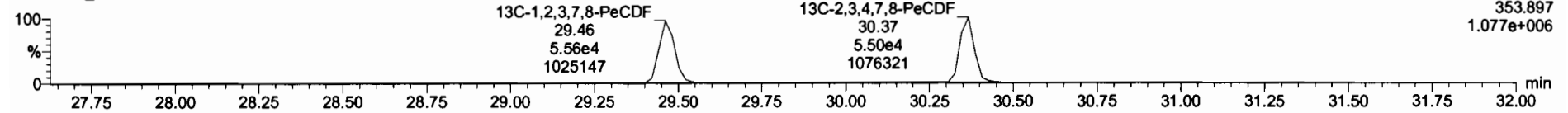


13C-1,2,3,7,8-PeCDF

200605D1_5

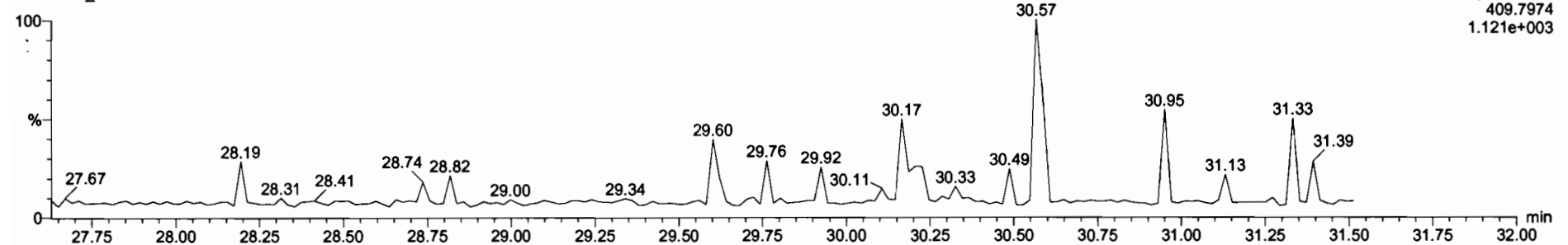


200605D1_5



DPE2

200605D1_5

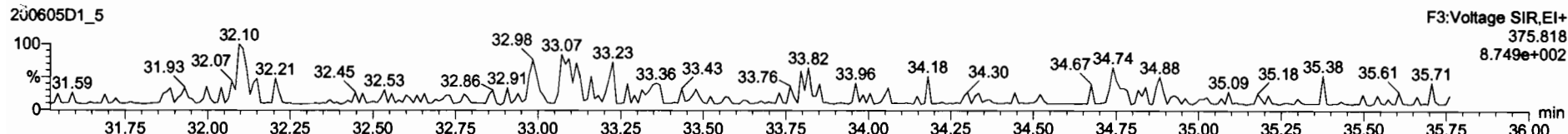
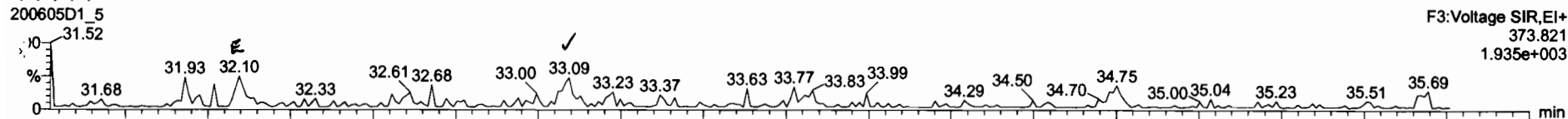


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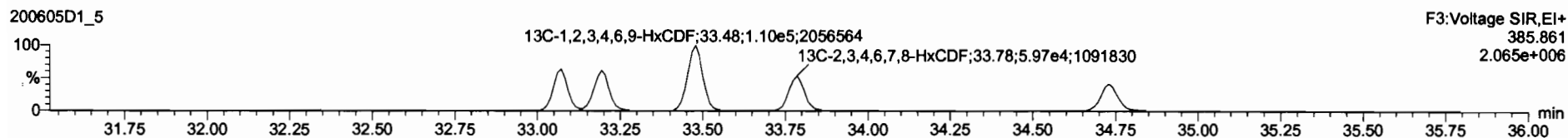
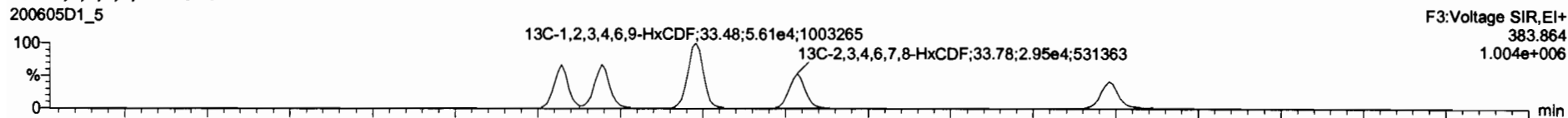
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Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428

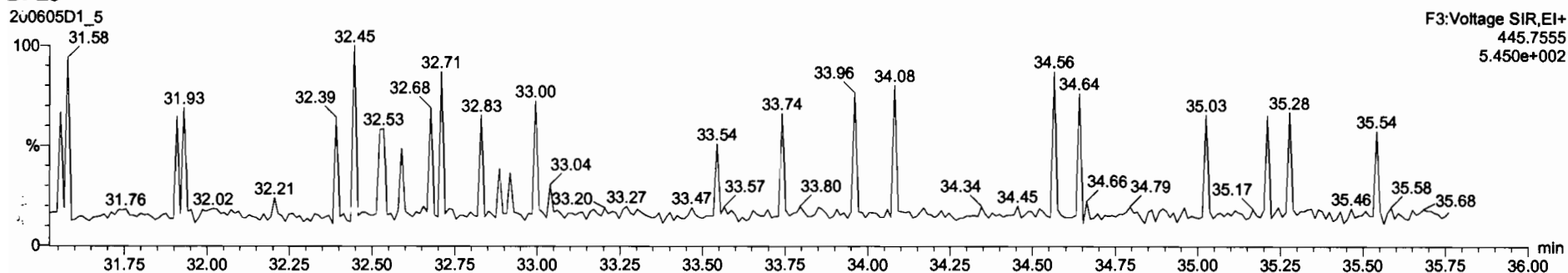
1,2,3,4,7,8-HxCDF

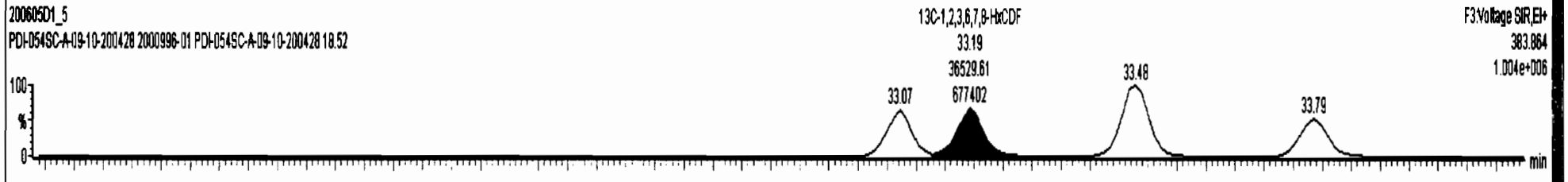
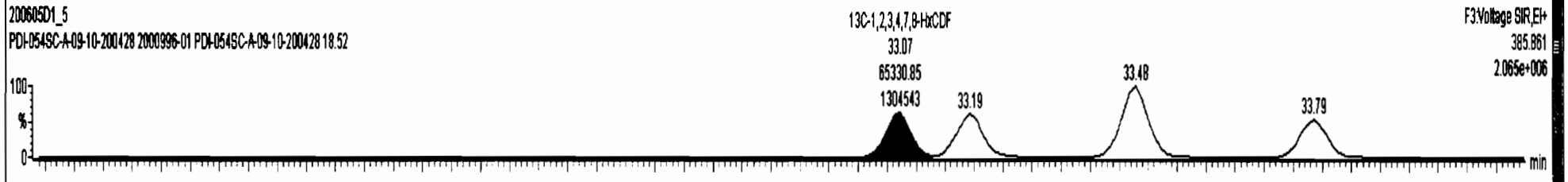
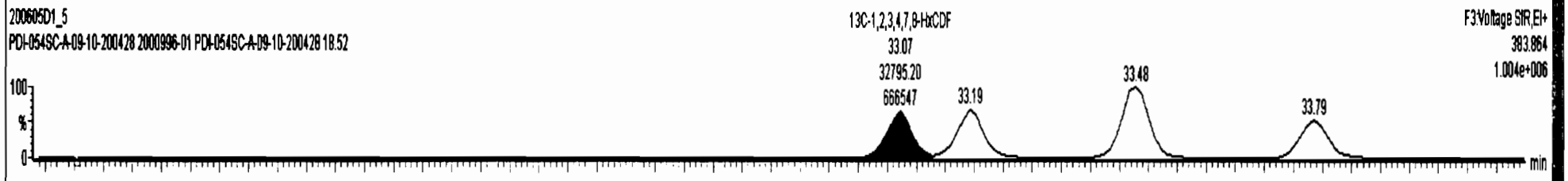
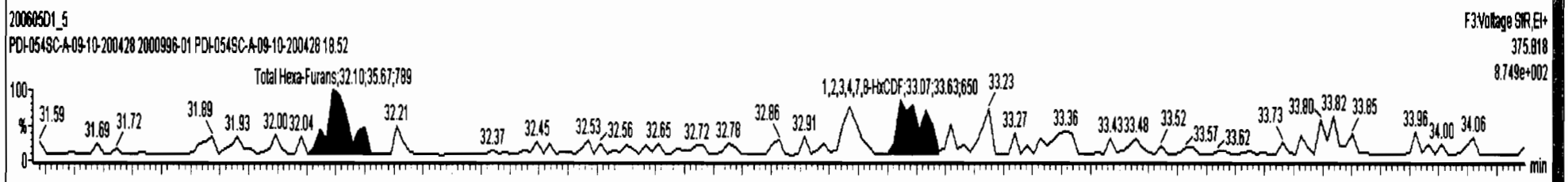
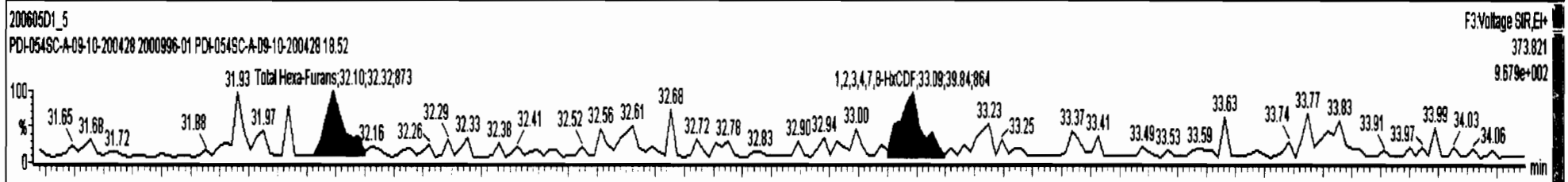


13C-1,2,3,4,7,8-HxCDF



DPE3



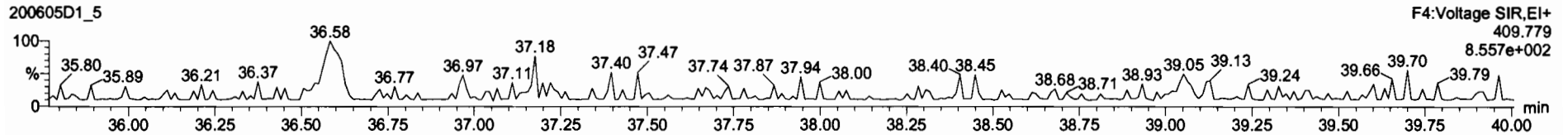
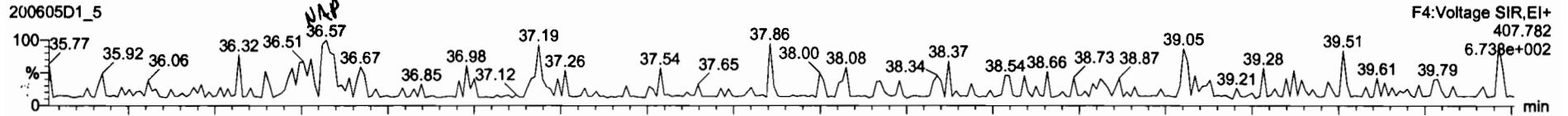


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_5.qld

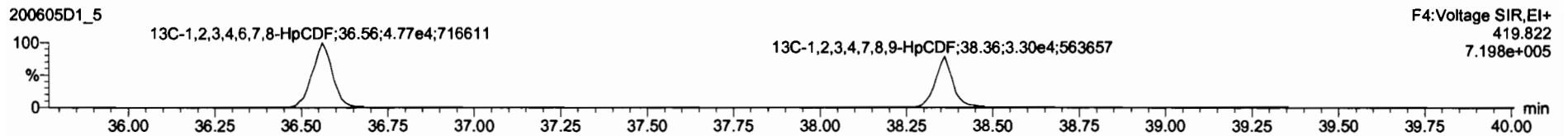
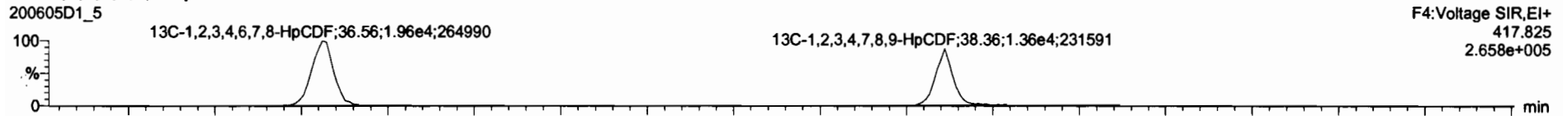
Last Altered: Monday, June 08, 2020 09:48:52 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:04:26 Pacific Daylight Time

Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428

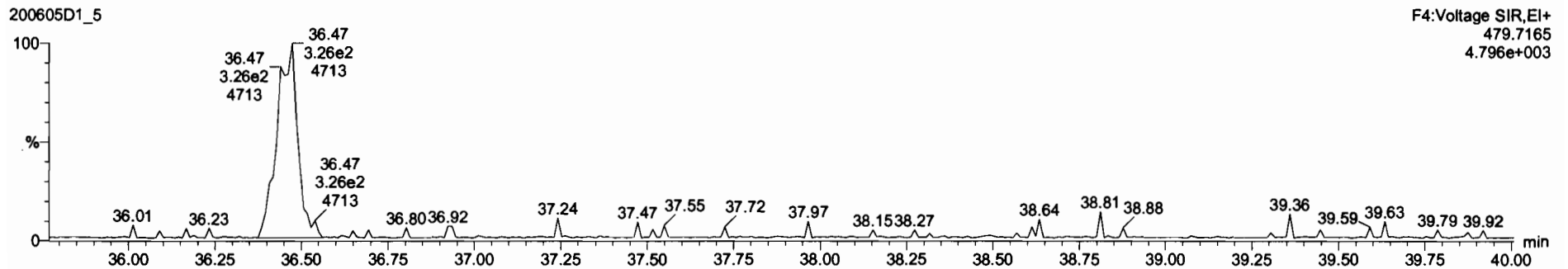
1,2,3,4,6,7,8-HpCDF



¹³C-1,2,3,4,6,7,8-HpCDF



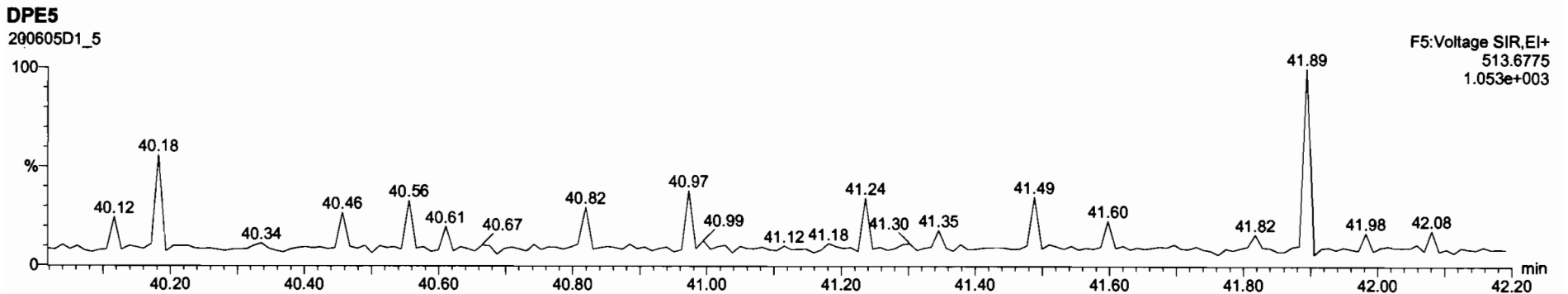
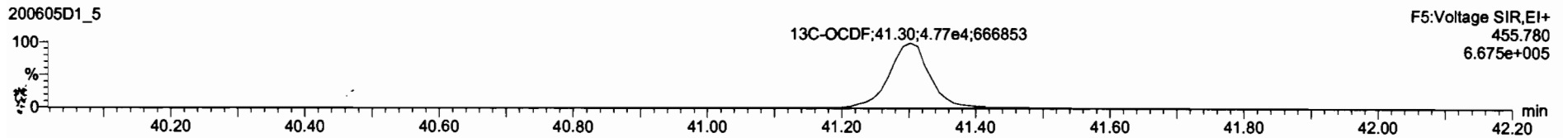
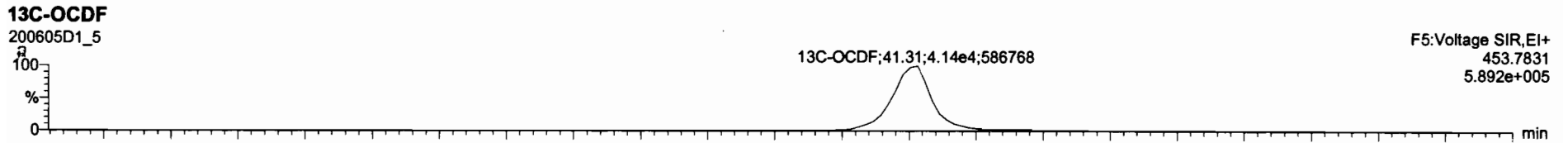
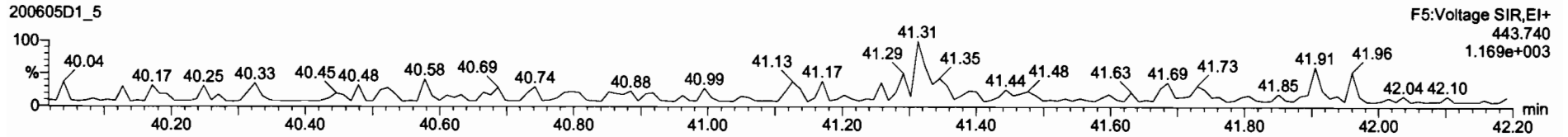
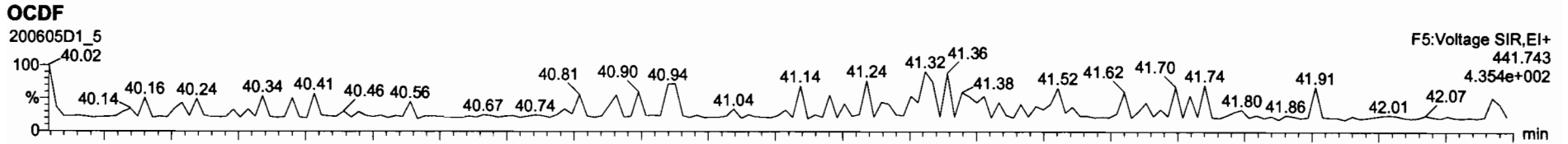
DPE4



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_5.qld

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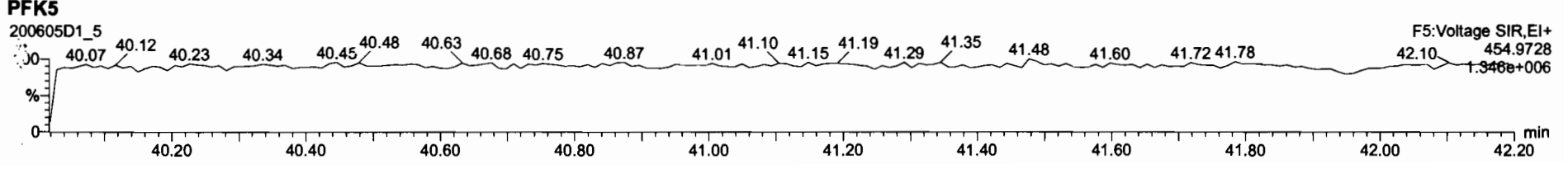
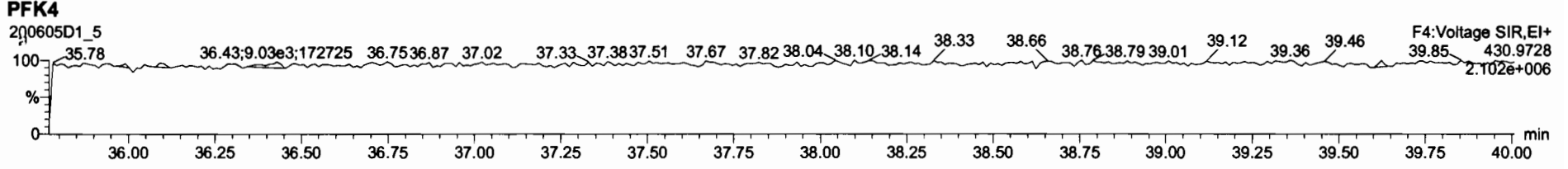
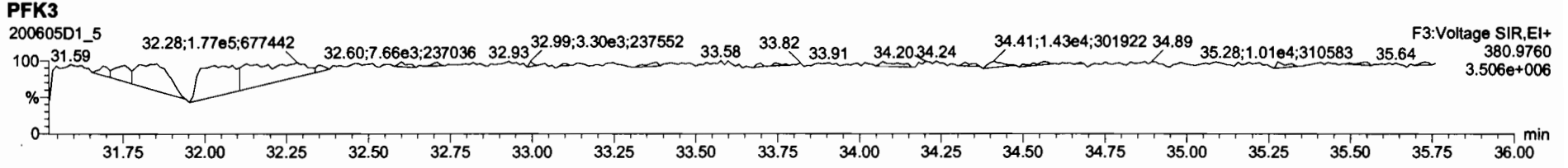
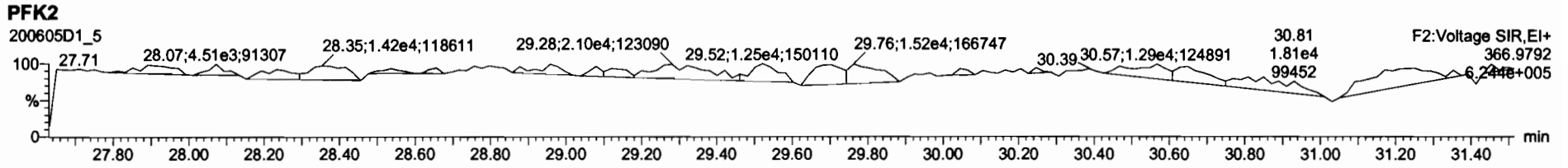
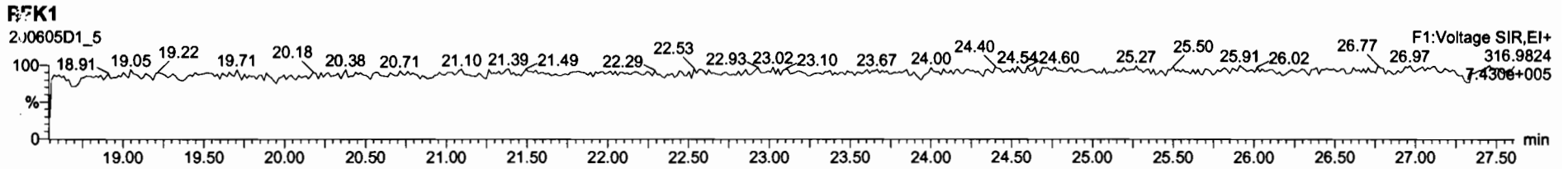
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Dataset: U:\VG7.PRO\Results\200605D1\200605D1_5.qld

Last Altered: Monday, June 08, 2020 09:48:52 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:04:26 Pacific Daylight Time

Name: 200605D1_5, Date: 05-Jun-2020, Time: 15:22:07, ID: 2000996-01 PDI-054SC-A-09-10-200428 18.52, Description: PDI-054SC-A-09-10-200428



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

Last Altered: Wednesday, June 24, 2020 12:25:35 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:27:03 Pacific Daylight Time

DB 6/24/20 C7 07/09/2020

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

Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	Wt%	DL	EMPC
1	2,3,7,8-TCDD			NO	0.986	10.061	26.081		1.001				0.464	
2	1,2,3,7,8-PeCDD			NO	0.964	10.061	30.629		1.001				0.549	
3	1,2,3,4,7,8-HxCDD			NO	1.16	10.061	33.916		1.000				0.554	
4	1,2,3,6,7,8-HxCDD			NO	1.01	10.061	34.005		1.000				0.510	
5	1,2,3,7,8,9-HxCDD			NO	1.01	10.061	34.346		1.001				0.677	
6	1,2,3,4,6,7,8-HpCDD	2.01e2	0.98	NO	0.997	10.061	37.790	37.78	1.000	1.000	1.5138		1.17	1.51
7	OCDD	9.76e2	0.77	NO	1.01	10.061	41.027	41.04	1.000	1.000	8.9557		0.981	8.96
8	2,3,7,8-TCDF			NO	0.833	10.061	25.280		1.001				0.474	
9	1,2,3,7,8-PeCDF			NO	0.965	10.061	29.442		1.001				0.212	
10	2,3,4,7,8-PeCDF			NO	1.01	10.061	30.336		1.001				0.199	
11	1,2,3,4,7,8-HxCDF			NO	1.09	10.061	33.017		1.000				0.194	
12	1,2,3,6,7,8-HxCDF			NO	1.07	10.061	33.148		1.000				0.175	
13	2,3,4,6,7,8-HxCDF			NO	1.15	10.061	33.775		1.001				0.193	
14	1,2,3,7,8,9-HxCDF			NO	1.11	10.061	34.674		1.000				0.299	
15	1,2,3,4,6,7,8-HpCDF			NO	1.16	10.061	36.544		1.001				0.316	
16	1,2,3,4,7,8,9-HpCDF			NO	1.35	10.061	38.317		1.000				0.327	
17	OCDF			NO	0.949	10.061	41.247		1.000				0.738	
18	13C-2,3,7,8-TCDD	5.34e4	0.77	NO	1.26	10.061	26.131	26.05	1.026	1.023	148.32	74.6	2.46	
19	13C-1,2,3,7,8-PeCDD	4.11e4	0.61	NO	0.921	10.061	30.614	30.61	1.202	1.202	156.16	78.6	1.50	
20	13C-1,2,3,4,7,8-HxCDD	3.02e4	1.26	NO	0.707	10.061	33.891	33.91	1.014	1.014	150.90	75.9	1.23	
21	13C-1,2,3,6,7,8-HxCDD	3.95e4	1.35	NO	0.829	10.061	34.001	34.01	1.017	1.017	168.70	84.9	1.05	
22	13C-1,2,3,7,8,9-HxCDD	3.50e4	1.31	NO	0.808	10.061	34.272	34.31	1.025	1.027	153.26	77.1	1.08	
23	13C-1,2,3,4,6,7,8-HpCDD	2.66e4	1.07	NO	0.662	10.061	37.735	37.78	1.129	1.130	141.97	71.4	1.43	
24	13C-OCDD	4.28e4	0.91	NO	0.608	10.061	40.756	41.03	1.219	1.228	248.82	62.6	1.54	
25	13C-2,3,7,8-TCDF	7.55e4	0.79	NO	1.07	10.061	25.214	25.25	0.990	0.992	144.82	72.9	1.36	
26	13C-1,2,3,7,8-PeCDF	6.99e4	1.77	NO	0.826	10.061	29.435	29.42	1.156	1.155	173.19	87.1	1.00	
27	13C-2,3,4,7,8-PeCDF	6.62e4	1.67	NO	0.796	10.061	30.334	30.31	1.191	1.190	170.34	85.7	1.04	
28	13C-1,2,3,4,7,8-HxCDF	4.55e4	0.47	NO	1.08	10.061	33.022	33.02	0.988	0.988	149.80	75.4	1.60	
29	13C-1,2,3,6,7,8-HxCDF	4.91e4	0.51	NO	1.12	10.061	33.156	33.14	0.992	0.991	154.41	77.7	1.53	
30	13C-2,3,4,6,7,8-HxCDF	4.39e4	0.52	NO	1.02	10.061	33.727	33.74	1.009	1.010	151.71	76.3	1.68	
31	13C-1,2,3,7,8,9-HxCDF	3.58e4	0.49	NO	0.887	10.061	34.626	34.67	1.036	1.037	142.74	71.8	1.94	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

Last Altered: Wednesday, June 24, 2020 12:25:35 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:27:03 Pacific Daylight Time

Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

#	Name	Resp	RA	n/y	RRF	w/vol	PreLRT	RT	PostLRT	RRT	Conc	SSC	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	3.33e4	0.45	NO	0.811	10.061	36.331	36.51	1.087	1.092	145.49	73.2	1.72	
33	13C-1,2,3,4,7,8,9-HpCDF	2.54e4	0.45	NO	0.598	10.061	38.336	38.32	1.147	1.146	150.37	75.6	2.33	
34	13C-OCDF	5.38e4	0.89	NO	0.752	10.061	40.910	41.25	1.224	1.234	252.95	63.6	1.24	
35	37Cl-2,3,7,8-TCDD	2.20e4			1.24	10.061	26.129	26.07	1.026	1.023	62.018	78.0	0.242	
36	13C-1,2,3,4-TCDD	5.68e4	0.81	NO	1.00	10.061	25.480	25.47	1.000	1.000	198.79	100	3.10	
37	13C-1,2,3,4-TCDF	9.71e4	0.82	NO	1.00	10.061	24.020	24.02	1.000	1.000	198.79	100	1.46	
38	13C-1,2,3,4,6,9-HxCDF	5.62e4	0.51	NO	1.00	10.061	33.530	33.42	1.000	1.000	198.79	100	1.72	
39	Total Tetra-Dioxins				0.986	10.061	24.620		0.000				0.319	
40	Total Penta-Dioxins				0.964	10.061	29.960		0.000				0.197	
41	Total Hexa-Dioxins				1.01	10.061	33.635		0.000		0.00000		0.329	0.911
42	Total Hepta-Dioxins				0.997	10.061	37.640		0.000		1.5138		1.17	3.36
43	Total Tetra-Furans				0.833	10.061	23.610		0.000		1.0107		0.474	1.27
44	1st Func. Penta-Furans				0.965	10.061	27.090		0.000				0.0472	
45	Total Penta-Furans				0.965	10.061	29.275		0.000				0.108	
46	Total Hexa-Furans				1.15	10.061	33.555		0.000				0.129	
47	Total Hepta-Furans				1.16	10.061	37.835		0.000				0.196	

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

Last Altered: Wednesday, June 24, 2020 12:25:35 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 12:27:03 Pacific Daylight Time

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

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

Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

Tetra-Dioxins

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

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

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	32.39	3.403e3	2.078e3	1.245e2	7.190e1	1.73	YES	0.000e0	0.00000	0.91089	0.329

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	36.91	2.399e3	1.738e3	1.636e2	1.207e2	1.36	YES	0.000e0	0.00000	1.8496	1.17
1,2,3,4,6,7,8-HpCDD	37.78	1.383e3	1.799e3	9.962e1	1.019e2	0.98	NO	2.015e2	1.5138	1.5138	1.17

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	21.63	2.306e3	1.777e3	1.414e2	1.786e2	0.79	NO	3.201e2	1.0107	1.0107	0.474
Total Tetra-Furans	25.50	1.896e3	9.280e2	1.102e2	4.597e1	2.40	YES	0.000e0	0.00000	0.25692	0.474

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
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Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld
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Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

Penta-Furans

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

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

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
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Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

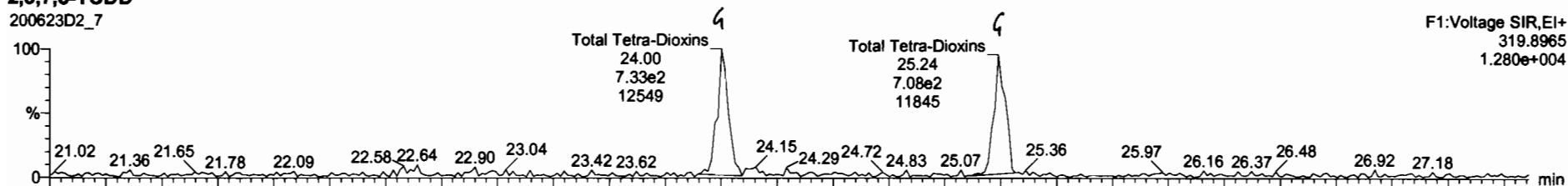
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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

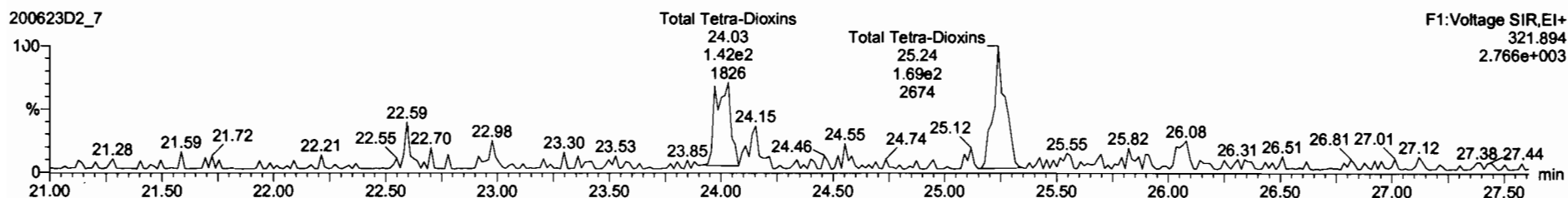
Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

2,3,7,8-TCDD

200623D2_7

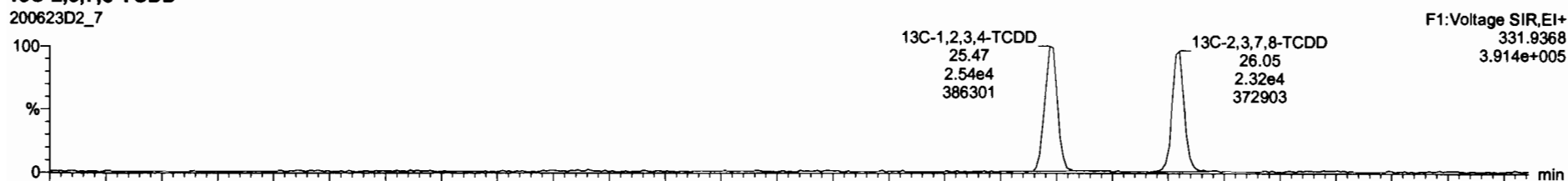


200623D2_7

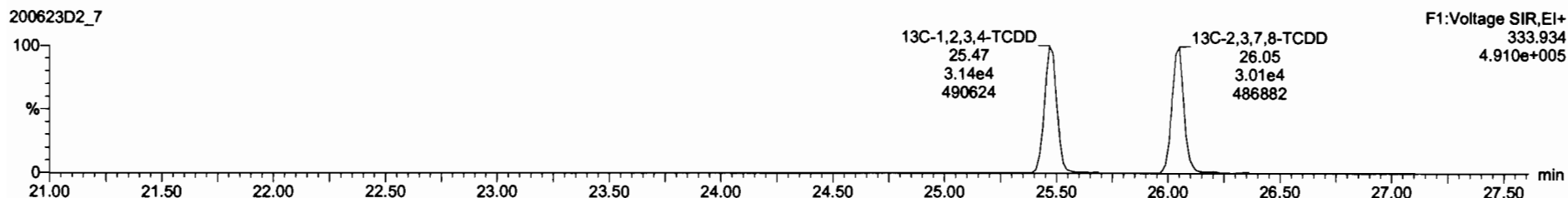


13C-2,3,7,8-TCDD

200623D2_7



200623D2_7

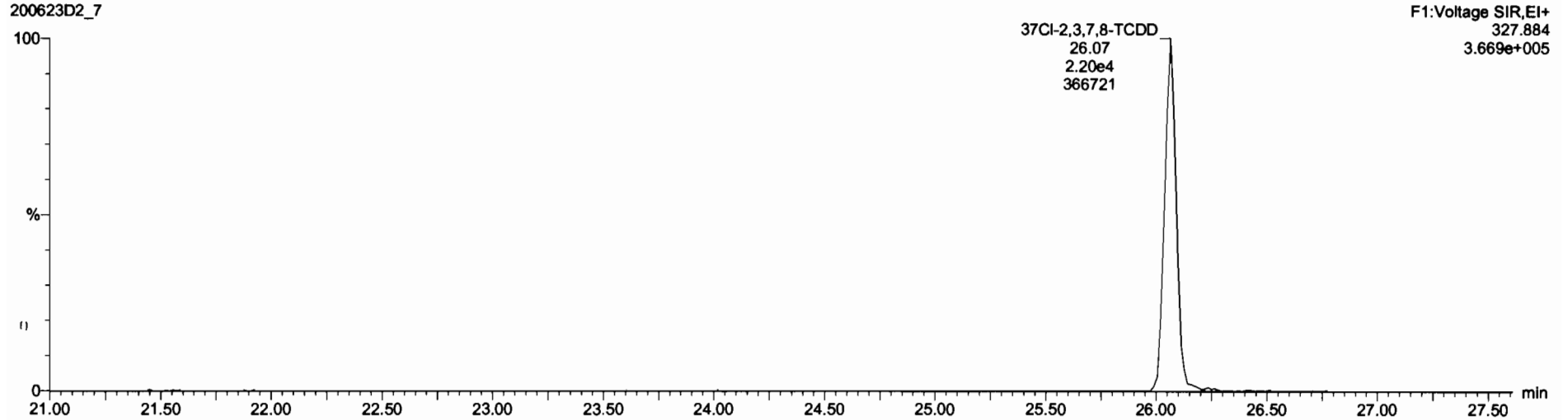


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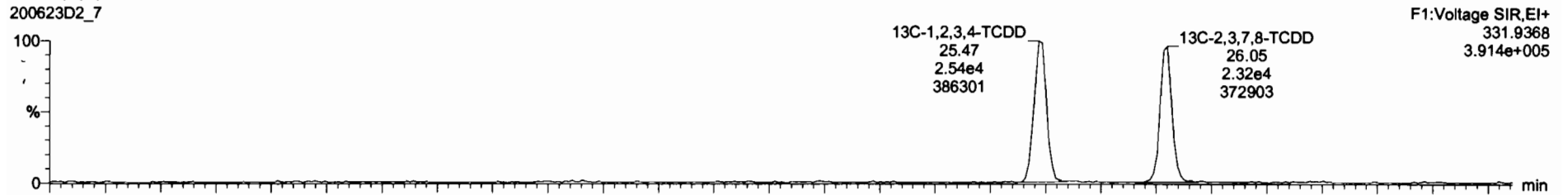
Last Altered: Wednesday, June 24, 2020 10:41:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

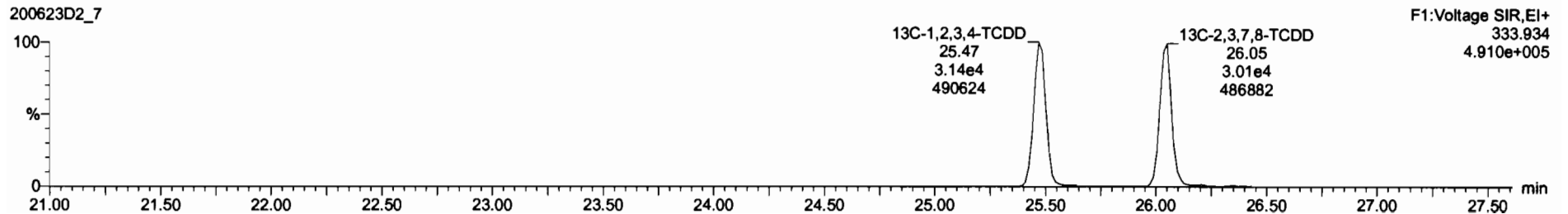
37Cl-2,3,7,8-TCDD
200623D2_7



13C-1,2,3,4-TCDD
200623D2_7



200623D2_7



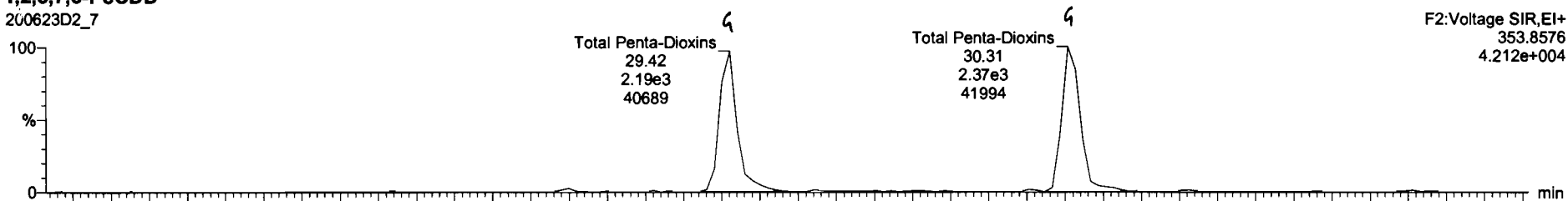
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Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

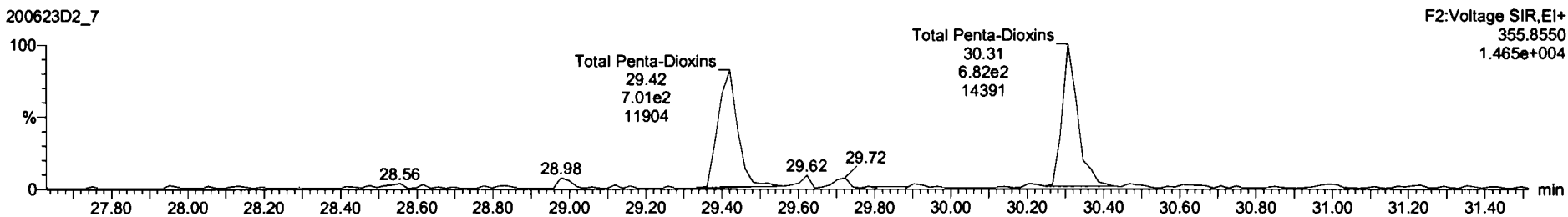
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1,2,3,7,8-PeCDD

200623D2_7

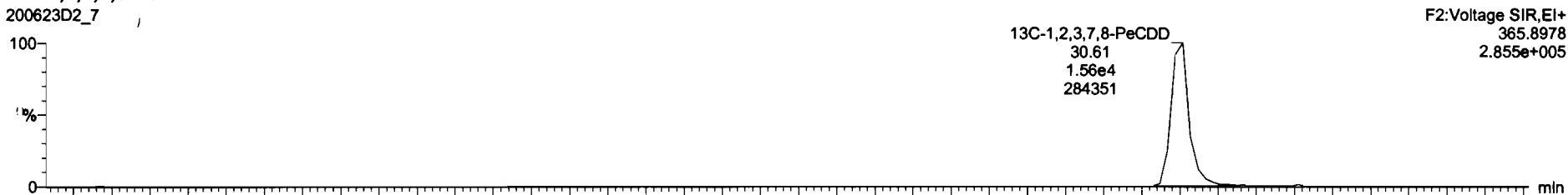


200623D2_7

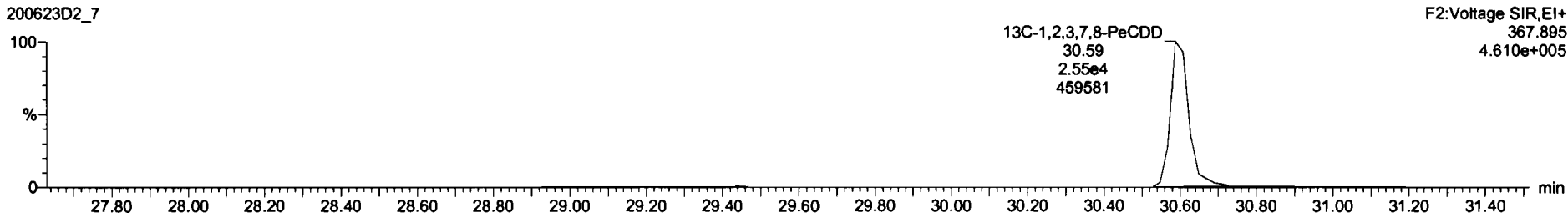


13C-1,2,3,7,8-PeCDD

200623D2_7



200623D2_7



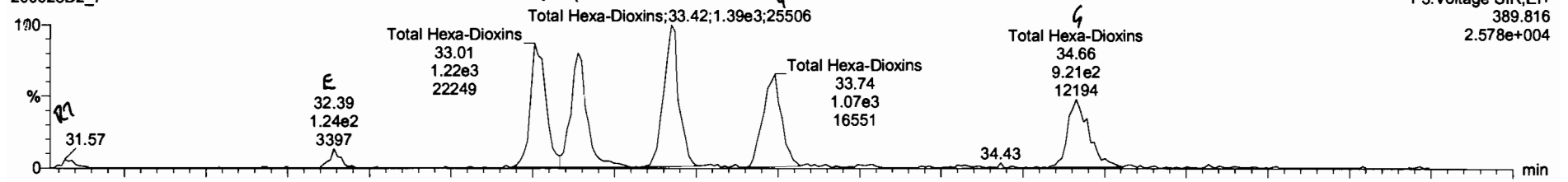
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

Last Altered: Wednesday, June 24, 2020 10:41:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

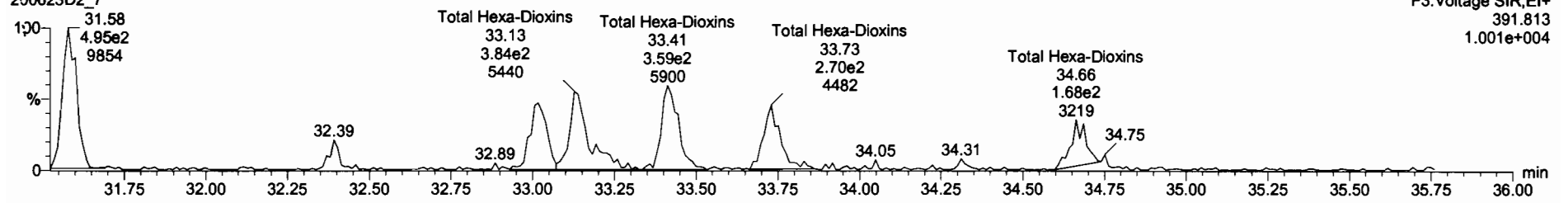
Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

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

200623D2_7

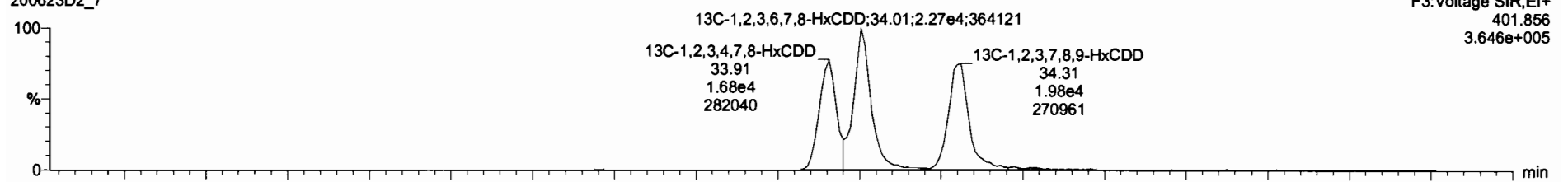


200623D2_7

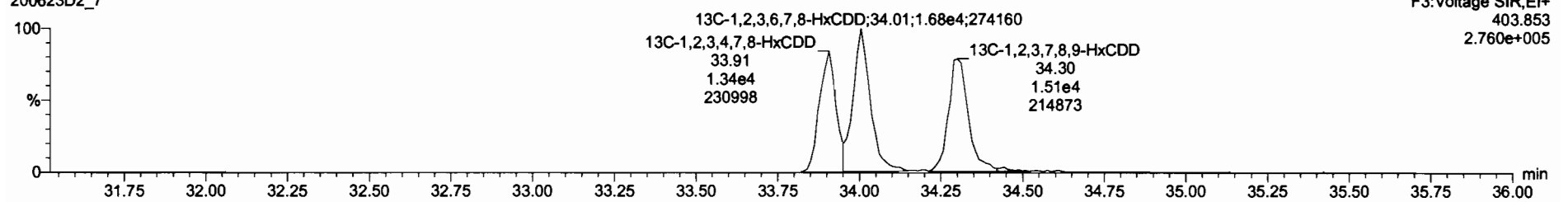


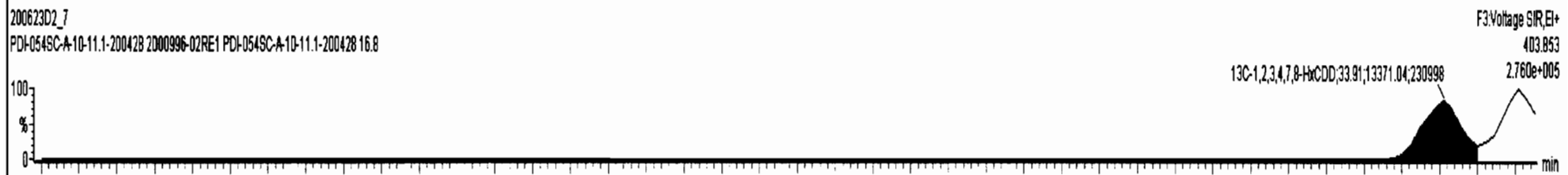
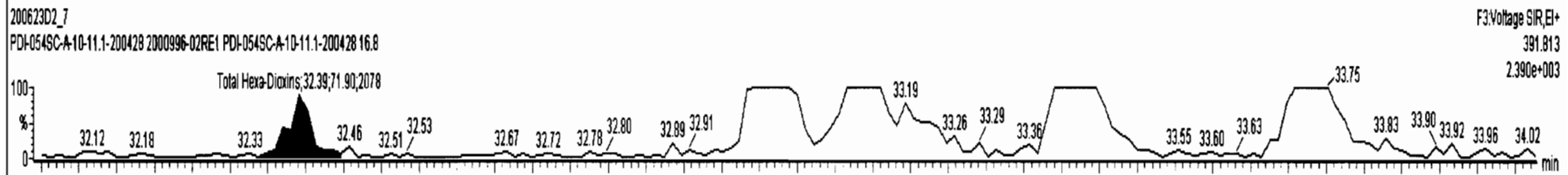
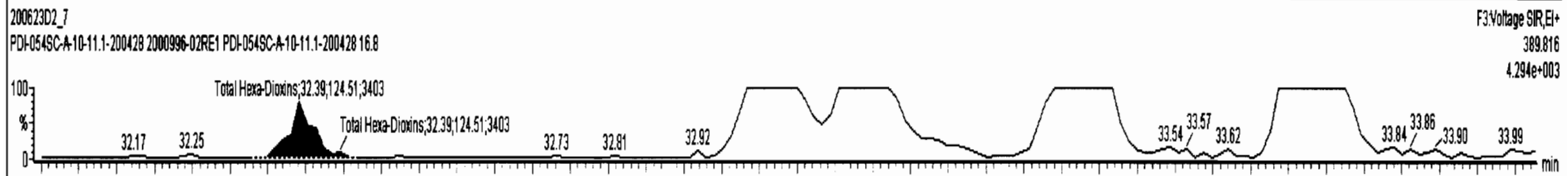
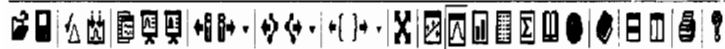
13C-1,2,3,4,7,8-HxCDD

200623D2_7



200623D2_7





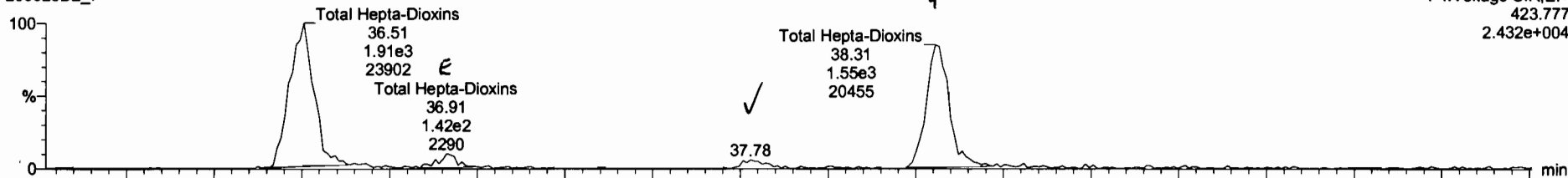
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Last Altered: Wednesday, June 24, 2020 10:41:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

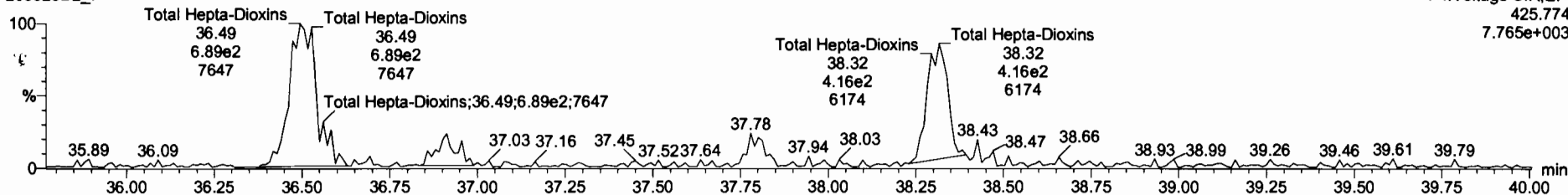
1,2,3,4,6,7,8-HpCDD

200623D2_7



F4: Voltage SIR, EI+
423.777
2.432e+004

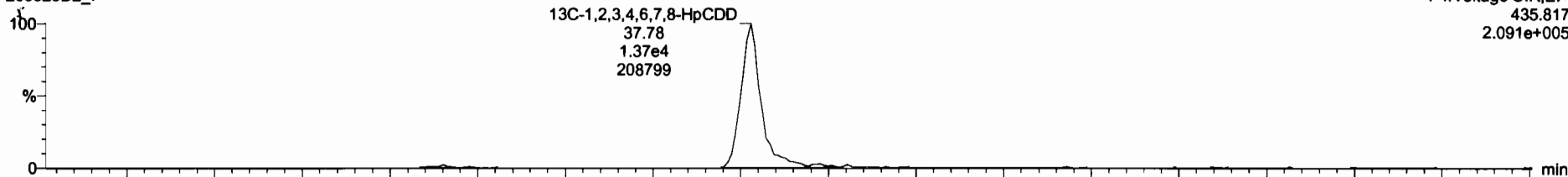
200623D2_7



F4: Voltage SIR, EI+
425.774
7.765e+003

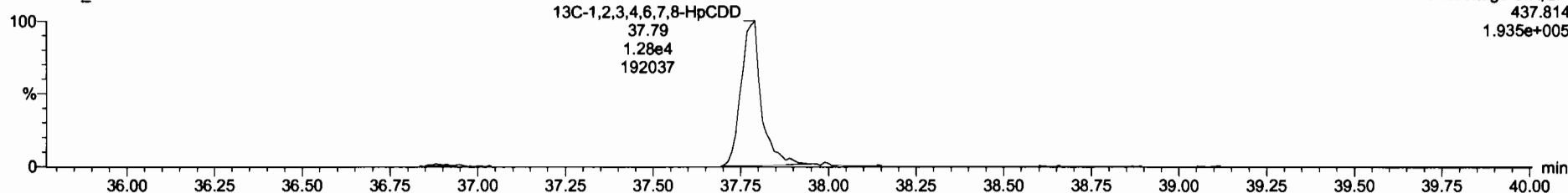
13C-1,2,3,4,6,7,8-HpCDD

200623D2_7

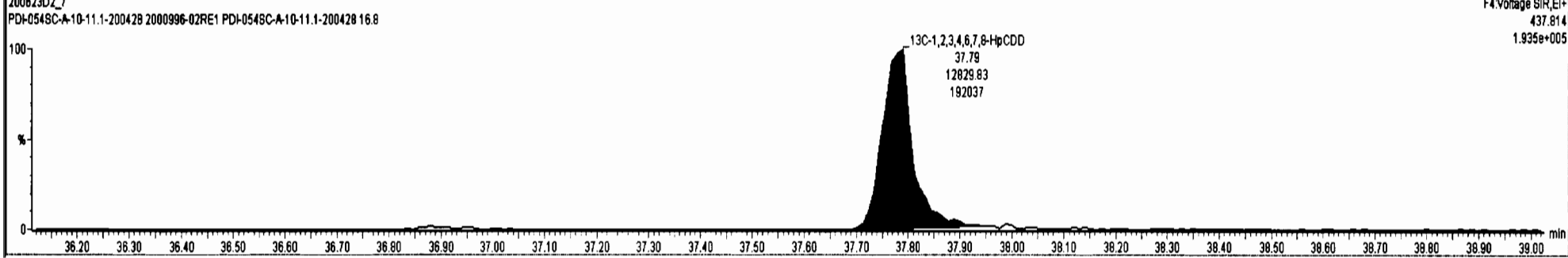
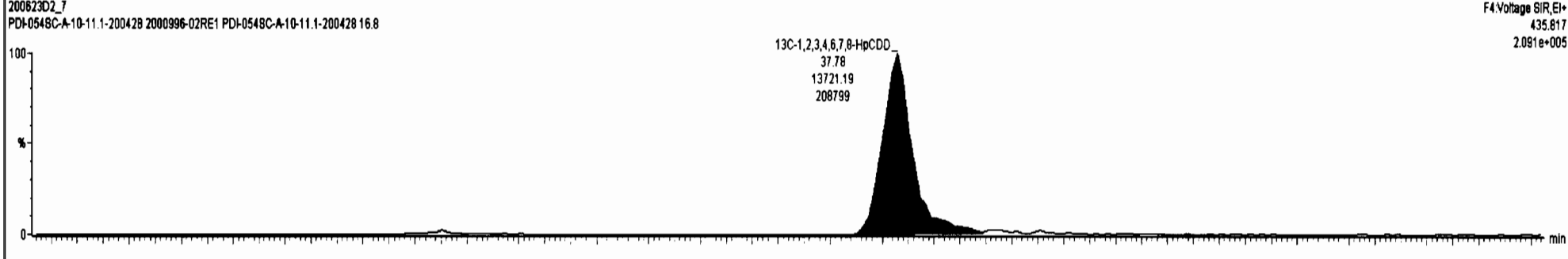
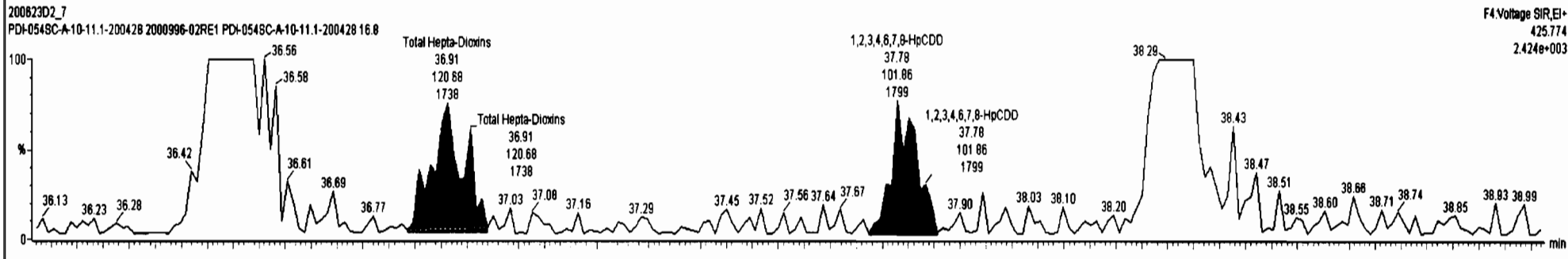
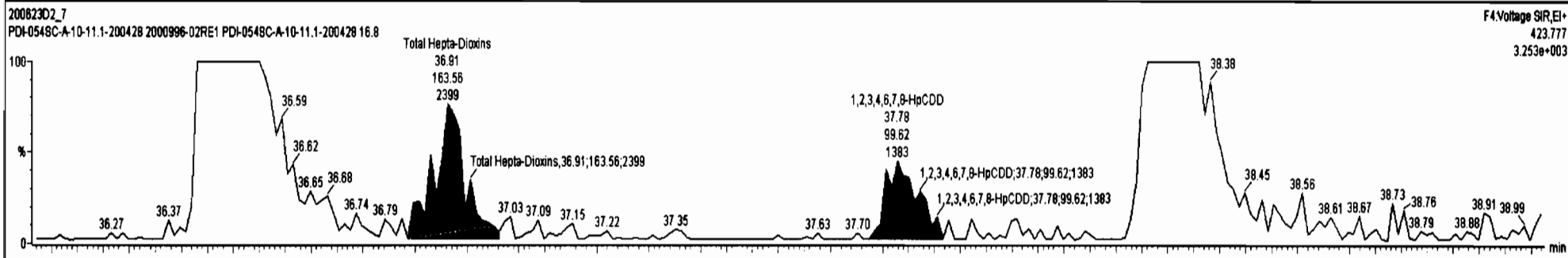


F4: Voltage SIR, EI+
435.817
2.091e+005

200623D2_7



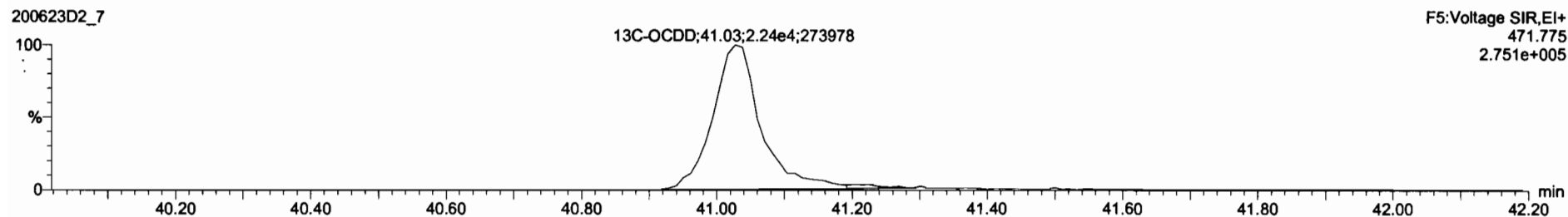
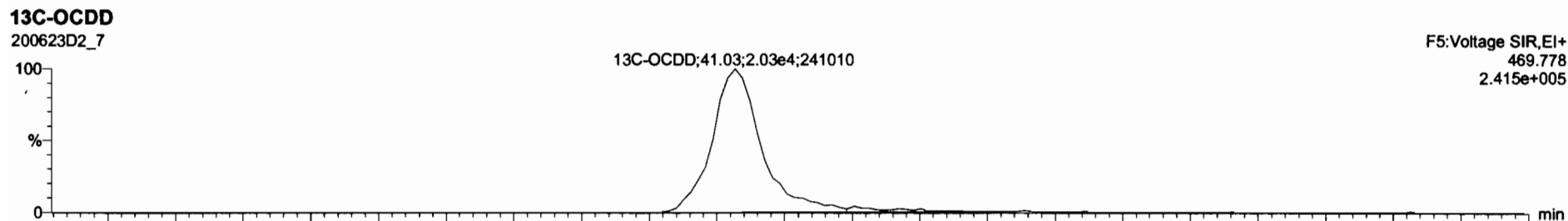
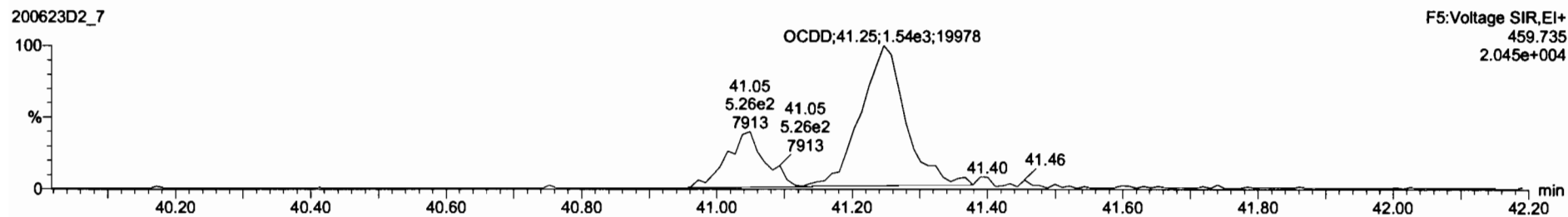
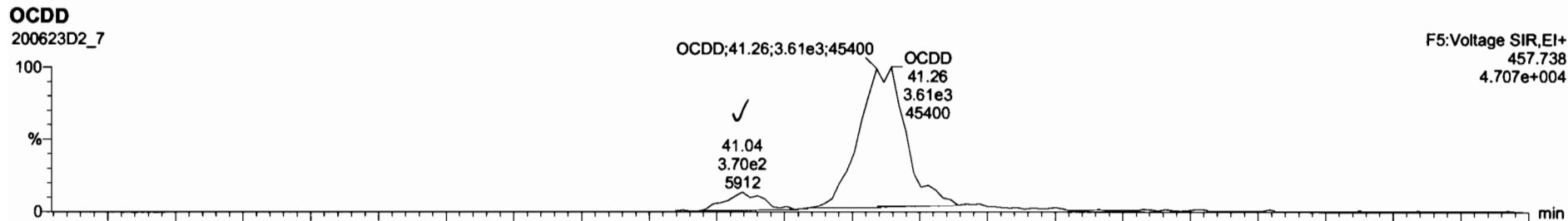
F4: Voltage SIR, EI+
437.814
1.935e+005



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

Last Altered: Wednesday, June 24, 2020 10:41:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

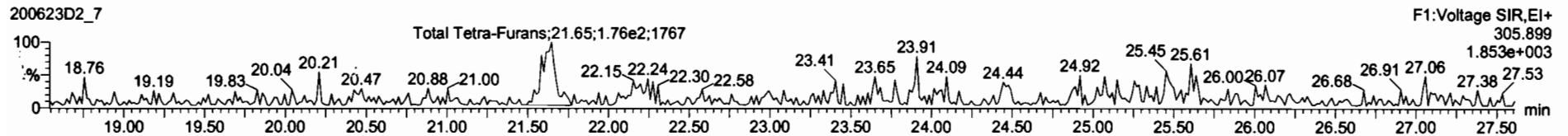
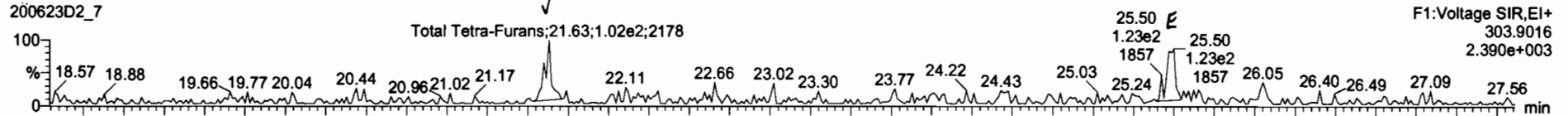


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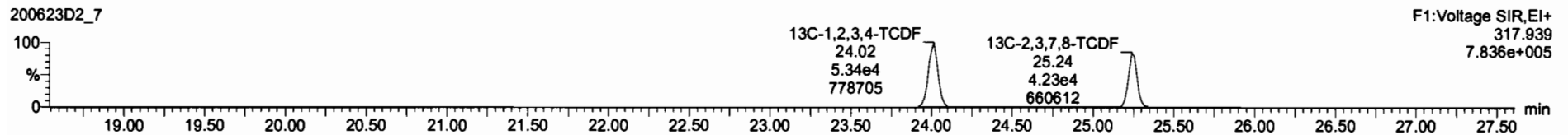
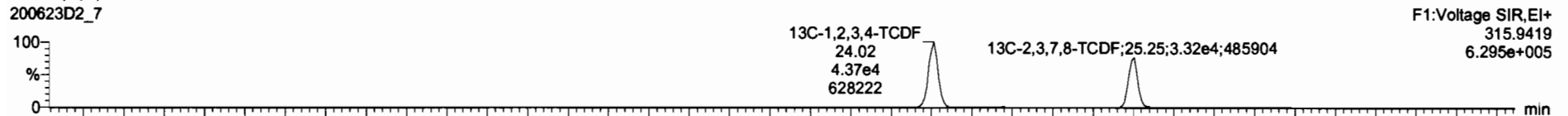
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Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

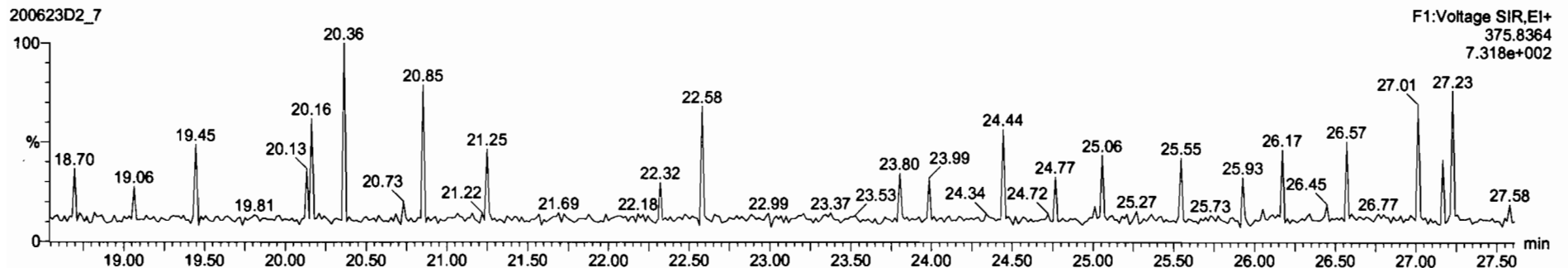
2,3,7,8-TCDF

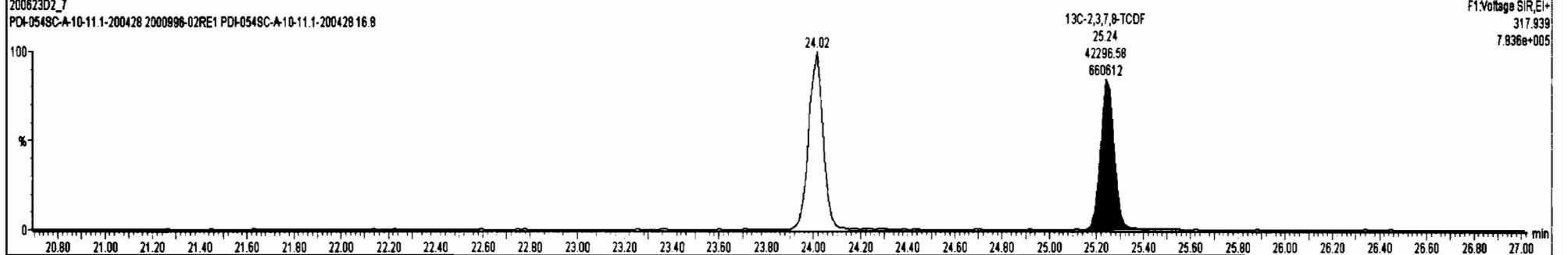
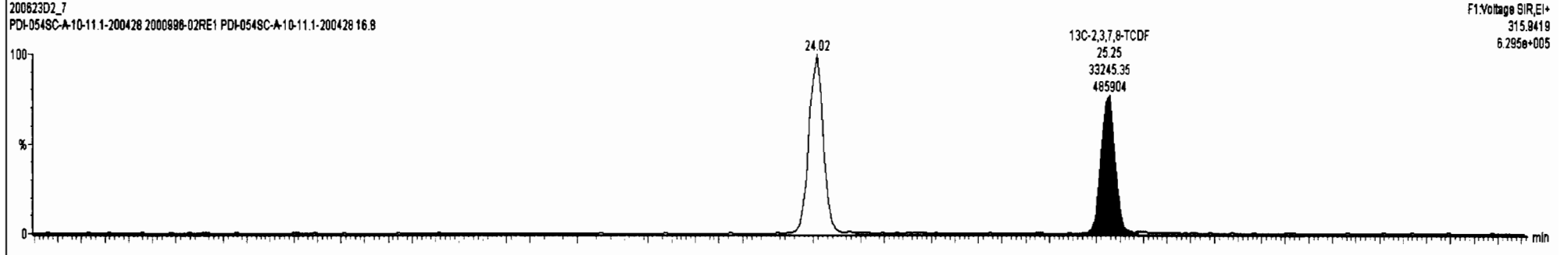
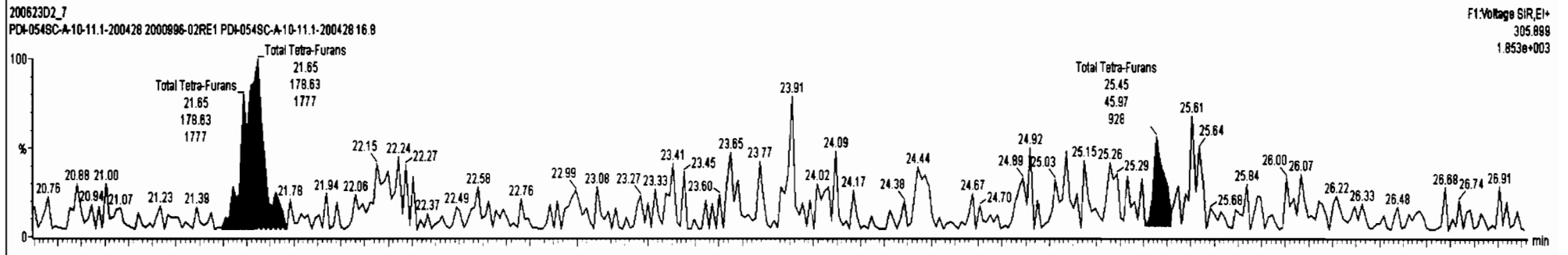
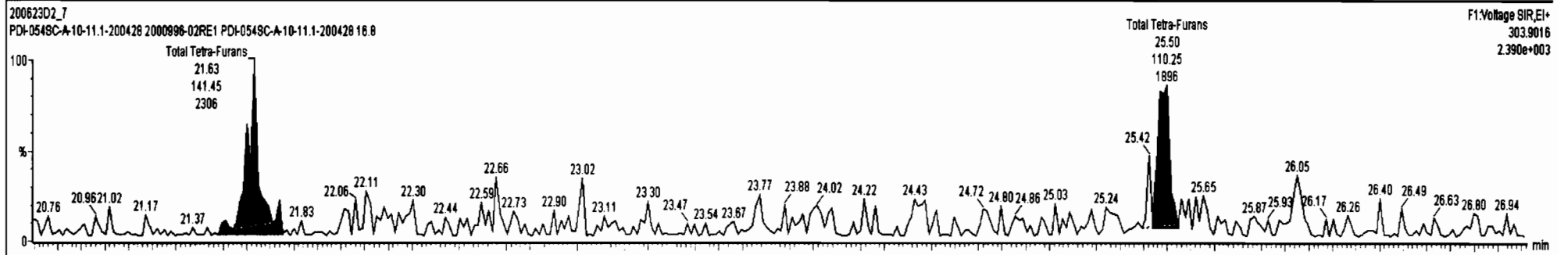


13C-2,3,7,8-TCDF



DPE1





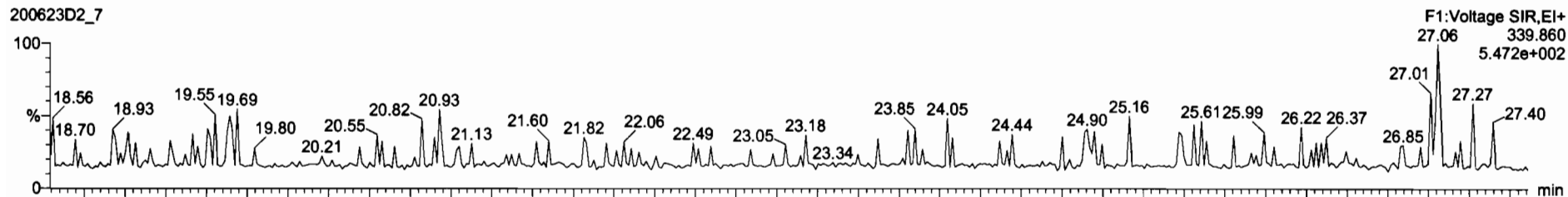
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

Last Altered: Wednesday, June 24, 2020 10:41:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

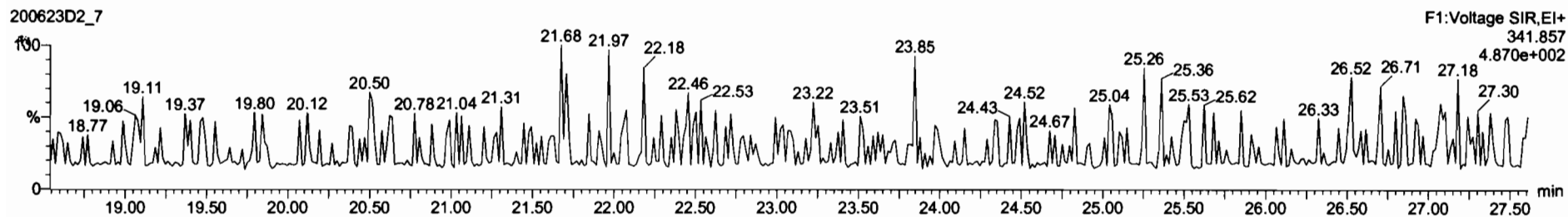
Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

1st Func. Penta-Furans

200623D2_7

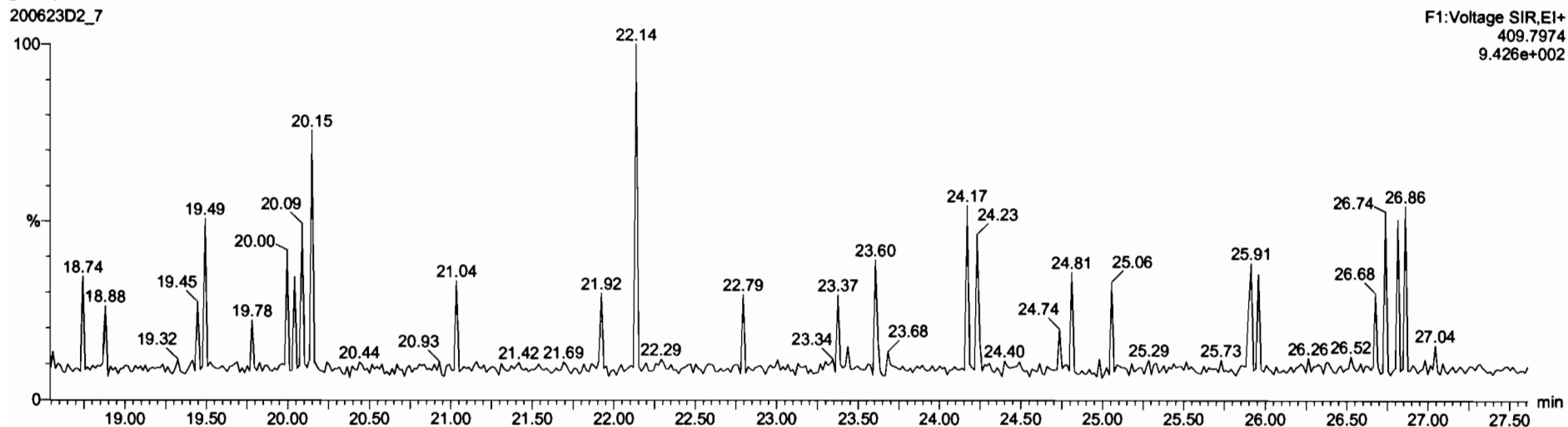


200623D2_7



DPE6

200623D2_7



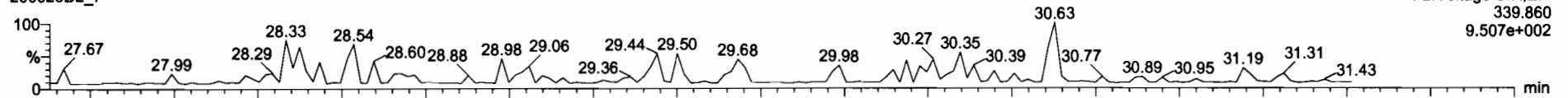
Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

Last Altered: Wednesday, June 24, 2020 10:41:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

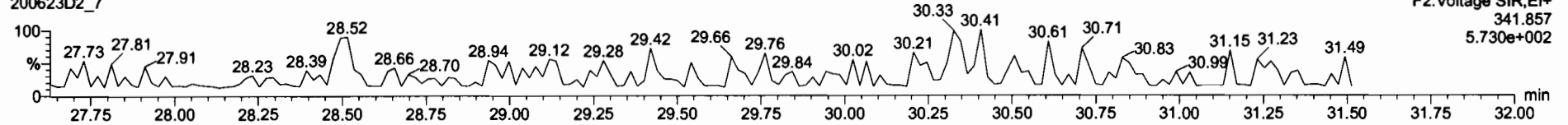
Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

1,2,3,7,8-PeCDF

200623D2_7

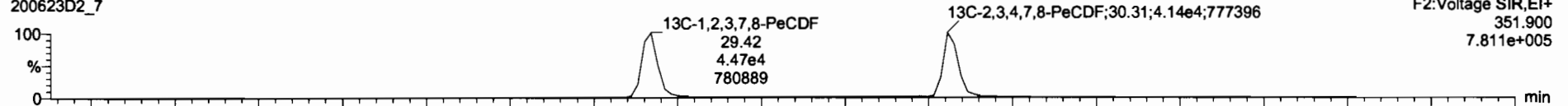


200623D2_7

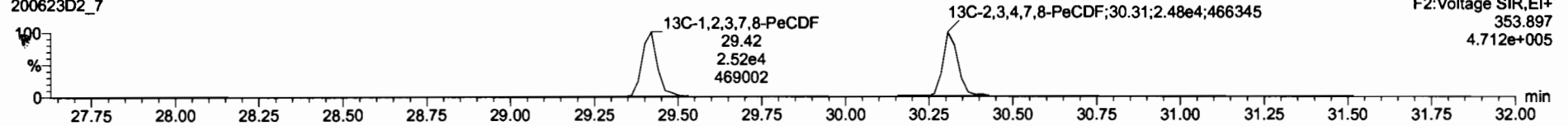


13C-1,2,3,7,8-PeCDF

200623D2_7

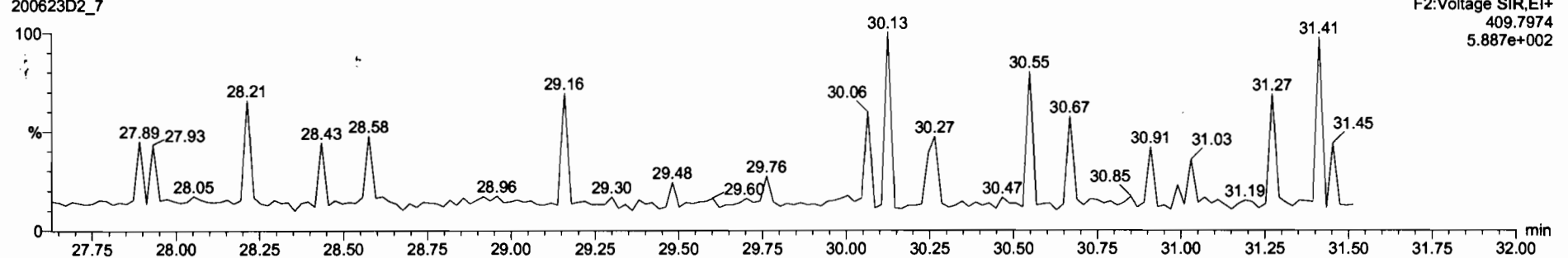


200623D2_7



DPE2

200623D2_7



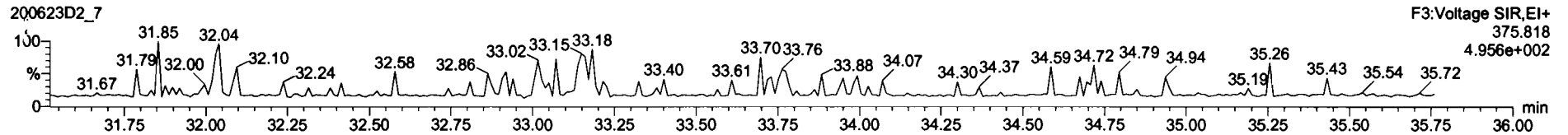
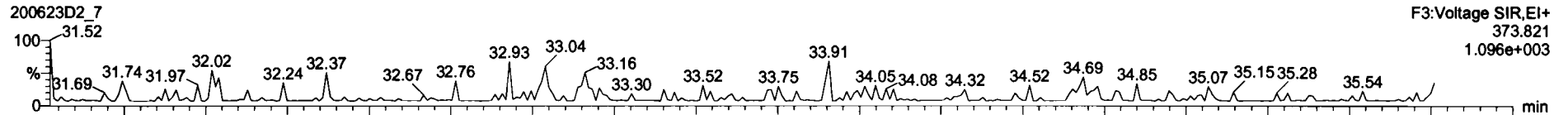
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Last Altered: Wednesday, June 24, 2020 10:41:58 Pacific Daylight Time

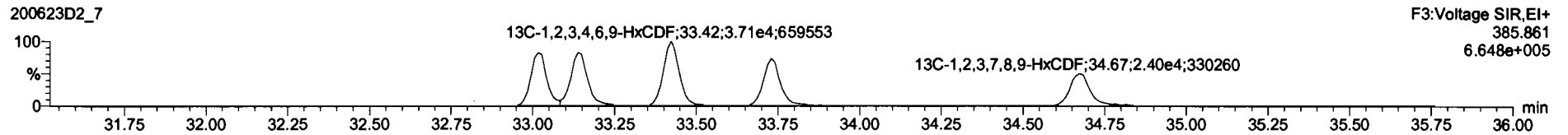
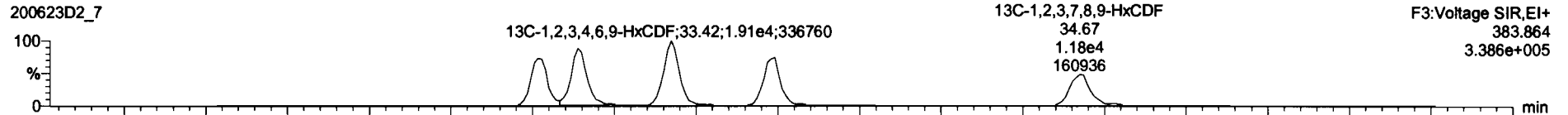
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Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

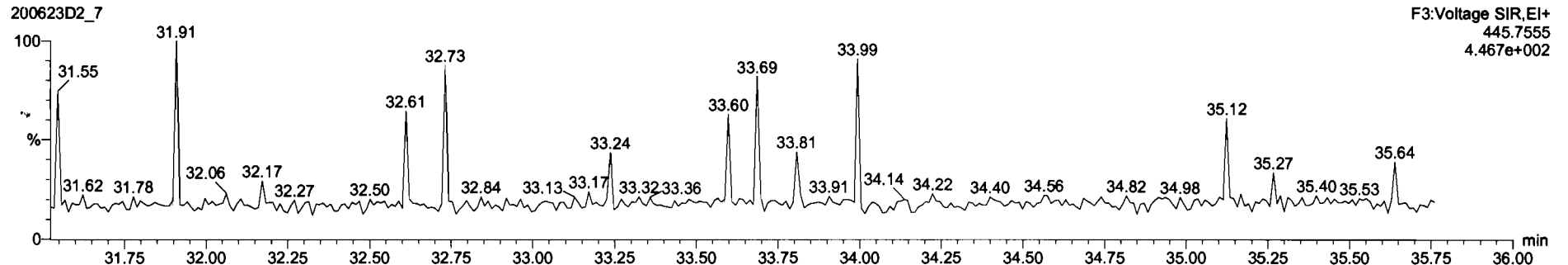
1,2,3,4,7,8-HxCDF



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



DPE3

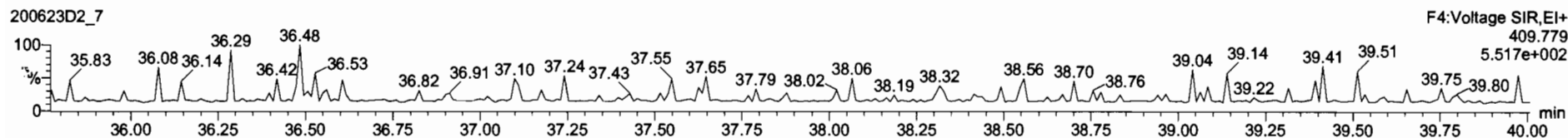
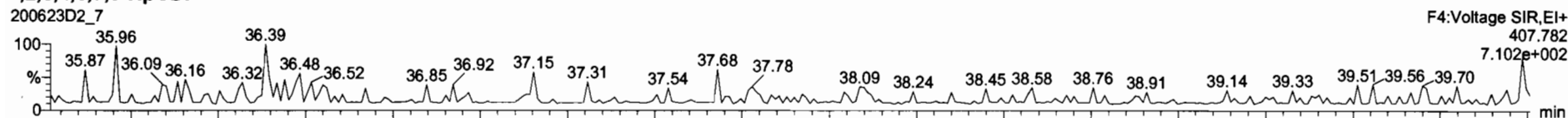


Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

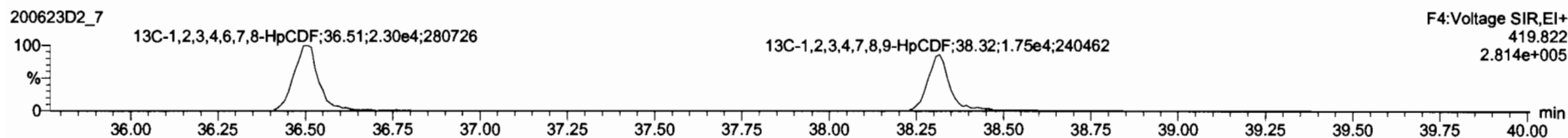
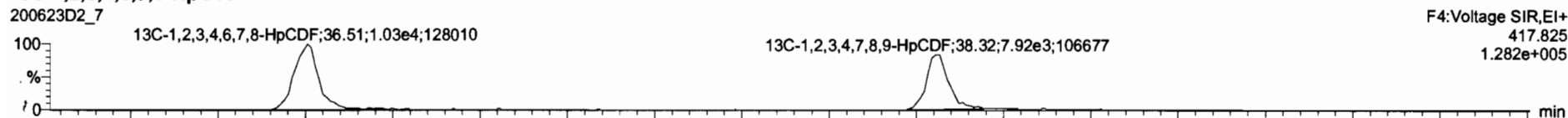
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Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428

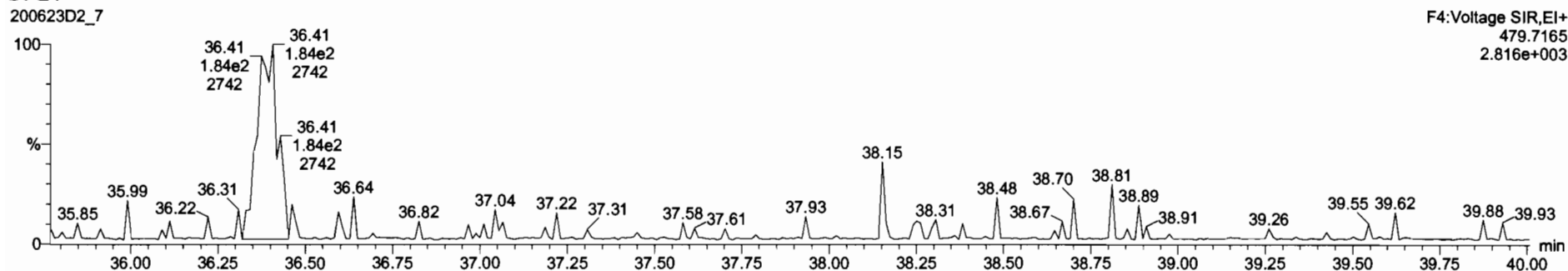
1,2,3,4,6,7,8-HpCDF



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



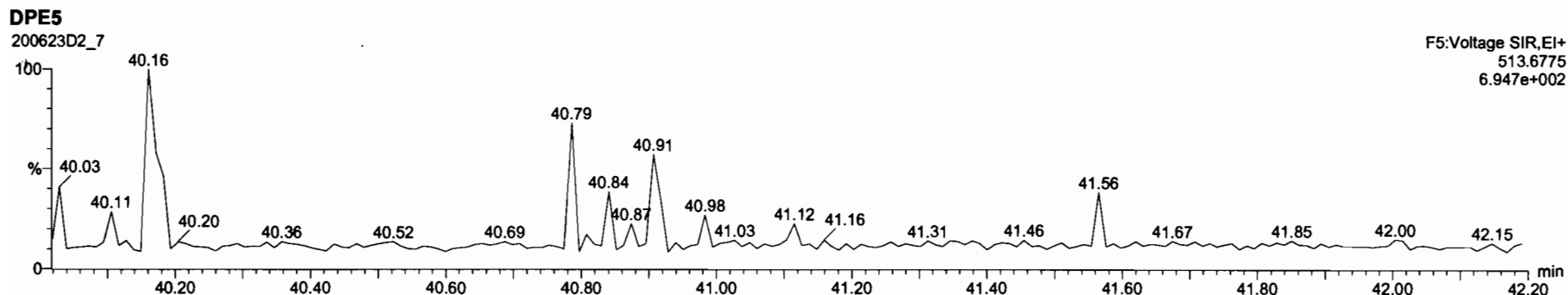
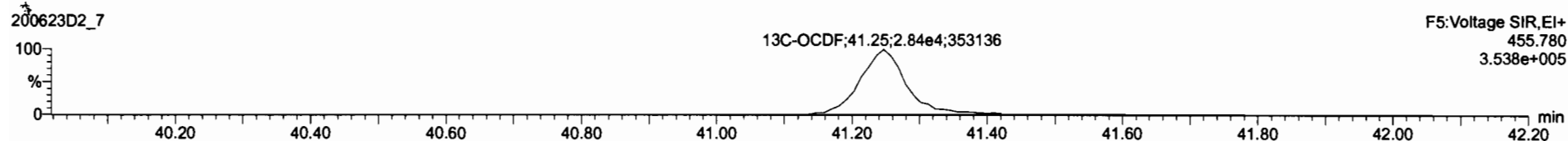
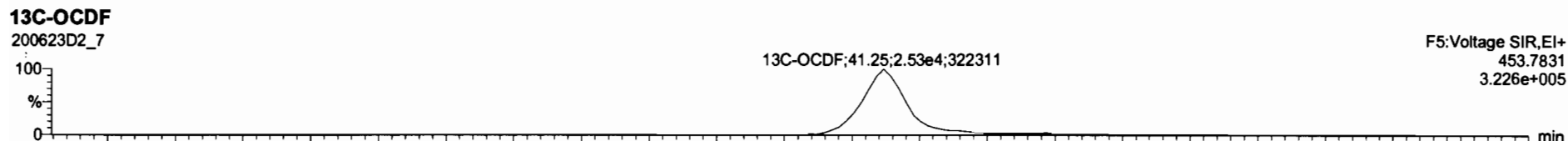
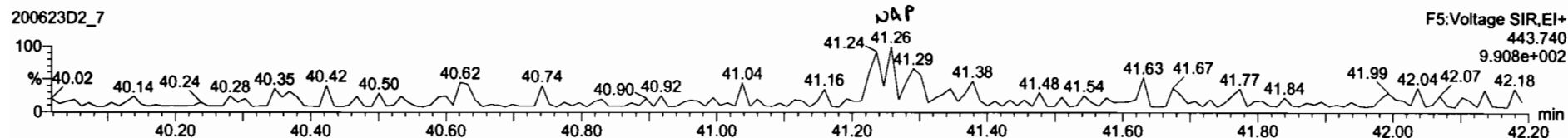
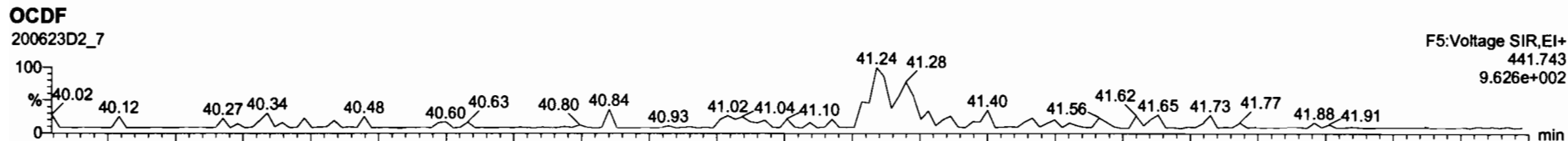
DPE4



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

Last Altered: Wednesday, June 24, 2020 10:41:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

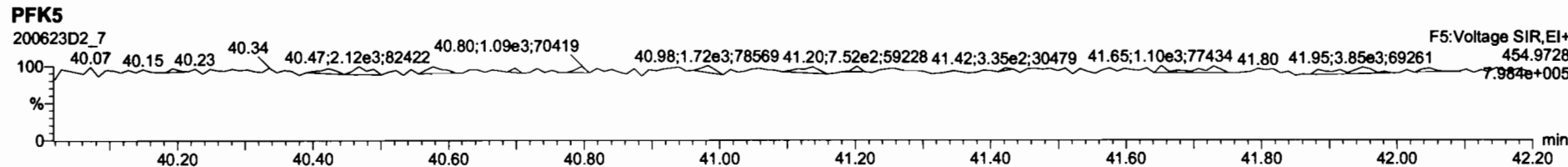
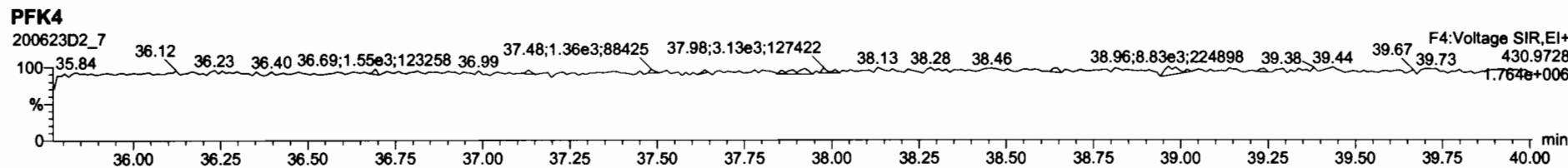
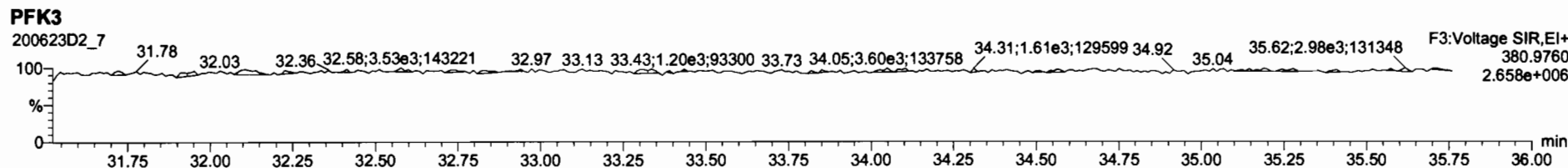
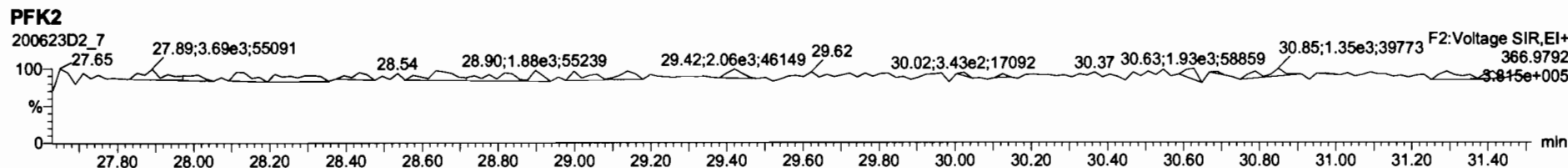
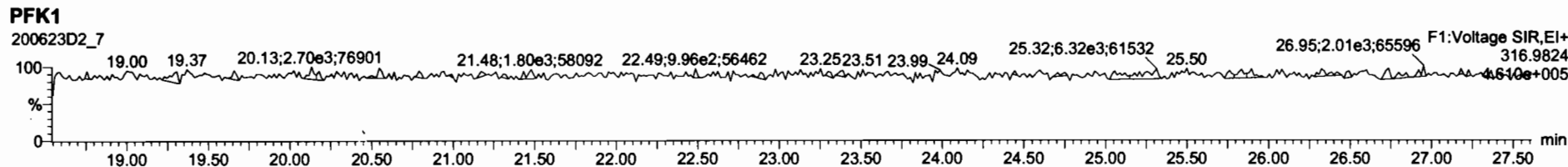
Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_7.qld

Last Altered: Wednesday, June 24, 2020 10:41:58 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:17:14 Pacific Daylight Time

Name: 200623D2_7, Date: 24-Jun-2020, Time: 01:56:22, ID: 2000996-02RE1 PDI-054SC-A-10-11.1-200428 16.8, Description: PDI-054SC-A-10-11.1-200428



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_6.qld

Last Altered: Wednesday, July 08, 2020 13:32:20 Pacific Daylight Time
Printed: Wednesday, July 08, 2020 13:32:47 Pacific Daylight Time

DB 7/8/20 *Cr 07/08/20*

Method: Untitled 27 Apr 2020 14:17:24

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

Name: 200623D2_6, Date: 24-Jun-2020, Time: 01:11:12, ID: B0F0086-DUP1 Duplicate 16.73, Description: Duplicate

Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	Area	Yield
1 2,3,7,8-TCDD			NO	0.986	16.730	26.081		1.001				0.606
2 1,2,3,7,8-PeCDD			NO	0.964	16.730	30.629		1.001				0.717
3 1,2,3,4,7,8-HxCDD			NO	1.16	16.730	33.927		1.000				0.937
4 1,2,3,6,7,8-HxCDD			NO	1.01	16.730	34.027		1.000				0.979
5 1,2,3,7,8,9-HxCDD			NO	1.01	16.730	34.346		1.001				1.07
6 1,2,3,4,6,7,8-HpCDD	1.78e2	0.85	YES	0.997	16.730	37.801	37.79	1.000	1.000	1.8840		1.63
7 OCDD	7.58e2	1.07	YES	1.01	16.730	41.038	41.07	1.000	1.001	9.9215		1.79
8 2,3,7,8-TCDF			NO	0.833	16.730	25.280		1.001				0.700
9 1,2,3,7,8-PeCDF			NO	0.965	16.730	29.442		1.001				0.322
10 2,3,4,7,8-PeCDF			NO	1.01	16.730	30.356		1.001				0.282
11 1,2,3,4,7,8-HxCDF			NO	1.09	16.730	33.028		1.000				0.238
12 1,2,3,6,7,8-HxCDF			NO	1.07	16.730	33.170		1.000				0.249
13 2,3,4,6,7,8-HxCDF			NO	1.15	16.730	33.775		1.001				0.274
14 1,2,3,7,8,9-HxCDF			NO	1.11	16.730	34.685		1.000				0.387
15 1,2,3,4,6,7,8-HpCDF			NO	1.16	16.730	36.554		1.001				0.464
16 1,2,3,4,7,8,9-HpCDF			NO	1.35	16.730	38.328		1.000				0.482
17 OCDF			NO	0.949	16.730	41.258		1.000				0.972
18 13C-2,3,7,8-TCDD	3.51e4	0.79	NO	1.26	16.730	26.148	26.05	1.026	1.022	103.64	51.9	2.48
19 13C-1,2,3,7,8-PeCDD	3.01e4	0.66	NO	0.921	16.730	30.633	30.61	1.202	1.201	121.47	60.8	0.757
20 13C-1,2,3,4,7,8-HxCDD	2.26e4	1.37	NO	0.707	16.730	33.902	33.92	1.014	1.014	110.35	55.3	1.32
21 13C-1,2,3,6,7,8-HxCDD	2.83e4	1.22	NO	0.829	16.730	34.012	34.03	1.017	1.018	117.91	59.1	1.13
22 13C-1,2,3,7,8,9-HxCDD	2.64e4	1.35	NO	0.808	16.730	34.283	34.31	1.025	1.026	112.90	56.6	1.16
23 13C-1,2,3,4,6,7,8-HpCDD	1.91e4	1.02	NO	0.662	16.730	37.747	37.79	1.129	1.130	99.789	50.0	1.41
24 13C-OCDD	3.01e4	0.82	NO	0.608	16.730	40.769	41.04	1.219	1.227	170.90	42.8	2.14
25 13C-2,3,7,8-TCDF	4.61e4	0.73	NO	1.07	16.730	25.230	25.25	0.990	0.991	90.916	45.5	1.63
26 13C-1,2,3,7,8-PeCDF	4.40e4	1.68	NO	0.826	16.730	29.453	29.42	1.156	1.154	112.40	56.3	0.971
27 13C-2,3,4,7,8-PeCDF	4.48e4	1.60	NO	0.796	16.730	30.353	30.33	1.191	1.190	118.55	59.4	1.01
28 13C-1,2,3,4,7,8-HxCDF	3.29e4	0.51	NO	1.08	16.730	33.033	33.03	0.988	0.988	105.76	53.0	1.19
29 13C-1,2,3,6,7,8-HxCDF	3.67e4	0.48	NO	1.12	16.730	33.167	33.16	0.992	0.992	112.69	56.5	1.13
30 13C-2,3,4,6,7,8-HpCDF	3.28e4	0.47	NO	1.02	16.730	33.738	33.74	1.009	1.009	110.50	55.4	1.25
31 13C-1,2,3,7,8,9-HxCDF	2.64e4	0.50	NO	0.887	16.730	34.638	34.69	1.036	1.037	102.82	51.5	1.44

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_6.qld

Last Altered: Wednesday, July 08, 2020 13:32:20 Pacific Daylight Time
Printed: Wednesday, July 08, 2020 13:32:47 Pacific Daylight Time

Name: 200623D2_6, Date: 24-Jun-2020, Time: 01:11:12, ID: B0F0086-DUP1 Duplicate 16.73, Description: Duplicate

10-019 DB 7/8/20

Name	Resp	RA	n/y	RRF	wt/vol	Prod	RT	Area	Area	Area	Area	Area	Area
32 13C-1,2,3,4,6,7,8-HpCDF	2.46e4	0.43	NO	0.811	16.730	36.343	36.52	1.087	1.092	104.87	52.5	1.39	
33 13C-1,2,3,4,7,8,9-HpCDF	1.73e4	0.47	NO	0.598	16.730	38.349	38.33	1.147	1.146	100.14	50.2	1.88	
34 13C-OCDF	3.68e4	0.83	NO	0.752	16.730	40.923	41.26	1.224	1.234	168.96	42.3	1.36	
35 37Cl-2,3,7,8-TCDD	1.38e4			1.24	16.730	26.145	26.07	1.026	1.023	41.335	51.8	0.264	
36 13C-1,2,3,4-TCDD	5.36e4	0.77	NO	1.00	16.730	25.480	25.49	1.000	1.000	199.62	100	3.12	
37 13C-1,2,3,4-TCDF	9.47e4	0.81	NO	1.00	16.730	24.020	24.02	1.000	1.000	199.62	100	1.74	
38 13C-1,2,3,4,6,9-HxCDF	5.78e4	0.49	NO	1.00	16.730	33.530	33.43	1.000	1.000	199.62	100	1.28	
39 Total Tetra-Dioxins				0.986	16.730	24.620		0.000				0.402	
40 Total Penta-Dioxins				0.964	16.730	29.960		0.000				0.355	
41 Total Hexa-Dioxins				1.01	16.730	33.635		0.000		1.2962		0.387	1.30
42 Total Hepta-Dioxins				0.997	16.730	37.640		0.000		0.00000		1.63	3.93
43 Total Tetra-Furans				0.833	16.730	23.610		0.000		0.80605		0.304	1.61
44 1st Func. Penta-Furans				0.965	16.730	27.090		0.000				0.0507	
45 Total Penta-Furans				0.965	16.730	29.275		0.000				0.143	
46 Total Hexa-Furans				1.15	16.730	33.555		0.000				0.151	
47 Total Hepta-Furans				1.16	16.730	37.835		0.000				0.302	

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_6.qld

Last Altered: Wednesday, July 08, 2020 13:32:20 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 13:32:47 Pacific Daylight Time

Method: Untitled 27 Apr 2020 14:17:24

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

Name: 200623D2_6, Date: 24-Jun-2020, Time: 01:11:12, ID: B0F0086-DUP1 Duplicate 16.73, Description: Duplicate

Tetra-Dioxins

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

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

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	32.40	1.726e3	1.887e3	9.172e1	7.685e1	1.19	NO	1.686e2	1.2962	1.2962	0.387

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	36.92	2.019e3	1.699e3	1.362e2	1.054e2	1.29	YES	0.000e0	0.00000	2.2526	2.35
1,2,3,4,6,7,8-HpCDD	37.79	1.092e3	1.620e3	8.154e1	9.639e1	0.85	YES	1.779e2	0.00000	1.6755	1.63

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Tetra-Furans	21.66	1.153e3	1.235e3	6.160e1	9.338e1	0.66	NO	1.550e2	0.80605	0.80605	0.304
Total Tetra-Furans	25.47	1.681e3	1.794e3	8.977e1	8.729e1	1.03	YES	0.000e0	0.00000	0.80362	0.304

Penta-Furans function 1

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

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_6.qld

Last Altered: Wednesday, July 08, 2020 13:32:20 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 13:32:47 Pacific Daylight Time

Name: 200623D2_6, Date: 24-Jun-2020, Time: 01:11:12, ID: B0F0086-DUP1 Duplicate 16.73, Description: Duplicate

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Cond	EMPC	OL
------	----	-----------	-----------	---------	---------	----	-----	------	------	------	----

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Cond	EMPC	OL
------	----	-----------	-----------	---------	---------	----	-----	------	------	------	----

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Cond	EMPC	OL
------	----	-----------	-----------	---------	---------	----	-----	------	------	------	----

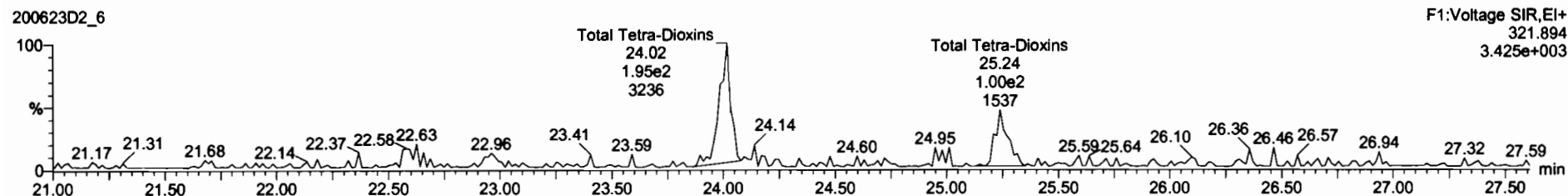
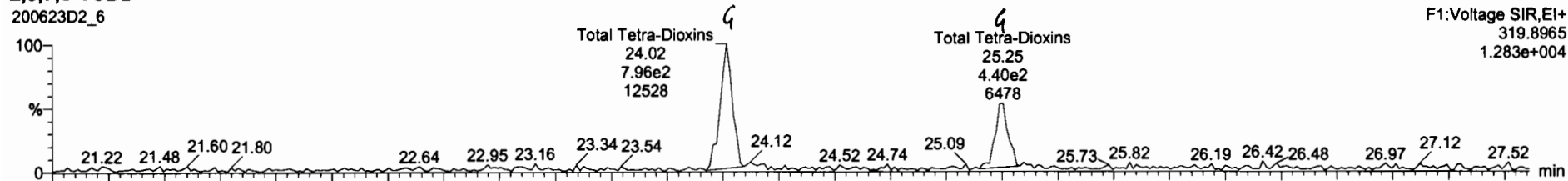
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Printed: Wednesday, June 24, 2020 12:05:08 Pacific Daylight Time

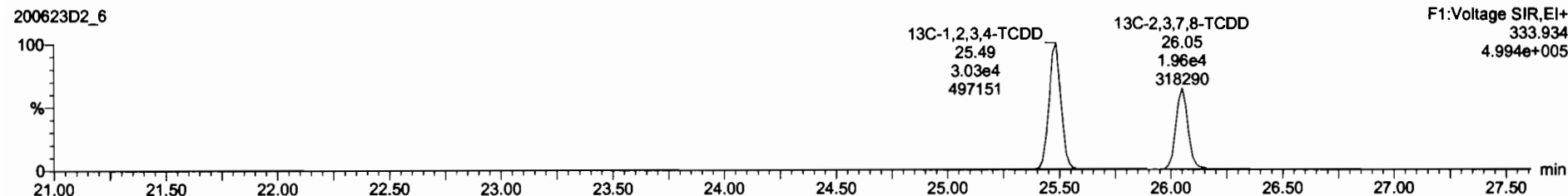
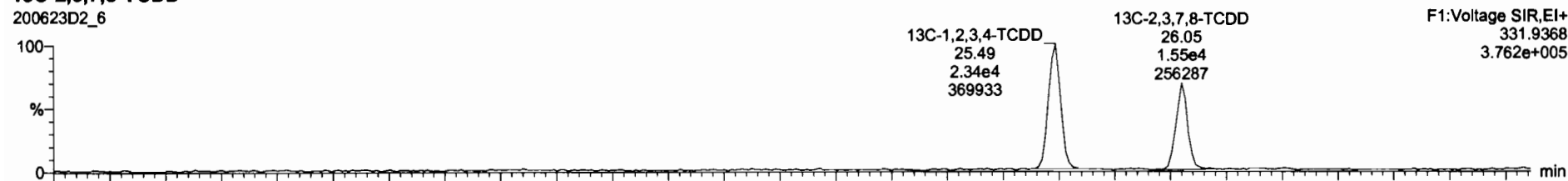
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Name: 200623D2_6, Date: 24-Jun-2020, Time: 01:11:12, ID: B0F0086-DUP1 Duplicate 16.73, Description: Duplicate

2,3,7,8-TCDD



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



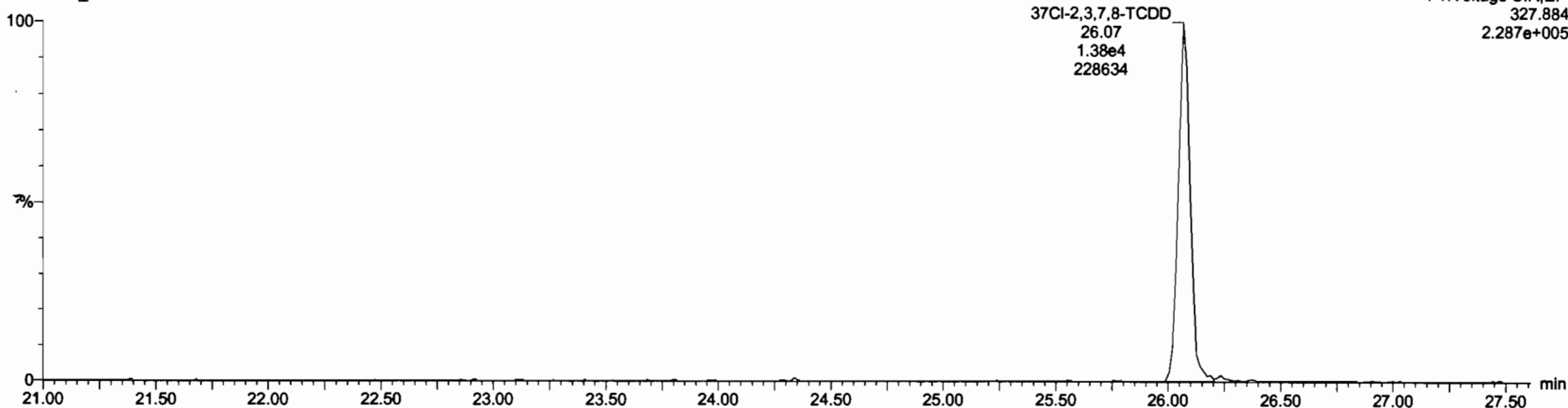
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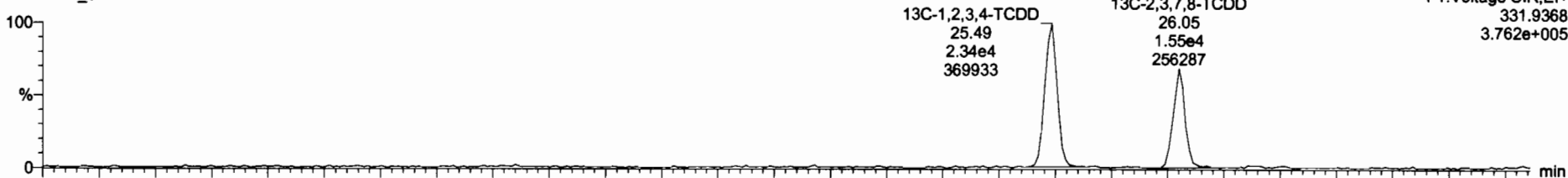
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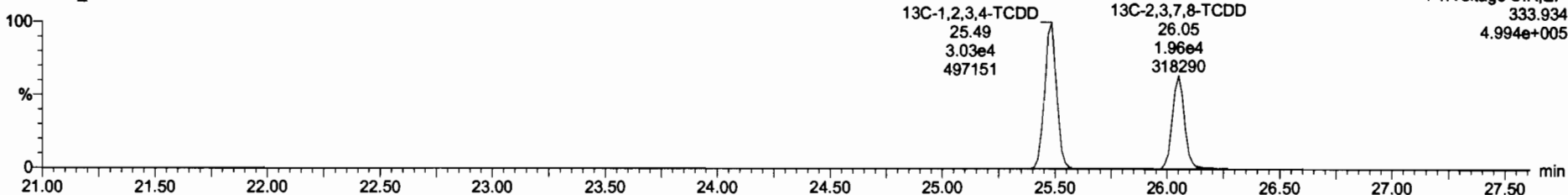


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200623D2_6



200623D2_6



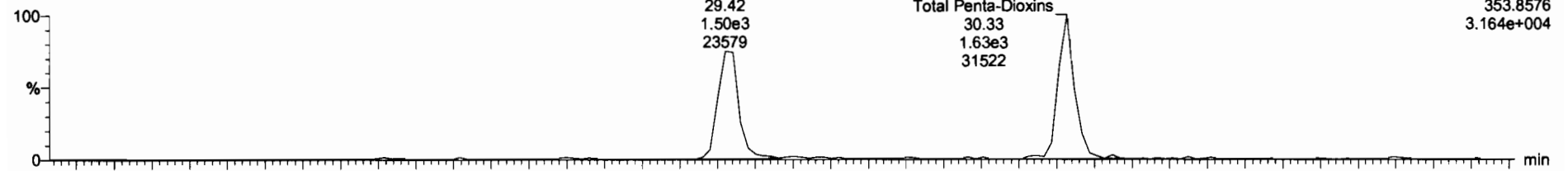
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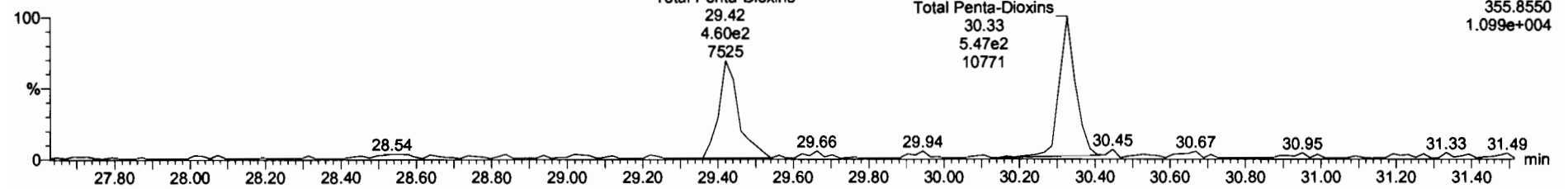
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1,2,3,7,8-PeCDD

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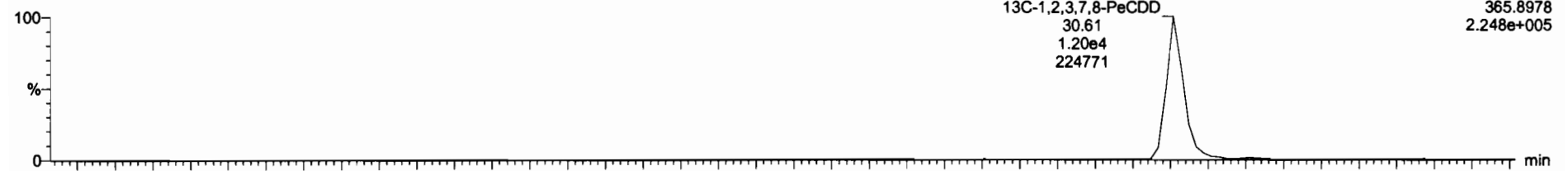


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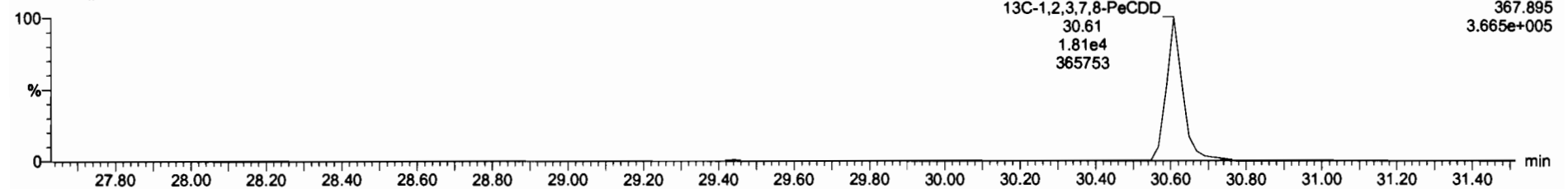


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200623D2_6



200623D2_6



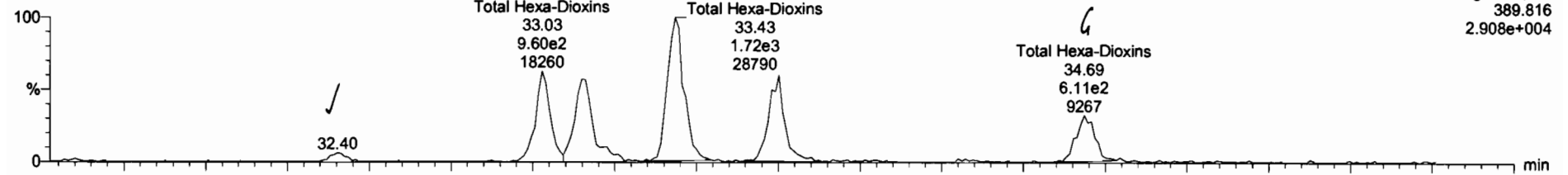
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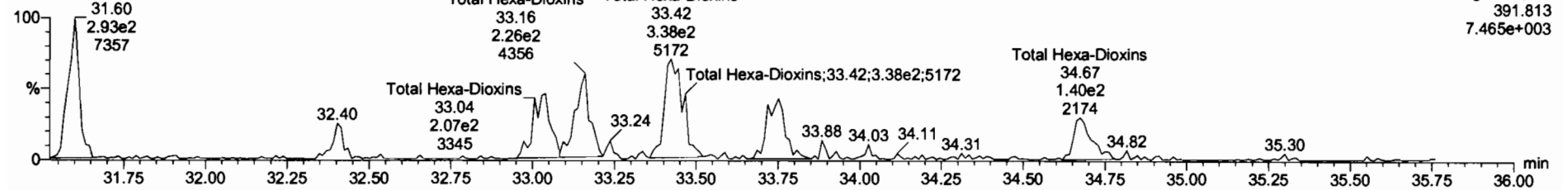
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1,2,3,4,7,8-HxCDD

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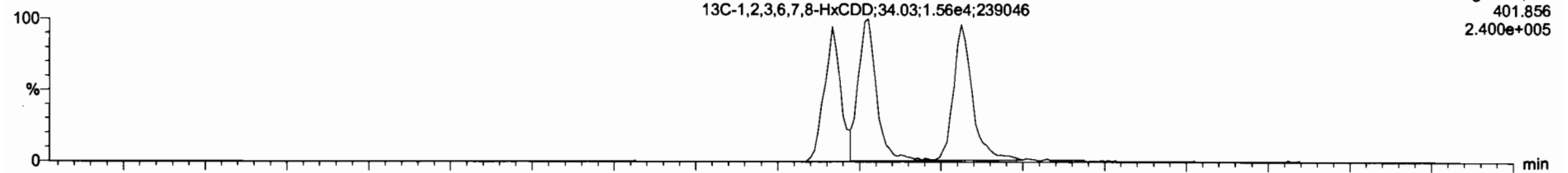


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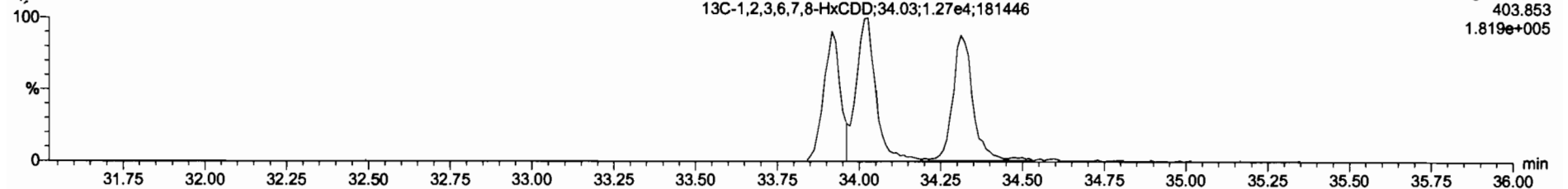


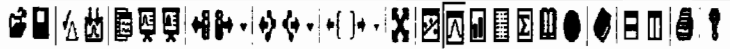
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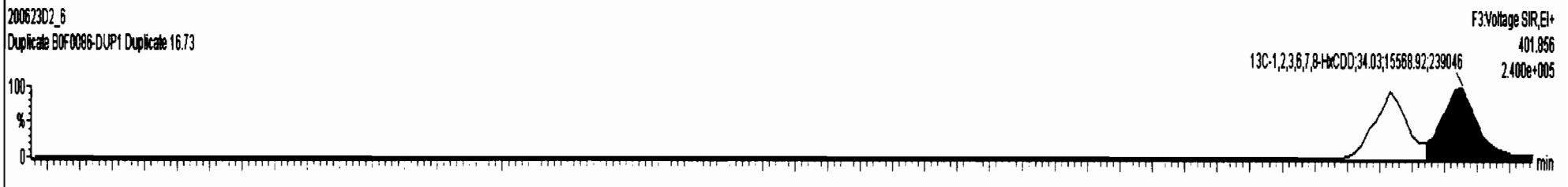
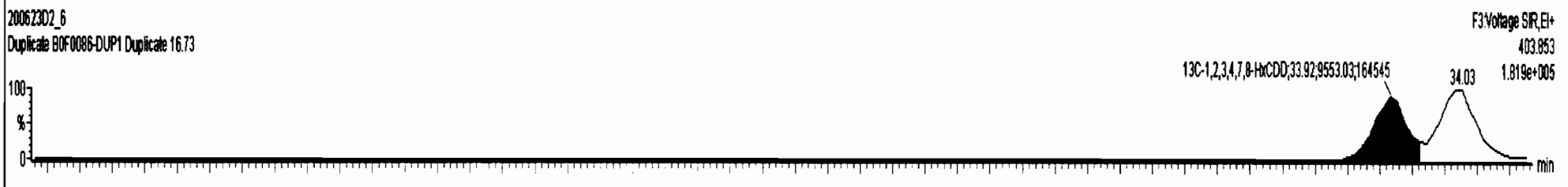
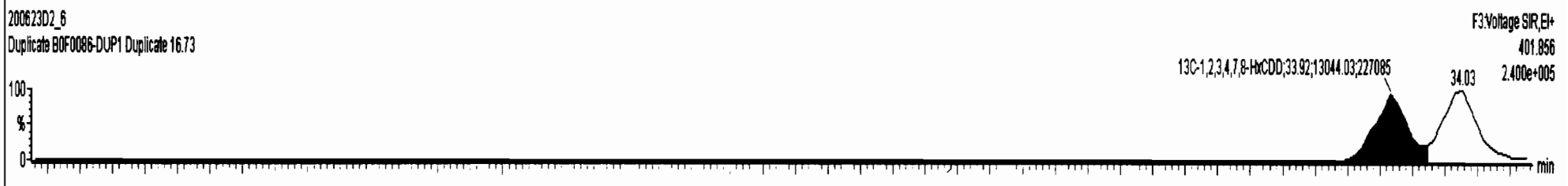
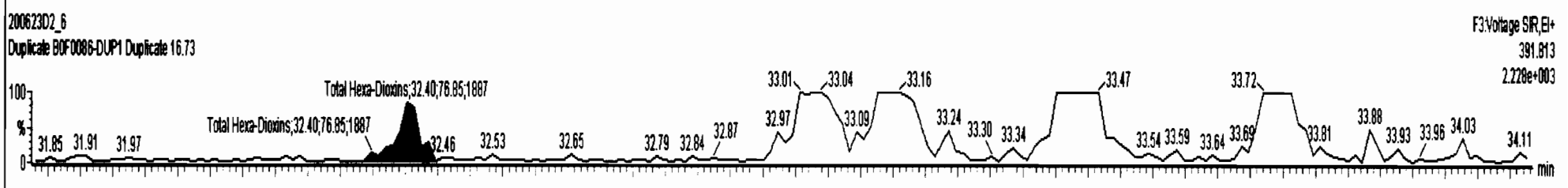
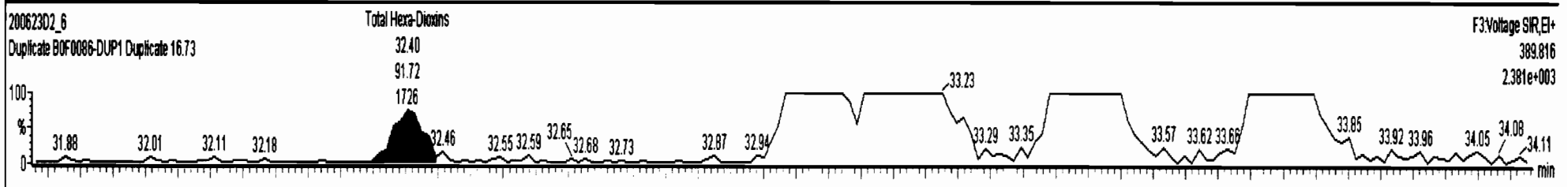


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20062302_6 - F3:Votage SIR,El+ - 1673.0108

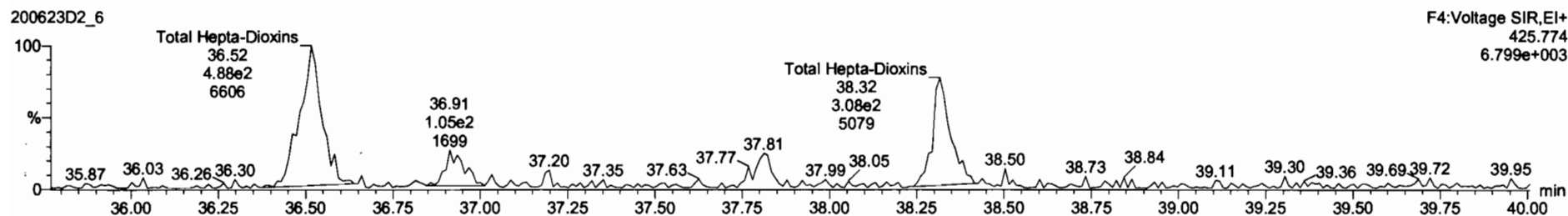
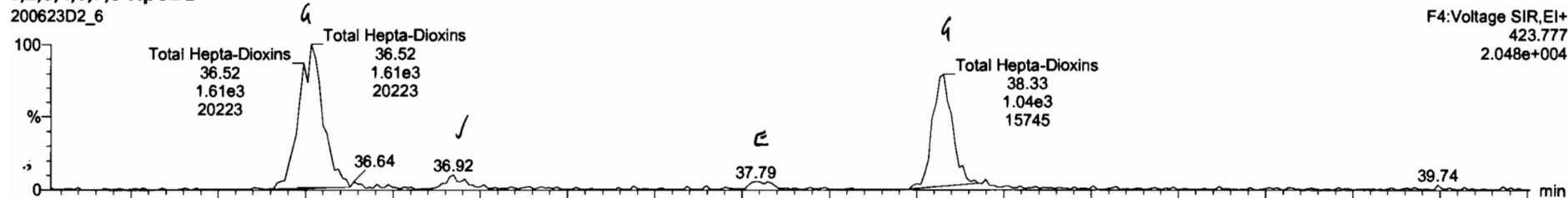


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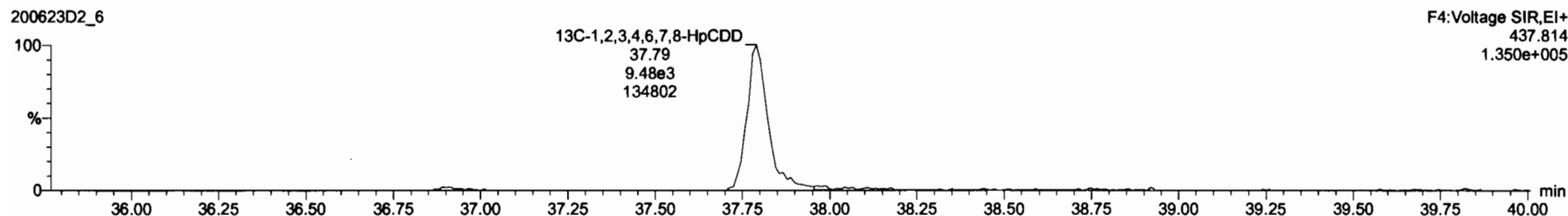
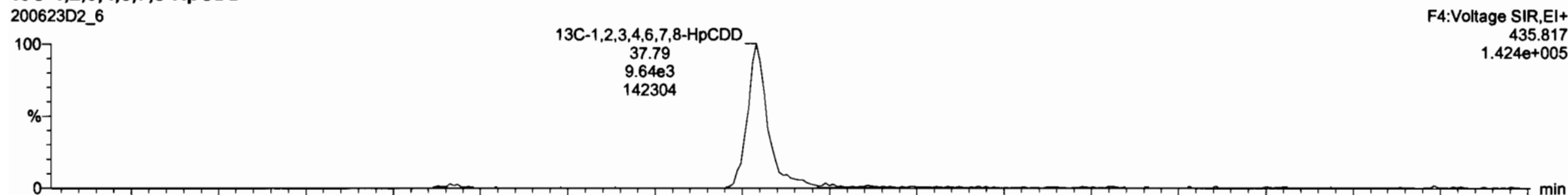
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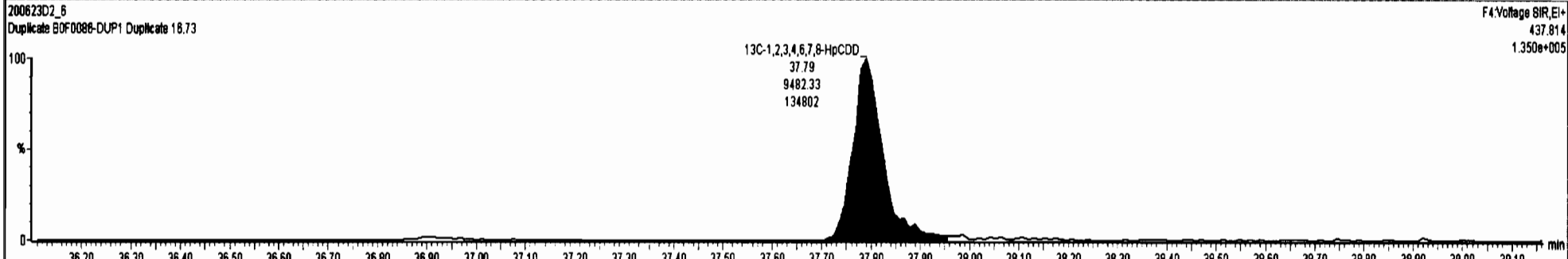
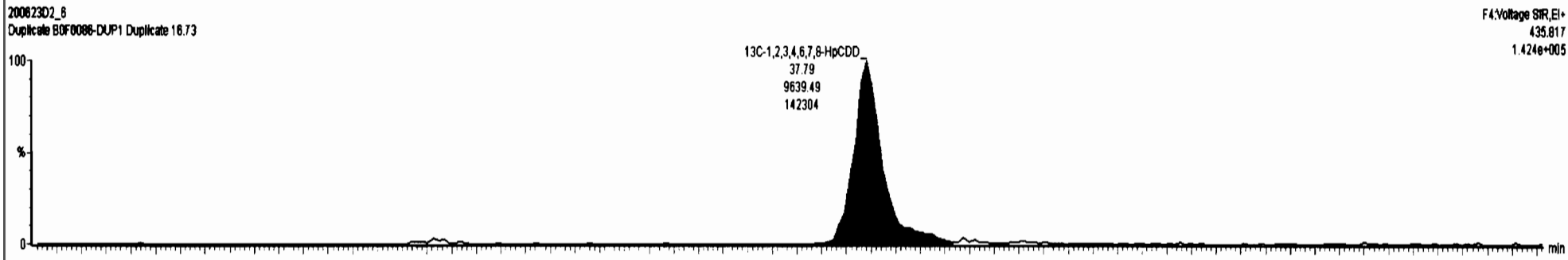
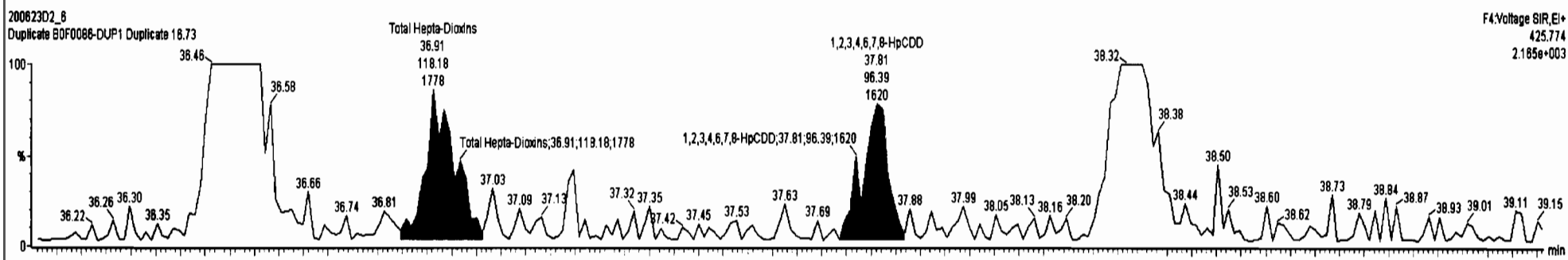
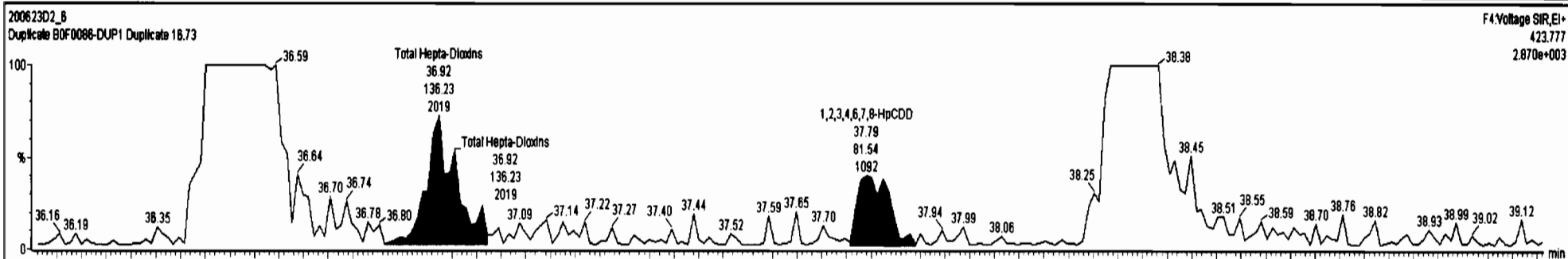
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1,2,3,4,6,7,8-HpCDD



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

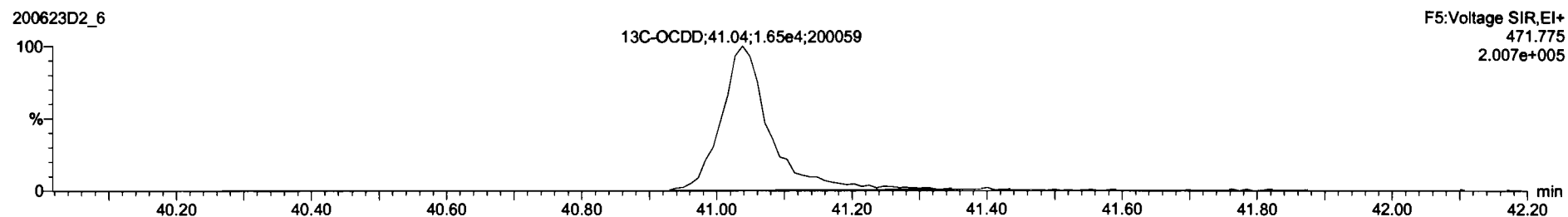
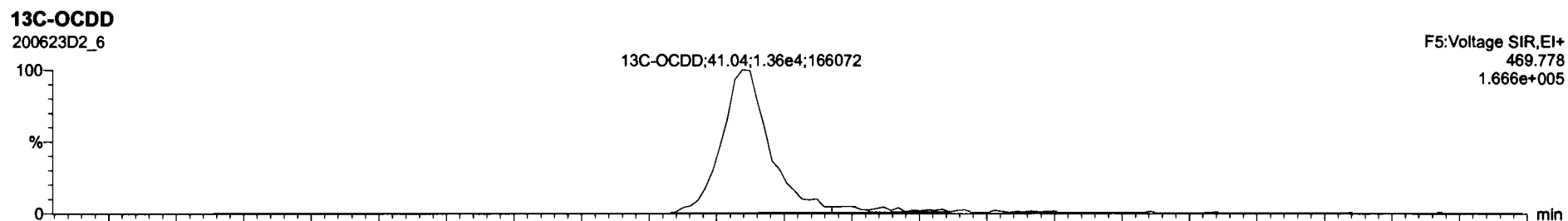
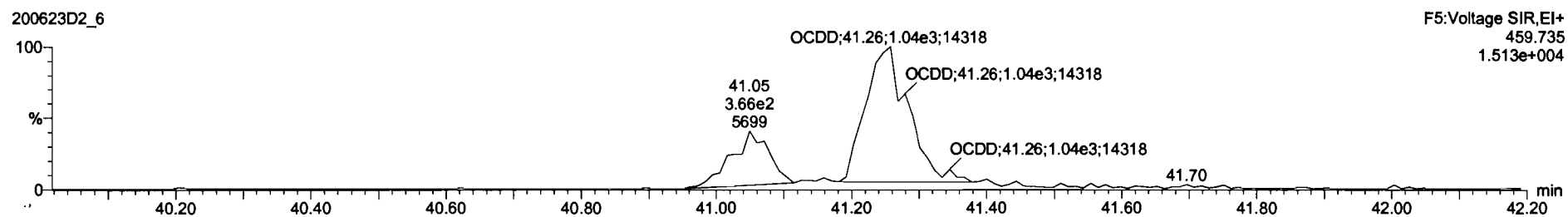
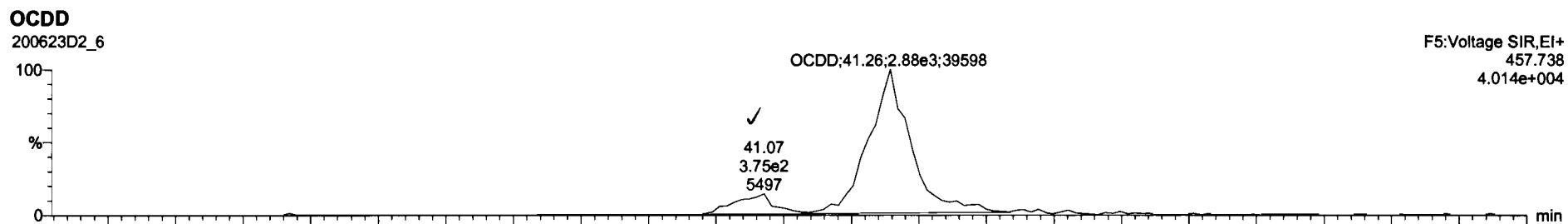


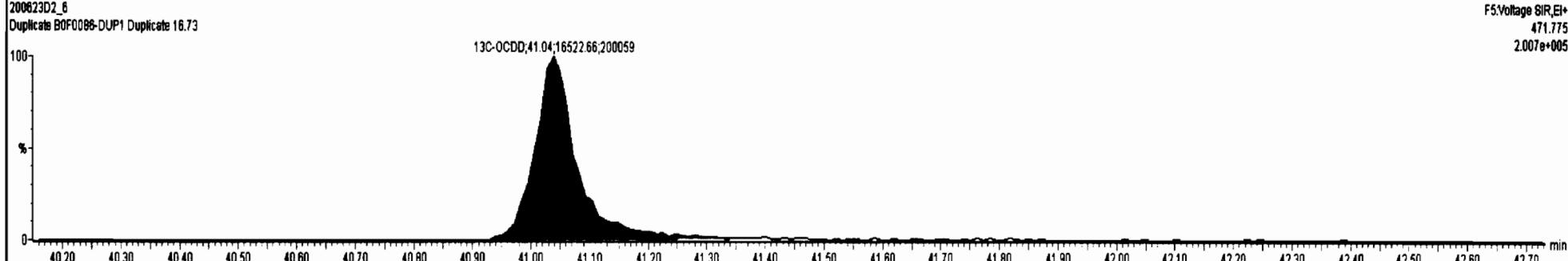
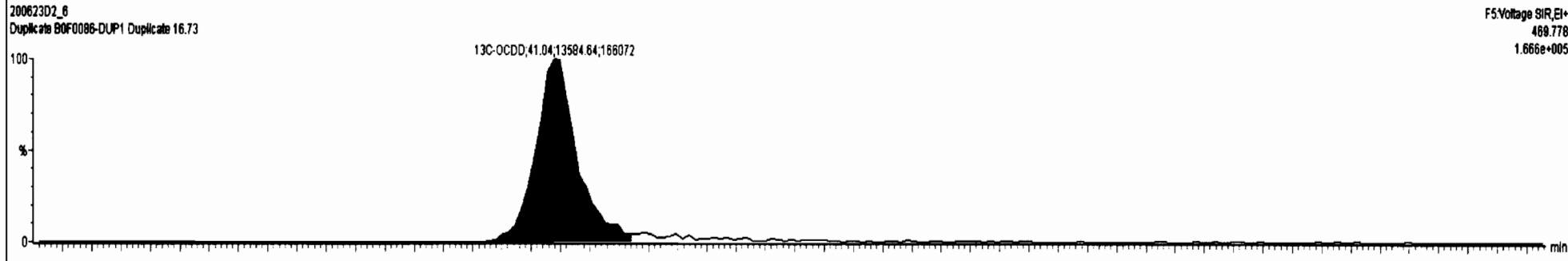
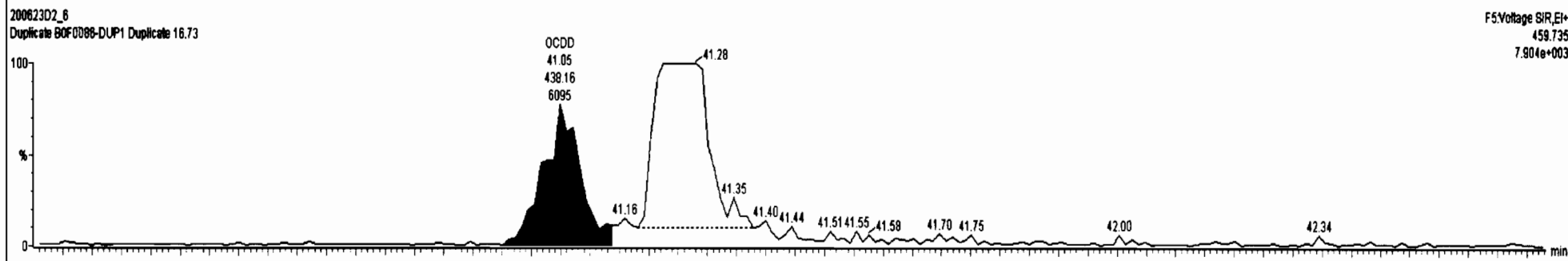
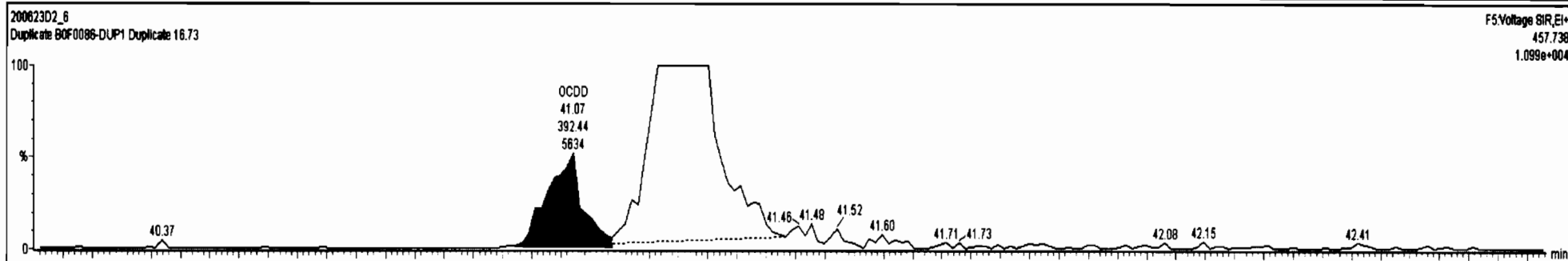


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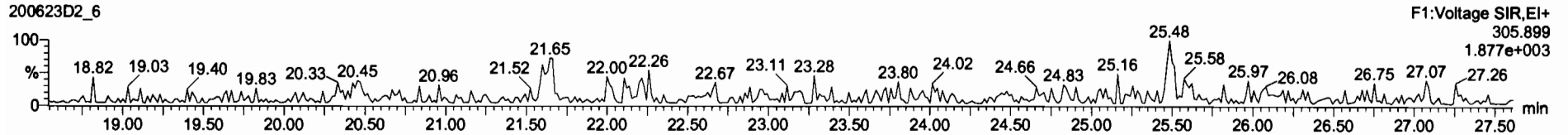
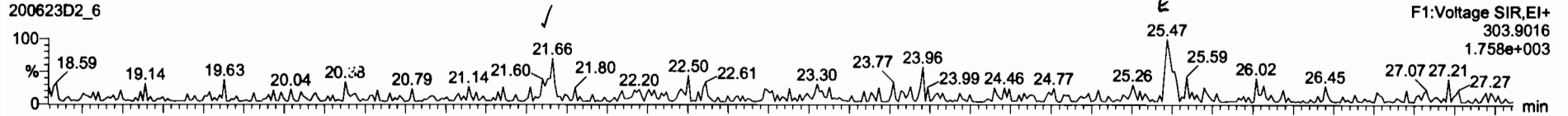


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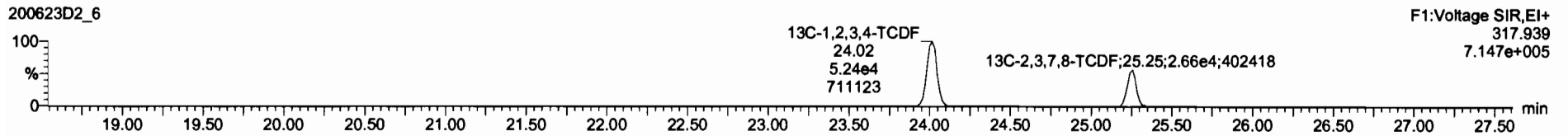
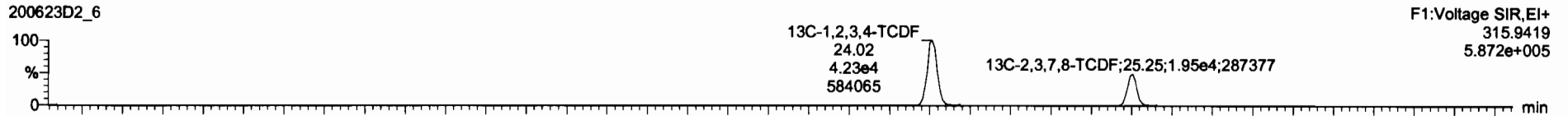
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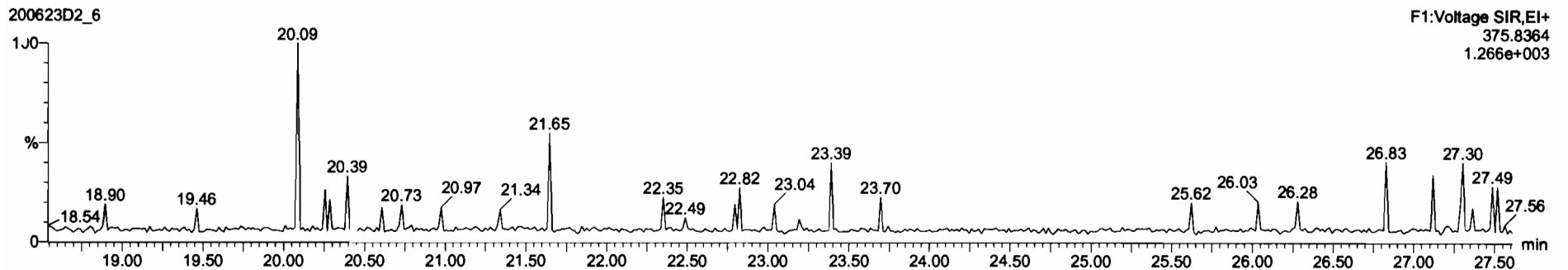
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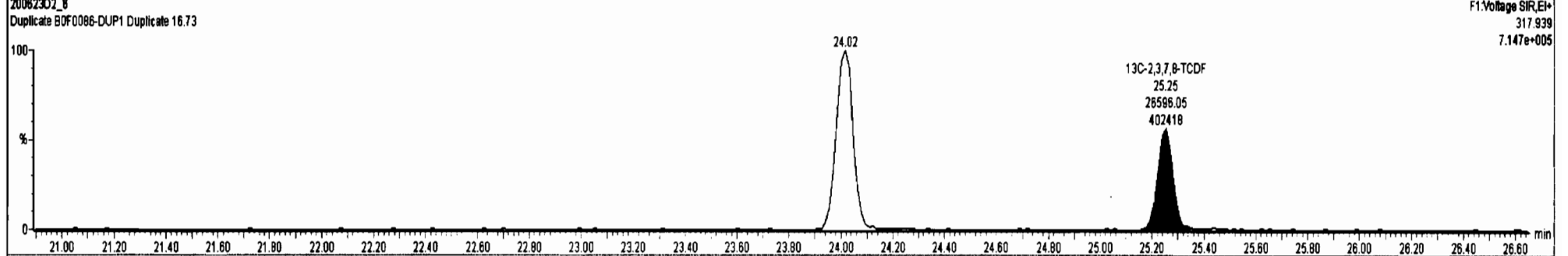
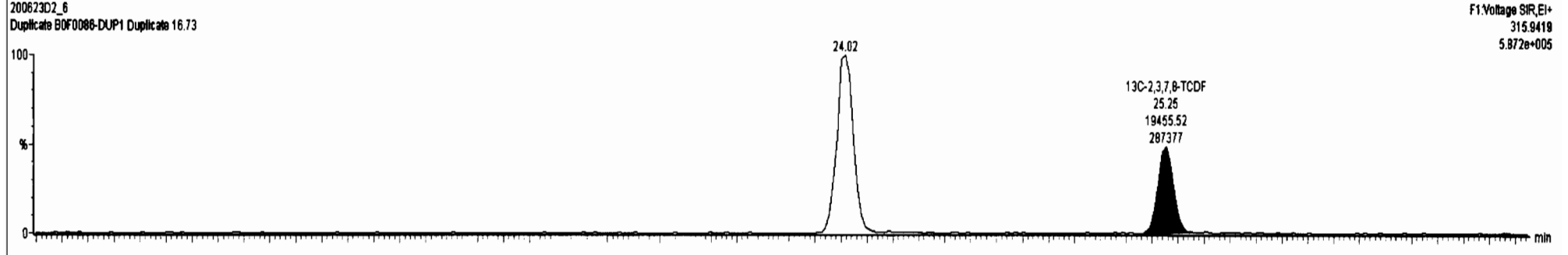
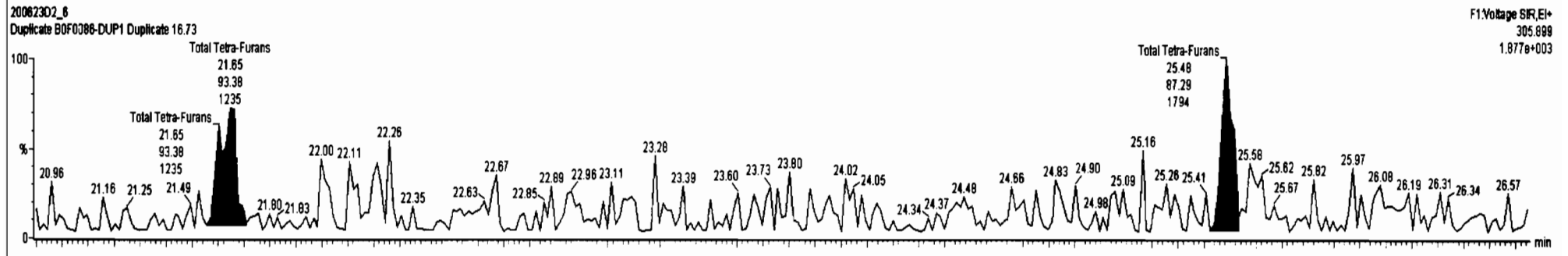
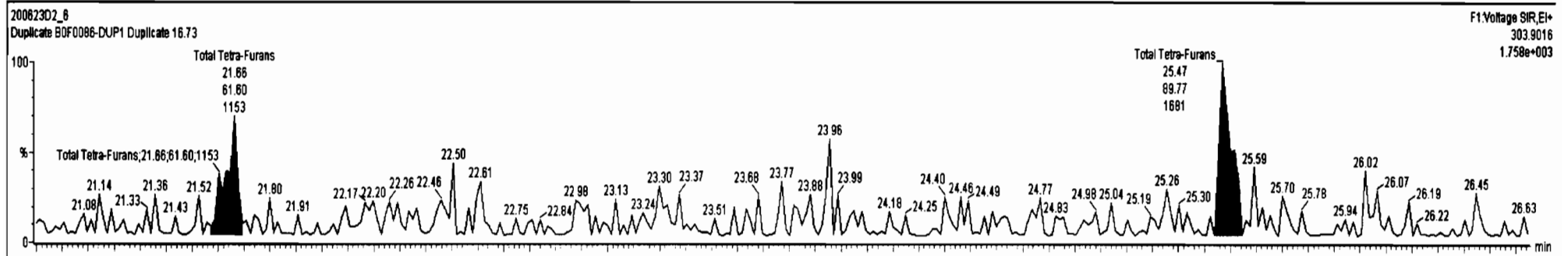


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DPE1





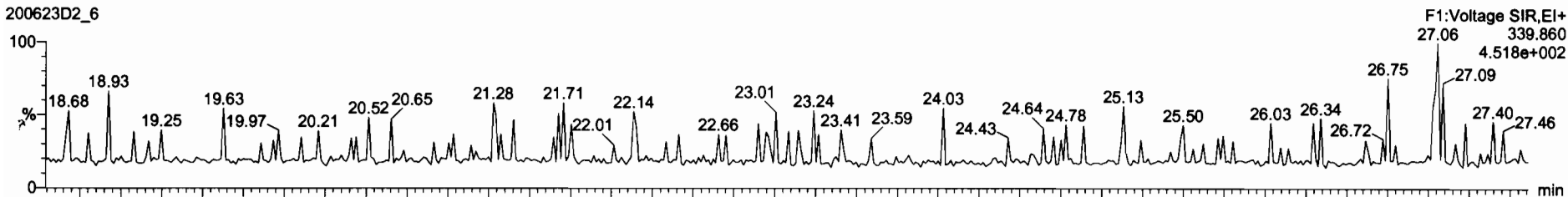
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Printed: Wednesday, June 24, 2020 12:05:08 Pacific Daylight Time

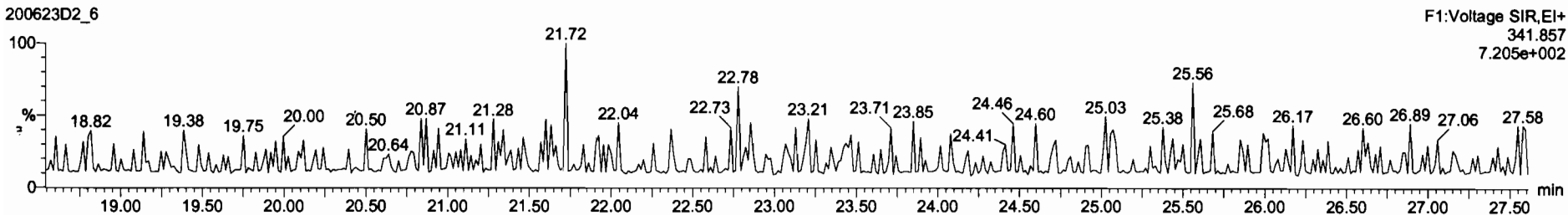
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1st Func. Penta-Furans

200623D2_6

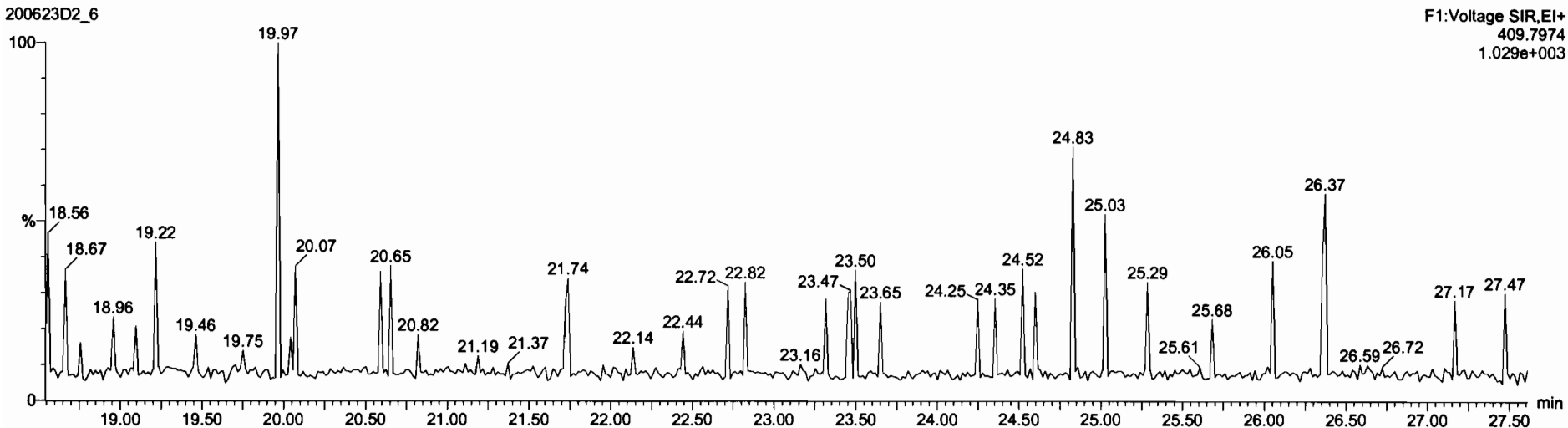


200623D2_6



DPE6

200623D2_6



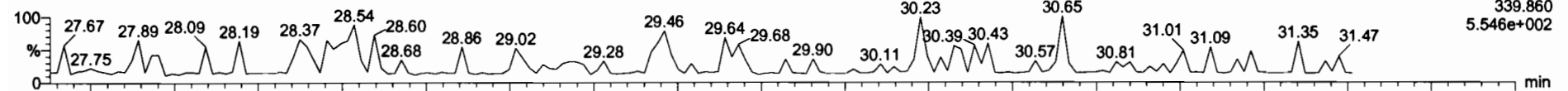
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Last Altered: Wednesday, June 24, 2020 10:41:00 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:05:08 Pacific Daylight Time

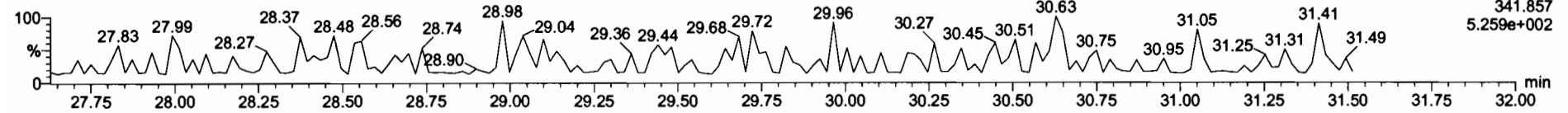
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1,2,3,7,8-PeCDF

200623D2_6

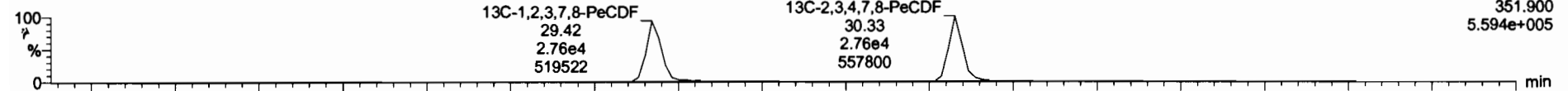


200623D2_6

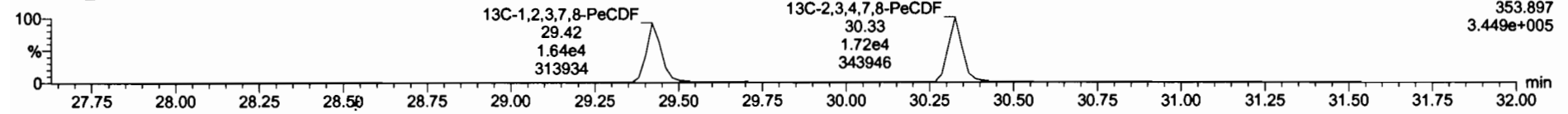


13C-1,2,3,7,8-PeCDF

200623D2_6

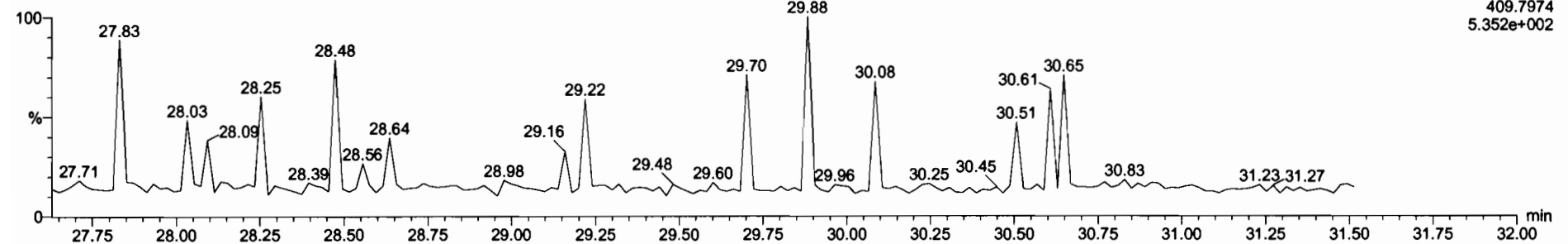


200623D2_6



DPE2

200623D2_6

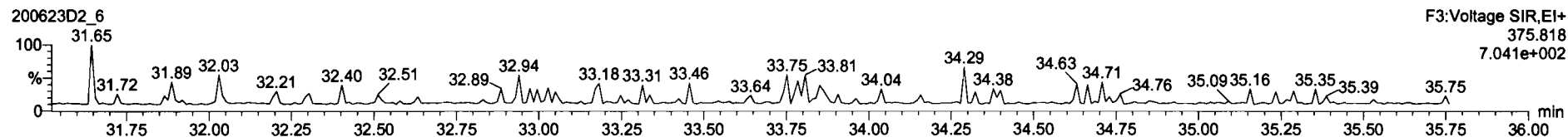
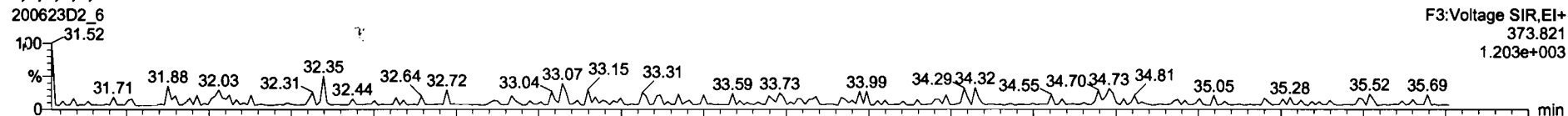


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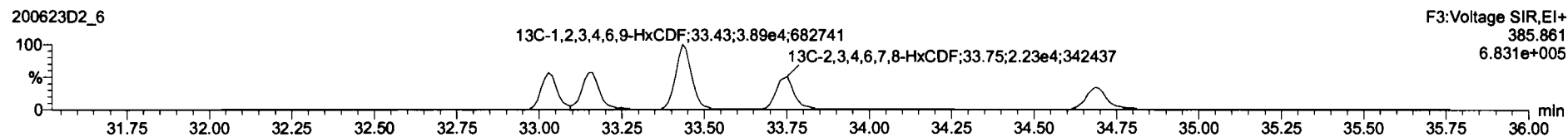
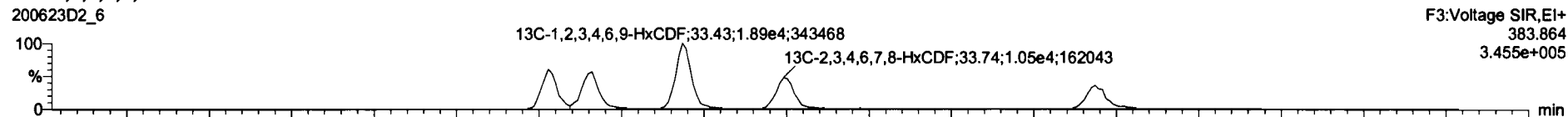
Last Altered: Wednesday, June 24, 2020 10:41:00 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:05:08 Pacific Daylight Time

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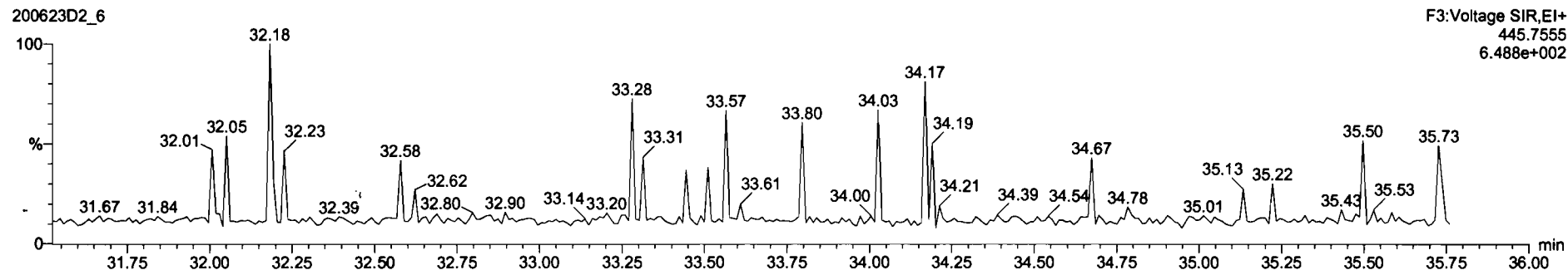
1,2,3,4,7,8-HxCDF



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



DPE3



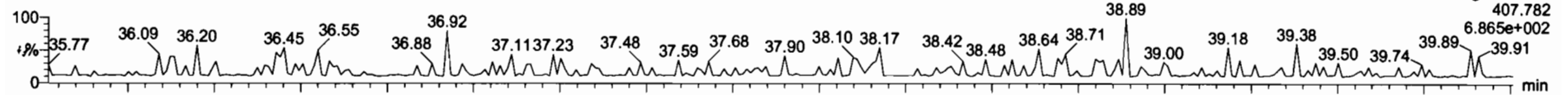
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Last Altered: Wednesday, June 24, 2020 10:41:00 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:05:08 Pacific Daylight Time

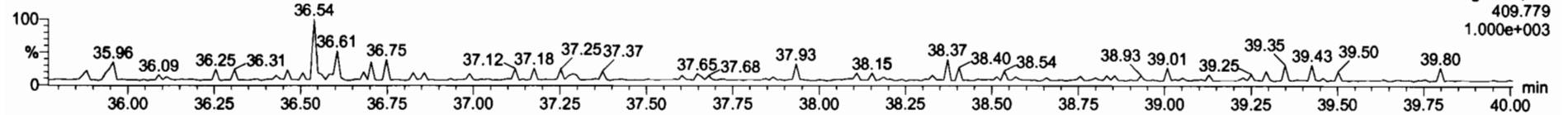
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1,2,3,4,6,7,8-HpCDF

200623D2_6

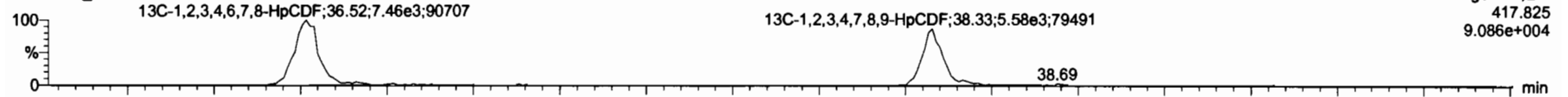


200623D2_6

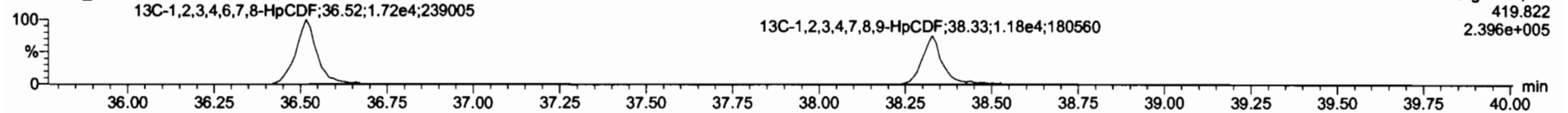


¹³C-1,2,3,4,6,7,8-HpCDF

200623D2_6

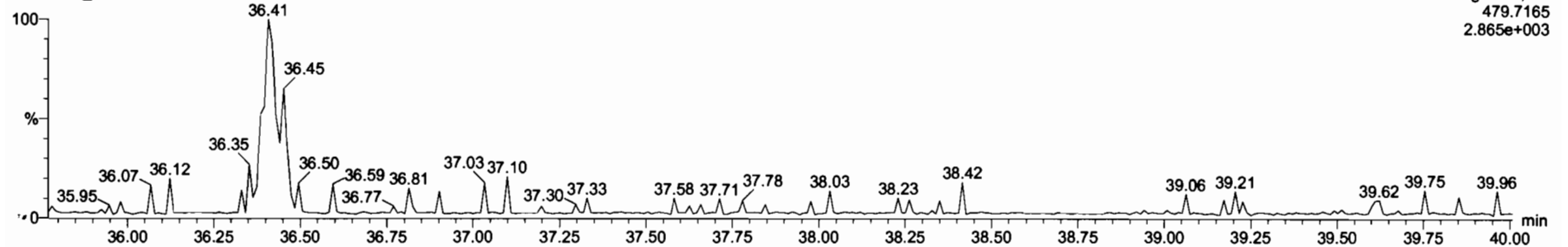


200623D2_6



DPE4

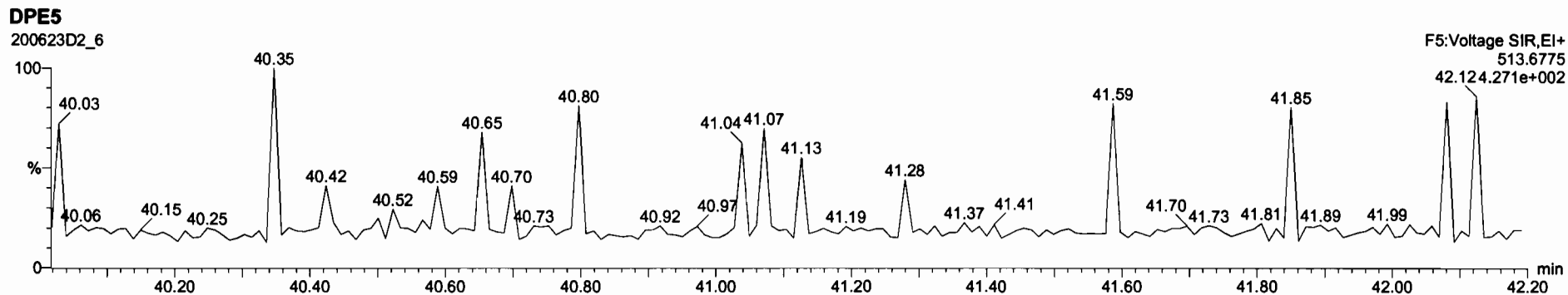
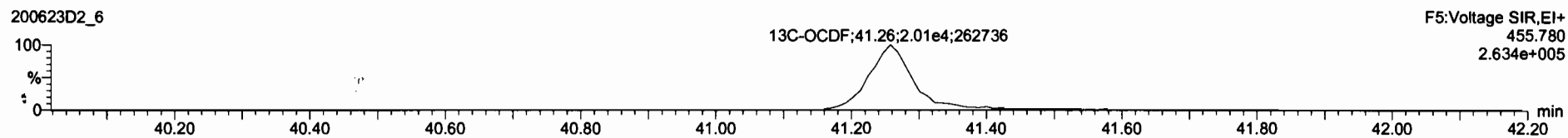
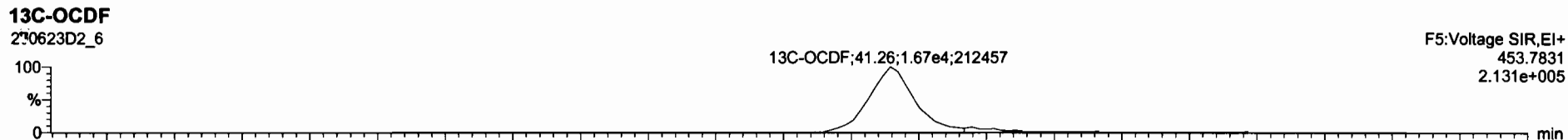
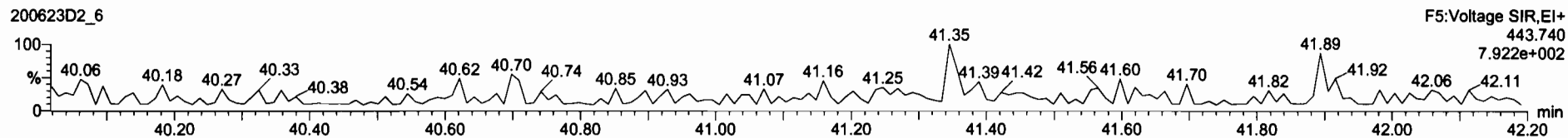
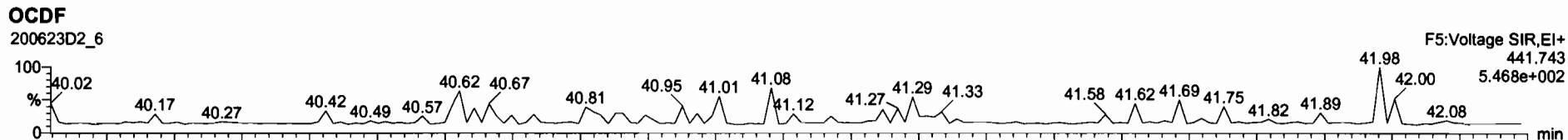
200623D2_6



Dataset: U:\VG7.PRO\Results\200623D2\200623D2_6.qld

Last Altered: Wednesday, June 24, 2020 10:41:00 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:05:08 Pacific Daylight Time

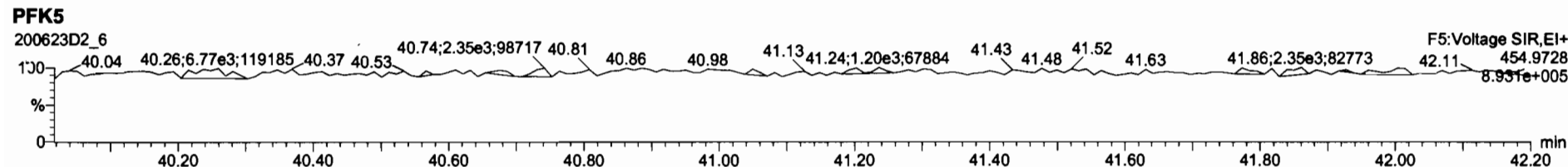
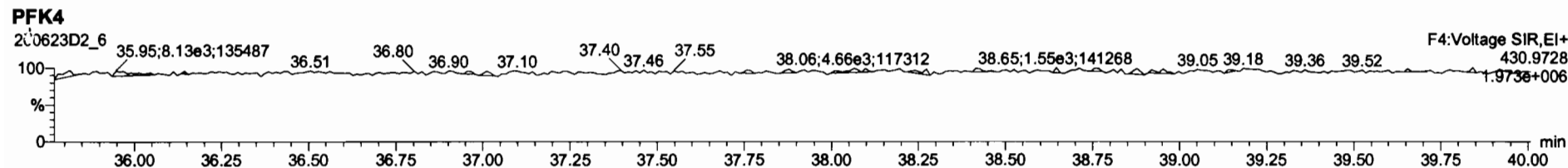
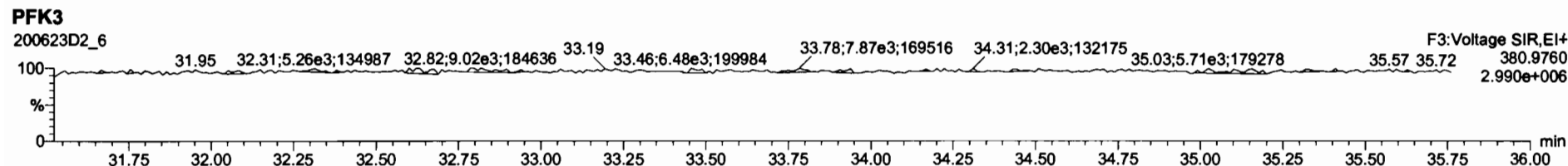
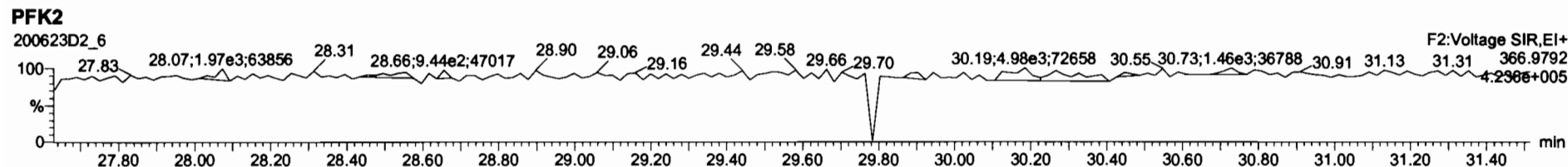
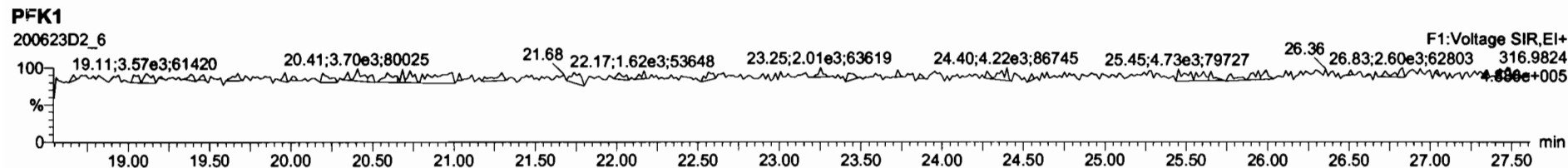
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Dataset: U:\VG7.PRO\Results\200623D2\200623D2_6.qld

Last Altered: Wednesday, June 24, 2020 10:41:00 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 12:05:08 Pacific Daylight Time

Name: 200623D2_6, Date: 24-Jun-2020, Time: 01:11:12, ID: B0F0086-DUP1 Duplicate 16.73, Description: Duplicate



Dataset: U:\VG7.PRO\Results\200616D1\200616D1_11.qld

Last Altered: Wednesday, July 08, 2020 14:09:20 Pacific Daylight Time
Printed: Wednesday, July 08, 2020 14:09:36 Pacific Daylight Time

DB 7/8/20 C7 07/08/2020

Method: Untitled 27 Apr 2020 14:17:24

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

Name: 200616D1_11, Date: 16-Jun-2020, Time: 20:23:49, ID: 2000996-03RE2 PDI-1054SC-A-09-10-200428 1.86, Description: PDI-1054SC-A-09-10-200428

1-0043 DB 7/8/20

Peak No	Comp	Resp	RA	n/y	RRF	w/vol	Pred. RT	RT	Pred. RRT	RRT	Conc	Area	
1	2,3,7,8-TCDD			NO	0.986	1.038	26.127		1.001			1.13	
2	1,2,3,7,8-PeCDD			NO	0.964	1.038	30.670		1.001			1.80	
3	1,2,3,4,7,8-HxCDD			NO	1.16	1.038	33.982		1.000			1.65	
4	1,2,3,6,7,8-HxCDD			NO	1.01	1.038	34.082		1.000			1.70	
5	1,2,3,7,8,9-HxCDD			NO	1.01	1.038	34.412		1.001			1.83	
6	1,2,3,4,6,7,8-HpCDD			NO	0.997	1.038	37.889		1.000			2.42	
7	OCDD	4.82e2	0.88	NO	1.01	1.038	41.192	41.20	1.000	1.000	17.934	3.72	17.9
8	2,3,7,8-TCDF			NO	0.833	1.038	25.326		1.001			1.15	
9	1,2,3,7,8-PeCDF			NO	0.965	1.038	29.482		1.001			0.680	
10	2,3,4,7,8-PeCDF			NO	1.01	1.038	30.397		1.001			0.618	
11	1,2,3,4,7,8-HxCDF			NO	1.09	1.038	33.083		1.000			0.733	
12	1,2,3,6,7,8-HxCDF			NO	1.07	1.038	33.214		1.000			0.748	
13	2,3,4,6,7,8-HxCDF			NO	1.15	1.038	33.830		1.001			0.837	
14	1,2,3,7,8,9-HxCDF			NO	1.11	1.038	34.751		1.000			1.03	
15	1,2,3,4,6,7,8-HpCDF			NO	1.16	1.038	36.631		1.001			1.24	
16	1,2,3,4,7,8,9-HpCDF			NO	1.35	1.038	38.416		1.000			1.23	
17	OCDF			NO	0.949	1.038	41.400		1.000			2.47	
18	13C-2,3,7,8-TCDD	1.43e5	0.77	NO	1.26	1.038	26.195	26.10	1.026	1.022	1847.6	92.8	8.77
19	13C-1,2,3,7,8-PeCDD	1.13e5	0.61	NO	0.921	1.038	30.688	30.65	1.202	1.200	1994.7	100	3.77
20	13C-1,2,3,4,7,8-HxCDD	8.64e4	1.35	NO	0.707	1.038	33.958	33.97	1.014	1.014	1737.4	87.2	7.28
21	13C-1,2,3,6,7,8-HxCDD	1.03e5	1.33	NO	0.829	1.038	34.068	34.08	1.017	1.018	1762.6	88.5	6.22
22	13C-1,2,3,7,8,9-HxCDD	9.79e4	1.27	NO	0.808	1.038	34.340	34.38	1.025	1.027	1722.9	86.5	6.38
23	13C-1,2,3,4,6,7,8-HpCDD	7.52e4	1.10	NO	0.662	1.038	37.809	37.88	1.129	1.131	1616.1	81.1	8.23
24	13C-OCDD	1.06e5	0.87	NO	0.608	1.038	40.836	41.19	1.219	1.230	2468.9	62.0	4.85
25	13C-2,3,7,8-TCDF	2.08e5	0.76	NO	1.07	1.038	25.276	25.30	0.990	0.991	1851.4	93.0	6.36
26	13C-1,2,3,7,8-PeCDF	1.80e5	1.68	NO	0.826	1.038	29.506	29.46	1.156	1.154	2067.2	104	5.76
27	13C-2,3,4,7,8-PeCDF	1.74e5	1.65	NO	0.796	1.038	30.407	30.37	1.191	1.189	2077.3	104	5.97
28	13C-1,2,3,4,7,8-HxCDF	1.27e5	0.51	NO	1.08	1.038	33.087	33.08	0.988	0.988	1676.7	84.2	7.19
29	13C-1,2,3,6,7,8-HxCDF	1.33e5	0.51	NO	1.12	1.038	33.221	33.20	0.992	0.991	1685.0	84.6	6.87
30	13C-2,3,4,6,7,8-HxCDF	1.17e5	0.50	NO	1.02	1.038	33.794	33.80	1.009	1.009	1628.7	81.8	7.54
31	13C-1,2,3,7,8,9-HpCDF	1.08e5	0.50	NO	0.887	1.038	34.695	34.75	1.036	1.038	1732.2	87.0	8.71

Dataset: U:\VG7.PRO\Results\200616D1\200616D1_11.qld

Last Altered: Wednesday, July 08, 2020 14:09:20 Pacific Daylight Time
Printed: Wednesday, July 08, 2020 14:09:36 Pacific Daylight Time

Name: 200616D1_11, Date: 16-Jun-2020, Time: 20:23:49, ID: 2000996-03RE2 PDI-1054SC-A-09-10-200428 1.86, Description: PDI-1054SC-A-09-10-200428

1-0043 Db 7/8/20

#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.RRT	Req	Conc		
32	13C-1,2,3,4,6,7,8-HpCDF	9.48e4	0.44	NO	0.811	1.038	36.403	36.59	1.087	1.093	1662.1	83.4	6.76
33	13C-1,2,3,4,7,8,9-HpCDF	6.83e4	0.44	NO	0.598	1.038	38.412	38.42	1.147	1.147	1624.6	81.6	9.16
34	13C-OCDF	1.31e5	0.89	NO	0.752	1.038	40.991	41.40	1.224	1.236	2469.7	62.0	4.58
35	37Cl-2,3,7,8-TCDD	5.84e4			1.24	1.038	26.192	26.11	1.026	1.023	763.69	95.9	1.60
36	13C-1,2,3,4-TCDD	1.23e5	0.78	NO	1.00	1.038	25.480	25.53	1.000	1.000	1991.8	100	11.0
37	13C-1,2,3,4-TCDF	2.10e5	0.80	NO	1.00	1.038	24.020	24.06	1.000	1.000	1991.8	100	6.80
38	13C-1,2,3,4,6,9-HxCDF	1.40e5	0.51	NO	1.00	1.038	33.530	33.49	1.000	1.000	1991.8	100	7.73
39	Total Tetra-Dioxins				0.986	1.038	24.620		0.000				0.680
40	Total Penta-Dioxins				0.964	1.038	29.960		0.000				1.06
41	Total Hexa-Dioxins				1.01	1.038	33.635		0.000				0.944
42	Total Hepta-Dioxins				0.997	1.038	37.640		0.000				1.46
43	Total Tetra-Furans				0.833	1.038	23.610		0.000		0.00000		0.532
44	1st Func. Penta-Furans				0.965	1.038	27.090		0.000				1.40
45	Total Penta-Furans				0.965	1.038	29.275		0.000				0.295
46	Total Hexa-Furans				1.15	1.038	33.555		0.000				0.490
47	Total Hepta-Furans				1.16	1.038	37.835		0.000				0.738

Dataset: U:\VG7.PRO\Results\200616D1\200616D1_11.qld

Last Altered: Wednesday, July 08, 2020 14:09:20 Pacific Daylight Time
 Printed: Wednesday, July 08, 2020 14:09:36 Pacific Daylight Time

Method: Untitled 27 Apr 2020 14:17:24
 Calibration: U:\VG7.PRO\CurveDB\ldb-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200616D1_11, Date: 16-Jun-2020, Time: 20:23:49, ID: 2000996-03RE2 PDI-1054SC-A-09-10-200428 1.86, Description: PDI-1054SC-A-09-10-200428

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Cond	EMPC	DL
Total Tetra-Furans	25.53	2.785e3	1.140e3	1.497e2	6.869e1	2.18	YES	0.000e0	0.00000	1.3965	0.532

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200616D1\200616D1_11.qld

Last Altered: Wednesday, July 08, 2020 14:09:20 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 14:09:36 Pacific Daylight Time

Name: 200616D1_11, Date: 16-Jun-2020, Time: 20:23:49, ID: 2000996-03RE2 PDI-1054SC-A-09-10-200428 1.86, Description: PDI-1054SC-A-09-10-200428

Penta-Furans

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

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

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
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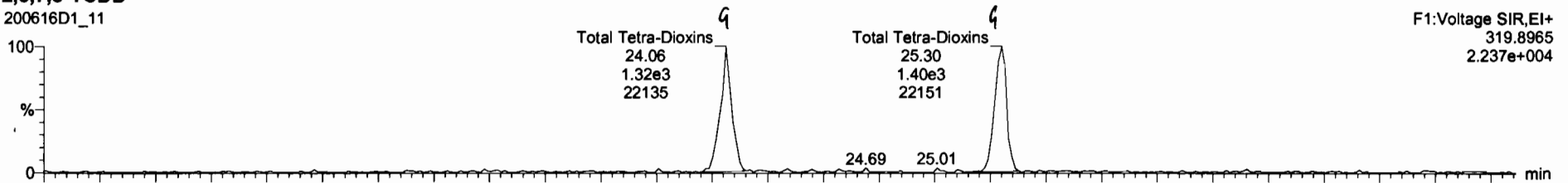
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Last Altered: Wednesday, June 17, 2020 10:31:18 Pacific Daylight Time
Printed: Wednesday, June 17, 2020 11:18:29 Pacific Daylight Time

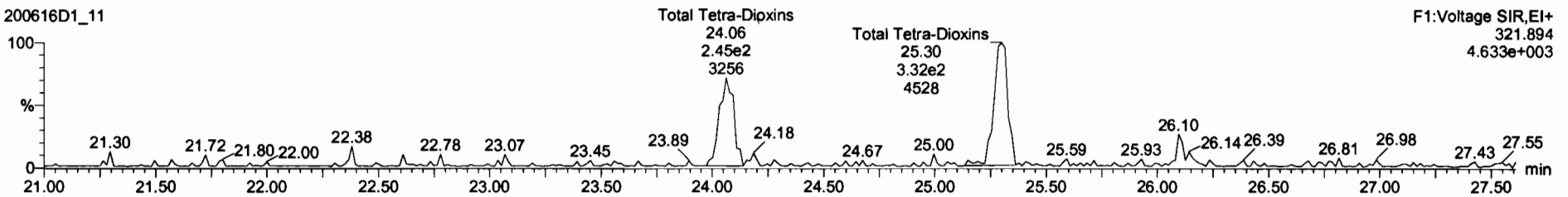
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Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200616D1_11, Date: 16-Jun-2020, Time: 20:23:49, ID: 2000996-03RE2 PDI-1054SC-A-09-10-200428 1.86, Description: PDI-1054SC-A-09-10-200428

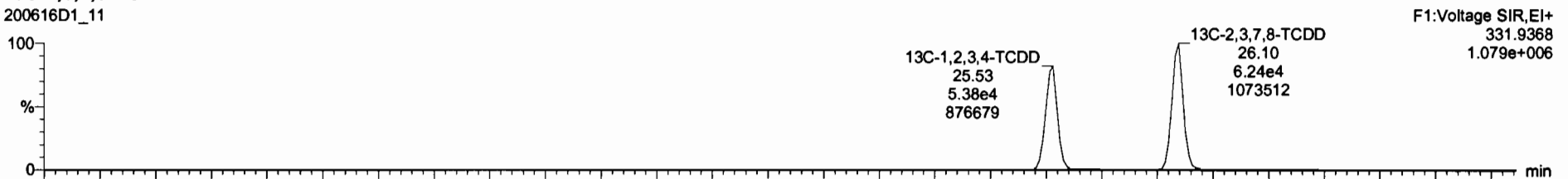
2,3,7,8-TCDD
200616D1_11



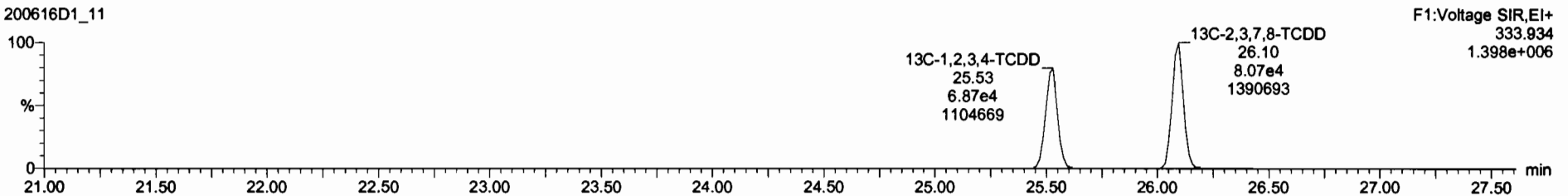
200616D1_11



13C-2,3,7,8-TCDD
200616D1_11



200616D1_11



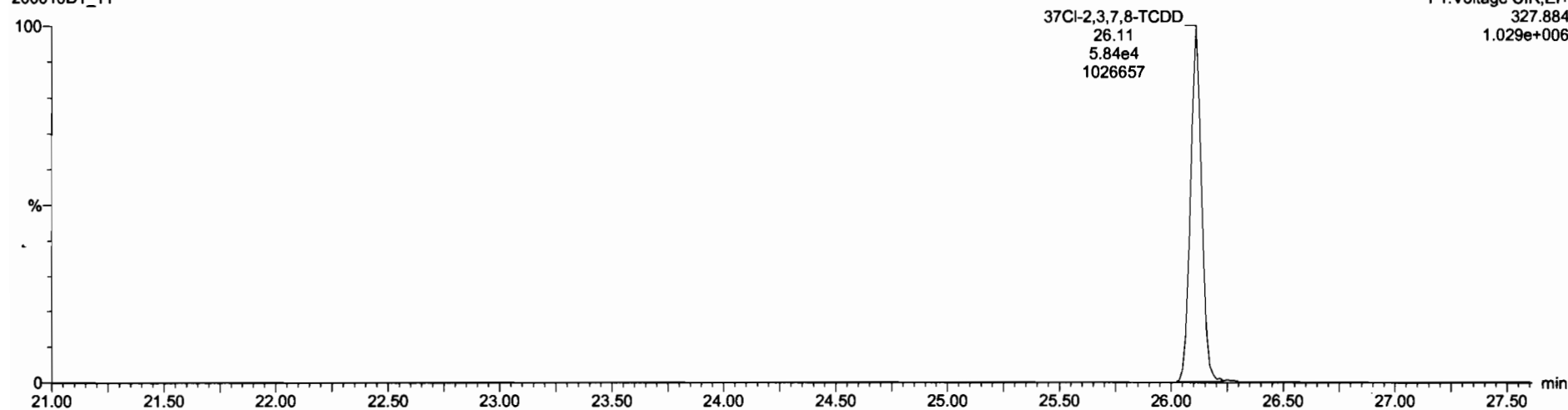
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Last Altered: Wednesday, June 17, 2020 10:31:18 Pacific Daylight Time
Printed: Wednesday, June 17, 2020 11:18:29 Pacific Daylight Time

Name: 200616D1_11, Date: 16-Jun-2020, Time: 20:23:49, ID: 2000996-03RE2 PDI-1054SC-A-09-10-200428 1.86, Description: PDI-1054SC-A-09-10-200428

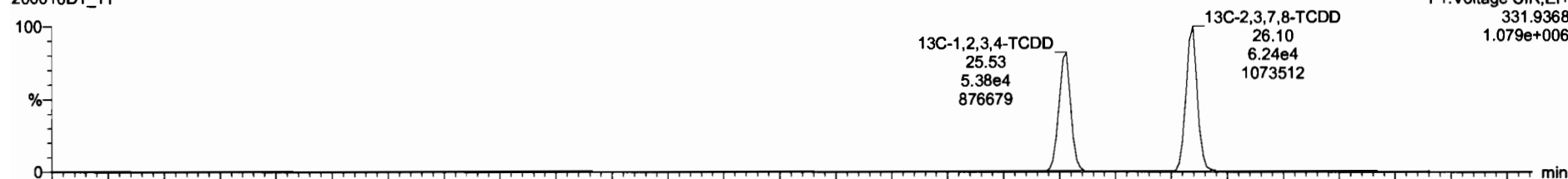
37Cl-2,3,7,8-TCDD

200616D1_11

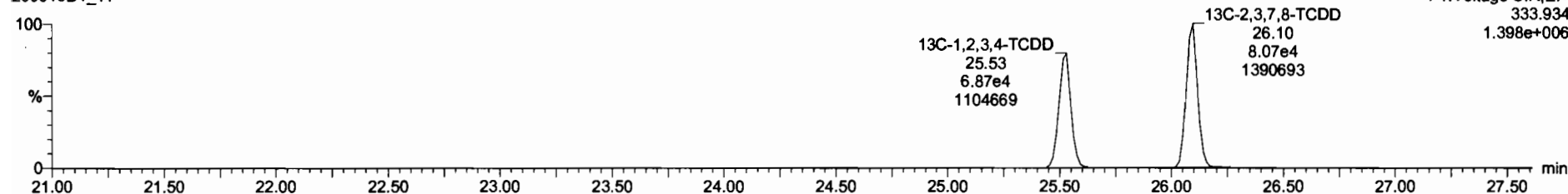


13C-1,2,3,4-TCDD

200616D1_11



200616D1_11



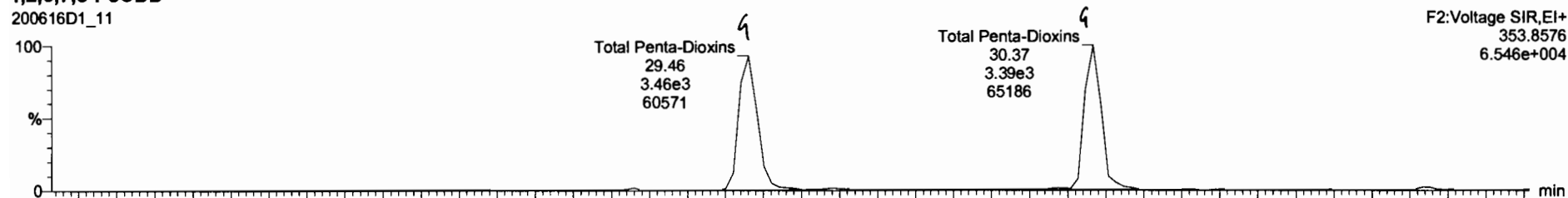
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Printed: Wednesday, June 17, 2020 11:18:29 Pacific Daylight Time

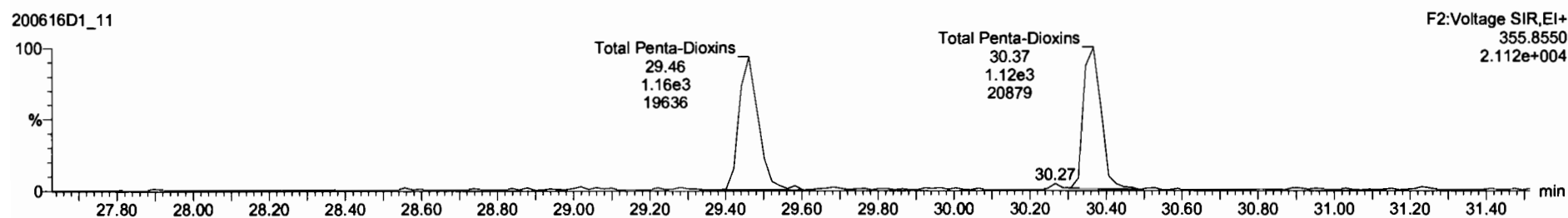
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1,2,3,7,8-PeCDD

200616D1_11



200616D1_11

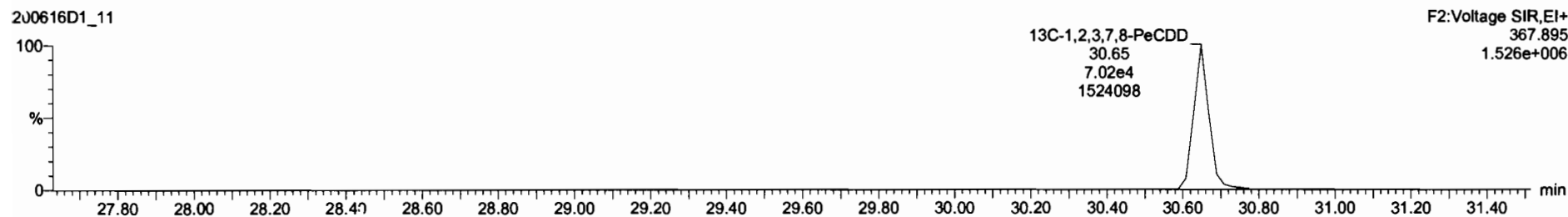


13C-1,2,3,7,8-PeCDD

200616D1_11



200616D1_11



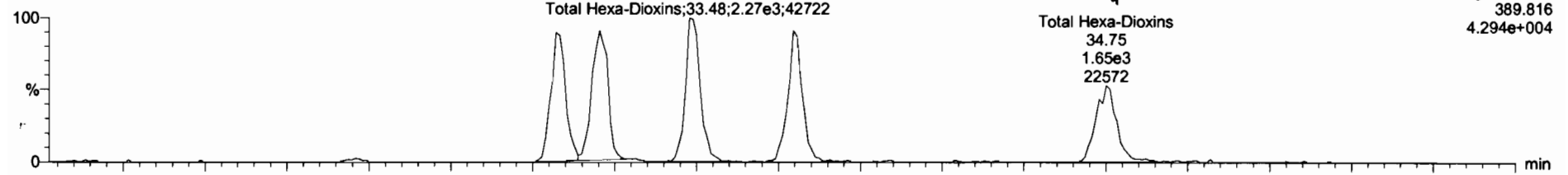
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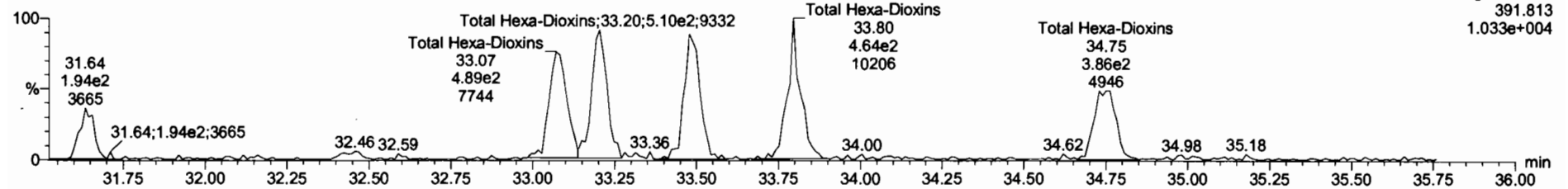
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1,2,3,4,7,8-HxCDD

200616D1_11

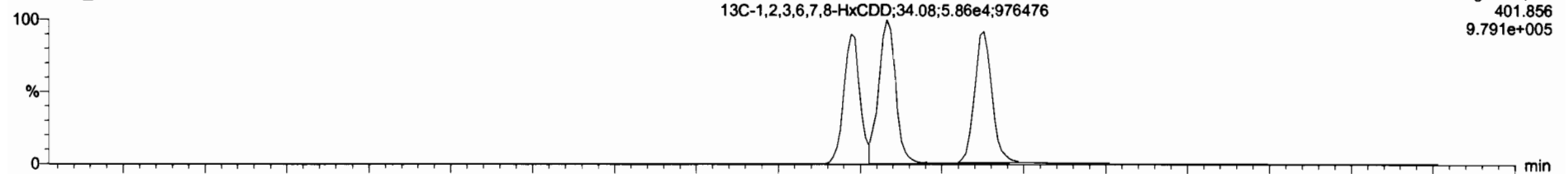


200616D1_11

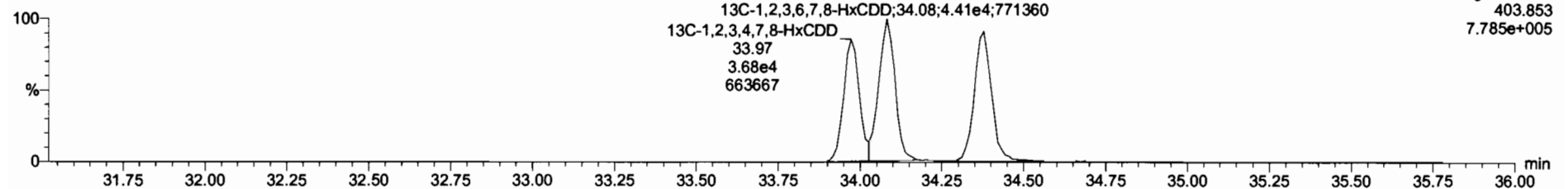


13C-1,2,3,4,7,8-HxCDD

200616D1_11



200616D1_11



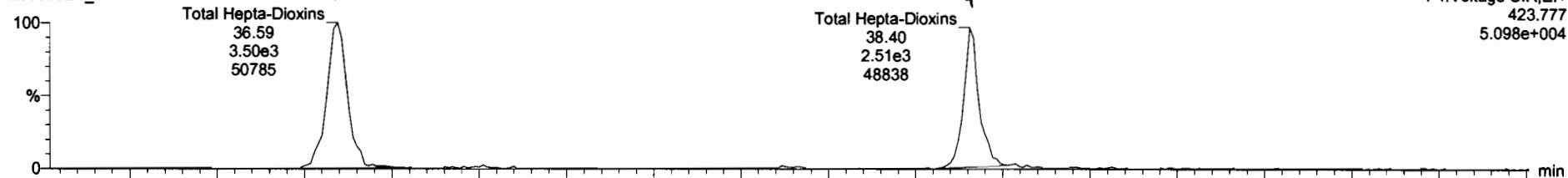
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Printed: Wednesday, June 17, 2020 11:18:29 Pacific Daylight Time

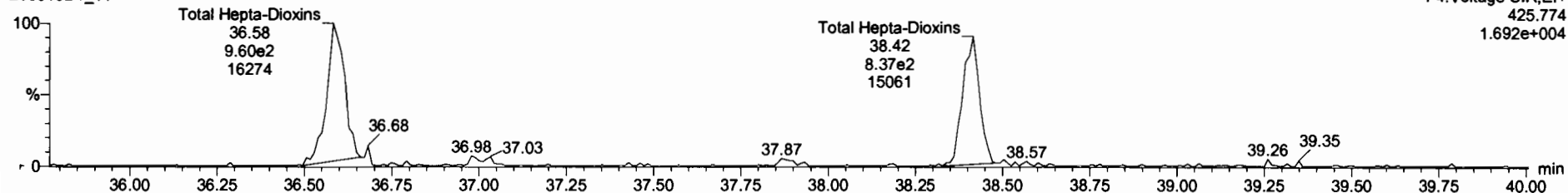
Name: 200616D1_11, Date: 16-Jun-2020, Time: 20:23:49, ID: 2000996-03RE2 PDI-1054SC-A-09-10-200428 1.86, Description: PDI-1054SC-A-09-10-200428

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

200616D1_11

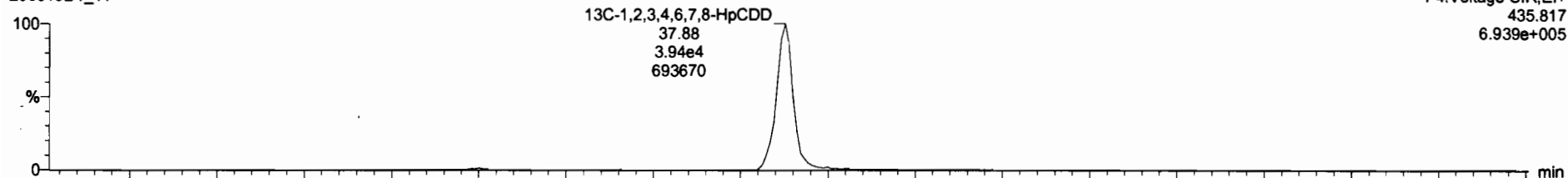


200616D1_11

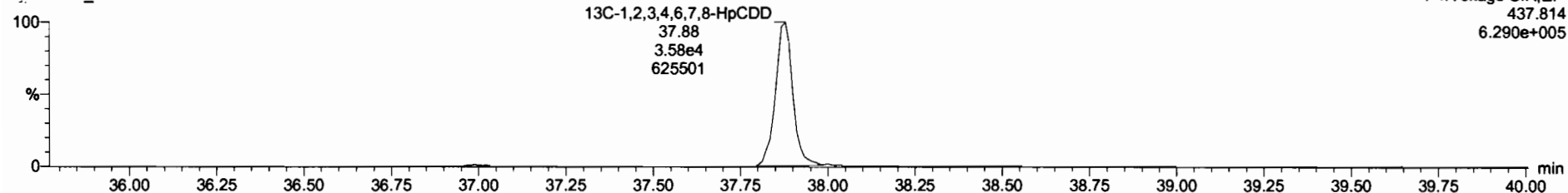


13C-1,2,3,4,6,7,8-HpCDD

200616D1_11



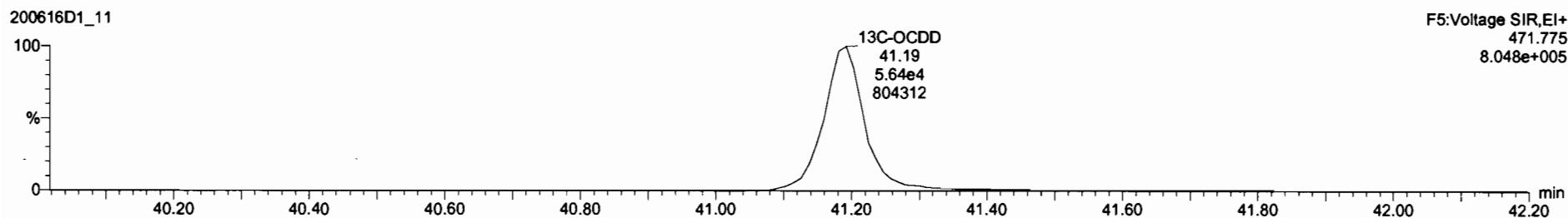
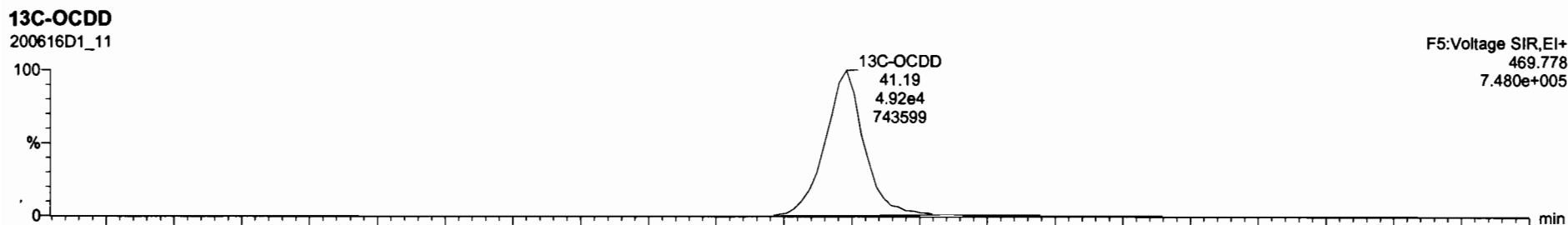
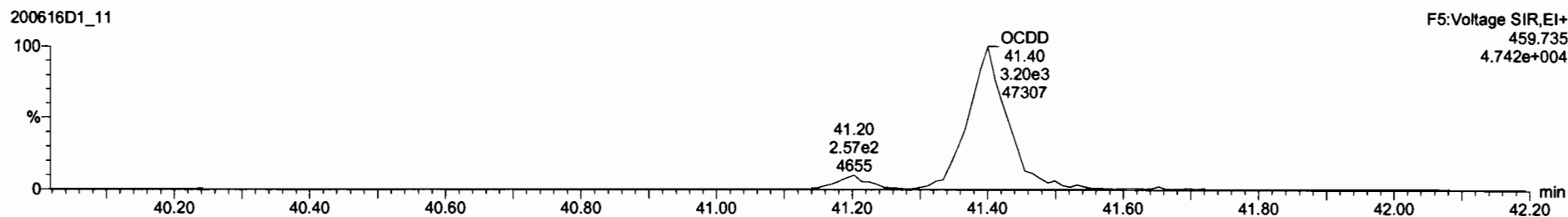
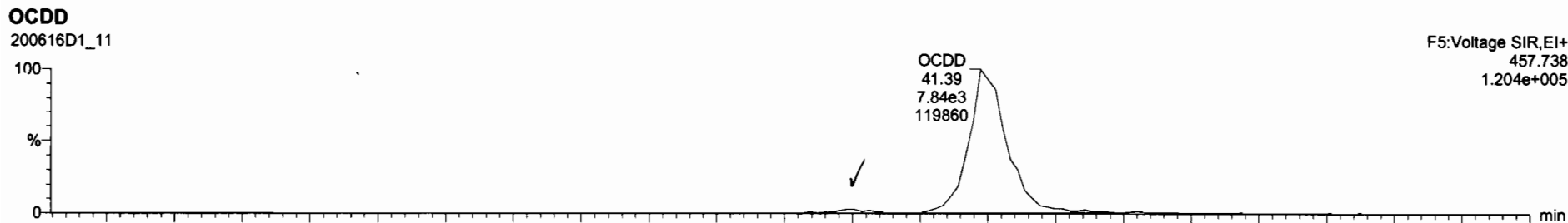
200616D1_11

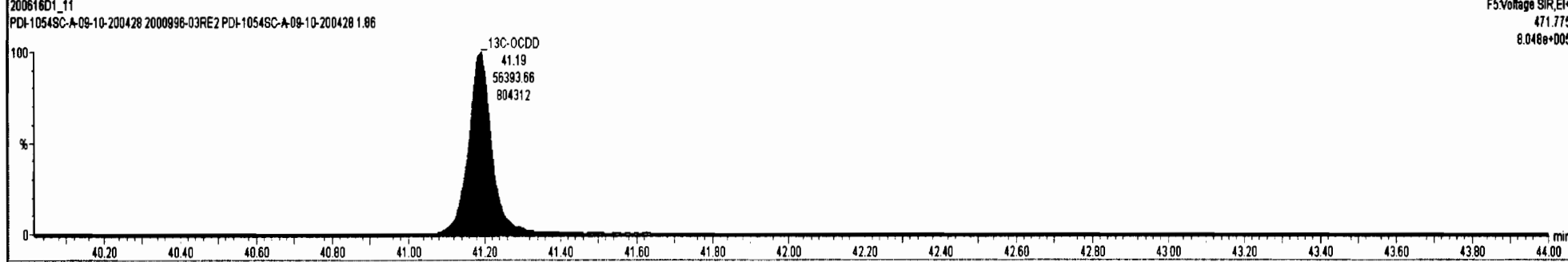
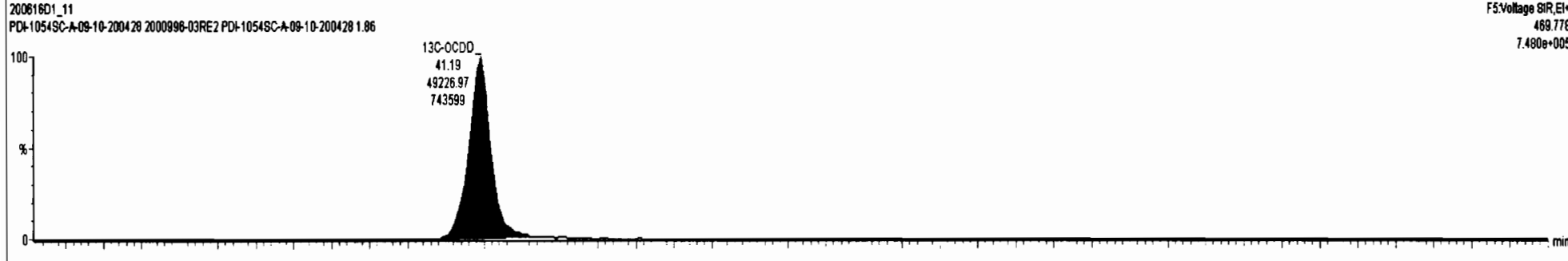
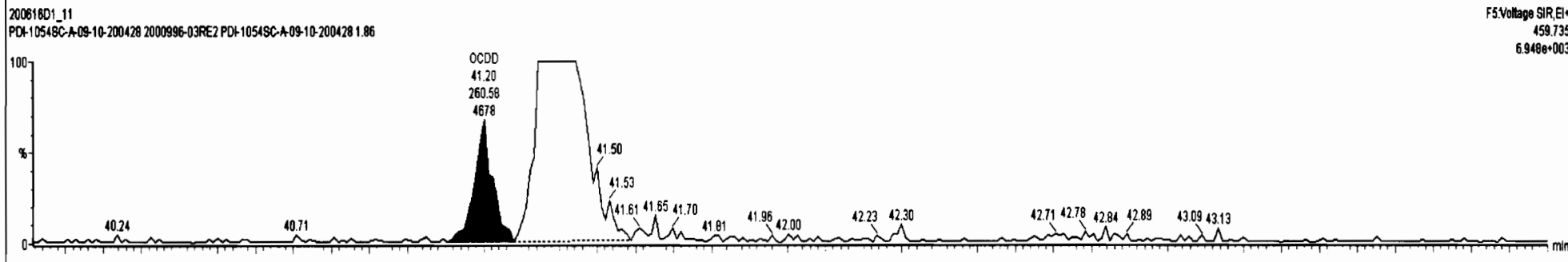
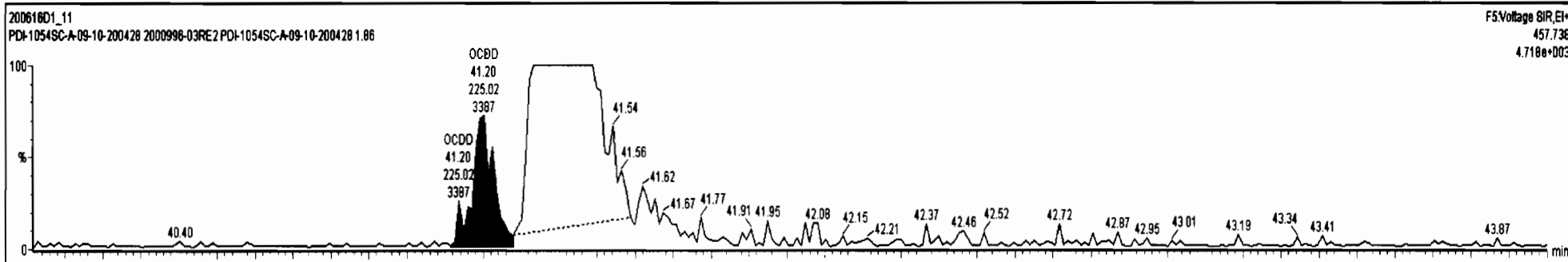


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Last Altered: Wednesday, June 17, 2020 10:31:18 Pacific Daylight Time
Printed: Wednesday, June 17, 2020 11:18:29 Pacific Daylight Time

Name: 200616D1_11, Date: 16-Jun-2020, Time: 20:23:49, ID: 2000996-03RE2 PDI-1054SC-A-09-10-200428 1.86, Description: PDI-1054SC-A-09-10-200428



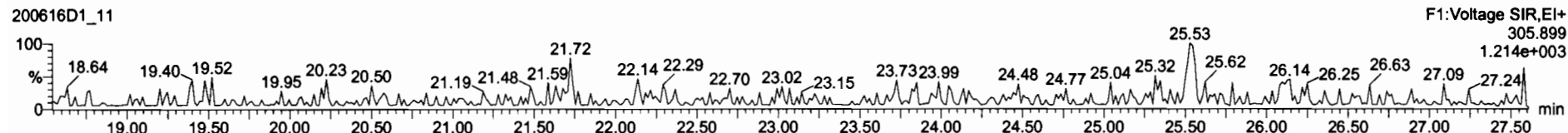
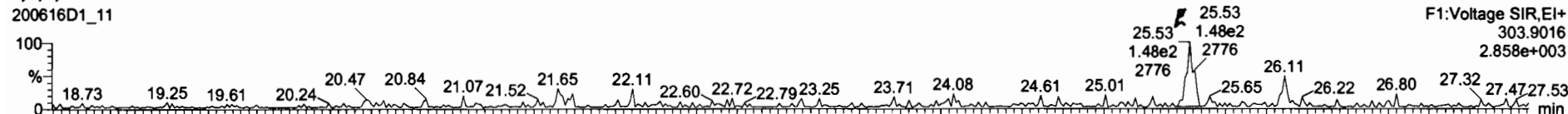


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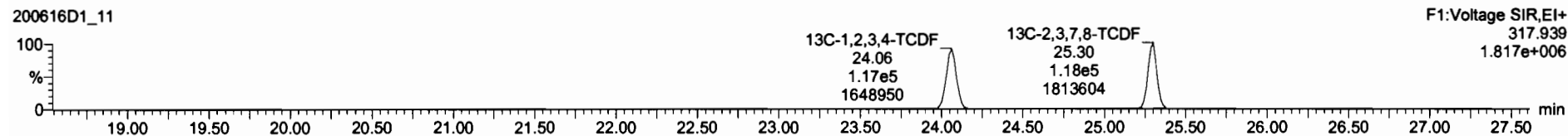
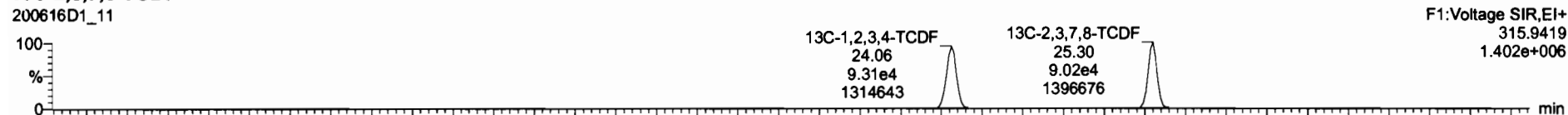
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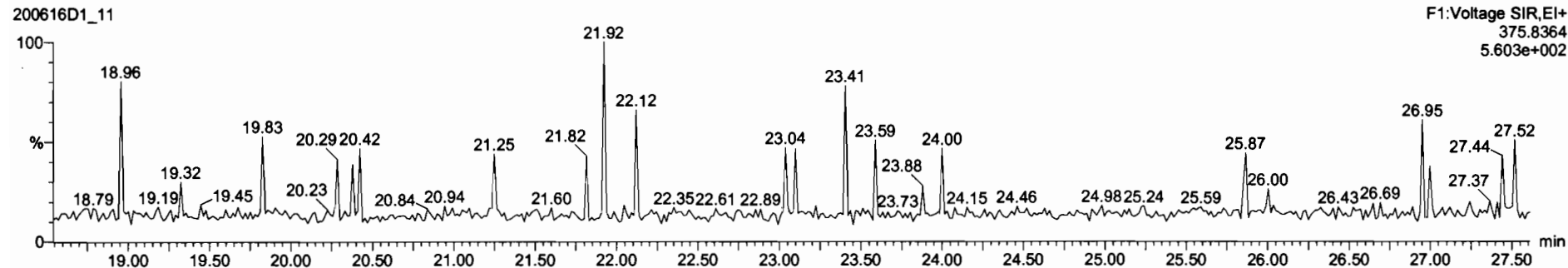
2,3,7,8-TCDF



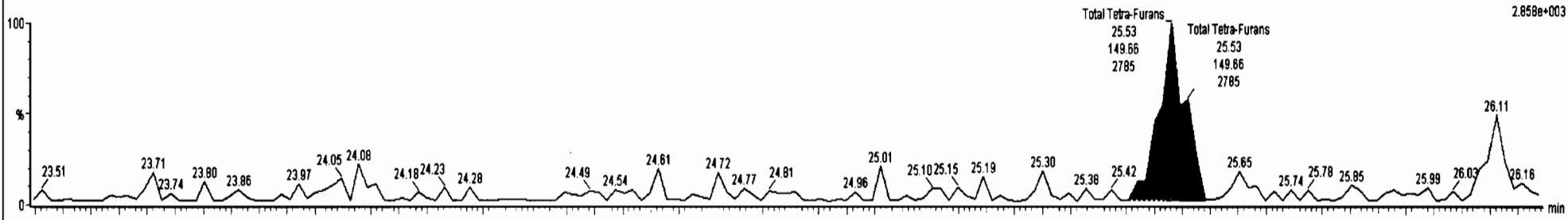
¹³C-2,3,7,8-TCDF



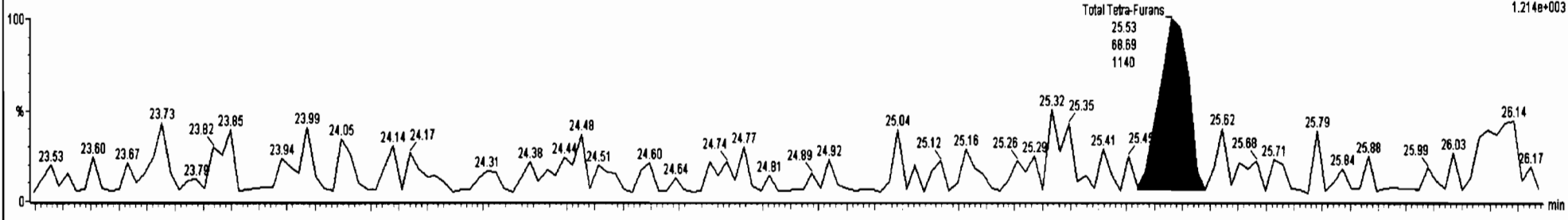
DPE1



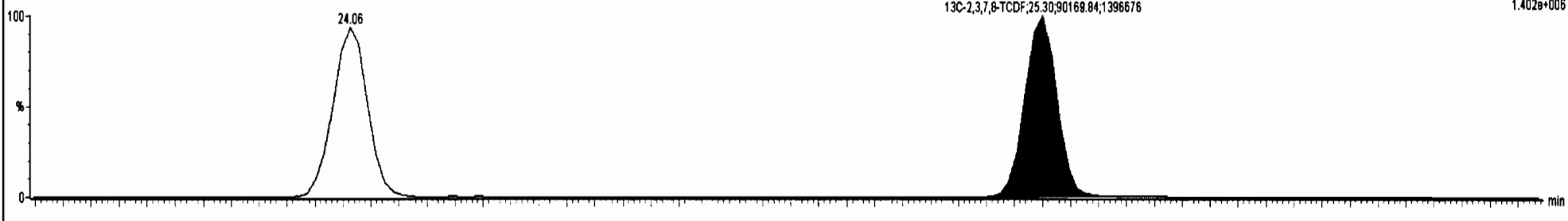
200616D1_11
PDI-10545C-A-09-10-200428 2000996-03RE2 PDI-10545C-A-09-10-200428 1.86



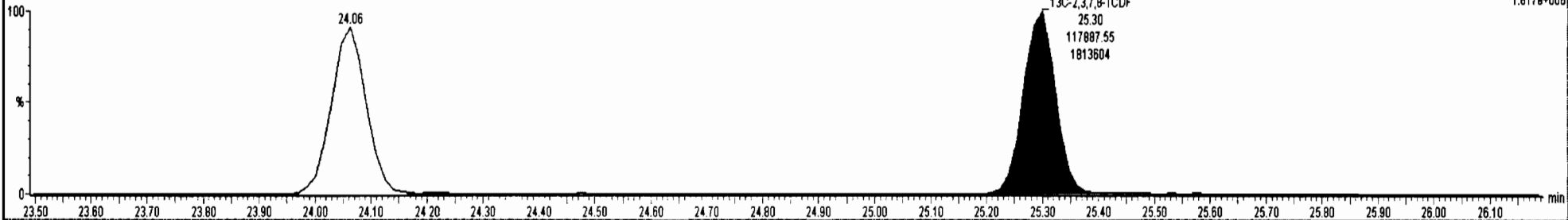
200616D1_11
PDI-10545C-A-09-10-200428 2000996-03RE2 PDI-10545C-A-09-10-200428 1.86



200616D1_11
PDI-10545C-A-09-10-200428 2000996-03RE2 PDI-10545C-A-09-10-200428 1.86



200616D1_11
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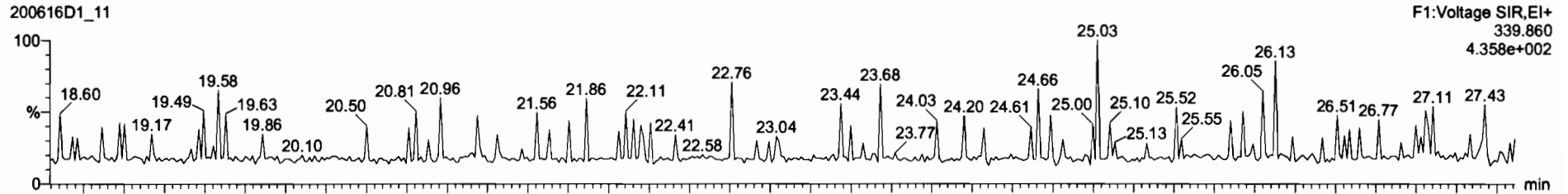
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Last Altered: Wednesday, June 17, 2020 10:31:18 Pacific Daylight Time
Printed: Wednesday, June 17, 2020 11:18:29 Pacific Daylight Time

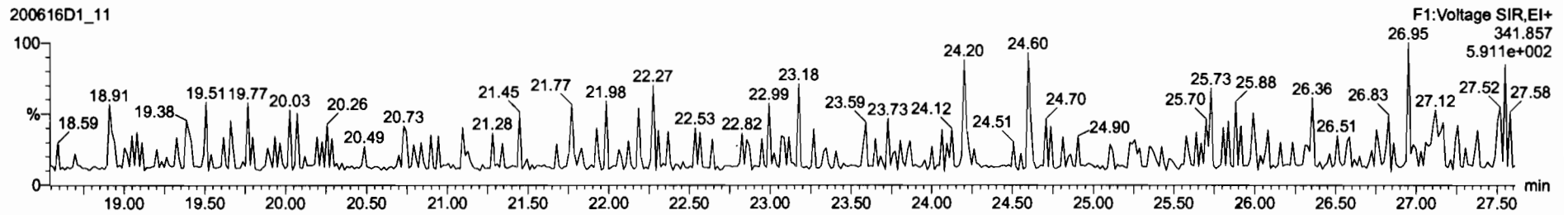
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200616D1_11

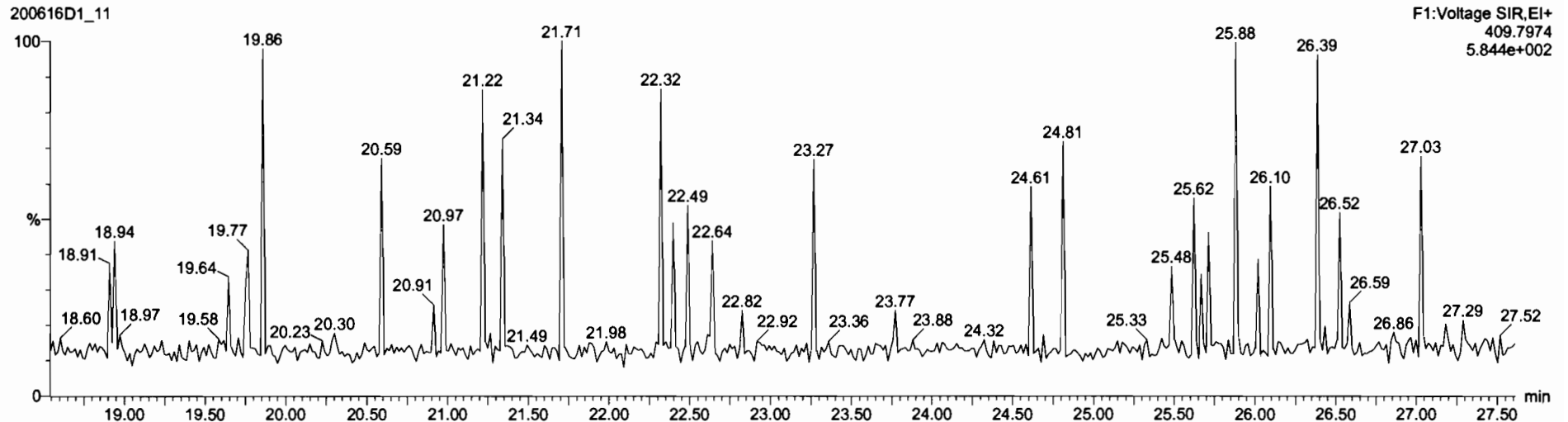


200616D1_11



DPE6

200616D1_11



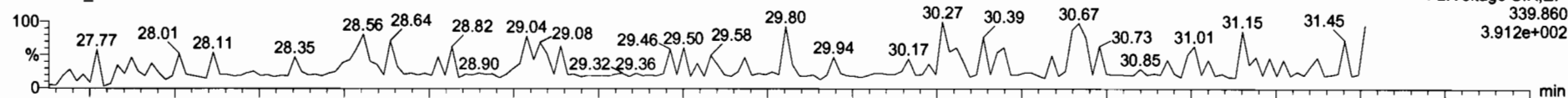
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Last Altered: Wednesday, June 17, 2020 10:31:18 Pacific Daylight Time
Printed: Wednesday, June 17, 2020 11:18:29 Pacific Daylight Time

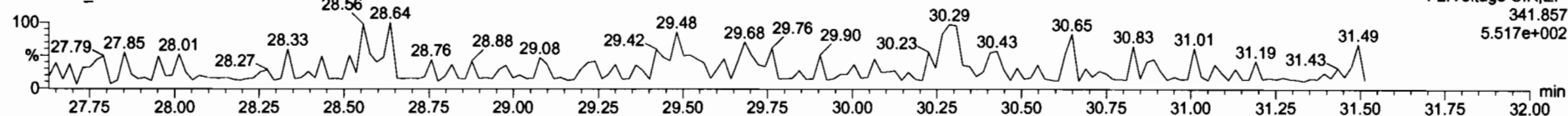
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1,2,3,7,8-PeCDF

200616D1_11

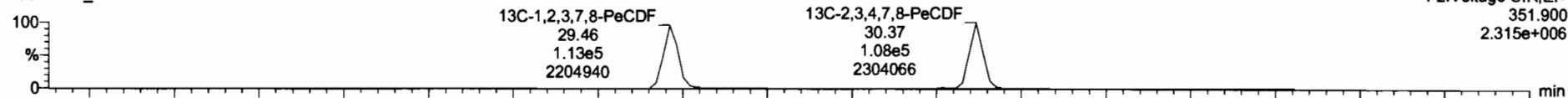


200616D1_11

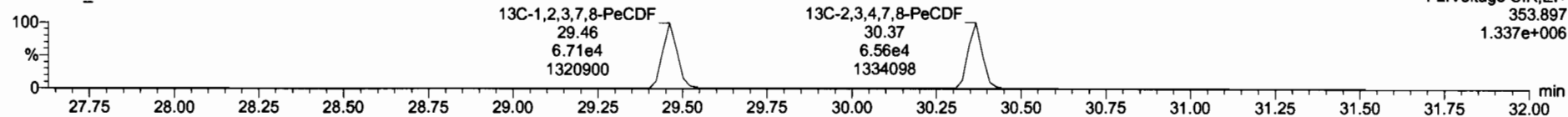


13C-1,2,3,7,8-PeCDF

200616D1_11

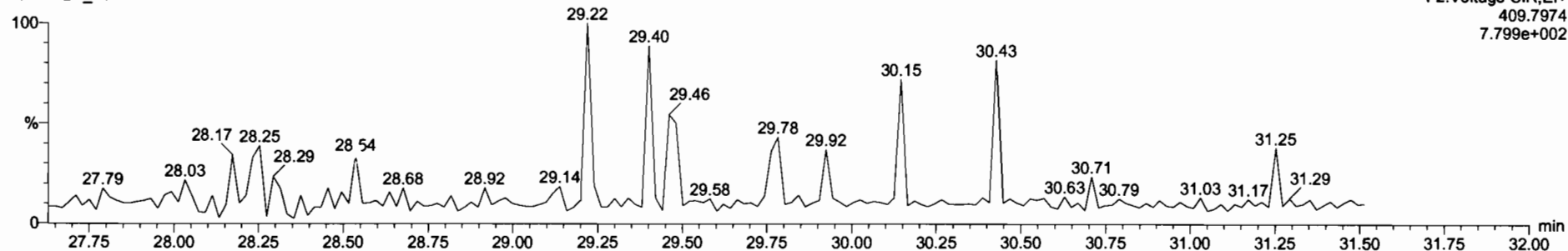


200616D1_11



DPE2

200616D1_11

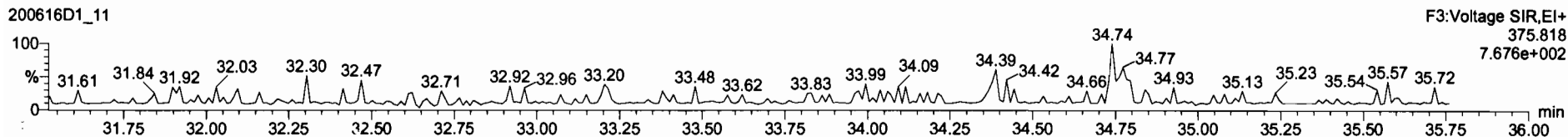
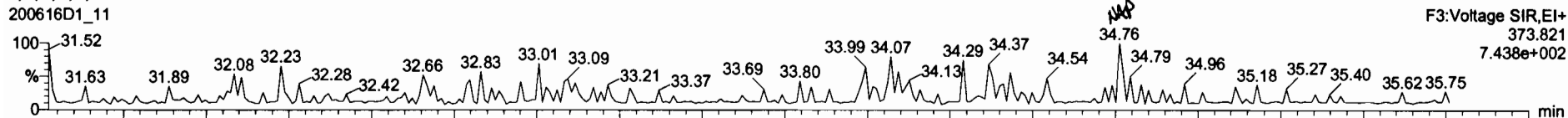


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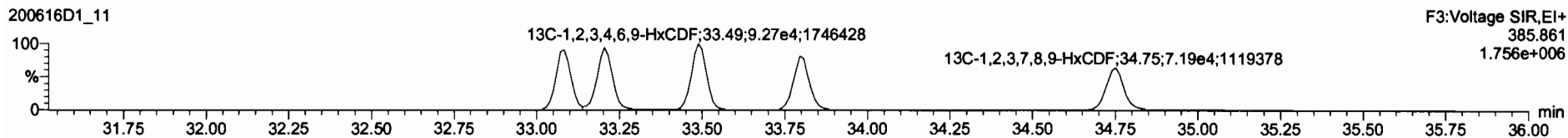
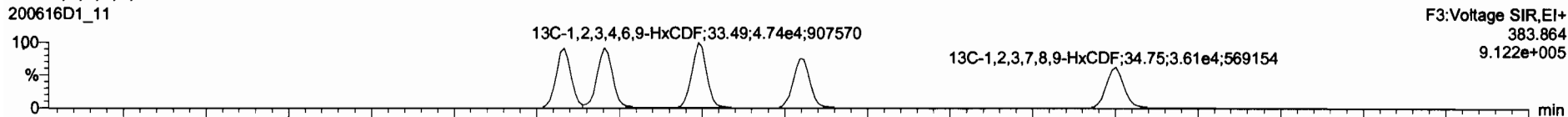
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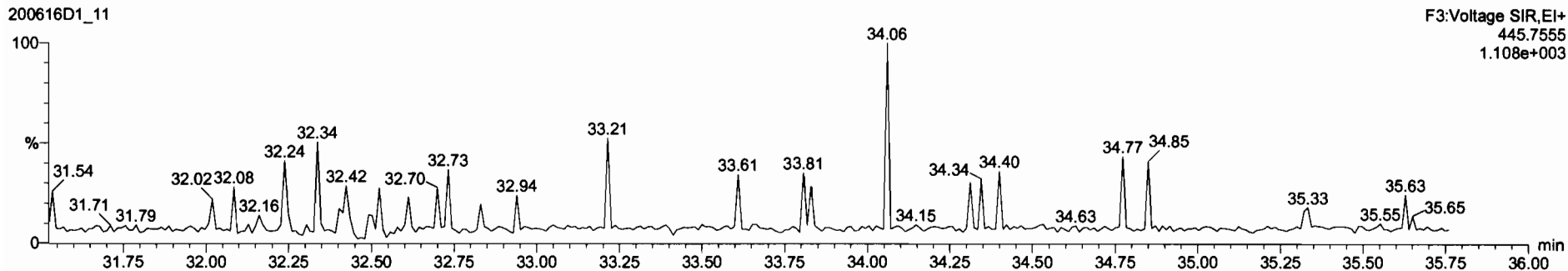
1,2,3,4,7,8-HxCDF



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



DPE3

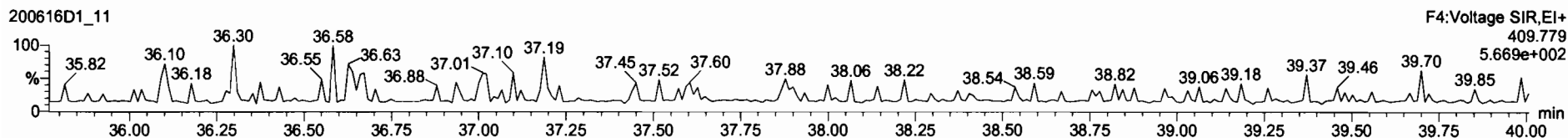
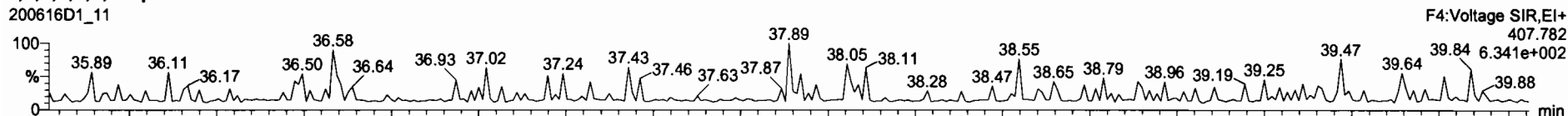


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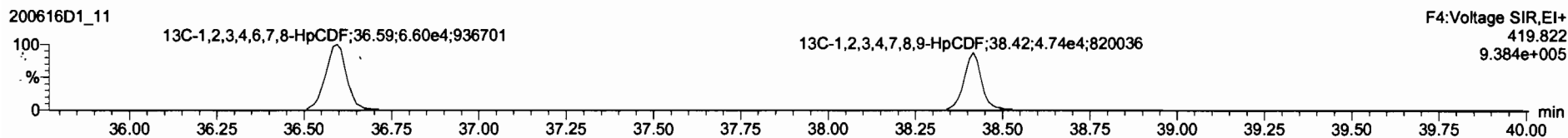
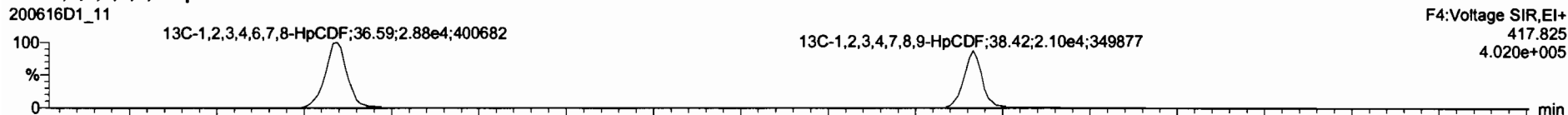
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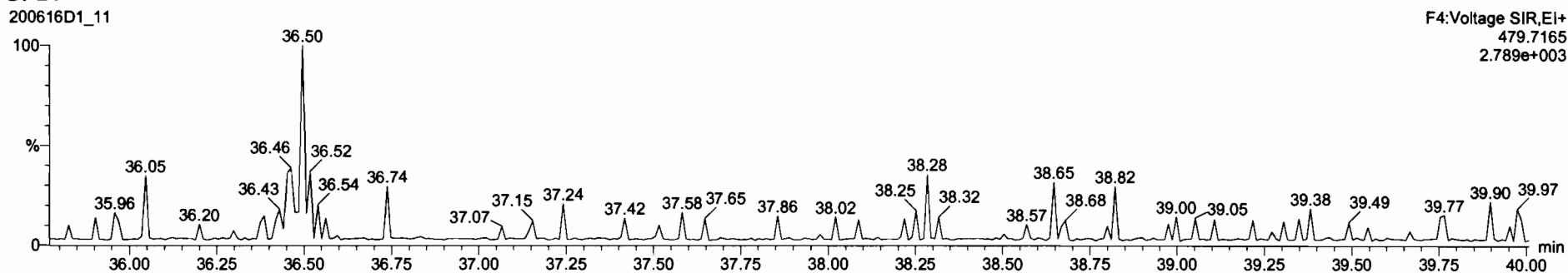
1,2,3,4,6,7,8-HpCDF



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



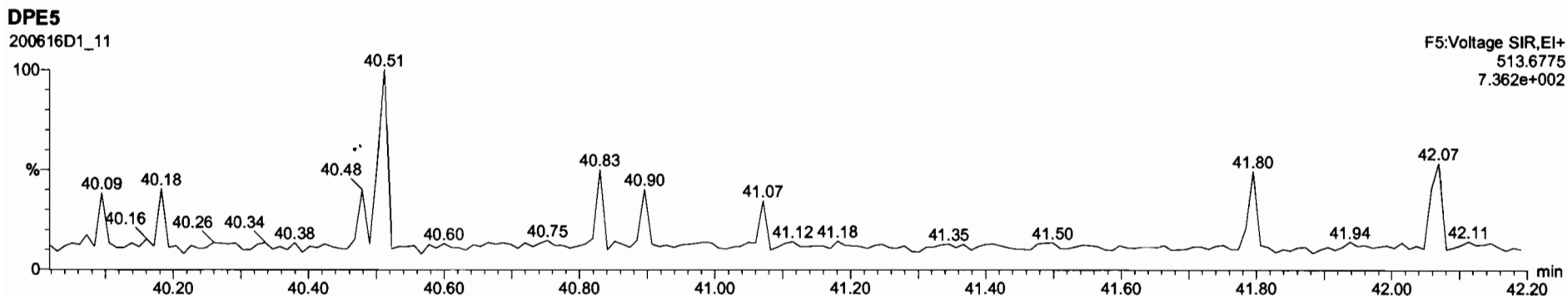
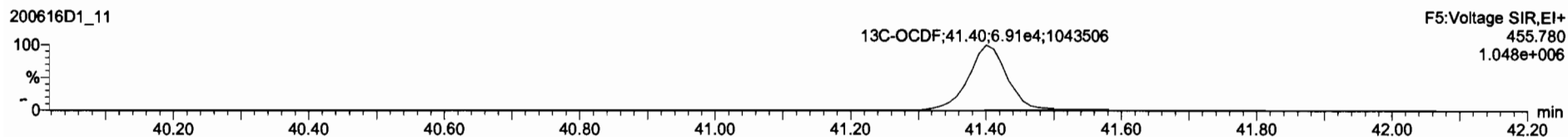
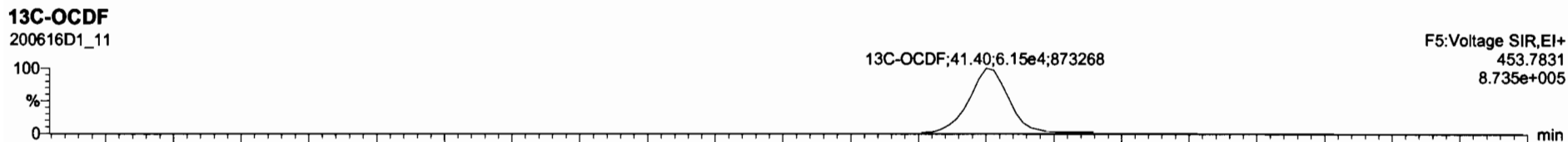
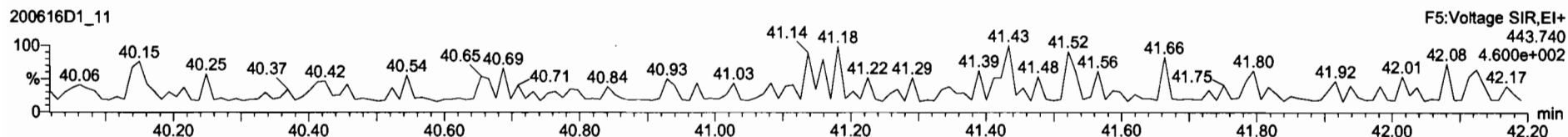
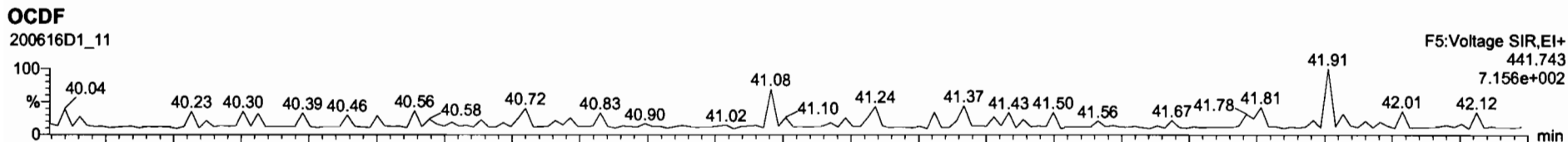
DPE4



Dataset: U:\VG7.PRO\Results\200616D1\200616D1_11.qld

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Printed: Wednesday, June 17, 2020 11:18:29 Pacific Daylight Time

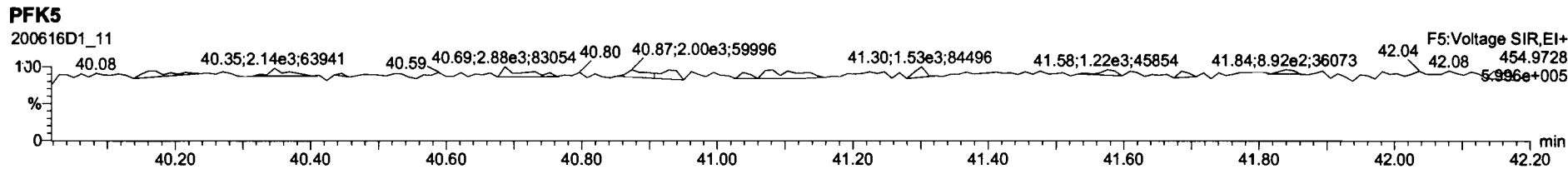
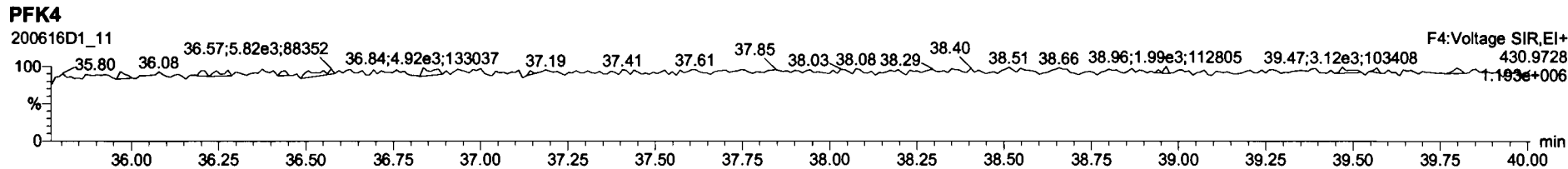
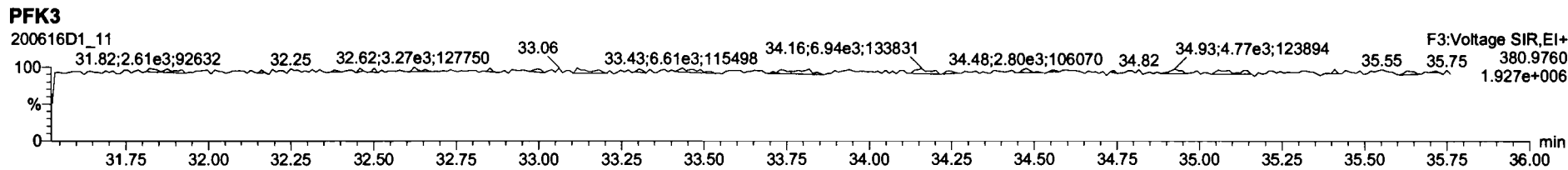
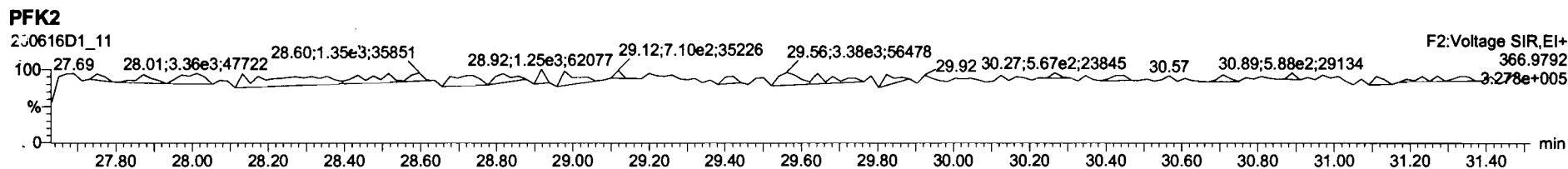
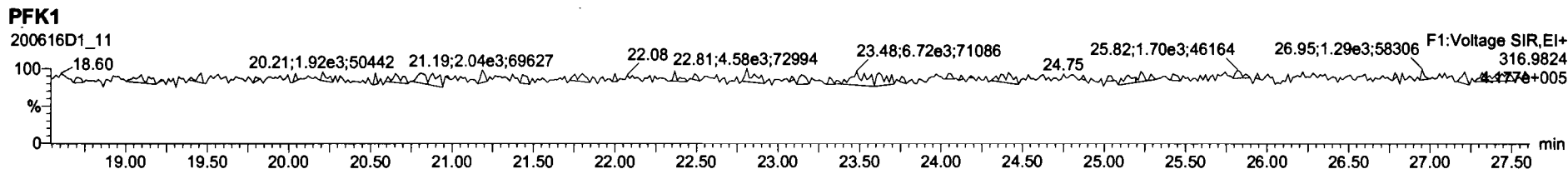
Name: 200616D1_11, Date: 16-Jun-2020, Time: 20:23:49, ID: 2000996-03RE2 PDI-1054SC-A-09-10-200428 1.86, Description: PDI-1054SC-A-09-10-200428



Dataset: U:\VG7.PRO\Results\200616D1\200616D1_11.qld

Last Altered: Wednesday, June 17, 2020 10:31:18 Pacific Daylight Time
Printed: Wednesday, June 17, 2020 11:18:29 Pacific Daylight Time

Name: 200616D1_11, Date: 16-Jun-2020, Time: 20:23:49, ID: 2000996-03RE2 PDI-1054SC-A-09-10-200428 1.86, Description: PDI-1054SC-A-09-10-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_9.qld

Last Altered: Wednesday, July 08, 2020 13:38:16 Pacific Daylight Time
Printed: Wednesday, July 08, 2020 13:38:36 Pacific Daylight Time

DB 7/8/20 0707/08/2020

** see dilution*

Method: Untitled 27 Apr 2020 14:17:24

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

Name: 200605D1_9, Date: 05-Jun-2020, Time: 18:22:38, ID: 2000996-04 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428

	Resp	RA	n/y	RRF	WVW	Peak 1	Peak 2	RR1	RR2				
1	2,3,7,8-TCDD	3.29e2	0.87	NO	0.987	10.013	26.265	26.26	1.001	1.001	1.5277	0.710	1.53
2	1,2,3,7,8-PeCDD	7.24e2	0.63	NO	0.982	10.013	30.690	30.71	1.001	1.001	3.4336	0.496	3.43
3	1,2,3,4,7,8-HxCDD	1.07e3	1.33	NO	1.17	10.013	33.993	33.99	1.000	1.000	4.9335	1.03	4.93
4	1,2,3,6,7,8-HxCDD	9.98e3	1.20	NO	1.04	10.013	34.081	34.10	1.000	1.001	45.586	1.13	45.6
5	1,2,3,7,8,9-HxCDD	2.39e3	1.33	NO	1.00	10.013	34.412	34.40	1.001	1.001	12.765	1.28	12.8
6	1,2,3,4,6,7,8-HpCDD	6.13e5	1.03	NO	0.992	10.013	37.856	37.87	1.000	1.001	4057.5E	4.58	4060 *
7	OCDD	3.76e6	0.88	NO	1.04	10.013	41.159	41.17	1.000	1.000	34383E	7.07	34400 *
8	2,3,7,8-TCDF	1.50e4	0.77	NO	0.882	10.013	25.448	25.44	1.001	1.001	62.998 (4.0)	0.829	63.0
9	1,2,3,7,8-PeCDF	2.01e4	1.56	NO	1.05	10.013	29.563	29.56	1.001	1.001	64.217	0.362	64.2
10	2,3,4,7,8-PeCDF	9.01e3	1.48	NO	1.06	10.013	30.427	30.43	1.001	1.001	27.475	0.309	27.5
11	1,2,3,4,7,8-HxCDF	3.34e4	1.19	NO	1.08	10.013	33.094	33.12	1.000	1.001	123.40	1.01	123
12	1,2,3,6,7,8-HxCDF	8.65e3	1.21	NO	1.04	10.013	33.225	33.22	1.000	1.000	31.594	0.970	31.6
13	2,3,4,6,7,8-HxCDF	3.53e3	1.16	NO	1.11	10.013	33.841	33.82	1.001	1.000	14.440	1.17	14.4
14	1,2,3,7,8,9-HxCDF	1.10e3	1.30	NO	1.06	10.013	34.751	34.78	1.000	1.001	5.4410	1.60	5.44
15	1,2,3,4,6,7,8-HpCDF	5.61e4	1.04	NO	1.13	10.013	36.620	36.60	1.001	1.001	282.93	1.24	283
16	1,2,3,4,7,8,9-HpCDF	4.57e3	0.97	NO	1.33	10.013	38.383	38.39	1.000	1.000	28.932	1.36	28.9
17	OCDF	1.27e5	0.90	NO	0.933	10.013	41.367	41.38	1.000	1.000	1237.6	2.03	1240
18	13C-2,3,7,8-TCDD	4.35e4	0.79	NO	1.21	10.013	26.305	26.23	1.026	1.023	39.985	20.0	0.291
19	13C-1,2,3,7,8-PeCDD	4.29e4	0.63	NO	0.996	10.013	30.817	30.67	1.202	1.196	47.724	23.9	0.257
20	13C-1,2,3,4,7,8-HxCDD	3.68e4	1.28	NO	0.679	10.013	33.969	33.98	1.014	1.014	57.176	28.8	0.250
21	13C-1,2,3,6,7,8-HxCDD	4.22e4	1.28	NO	0.850	10.013	34.080	34.08	1.017	1.017	52.377	26.2	0.200
22	13C-1,2,3,7,8,9-HxCDD	3.73e4	1.31	NO	0.798	10.013	34.351	34.38	1.025	1.026	49.222	24.6	0.213
23	13C-1,2,3,4,6,7,8-HpCDD	3.04e4	1.04	NO	0.697	10.013	37.821	37.85	1.129	1.130	46.041	23.1	0.256
24	13C-OCDD	4.22e4	0.90	NO	0.579	10.013	40.850	41.16	1.219	1.229	76.817	19.2	0.281
25	13C-2,3,7,8-TCDF	5.39e4	0.76	NO	1.13	10.013	25.382	25.42	0.990	0.992	35.267	17.7	0.448
26	13C-1,2,3,7,8-PeCDF	5.99e4	1.61	NO	0.996	10.013	29.630	29.54	1.156	1.152	44.382	22.2	0.288
27	13C-2,3,4,7,8-PeCDF	6.18e4	1.63	NO	0.969	10.013	30.535	30.41	1.191	1.186	47.062	23.6	0.297
28	13C-1,2,3,4,7,8-HxCDF	5.00e4	0.52	NO	1.06	10.013	33.098	33.09	0.988	0.988	49.818	24.9	0.322
29	13C-1,2,3,6,7,8-HxCDF	5.25e4	0.51	NO	1.18	10.013	33.232	33.22	0.992	0.991	47.099	23.6	0.290
30	13C-2,3,4,6,7,8-HxCDF	4.40e4	0.51	NO	1.06	10.013	33.805	33.81	1.009	1.009	43.871	22.0	0.323
31	13C-1,2,3,7,8,9-HxCDF	3.82e4	0.49	NO	0.879	10.013	34.706	34.75	1.036	1.037	45.874	23.0	0.388

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Name: 200605D1_9, Date: 05-Jun-2020, Time: 18:22:38, ID: 2000996-04 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428

	Resp	RA	Qty	RRF	Wt%	Time	Area	Area	Area	Area	Area	Area	Area	
32	13C-1,2,3,4,6,7,8-HpCDF	3.51e4	0.44	NO	0.893	10.013	36.415	36.58	1.087	1.092	41.511	20.8	0.227	
33	13C-1,2,3,4,7,8,9-HpCDF	2.37e4	0.43	NO	0.613	10.013	38.424	38.38	1.147	1.146	40.698	20.4	0.330	
34	13C-OCDF	4.39e4	0.89	NO	0.741	10.013	41.004	41.37	1.224	1.235	62.532	15.7	0.365	
35	37Cl-2,3,7,8-TCDD	1.84e4			1.18	10.013	26.302	26.25	1.026	1.024	17.293	21.6	0.0729	
36	13C-1,2,3,4-TCDD	1.80e5	0.82	NO	1.00	10.013	25.480	25.64	1.000	1.000	199.74	100	0.351	
37	13C-1,2,3,4-TCDF	2.71e5	0.76	NO	1.00	10.013	24.020	24.22	1.000	1.000	199.74	100	0.505	
38	13C-1,2,3,4,6,9-HxCDF	1.89e5	0.51	NO	1.00	10.013	33.530	33.50	1.000	1.000	199.74	100	0.341	
39	Total Tetra-Dioxins				0.987	10.013	24.620		0.000		18.683		0.710	28.9
40	Total Penta-Dioxins				0.982	10.013	29.960		0.000		49.291		0.496	54.3
41	Total Hexa-Dioxins				1.04	10.013	33.635		0.000		704.54		1.18	705
42	Total Hepta-Dioxins				0.992	10.013	37.640		0.000		10150		4.58	10100
43	Total Tetra-Furans				0.882	10.013	23.610		0.000		253.10		0.829	260
44	1st Func. Penta-Furans				1.05	10.013	27.400		0.000		43.910		0.202	43.9
45	Total Penta-Furans				1.05	10.013	29.275		0.000		213.79		0.337	218
46	Total Hexa-Furans				1.11	10.013	33.555		0.000		422.44		1.12	425
47	Total Hepta-Furans				1.13	10.013	37.835		0.000		1162.7		1.39	1160

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Name: 200605D1_9, Date: 05-Jun-2020, Time: 18:22:38, ID: 2000996-04 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Qty	Resp	Conc	EWPC	DI
Total Tetra-Dioxins	22.90	3.911e3	5.708e3	3.606e2	4.683e2	0.77	NO	8.288e2	3.8545	3.8545	0.710
Total Tetra-Dioxins	23.25	3.272e3	2.865e3	2.361e2	2.955e2	0.80	NO	5.316e2	2.4723	2.4723	0.710
Total Tetra-Dioxins	23.62	1.941e3	3.703e3	1.548e2	1.888e2	0.82	NO	3.436e2	1.5978	1.5978	0.710
Total Tetra-Dioxins	24.34	1.184e3	1.711e3	5.660e1	1.207e2	0.47	YES	0.000e0	0.00000	0.60508	0.710
Total Tetra-Dioxins	24.61	3.859e3	4.191e3	3.152e2	3.249e2	0.97	YES	0.000e0	0.00000	2.6747	0.710
Total Tetra-Dioxins	24.72	4.679e3	4.251e3	2.929e2	3.199e2	0.92	YES	0.000e0	0.00000	2.6333	0.710
Total Tetra-Dioxins	24.90	1.461e3	3.004e3	1.212e2	1.659e2	0.73	NO	2.872e2	1.3355	1.3355	0.710
Total Tetra-Dioxins	25.15	1.281e3	1.979e3	8.839e1	1.103e2	0.80	NO	1.987e2	0.92399	0.92399	0.710
Total Tetra-Dioxins	25.30	3.374e3	3.603e3	2.466e2	2.659e2	0.93	YES	0.000e0	0.00000	2.1888	0.710
Total Tetra-Dioxins	25.61	2.896e3	3.184e3	1.782e2	2.263e2	0.79	NO	4.045e2	1.8812	1.8812	0.710
Total Tetra-Dioxins	25.97	3.195e3	4.349e3	2.974e2	3.622e2	0.82	NO	6.596e2	3.0675	3.0675	0.710
Total Tetra-Dioxins	26.13	1.876e3	1.996e3	9.309e1	9.693e1	0.96	YES	0.000e0	0.00000	0.79782	0.710
2,3,7,8-TCDD	26.26	2.224e3	3.426e3	1.527e2	1.758e2	0.87	NO	3.285e2	1.5277	1.5277	0.710
Total Tetra-Dioxins	26.56	3.166e3	4.801e3	1.974e2	2.375e2	0.83	NO	4.349e2	2.0224	2.0224	0.710
Total Tetra-Dioxins	27.14	1.278e3	2.043e3	1.280e2	1.501e2	0.85	NO	0.000e0	0.00000	1.2930	0.710

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Qty	Resp	Conc	EWPC	DI
Total Penta-Dioxins	28.66	1.958e4	2.586e4	1.257e3	2.053e3	0.61	NO	3.310e3	15.695	15.695	0.496
Total Penta-Dioxins	29.12	7.744e3	1.482e4	4.510e2	7.981e2	0.57	NO	1.249e3	5.9240	5.9240	0.496
Total Penta-Dioxins	29.56	7.825e3	1.194e4	4.815e2	8.163e2	0.59	NO	1.298e3	6.1545	6.1545	0.496
Total Penta-Dioxins	29.72	4.898e3	1.122e4	3.040e2	5.676e2	0.54	NO	8.717e2	4.1338	4.1338	0.496
Total Penta-Dioxins	29.82	4.598e3	8.903e3	2.602e2	4.783e2	0.54	NO	7.385e2	3.5022	3.5022	0.496
Total Penta-Dioxins	30.02	1.075e4	1.578e4	8.940e2	1.309e3	0.68	NO	2.203e3	10.448	10.448	0.496
Total Penta-Dioxins	30.31	1.913e3	3.716e3	1.101e2	2.227e2	0.49	YES	0.000e0	0.00000	1.3504	0.496
1,2,3,7,8-PeCDD	30.71	4.962e3	7.732e3	2.785e2	4.455e2	0.63	NO	7.240e2	3.4336	3.4336	0.496
Total Penta-Dioxins	30.77	3.859e3	4.820e3	2.298e2	2.810e2	0.82	YES	0.000e0	0.00000	2.1723	0.496
Total Penta-Dioxins	31.07	2.061e3	5.486e3	1.209e2	2.440e2	0.50	YES	0.000e0	0.00000	1.4840	0.496

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Name: 200605D1_9, Date: 05-Jun-2020, Time: 18:22:38, ID: 2000996-04 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	IS	RF	Area	Area	RF
Total Hexa-Dioxins	32.47	7.682e5	6.064e5	3.461e4	2.748e4	1.26	NO	6.210e4	308.97	308.97	1.18
Total Hexa-Dioxins	33.03	7.205e4	5.965e4	3.560e3	2.780e3	1.28	NO	6.340e3	31.546	31.546	1.18
Total Hexa-Dioxins	33.29	4.309e5	3.337e5	2.834e4	2.272e4	1.25	NO	5.106e4	254.06	254.06	1.18
Total Hexa-Dioxins	33.41	6.266e4	4.881e4	3.504e3	2.700e3	1.30	NO	6.204e3	30.868	30.868	1.18
1,2,3,4,7,8-HxCDD	33.99	1.111e4	8.355e3	6.096e2	4.574e2	1.33	NO	1.067e3	4.9335	4.9335	1.03
1,2,3,6,7,8-HxCDD	34.10	9.509e4	7.861e4	5.449e3	4.528e3	1.20	NO	9.977e3	45.586	45.586	1.13
Total Hexa-Dioxins	34.29	2.983e4	2.562e4	1.790e3	1.388e3	1.29	NO	3.178e3	15.812	15.812	1.18
1,2,3,7,8,9-HxCDD	34.40	2.309e4	1.622e4	1.362e3	1.025e3	1.33	NO	2.388e3	12.765	12.765	1.28

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	IS	RF	Area	Area	RF
Total Hepta-Dioxins	37.00	7.436e6	7.167e6	4.687e5	4.512e5	1.04	NO	9.200e5	6092.5	6092.5	4.58
1,2,3,4,6,7,8-HpCDD	37.87	5.580e6	5.325e6	3.107e5	3.020e5	1.03	NO	6.127e5	4057.5	4057.5	4.58

Vista Analytical Laboratory

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Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	QY	Resp	Comp	EMF	DL
Total Tetra-Furans	20.81	1.371e3	1.217e3	1.065e2	8.410e1	1.27	YES	0.000e0	0.00000	0.62618	0.829
Total Tetra-Furans	21.30	6.279e3	8.692e3	5.809e2	7.043e2	0.82	NO	1.285e3	5.4059	5.4059	0.829
Total Tetra-Furans	21.74	1.665e3	1.100e3	9.191e1	9.444e1	0.97	YES	0.000e0	0.00000	0.70310	0.829
Total Tetra-Furans	21.95	2.873e4	3.579e4	2.797e3	3.563e3	0.79	NO	6.360e3	26.753	26.753	0.829
Total Tetra-Furans	22.44	3.962e3	3.544e3	3.668e2	3.870e2	0.95	YES	0.000e0	0.00000	2.8815	0.829
Total Tetra-Furans	22.49	2.940e3	3.865e3	2.876e2	7.404e2	0.39	YES	0.000e0	0.00000	2.7805	0.829
Total Tetra-Furans	22.87	1.684e4	1.886e4	1.446e3	1.761e3	0.82	NO	3.207e3	13.491	13.491	0.829
Total Tetra-Furans	23.28	9.923e3	1.246e4	9.536e2	1.180e3	0.81	NO	2.133e3	8.9743	8.9743	0.829
Total Tetra-Furans	23.41	1.709e3	2.004e3	1.237e2	1.469e2	0.84	NO	2.706e2	1.1382	1.1382	0.829
Total Tetra-Furans	23.57	8.718e3	9.469e3	2.949e2	3.881e2	0.76	NO	6.830e2	2.8730	2.8730	0.829
Total Tetra-Furans	23.99	5.449e3	8.002e3	3.698e2	5.006e2	0.74	NO	8.704e2	3.6611	3.6611	0.829
Total Tetra-Furans	24.12	1.407e4	1.591e4	1.084e3	1.507e3	0.72	NO	2.591e3	10.898	10.898	0.829
Total Tetra-Furans	24.22	1.154e4	1.699e4	8.905e2	1.125e3	0.79	NO	2.016e3	8.4799	8.4799	0.829
Total Tetra-Furans	24.67	1.463e5	2.023e5	6.639e3	8.633e3	0.77	NO	1.527e4	64.236	64.236	0.829
Total Tetra-Furans	24.86	3.209e3	5.261e3	2.626e2	3.656e2	0.72	NO	6.282e2	2.6425	2.6425	0.829
Total Tetra-Furans	25.04	3.910e3	5.731e3	2.581e2	3.732e2	0.69	NO	6.314e2	2.6558	2.6558	0.829
Total Tetra-Furans	25.25	3.478e3	3.733e3	1.766e2	2.454e2	0.72	NO	4.219e2	1.7749	1.7749	0.829
Total Tetra-Furans	25.35	1.399e4	1.962e4	9.242e2	1.285e3	0.72	NO	2.209e3	9.2917	9.2917	0.829
2,3,7,8-TCDF	25.44	9.971e4	1.292e5	6.522e3	8.455e3	0.77	NO	1.498e4	62.998	62.998	0.829
Total Tetra-Furans	25.77	1.099e4	1.217e4	5.795e2	7.634e2	0.76	NO	1.343e3	5.6489	5.6489	0.829
Total Tetra-Furans	26.26	3.897e3	5.836e3	2.189e2	2.718e2	0.81	NO	4.907e2	2.0641	2.0641	0.829
Total Tetra-Furans	26.77	1.405e4	1.470e4	9.873e2	1.185e3	0.83	NO	2.172e3	9.1366	9.1366	0.829
Total Tetra-Furans	26.95	1.676e4	1.812e4	1.173e3	1.438e3	0.82	NO	2.611e3	10.982	10.982	0.829

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	QY	Resp	Comp	EMF	DL
1st Func. Penta-Furans	27.40	1.493e5	9.548e4	8.482e3	5.499e3	1.54	NO	1.398e4	43.910	43.910	0.202

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Penta-Furans

Peak	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Ratio	Label	Area	Height	Area	Height
Total Penta-Furans	28.50	1.370e4	6.697e3	8.063e2	4.697e2	1.72	NO	1.276e3	4.0077	4.0077	0.337
Total Penta-Furans	28.62	1.476e5	9.321e4	9.282e3	6.242e3	1.49	NO	1.552e4	48.759	48.759	0.337
Total Penta-Furans	29.16	4.764e4	3.272e4	2.972e3	1.937e3	1.53	NO	4.909e3	15.419	15.419	0.337
Total Penta-Furans	29.38	2.997e4	1.822e4	1.506e3	9.978e2	1.51	NO	2.504e3	7.8642	7.8642	0.337
1,2,3,7,8-PeCDF	29.56	2.509e5	1.563e5	1.227e4	7.860e3	1.56	NO	2.013e4	64.217	64.217	0.362
Total Penta-Furans	29.78	1.153e5	7.812e4	5.704e3	3.923e3	1.45	NO	9.627e3	30.236	30.236	0.337
Total Penta-Furans	30.33	7.538e3	2.884e3	3.803e2	1.839e2	2.07	YES	0.000e0	0.00000	1.4728	0.337
2,3,4,7,8-PeCDF	30.43	1.239e5	8.270e4	5.374e3	3.635e3	1.48	NO	9.010e3	27.475	27.475	0.309
Total Penta-Furans	30.45	1.068e5	6.935e4	3.070e3	1.965e3	1.56	NO	5.034e3	15.812	15.812	0.337
Total Penta-Furans	31.29	1.022e4	5.347e3	5.662e2	2.980e2	1.90	YES	0.000e0	0.00000	2.3864	0.337

Hexa-Furans

Peak	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Ratio	Label	Area	Height	Area	Height
Total Hexa-Furans	31.93	6.194e3	4.136e3	4.534e2	3.159e2	1.44	YES	0.000e0	0.00000	2.7566	1.12
Total Hexa-Furans	32.05	6.757e4	5.856e4	2.466e3	2.040e3	1.21	NO	4.506e3	17.551	17.551	1.12
Total Hexa-Furans	32.14	3.185e5	2.566e5	1.043e4	8.217e3	1.27	NO	1.865e4	72.649	72.649	1.12
Total Hexa-Furans	32.45	3.731e3	3.175e3	1.999e2	1.602e2	1.25	NO	3.602e2	1.4029	1.4029	1.12
Total Hexa-Furans	32.63	4.589e5	3.637e5	2.054e4	1.636e4	1.26	NO	3.691e4	143.76	143.76	1.12
Total Hexa-Furans	33.02	6.018e3	4.318e3	3.021e2	2.286e2	1.32	NO	5.307e2	2.0671	2.0671	1.12
1,2,3,4,7,8-HxCDF	33.12	3.466e5	2.958e5	1.814e4	1.528e4	1.19	NO	3.342e4	123.40	123.40	1.01
1,2,3,6,7,8-HxCDF	33.22	9.001e4	7.357e4	4.740e3	3.914e3	1.21	NO	8.653e3	31.594	31.594	0.970
2,3,4,6,7,8-HxCDF	33.82	3.323e4	3.022e4	1.895e3	1.635e3	1.16	NO	3.530e3	14.440	14.440	1.17
1,2,3,7,8,9-HxCDF	34.78	2.144e4	1.977e4	6.223e2	4.784e2	1.30	NO	1.101e3	5.4410	5.4410	1.60
Total Hexa-Furans	34.79	3.188e4	2.469e4	1.466e3	1.137e3	1.29	NO	2.602e3	10.137	10.137	1.12

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_9.qld

Last Altered: Wednesday, July 08, 2020 13:38:16 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 13:38:36 Pacific Daylight Time

Name: 200605D1_9, Date: 05-Jun-2020, Time: 18:22:38, ID: 2000996-04 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428

Hepta-Furans

Name	Area	m1 Height	m2 Height	m1 Resp	m2 Resp	Ratio	NO	Area	Area	Area	
1,2,3,4,6,7,8-HpCDF	36.60	4.233e5	4.049e5	2.860e4	2.753e4	1.04	NO	5.613e4	282.93	282.93	1.24
Total Hepta-Furans	37.00	6.874e3	5.885e3	4.100e2	3.634e2	1.13	NO	7.733e2	4.6578	4.6578	1.39
Total Hepta-Furans	37.20	1.240e6	1.143e6	7.147e4	6.902e4	1.04	NO	1.405e5	846.17	846.17	1.39
1,2,3,4,7,8,9-HpCDF	38.39	3.946e4	3.766e4	2.252e3	2.318e3	0.97	NO	4.570e3	28.932	28.932	1.36

1
2
1

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_9.qld

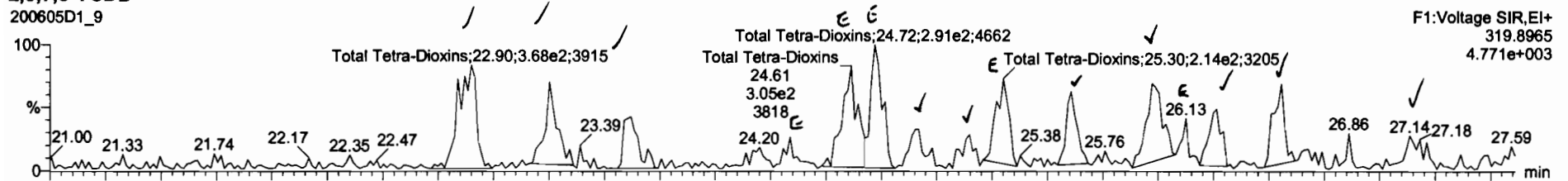
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Printed: Tuesday, June 09, 2020 15:38:23 Pacific Daylight Time

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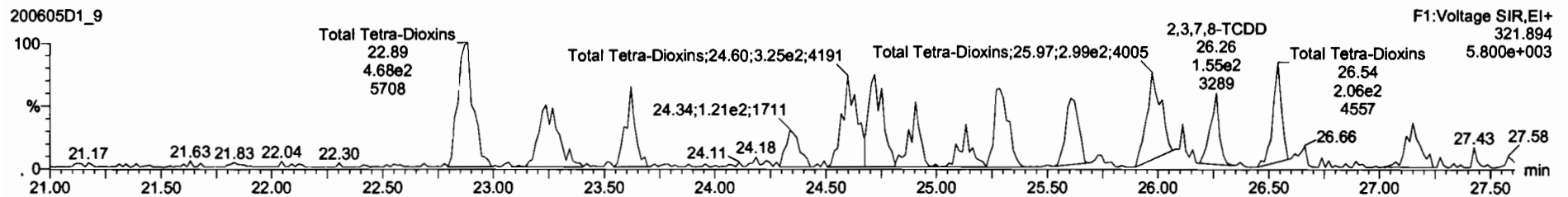
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2,3,7,8-TCDD

200605D1_9

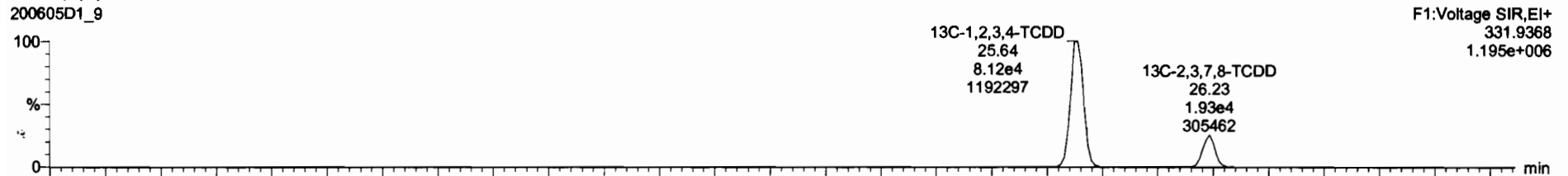


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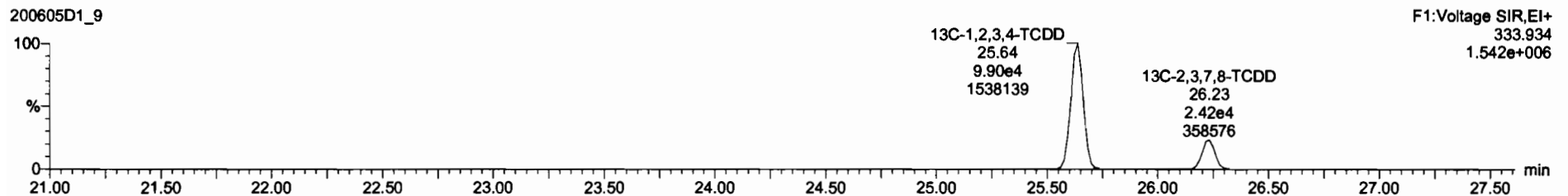


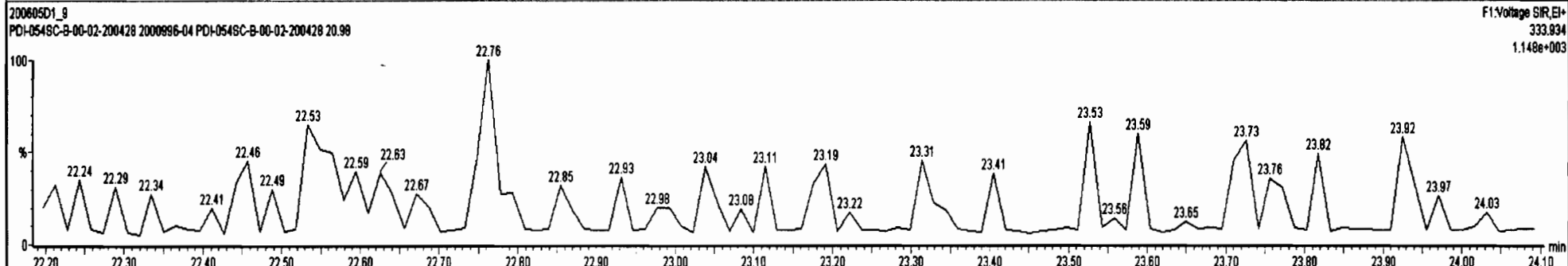
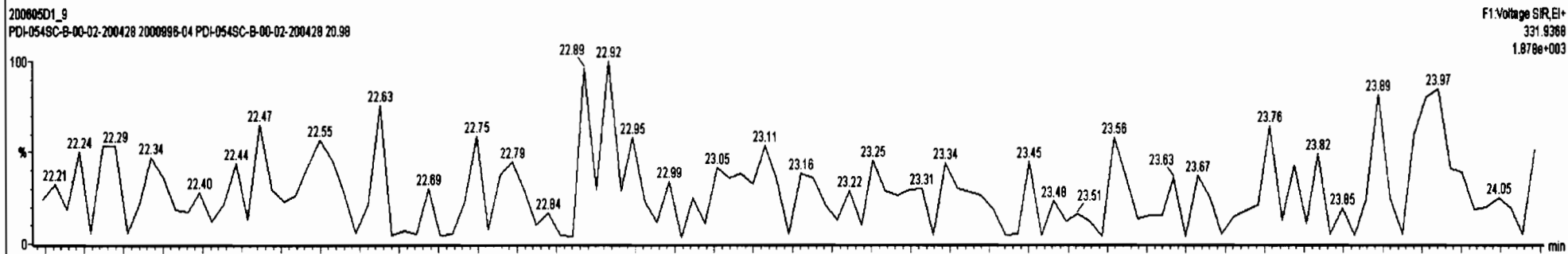
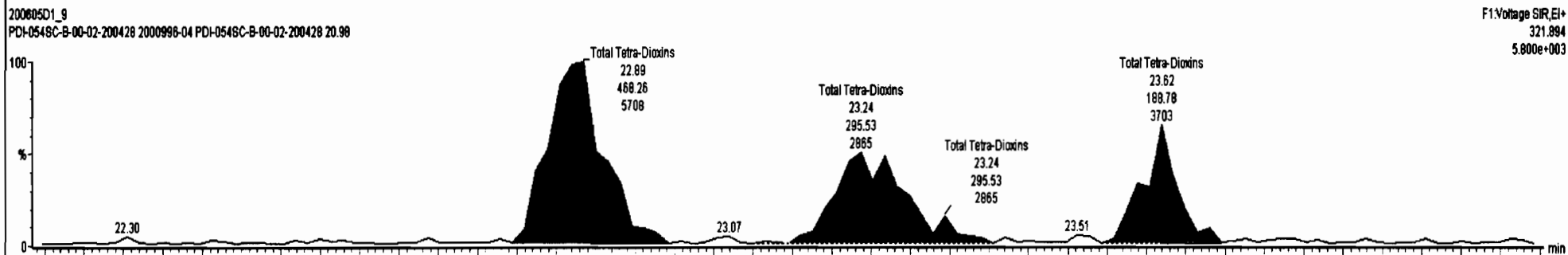
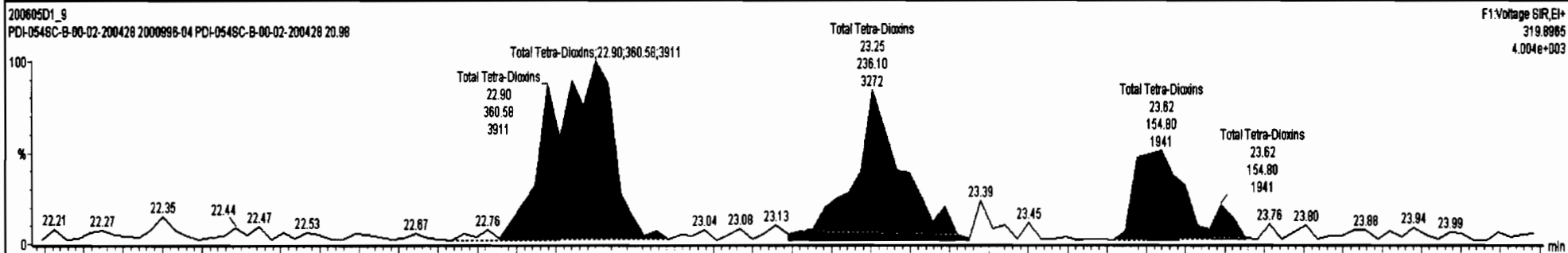
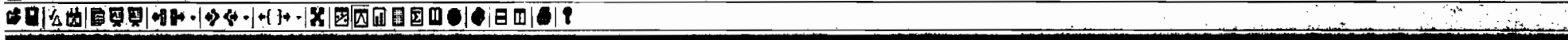
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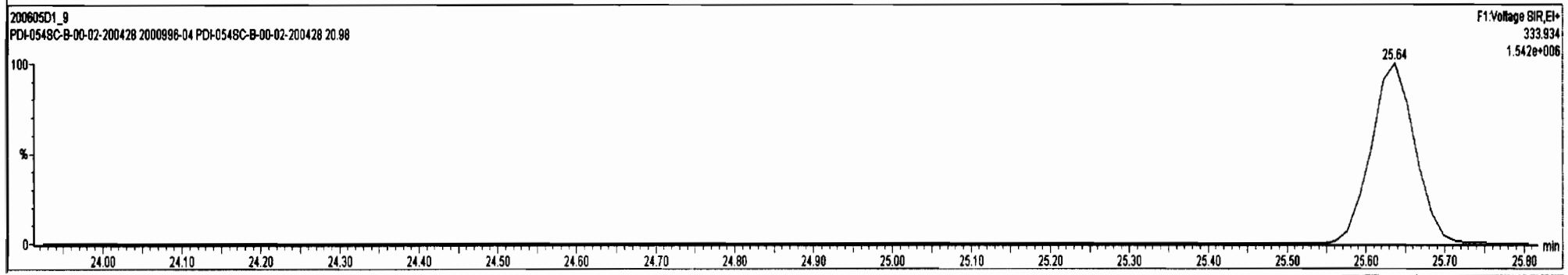
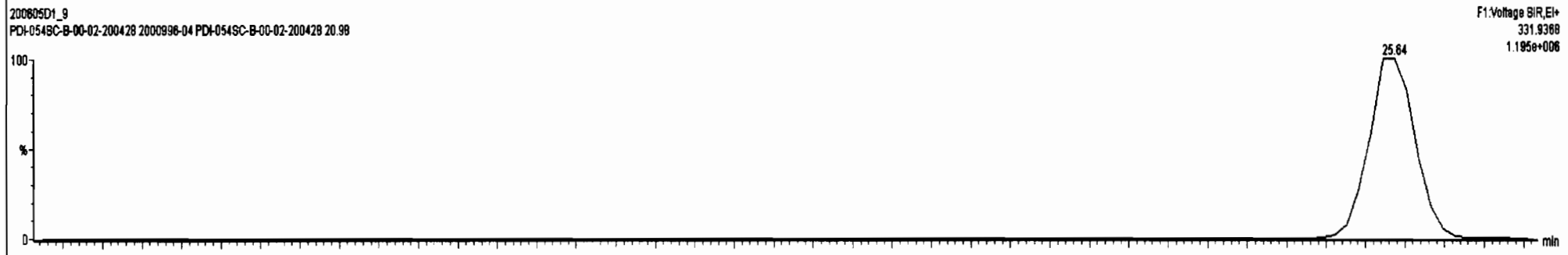
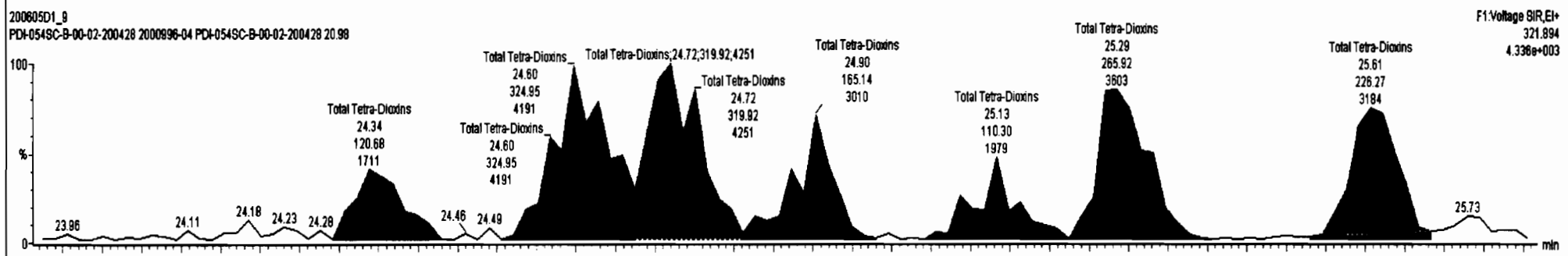
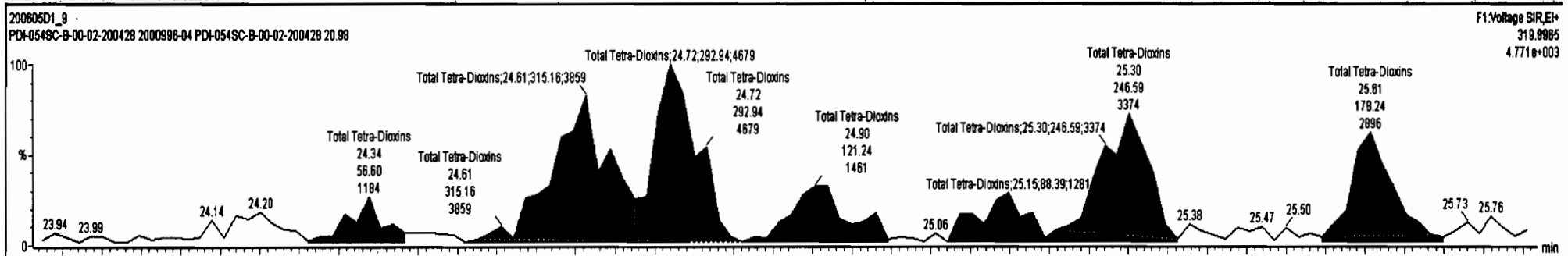
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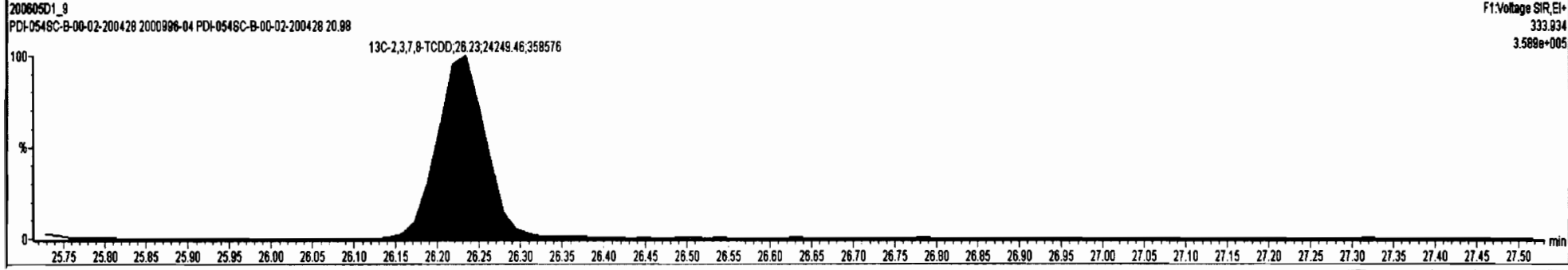
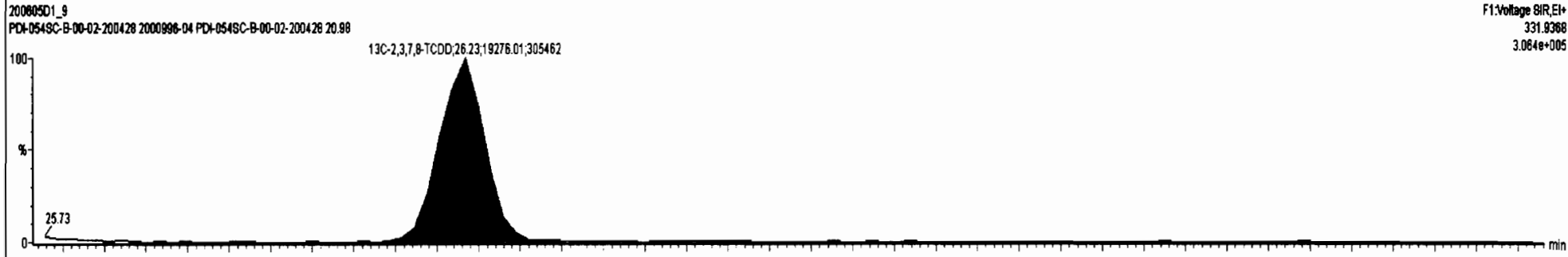
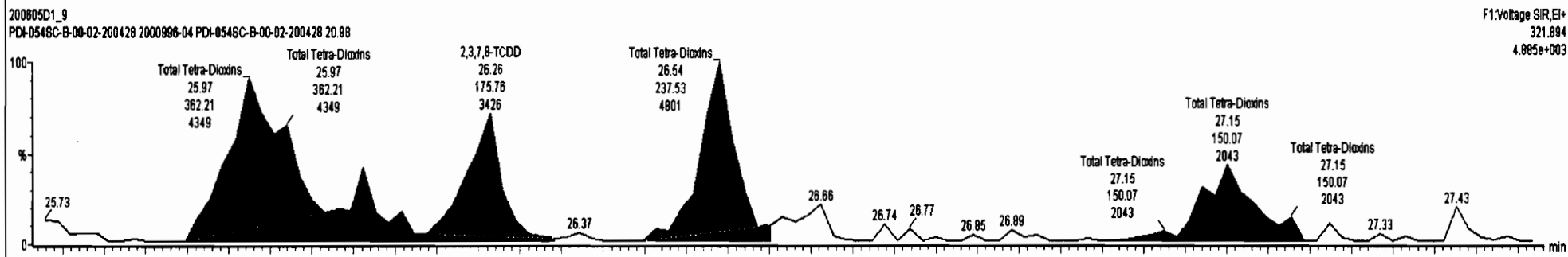
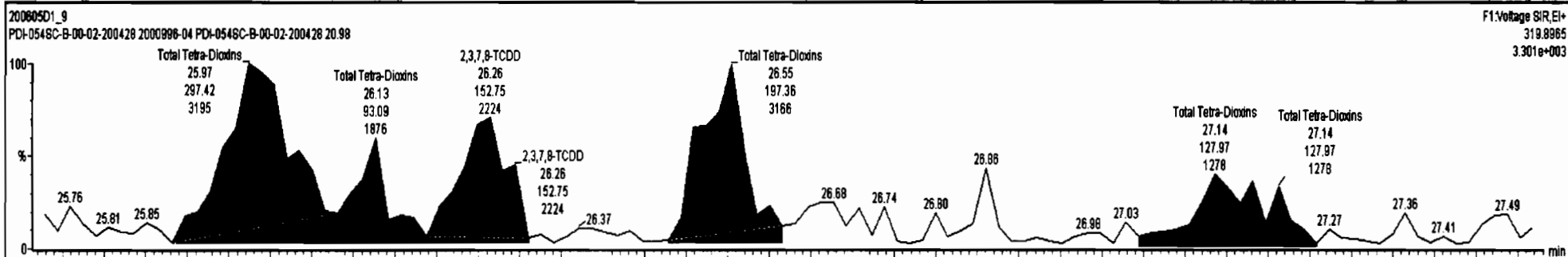


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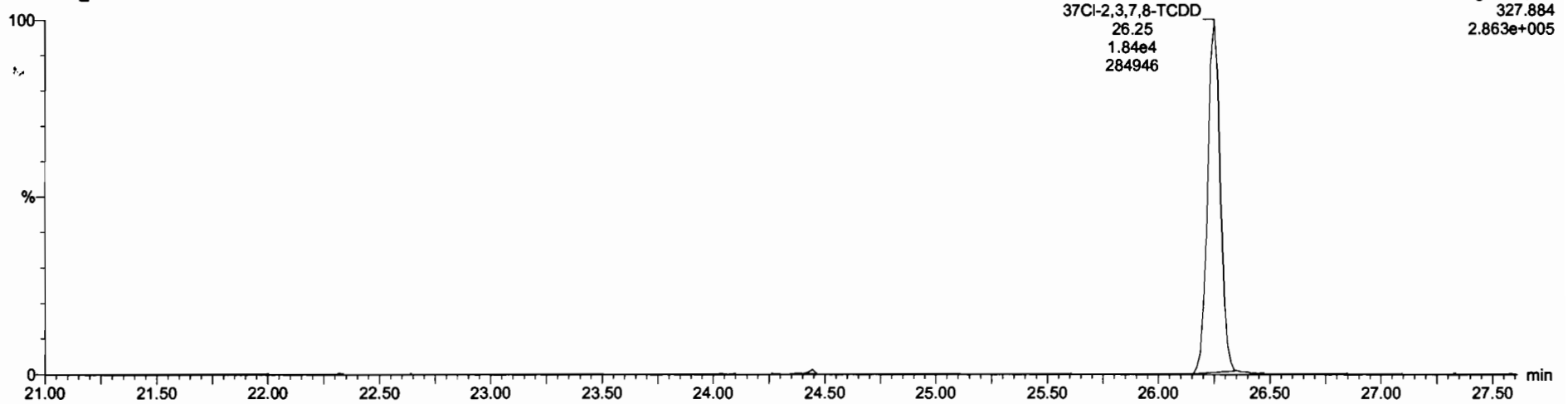
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Name: 200605D1_9, Date: 05-Jun-2020, Time: 18:22:38, ID: 2000996-04 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428

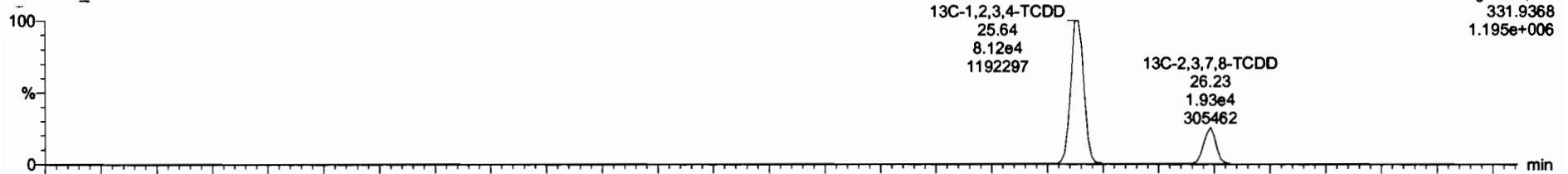
37Cl-2,3,7,8-TCDD

200605D1_9

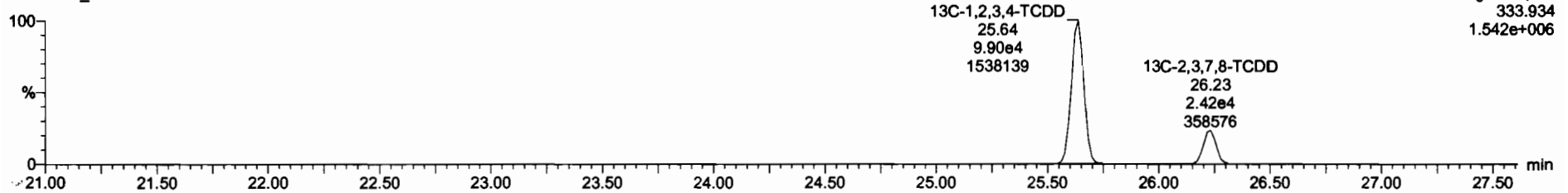


13C-1,2,3,4-TCDD

200605D1_9



200605D1_9



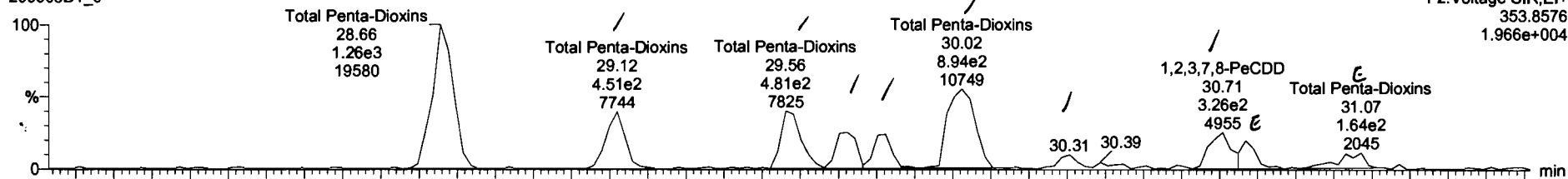
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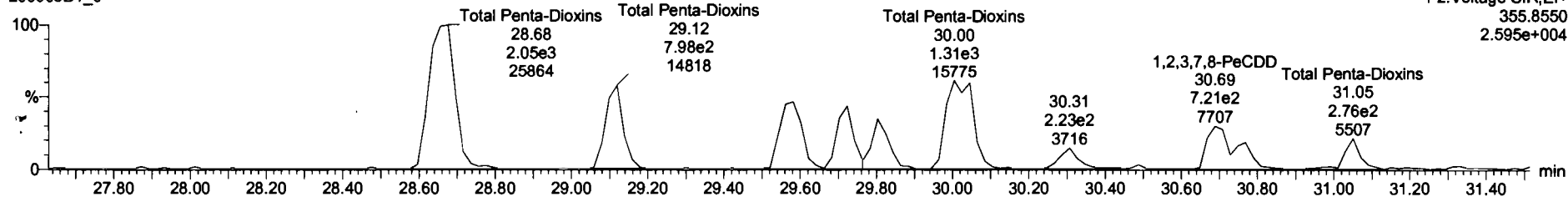
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1,2,3,7,8-PeCDD

200605D1_9

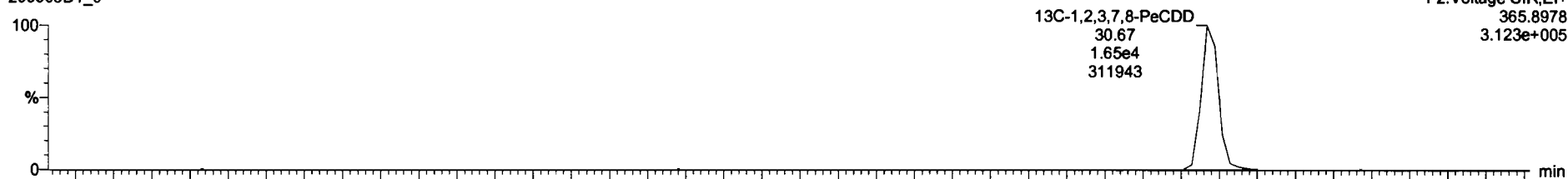


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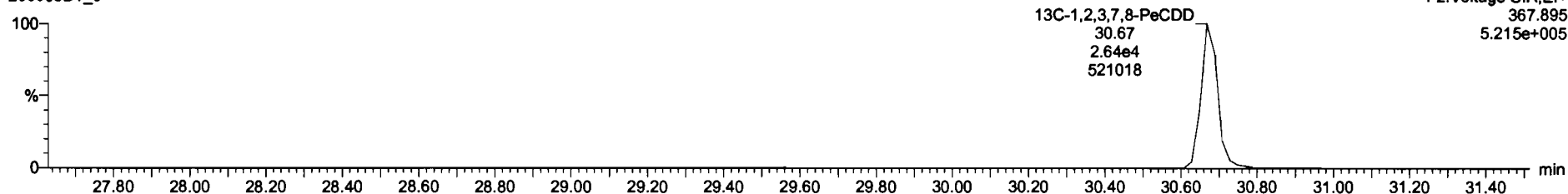


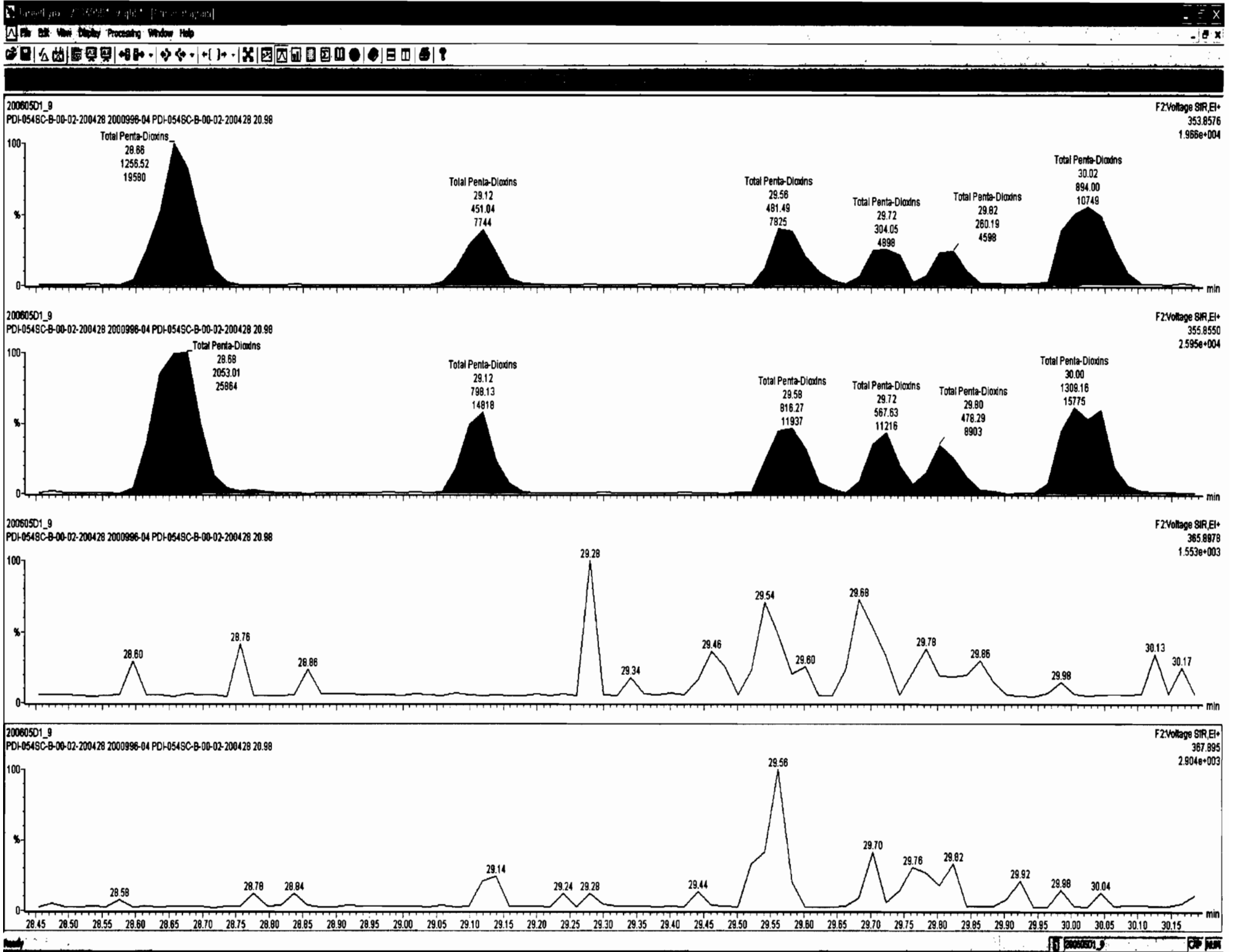
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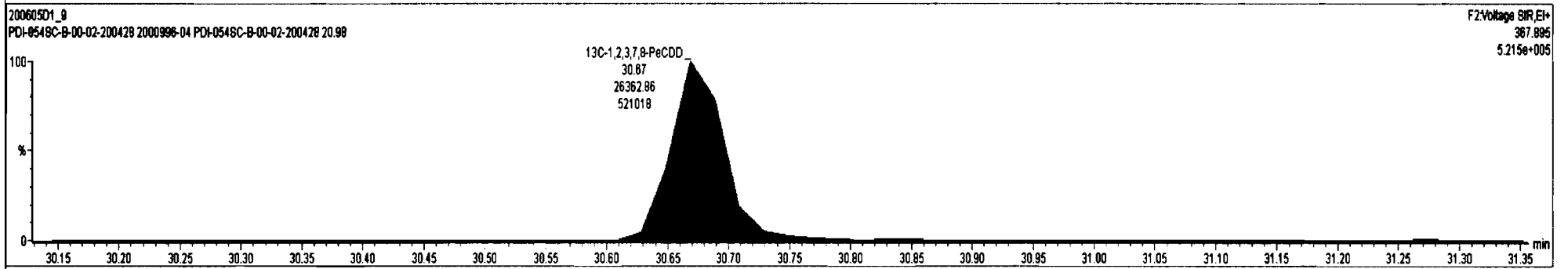
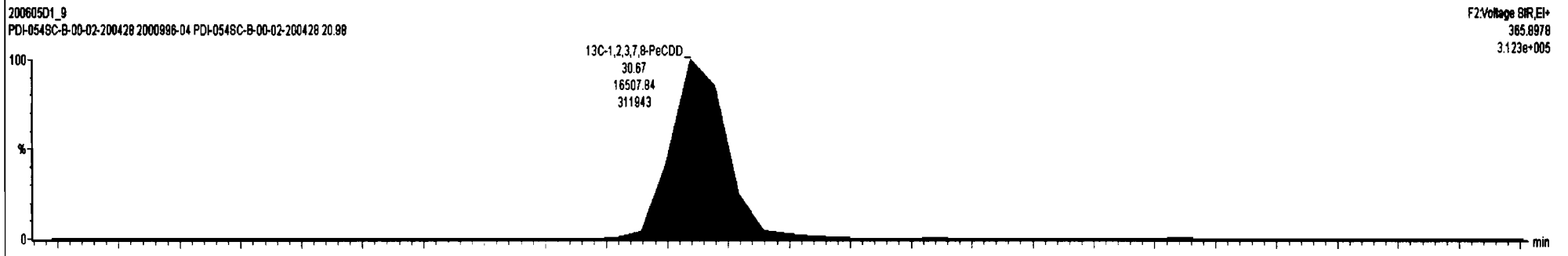
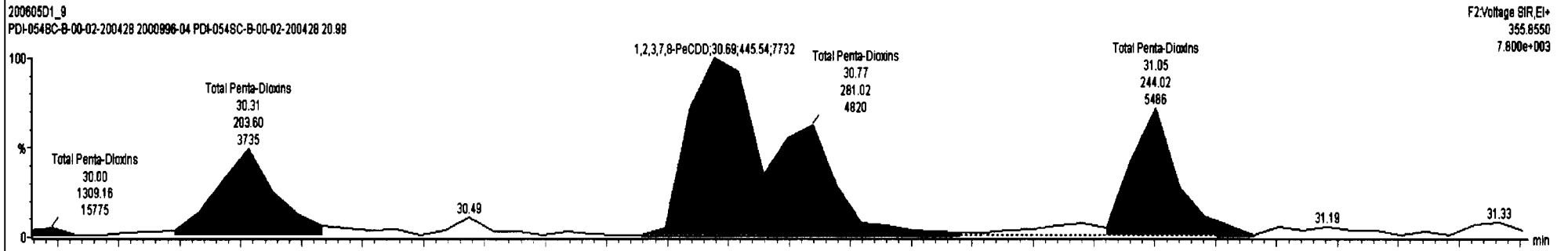
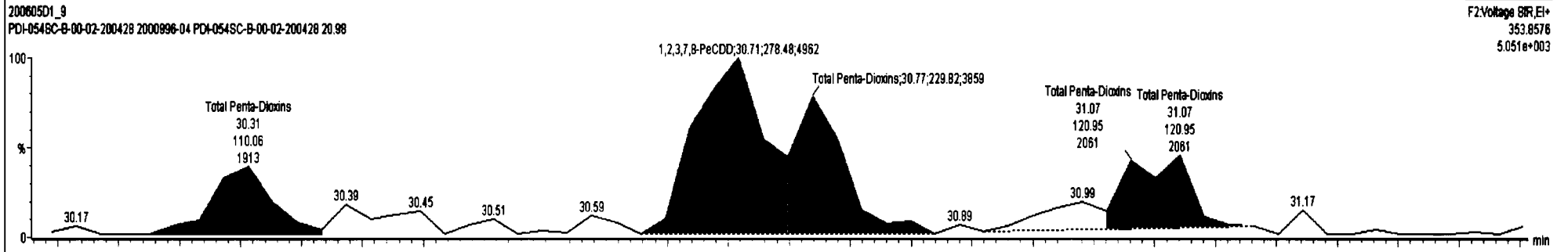
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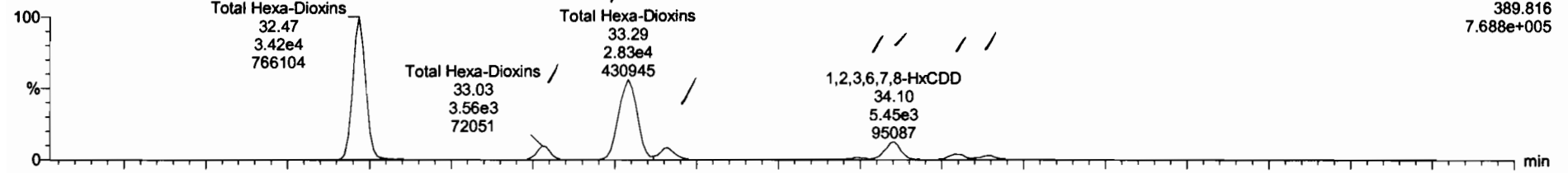
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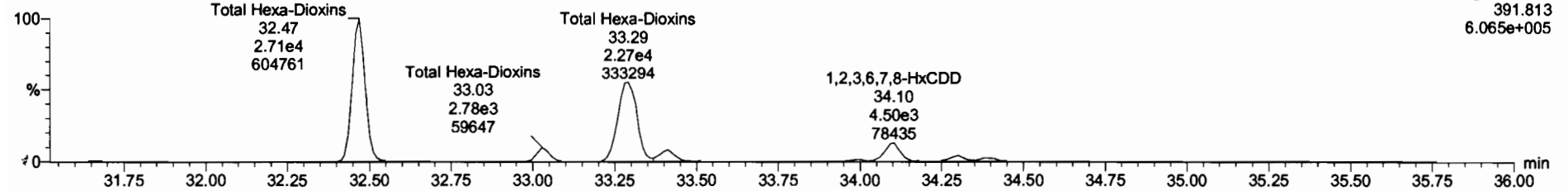
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1,2,3,4,7,8-HxCDD

200605D1_9

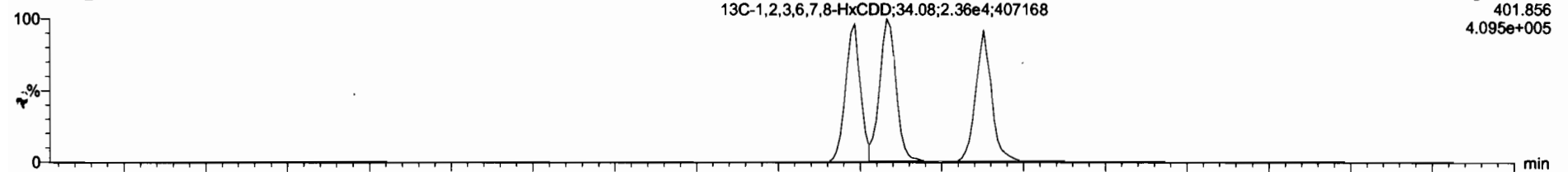


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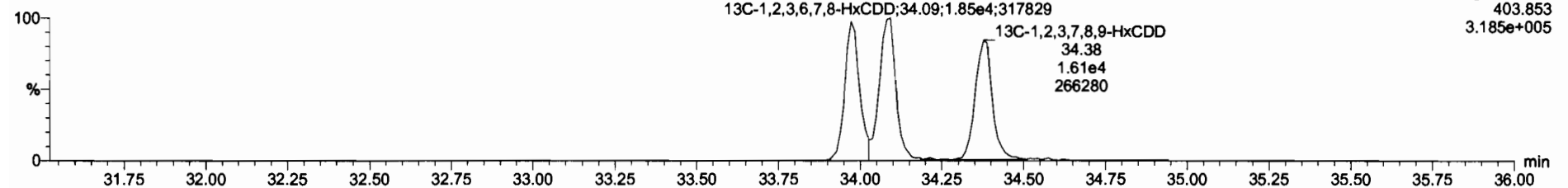


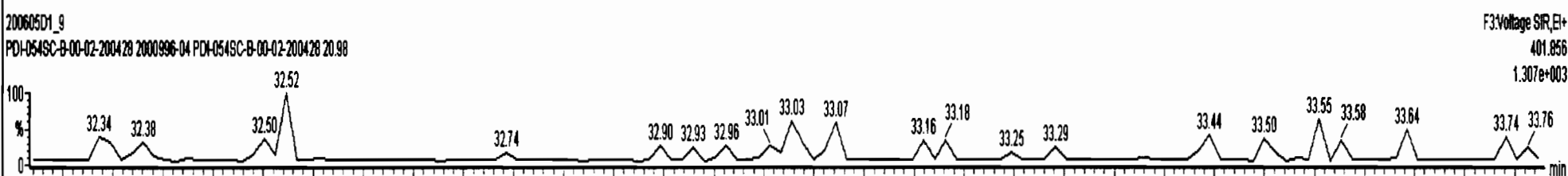
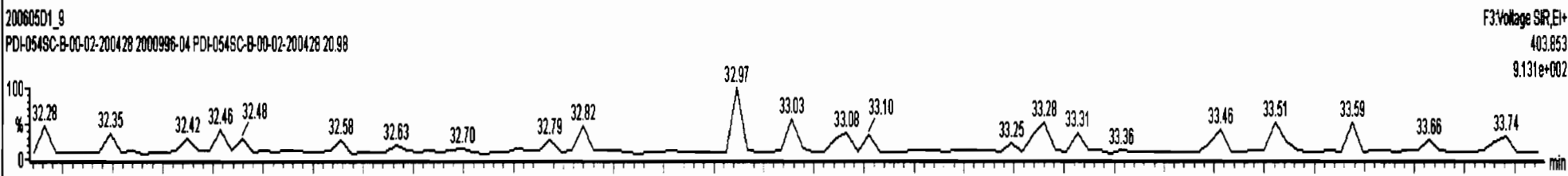
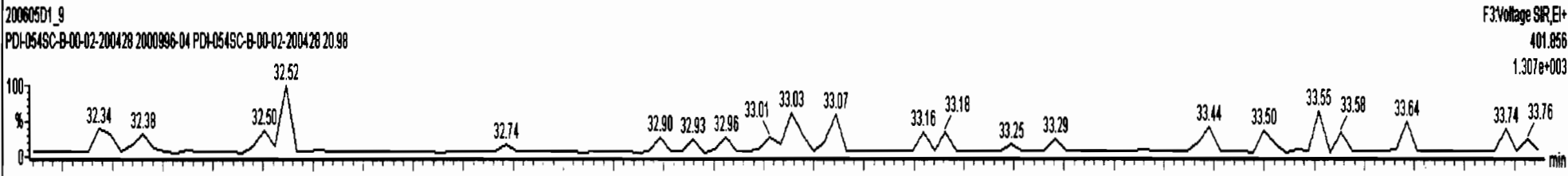
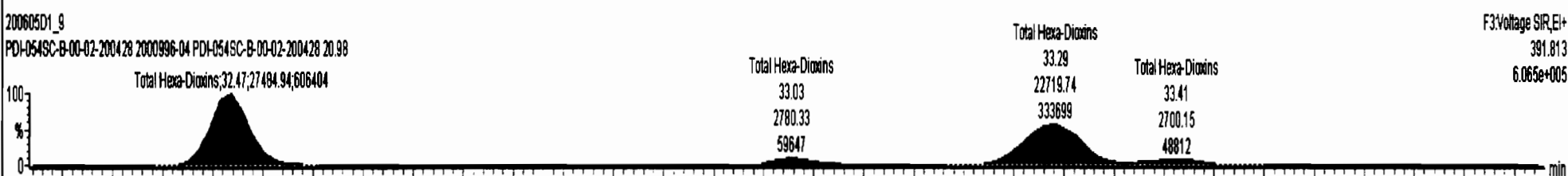
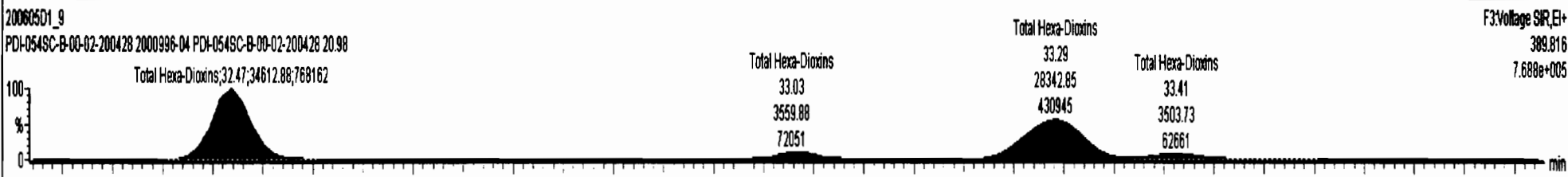
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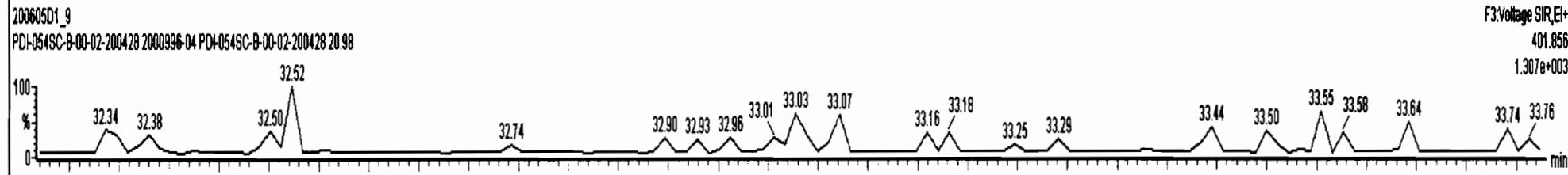
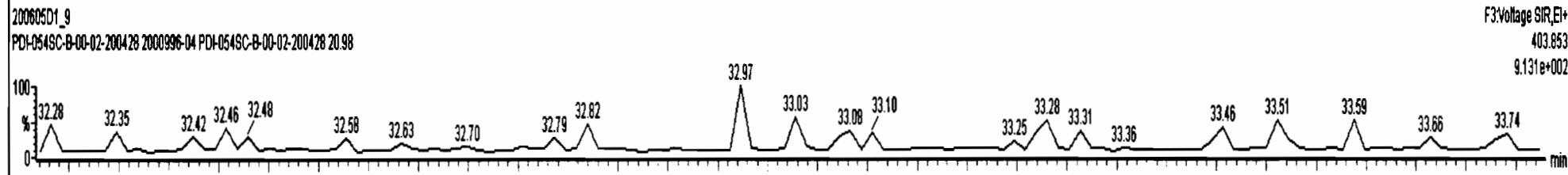
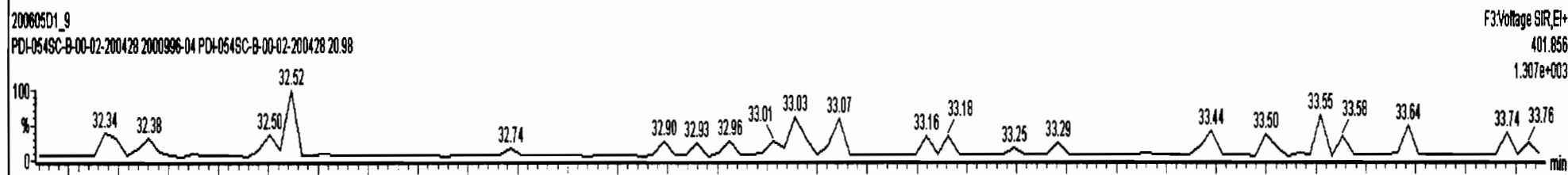
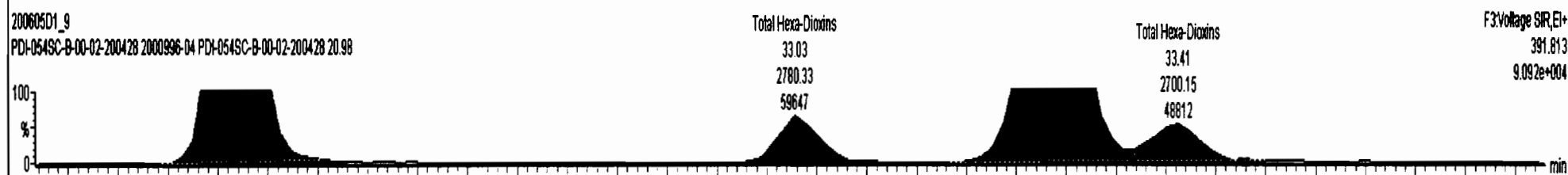
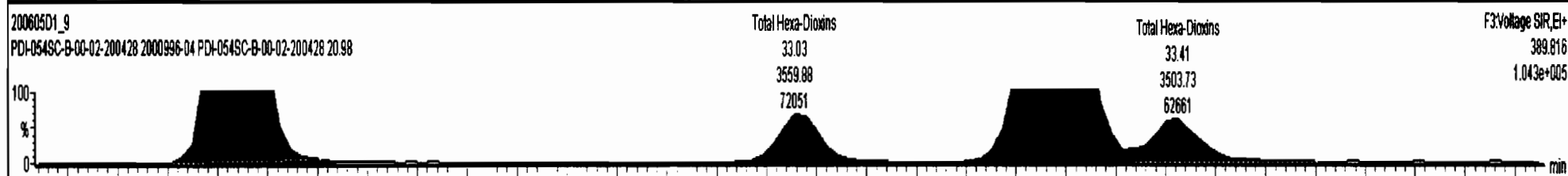
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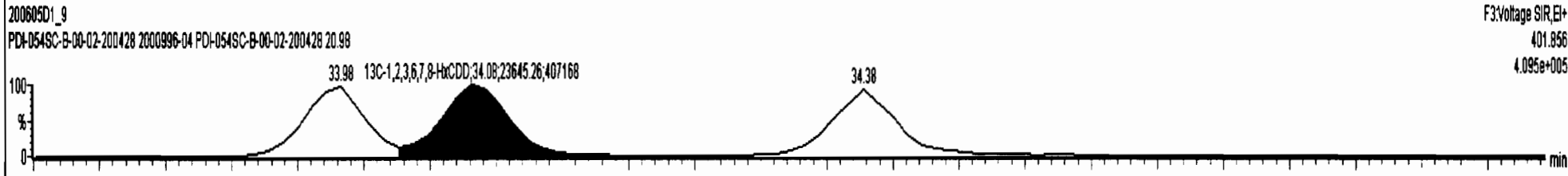
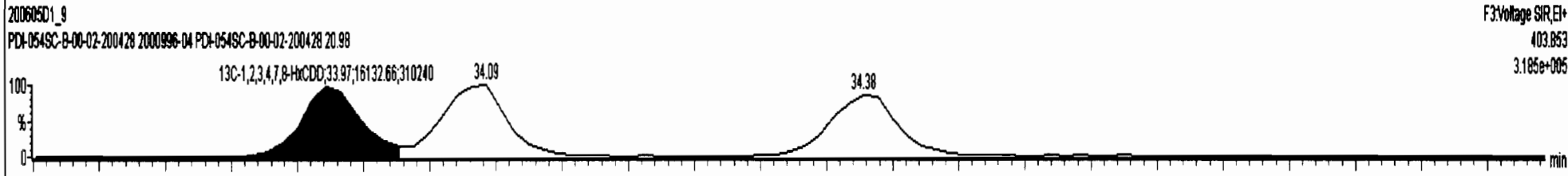
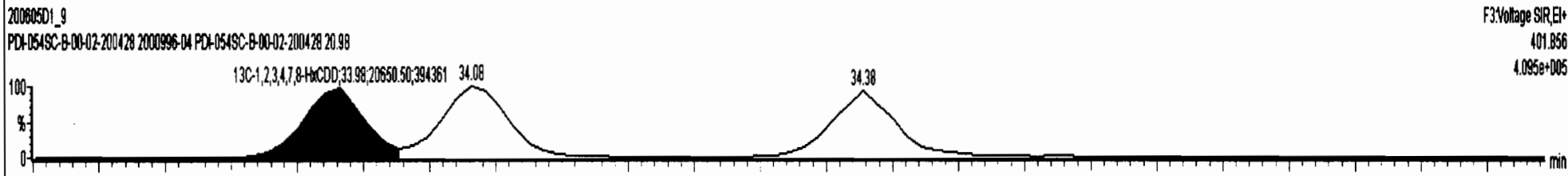
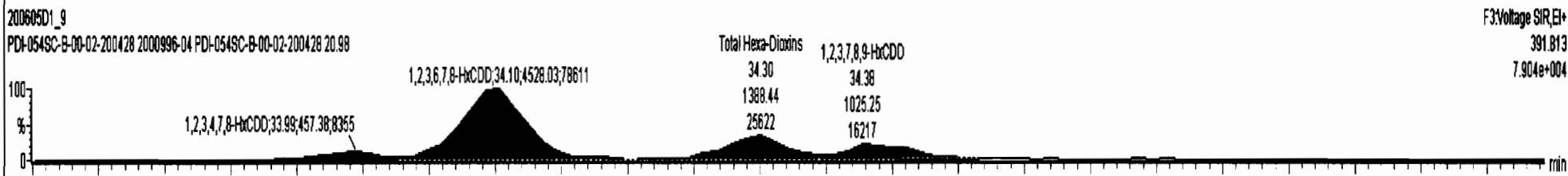
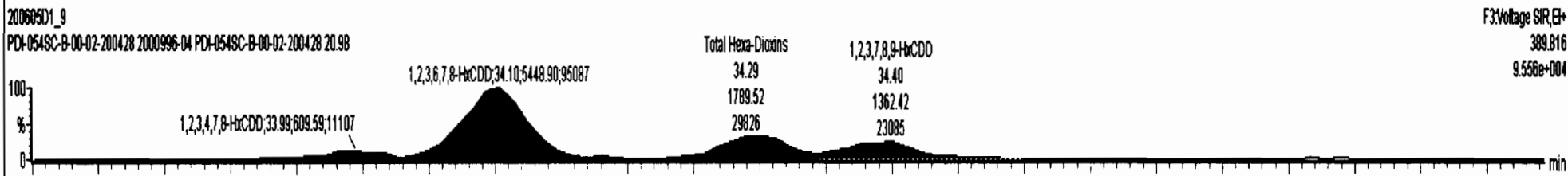


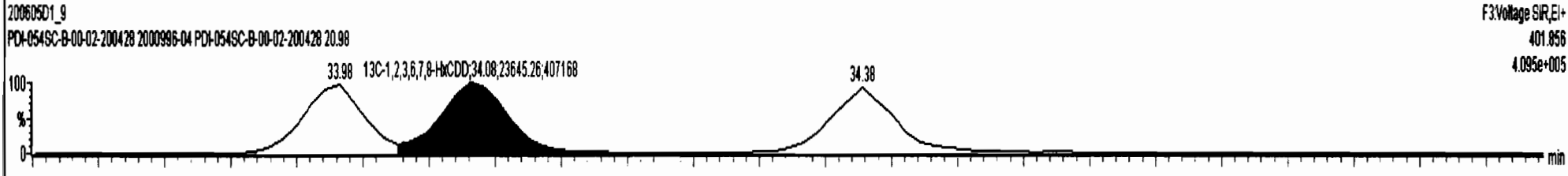
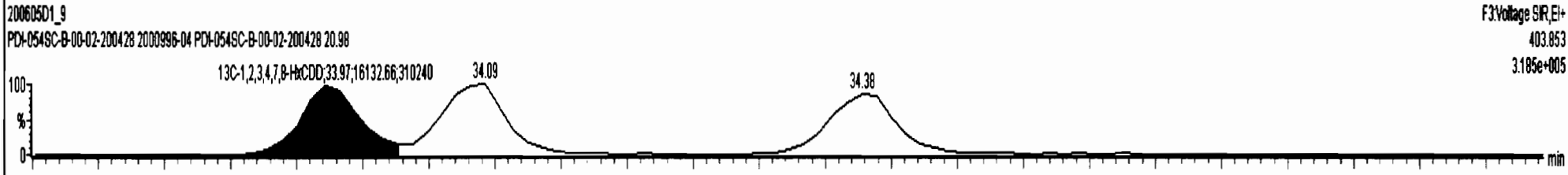
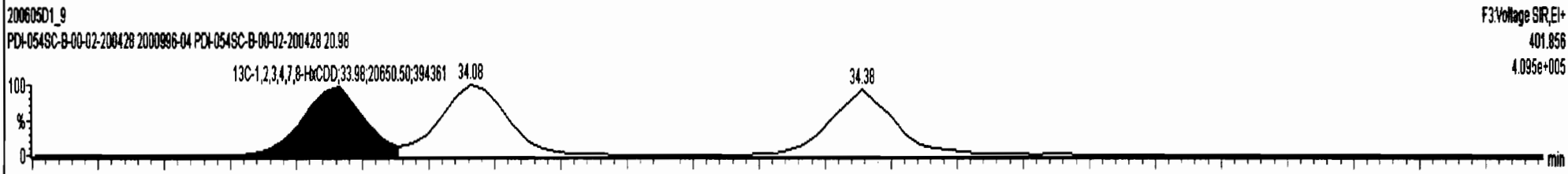
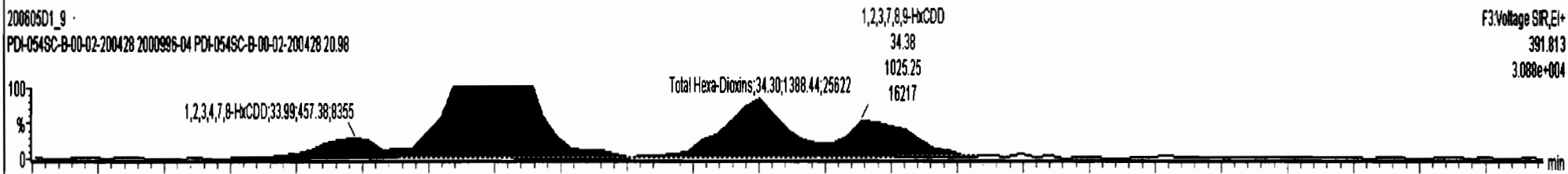
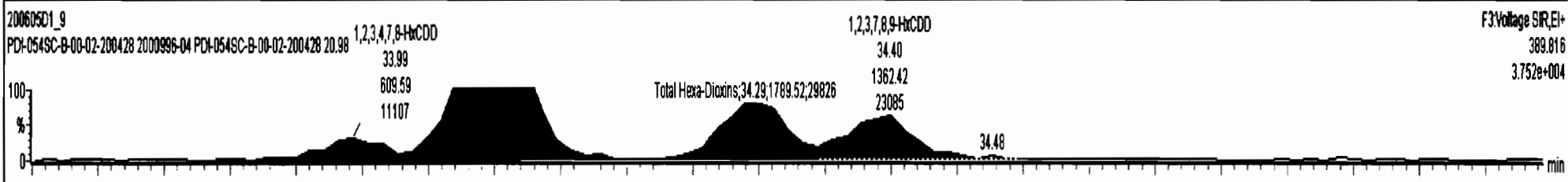
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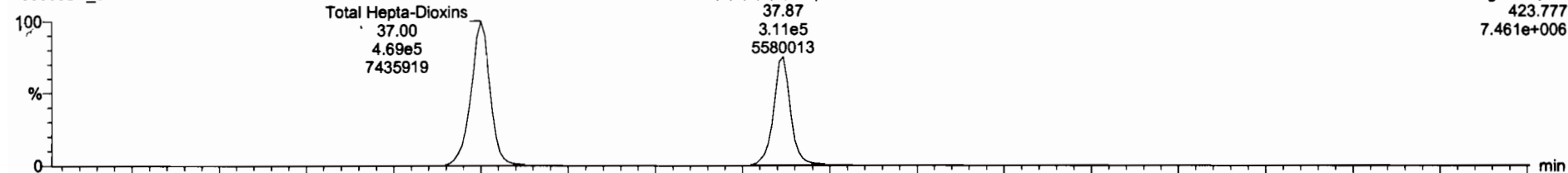
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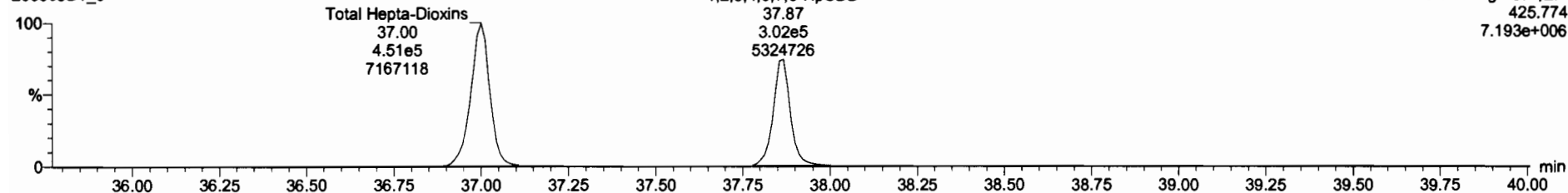
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1,2,3,4,6,7,8-HpCDD

200605D1_9

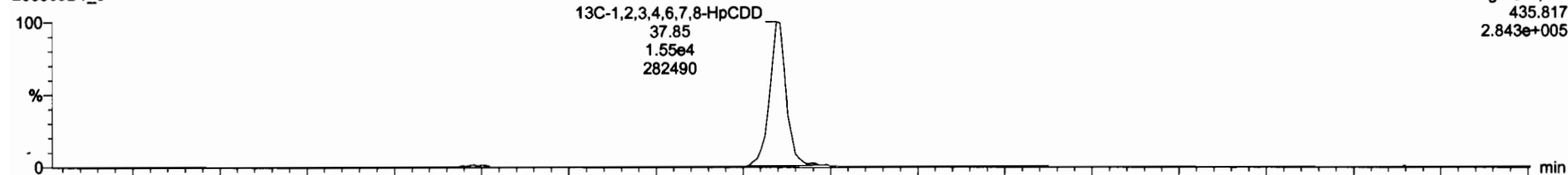


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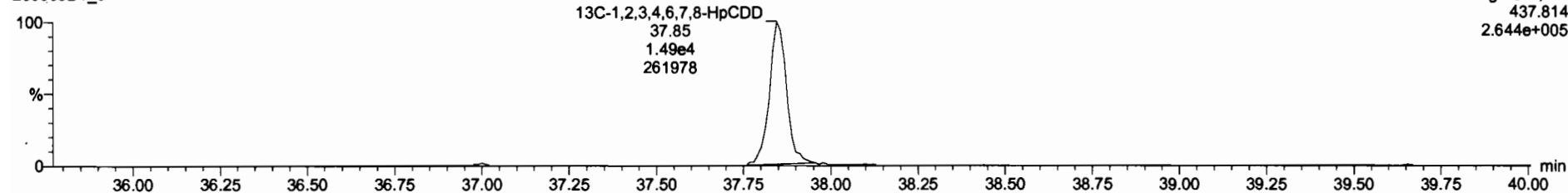


13C-1,2,3,4,6,7,8-HpCDD

200605D1_9



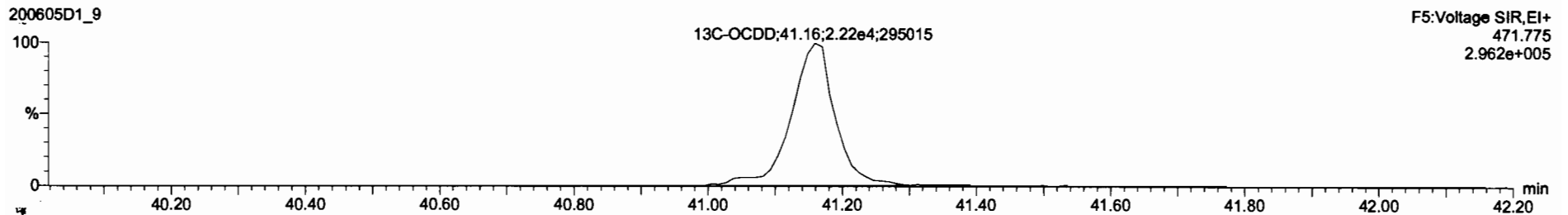
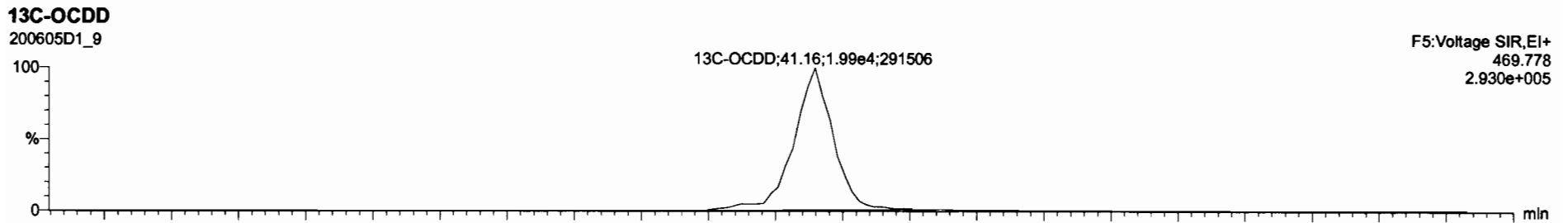
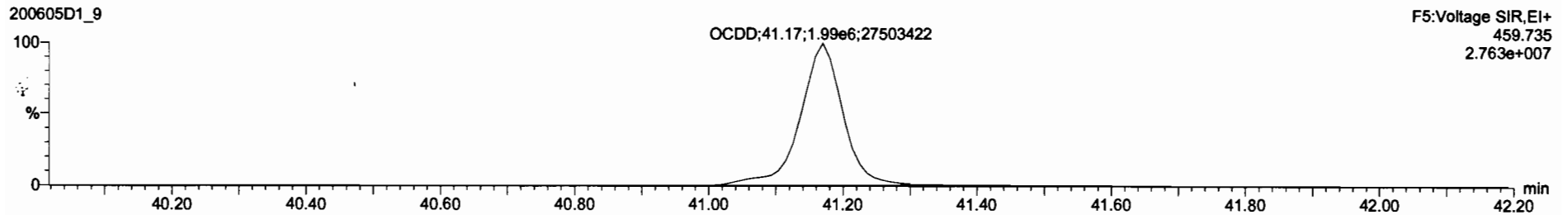
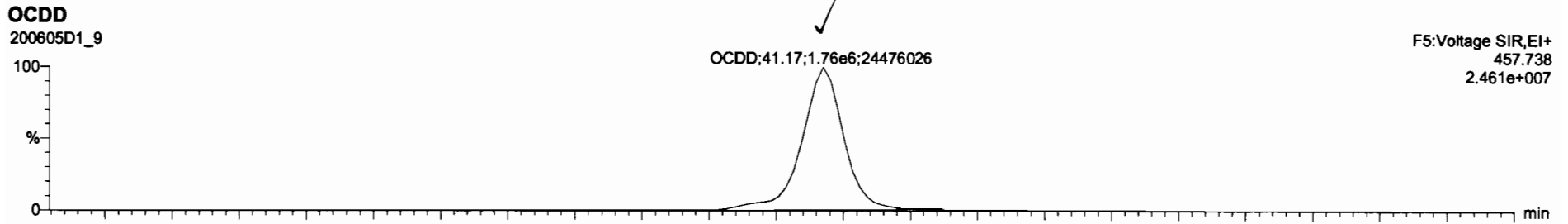
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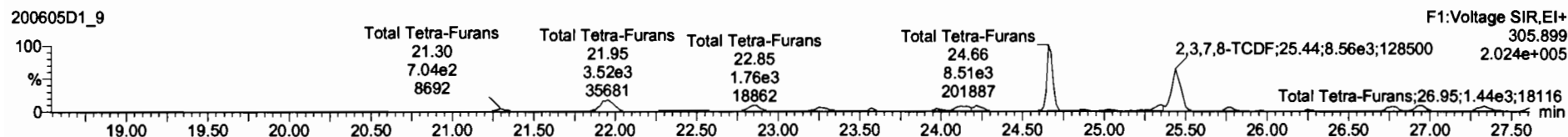
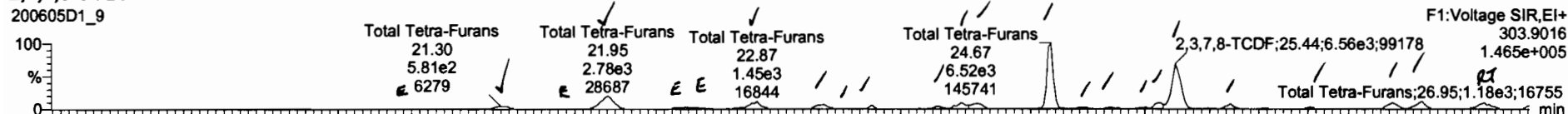


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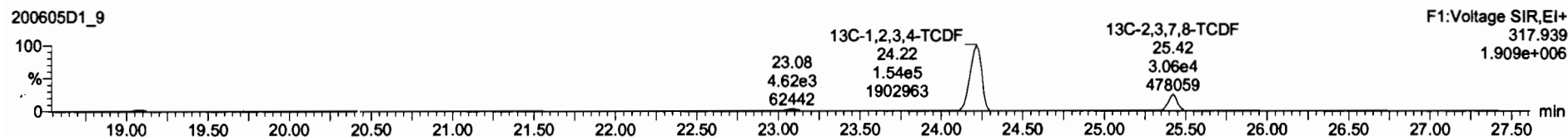
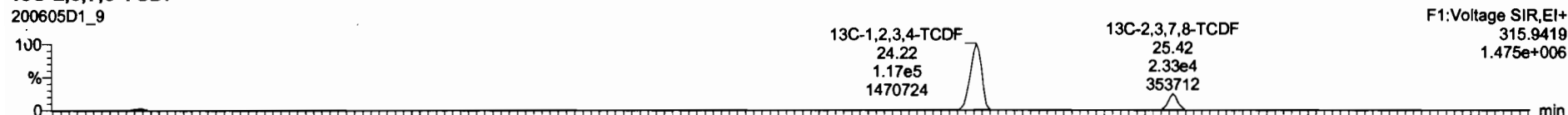
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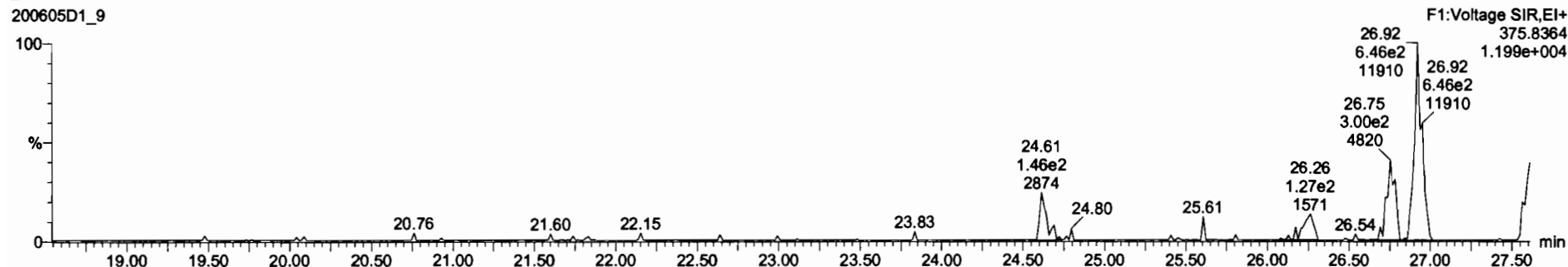
2,3,7,8-TCDF

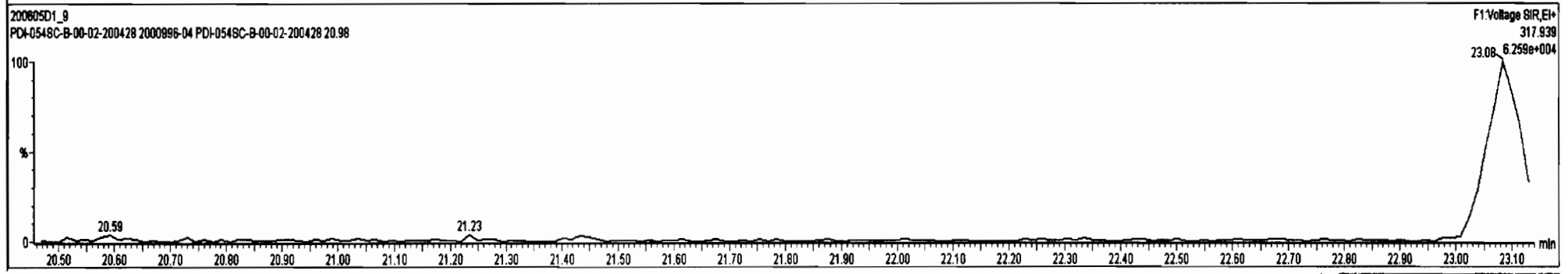
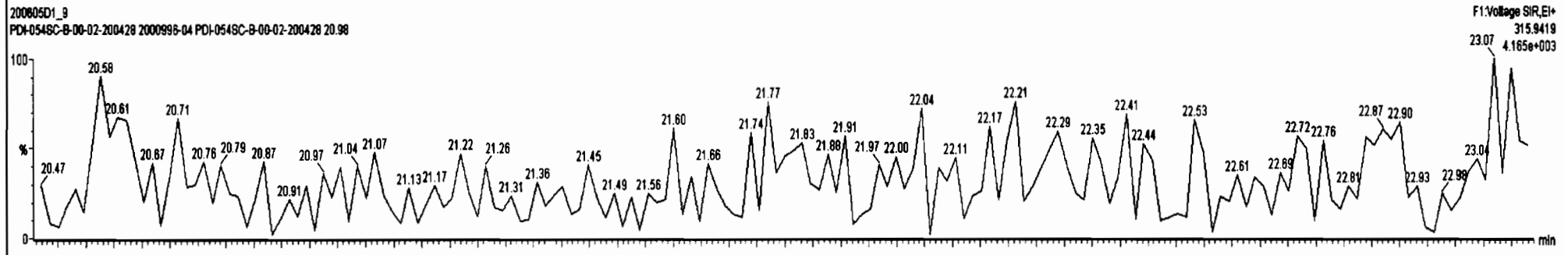
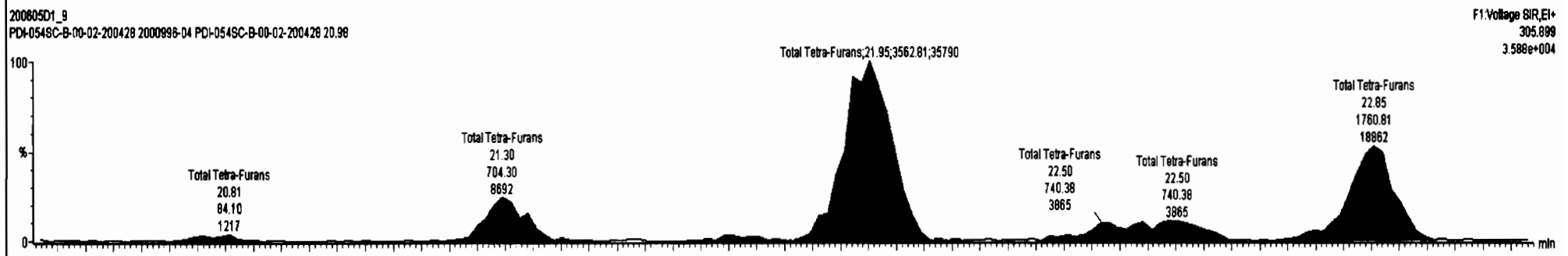
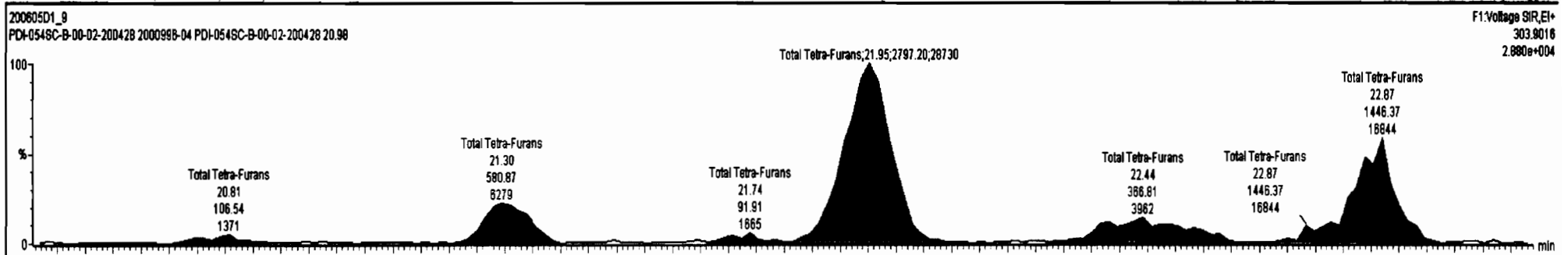


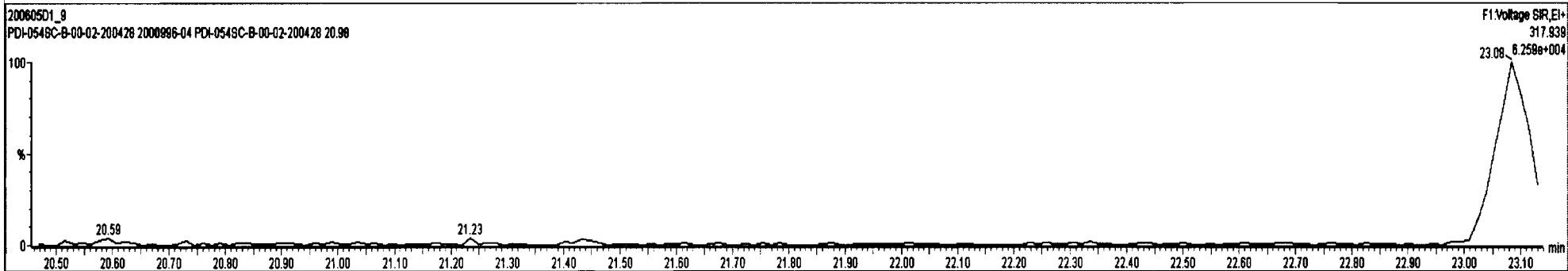
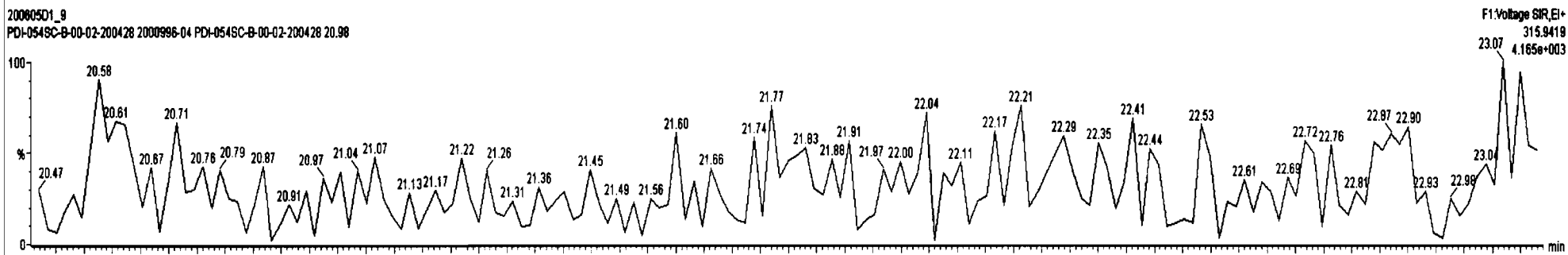
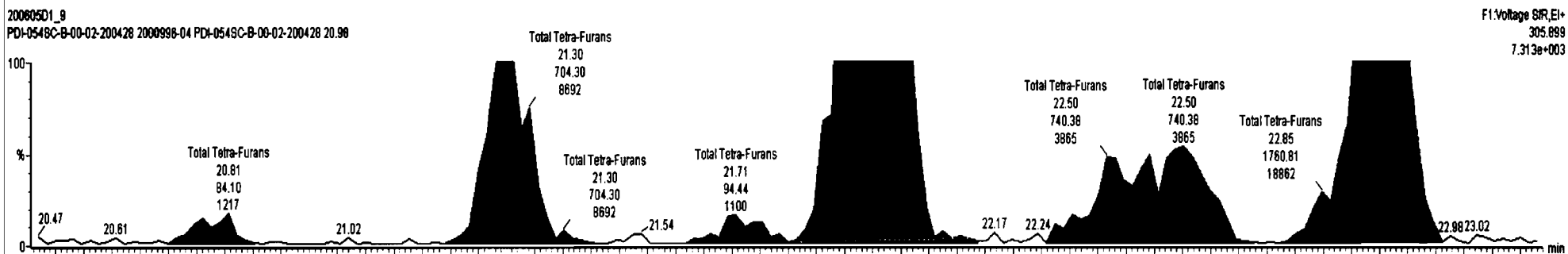
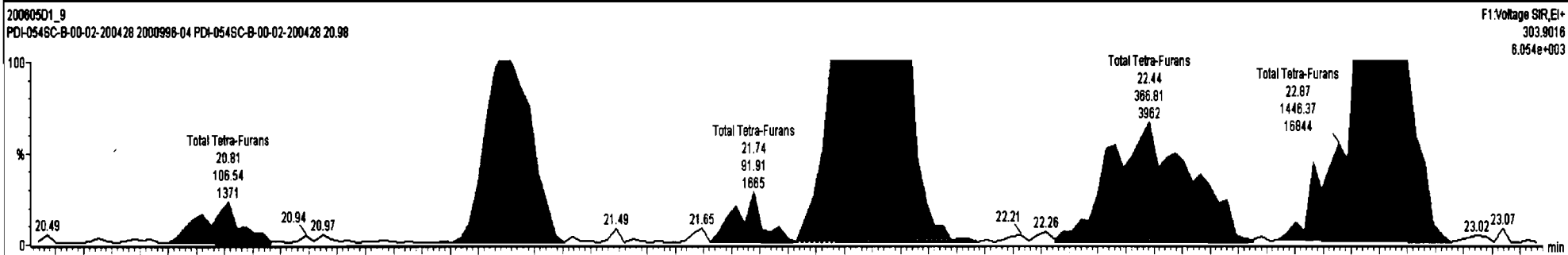
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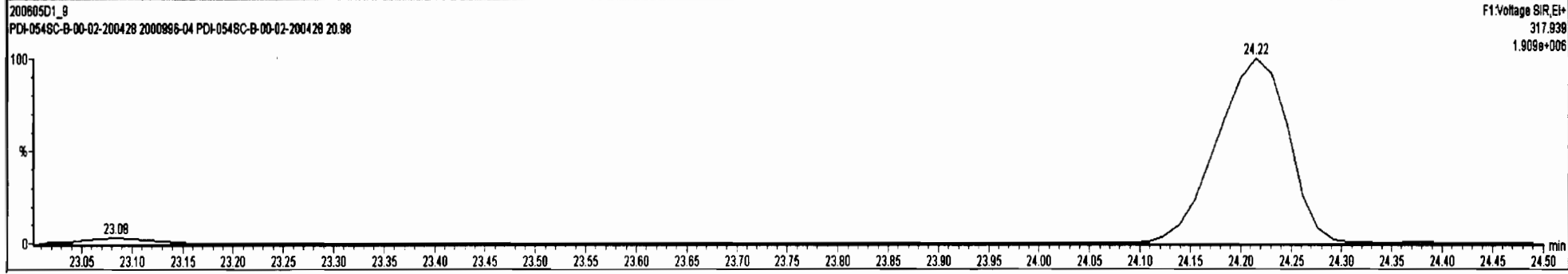
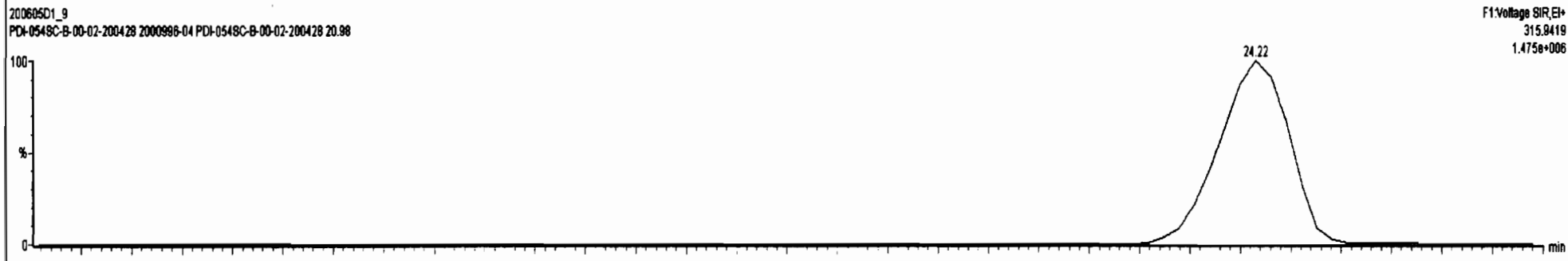
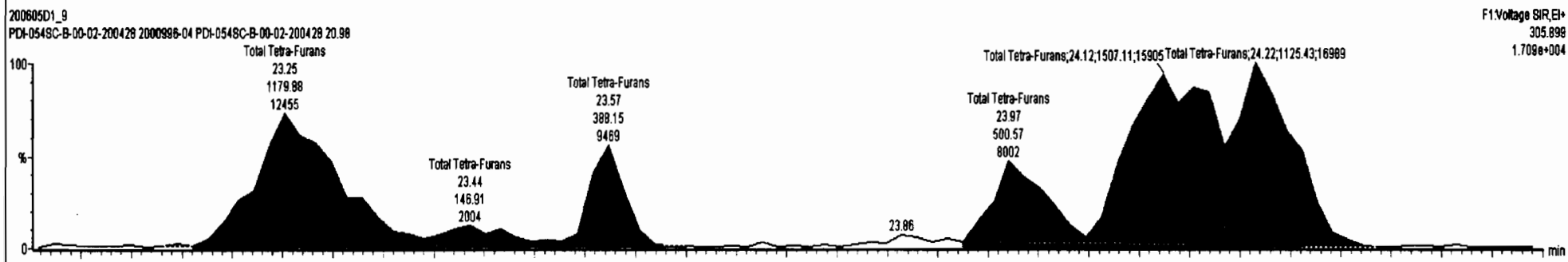
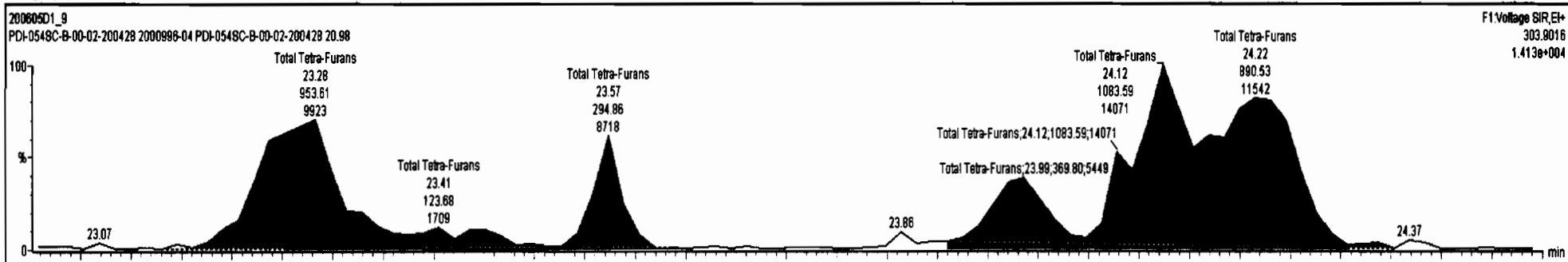


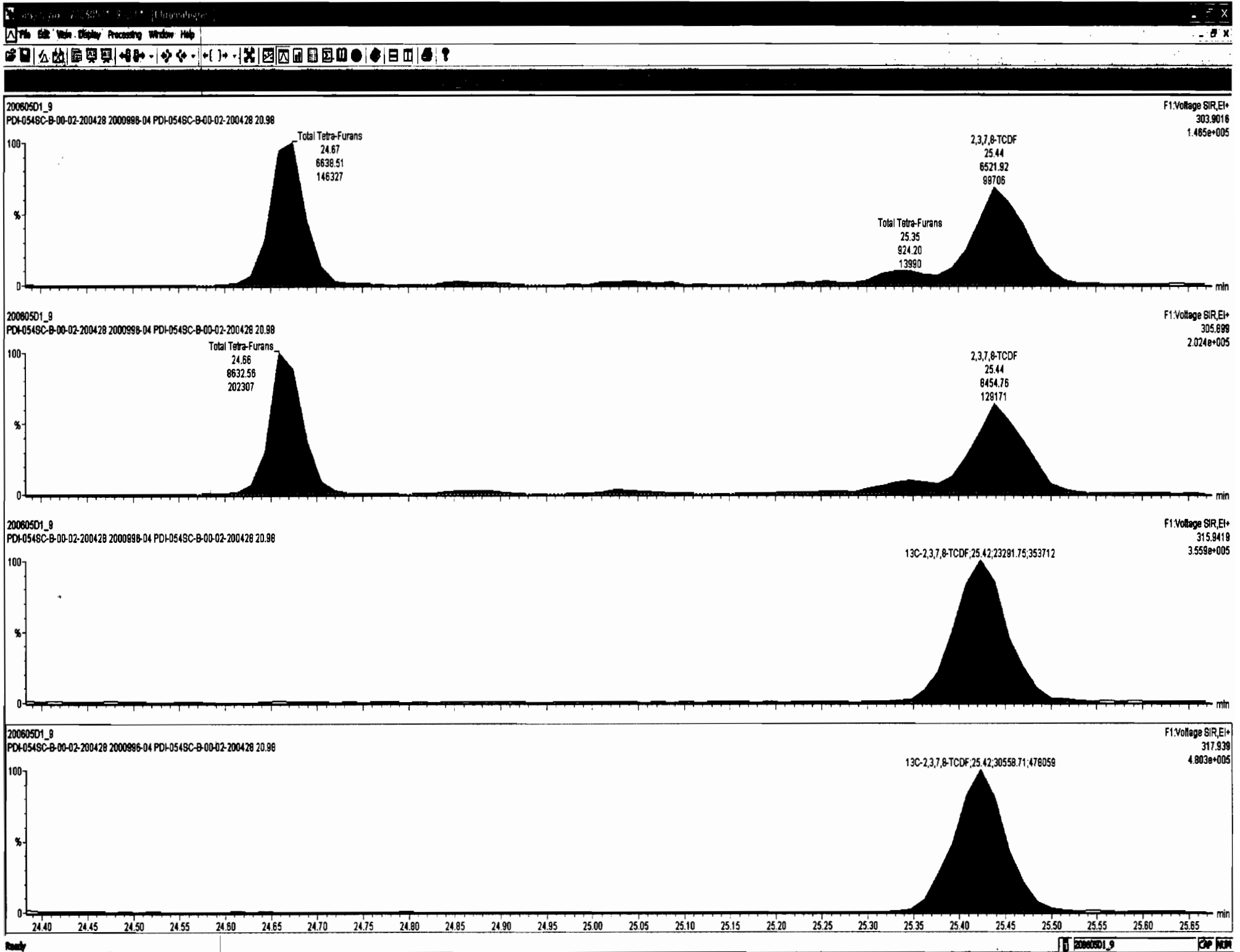
DPE1

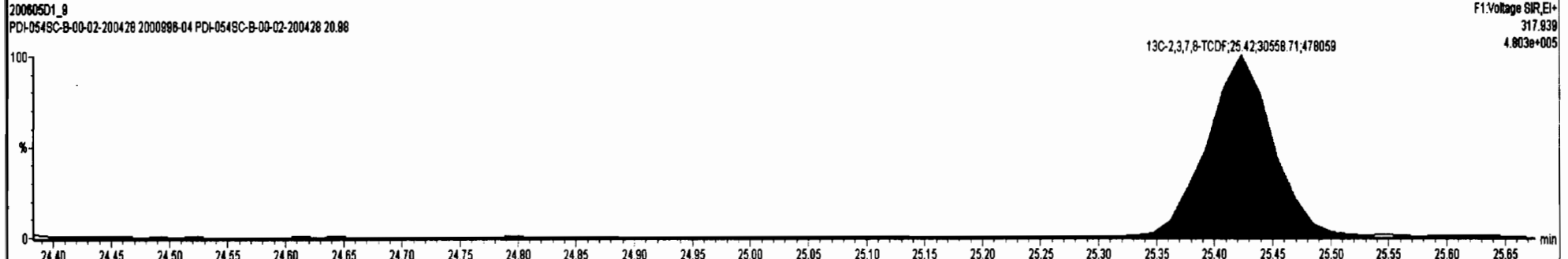
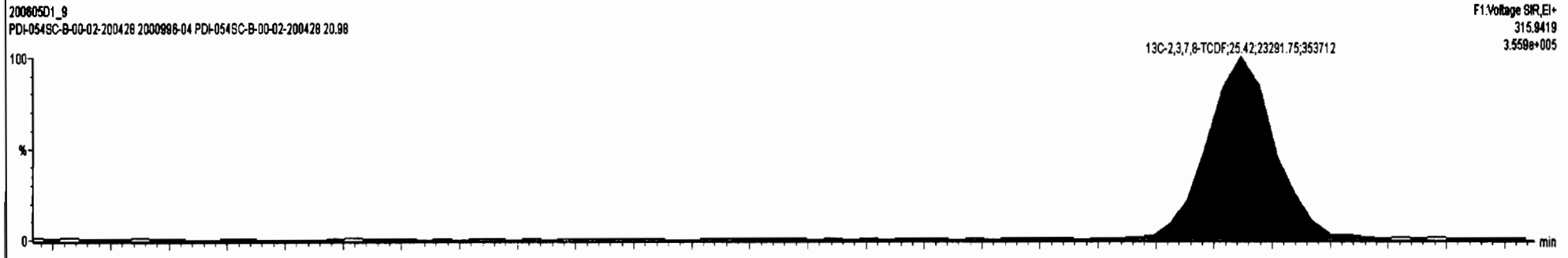
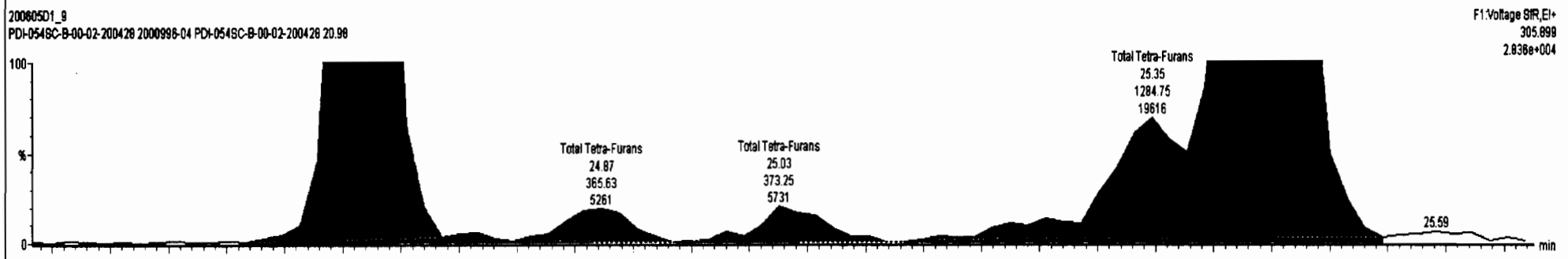
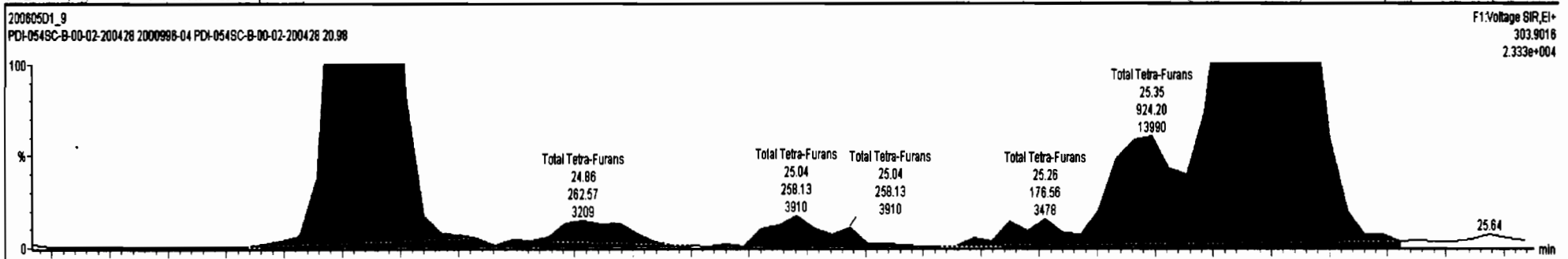


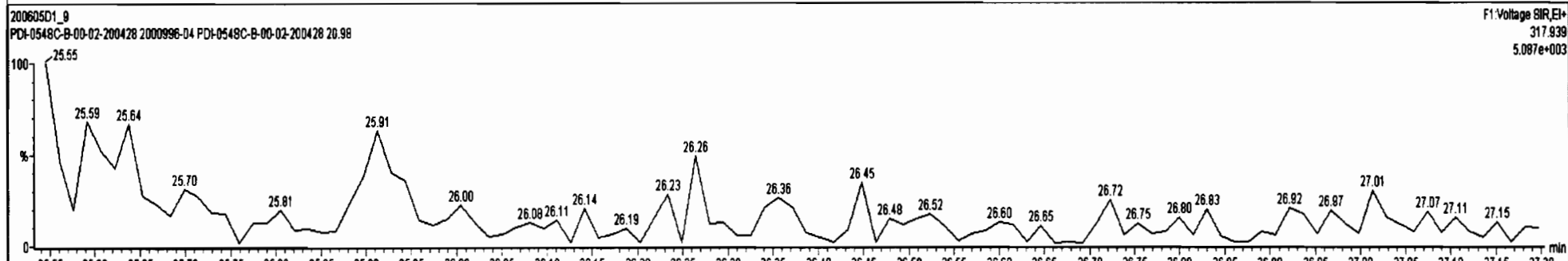
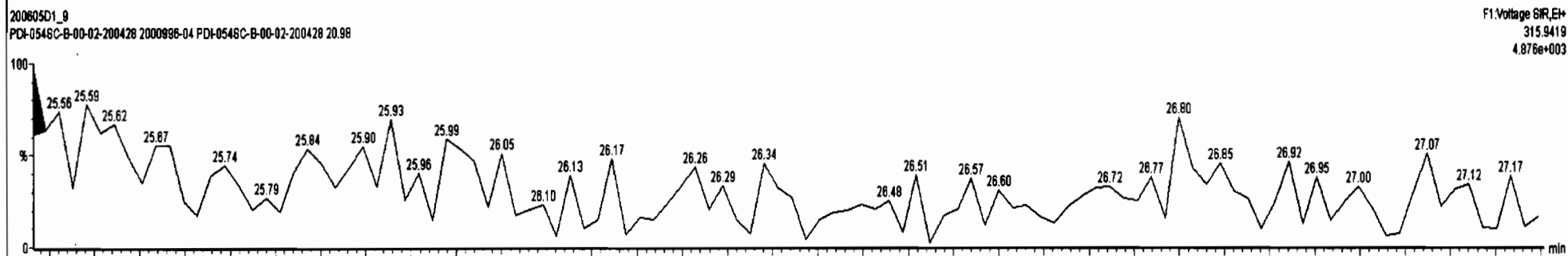
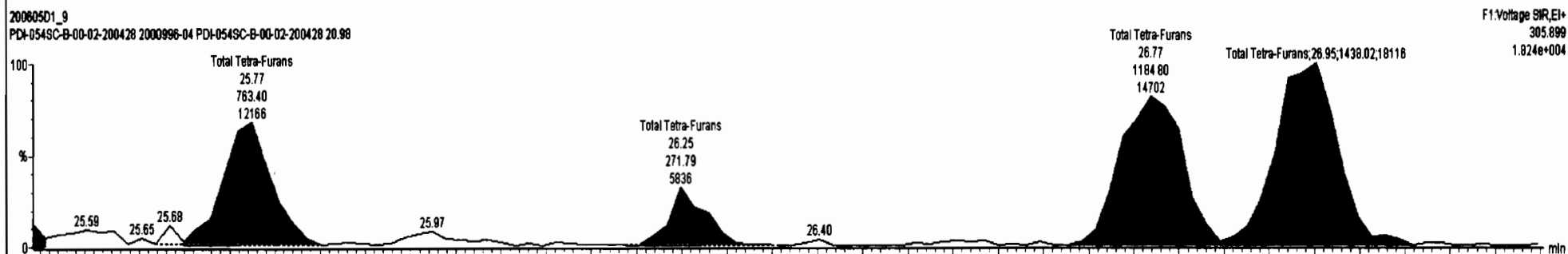
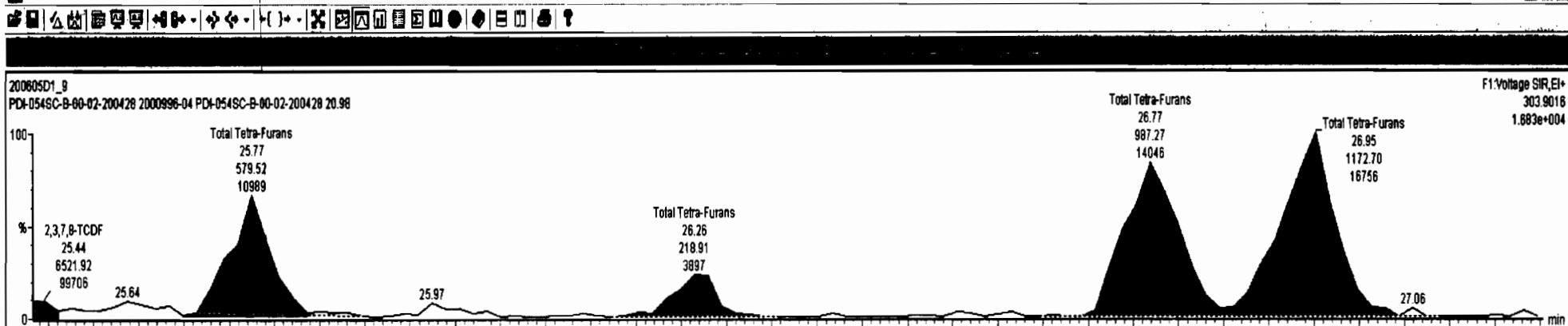












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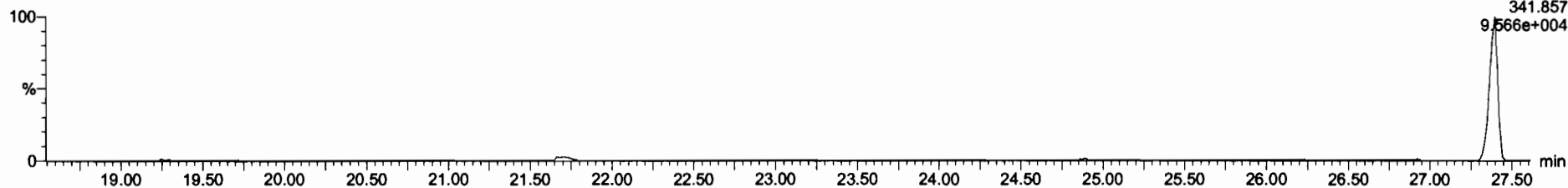
Name: 200605D1_9, Date: 05-Jun-2020, Time: 18:22:38, ID: 2000996-04 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428

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200605D1_9

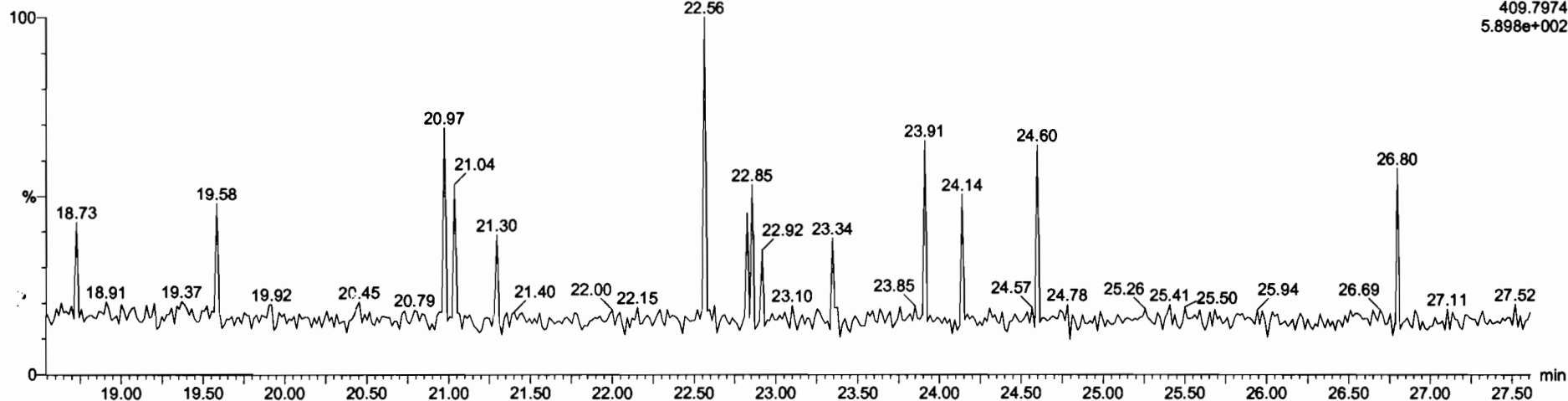


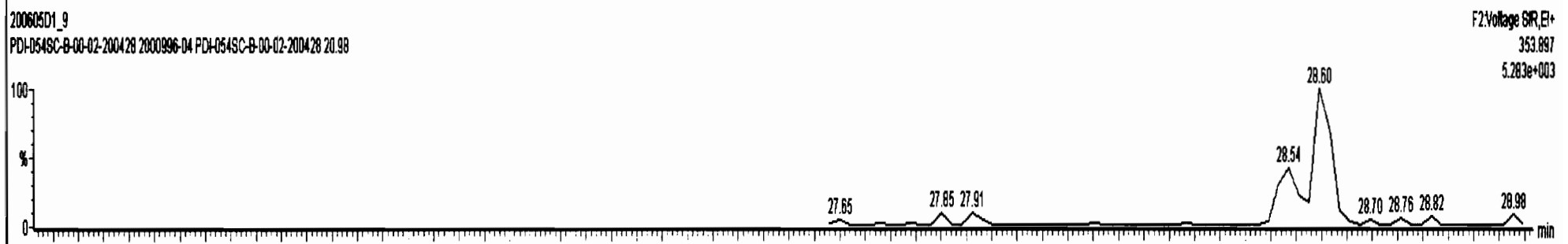
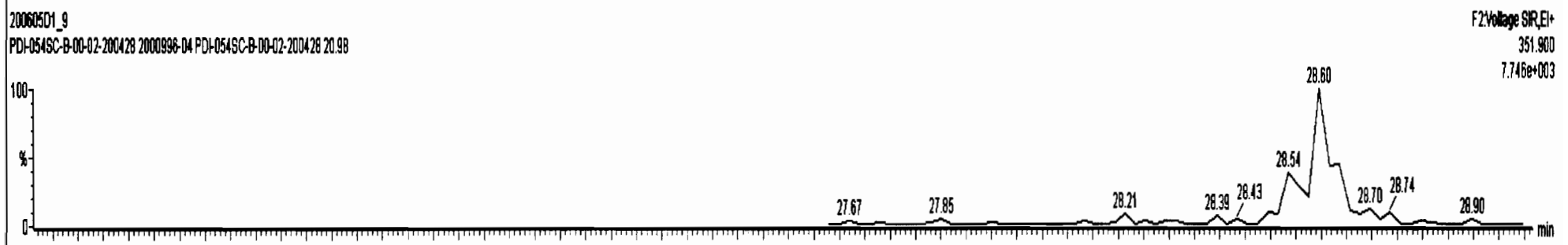
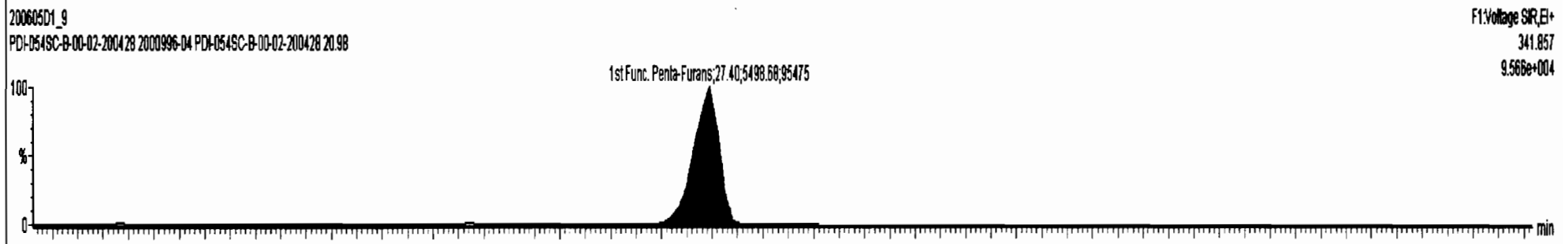
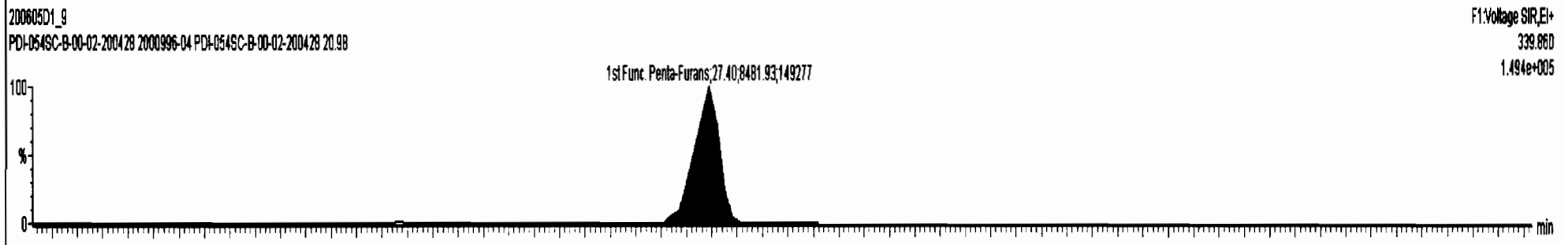
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DPE6

200605D1_9



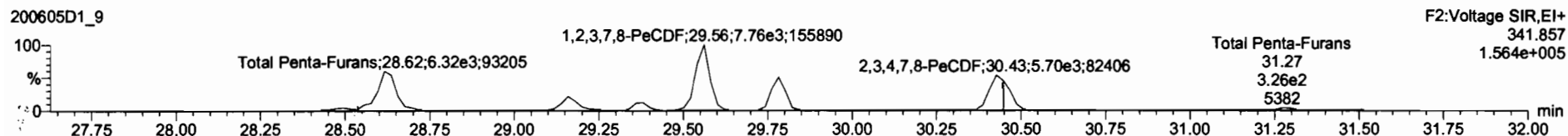
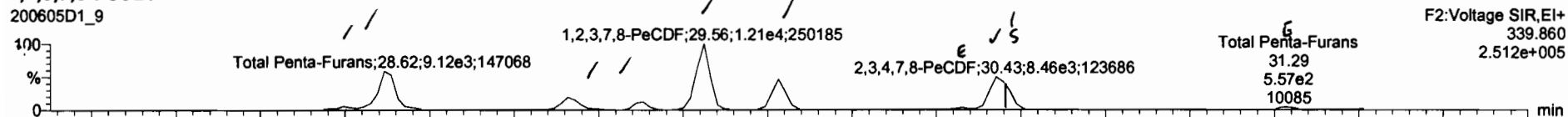


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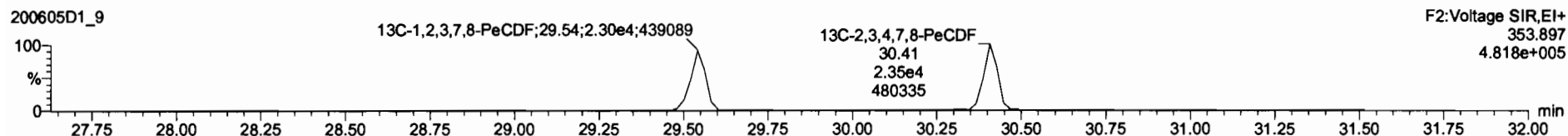
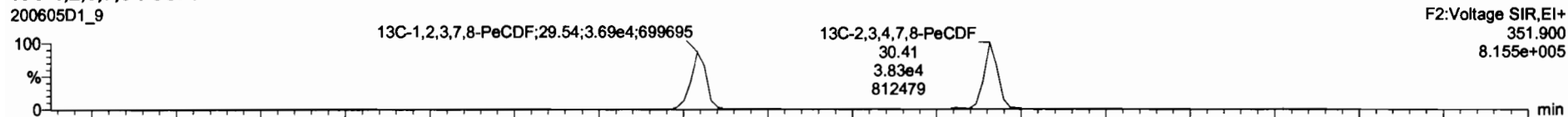
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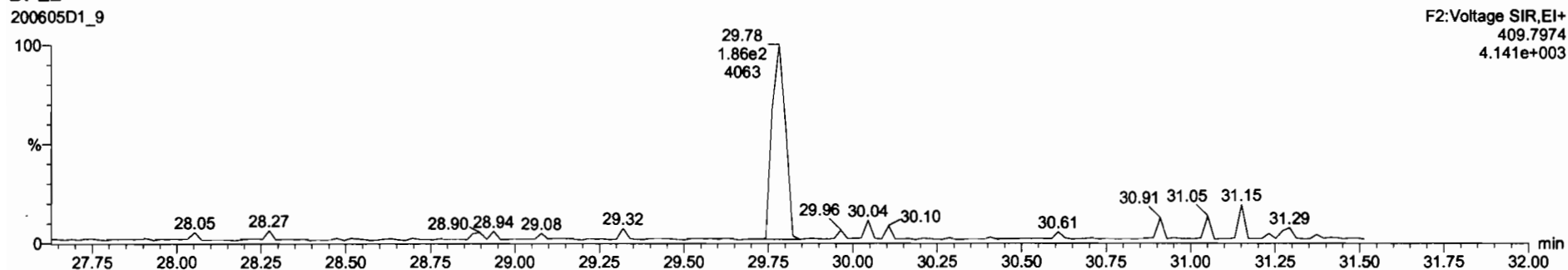
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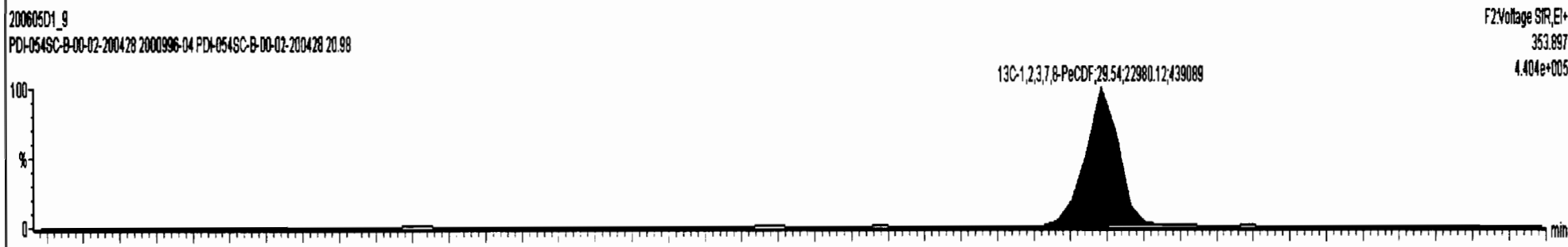
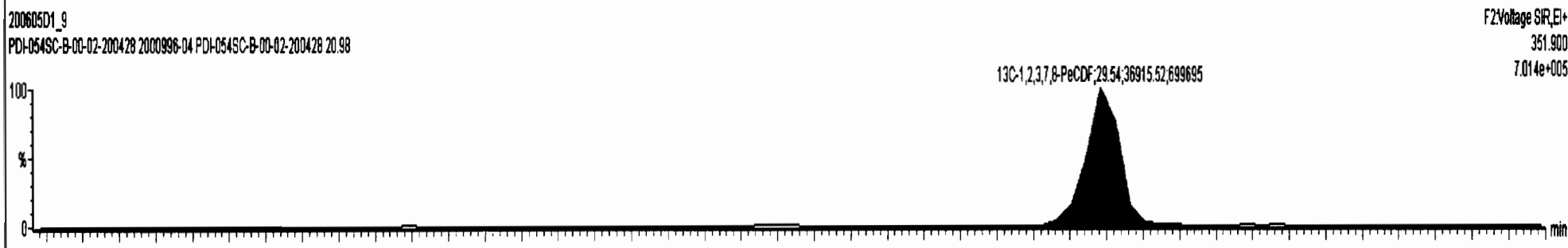
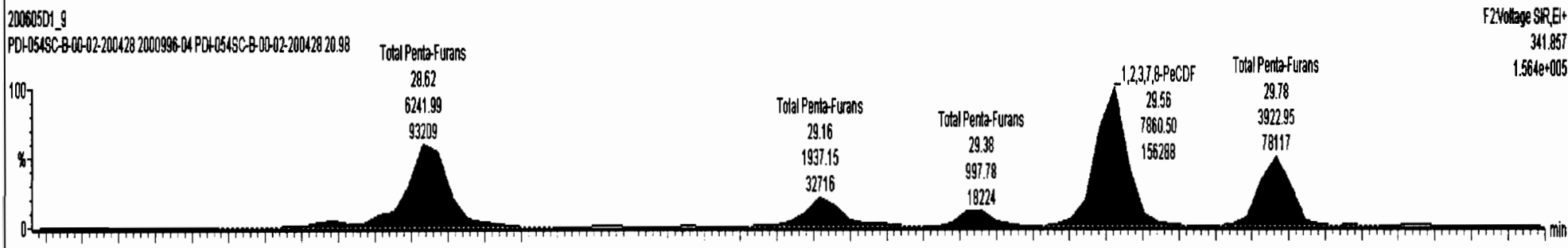
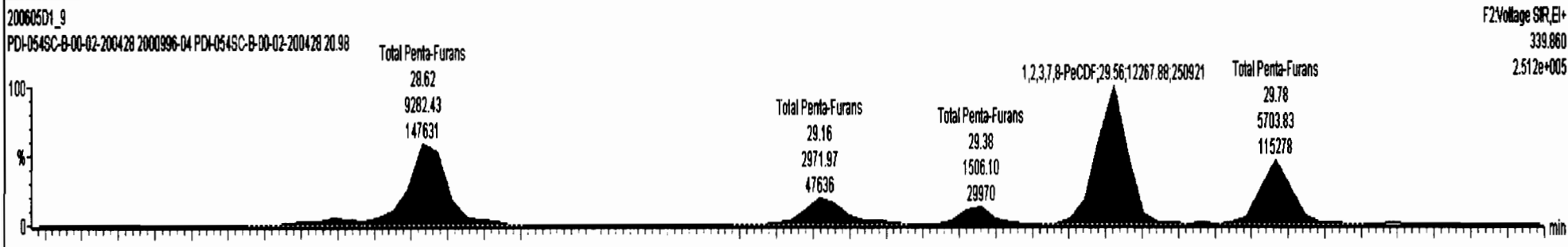


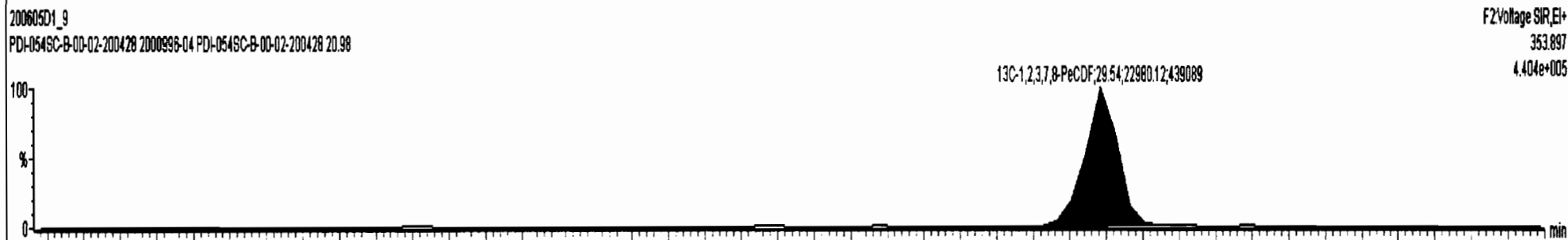
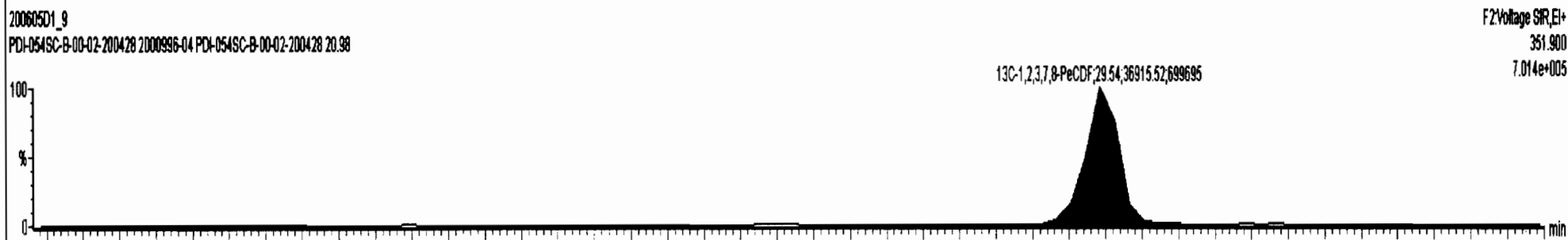
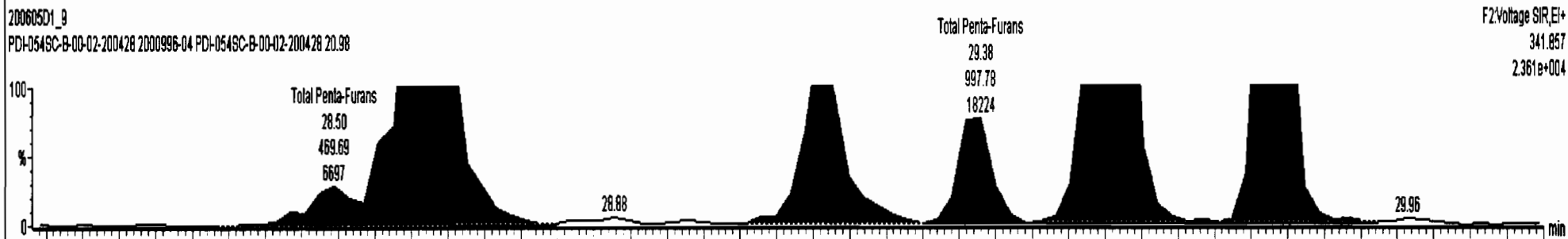
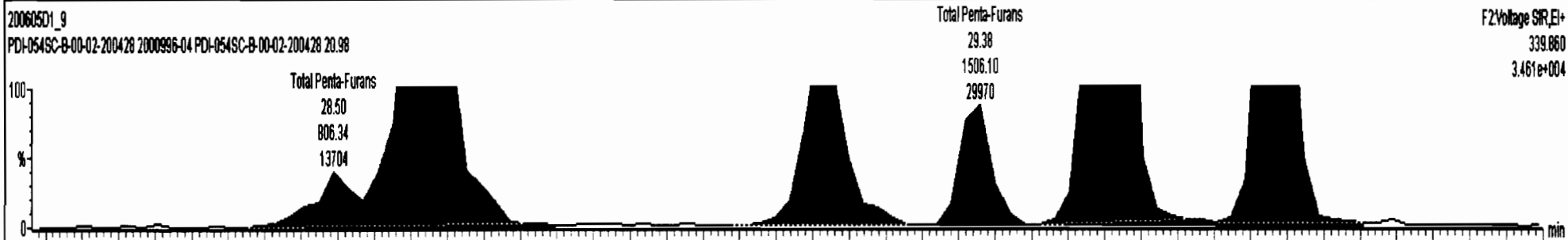
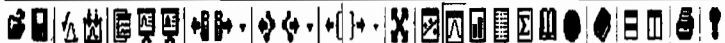
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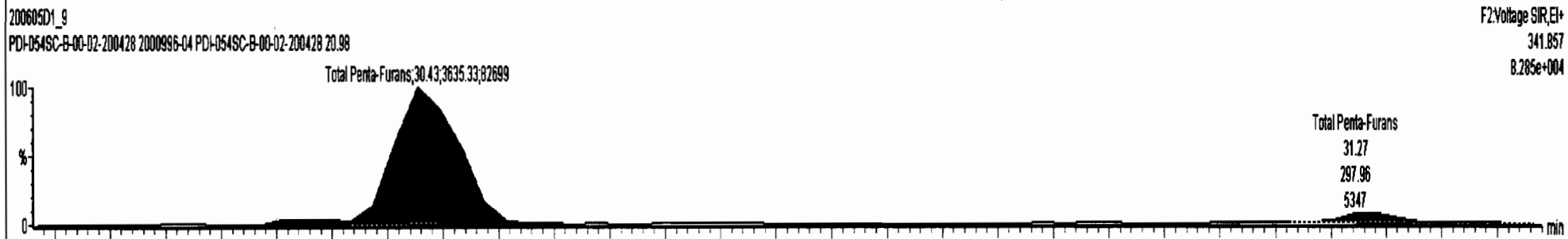
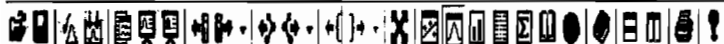


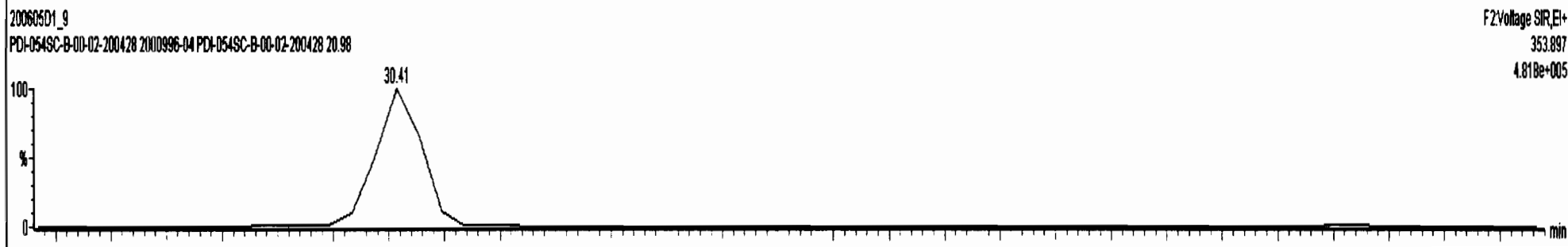
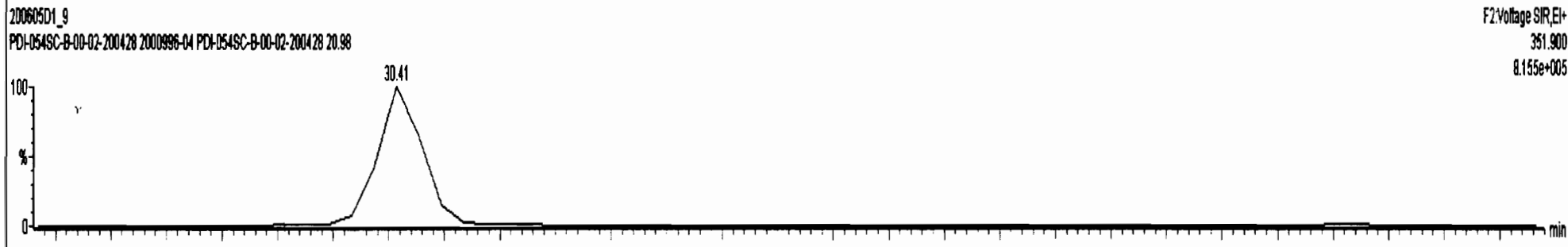
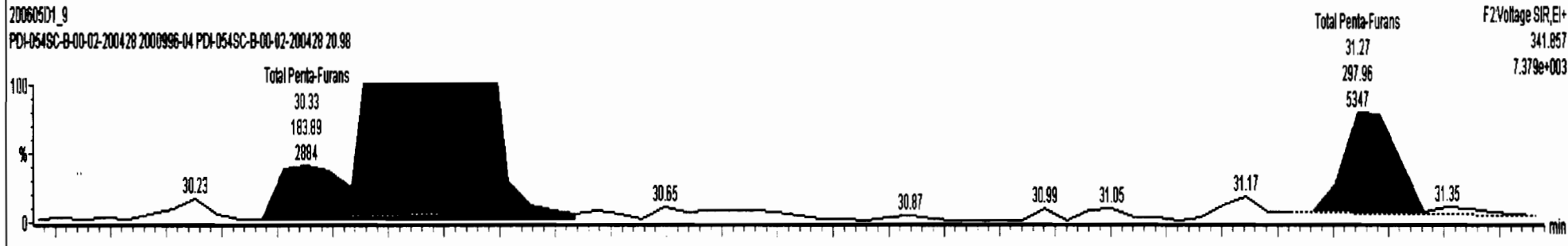
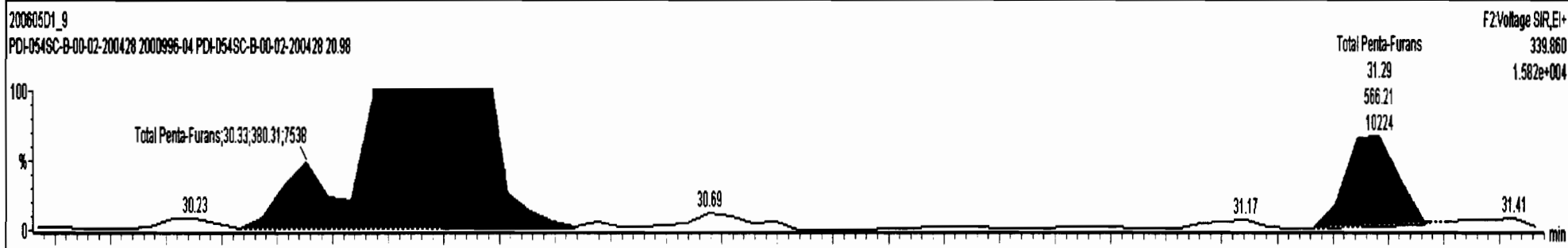
DPE2









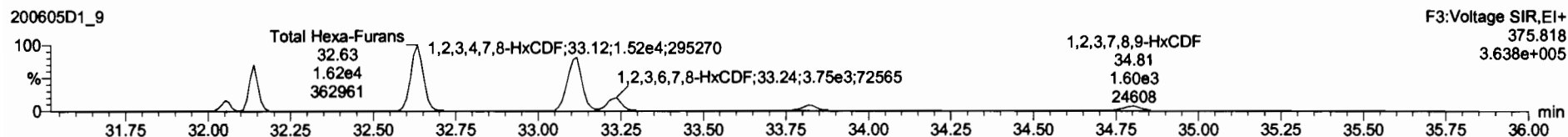
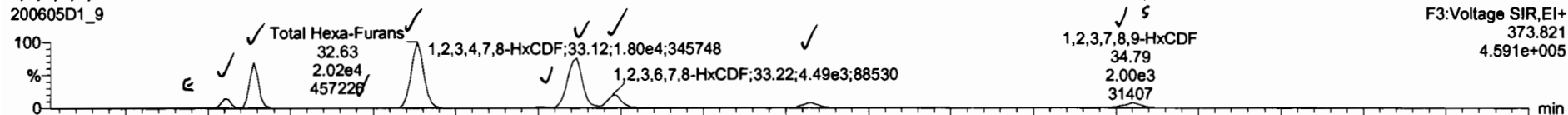


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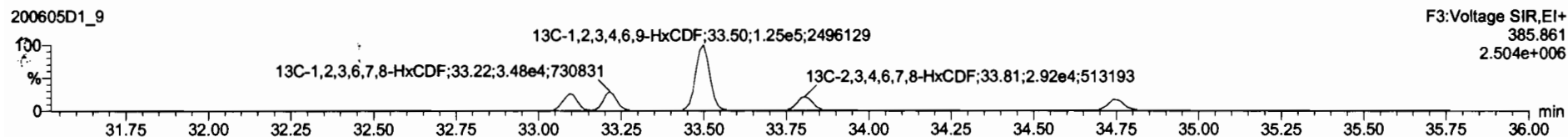
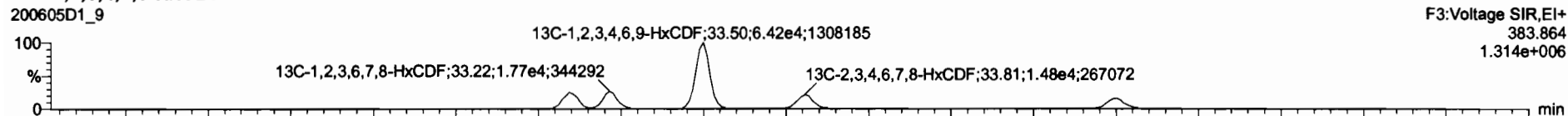
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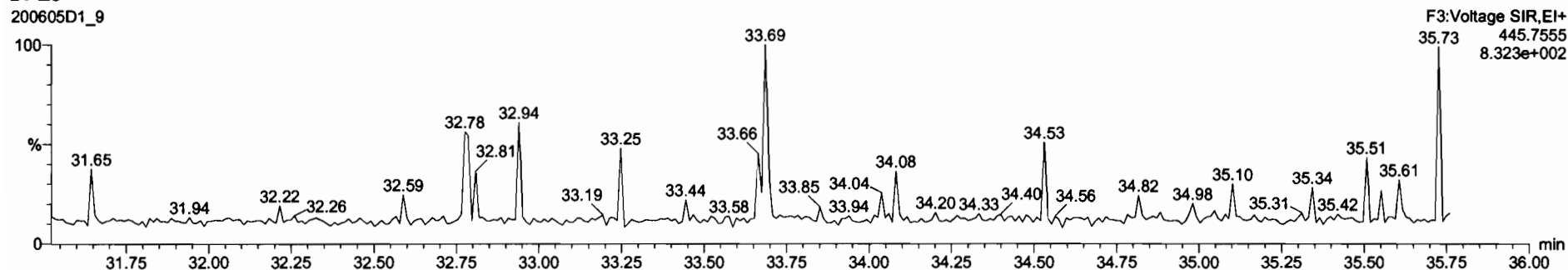
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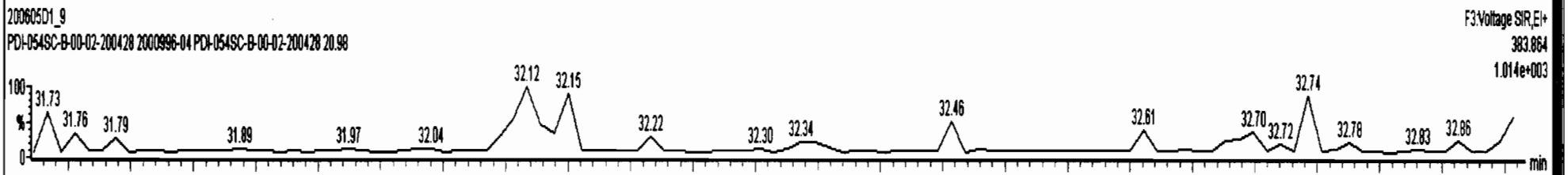
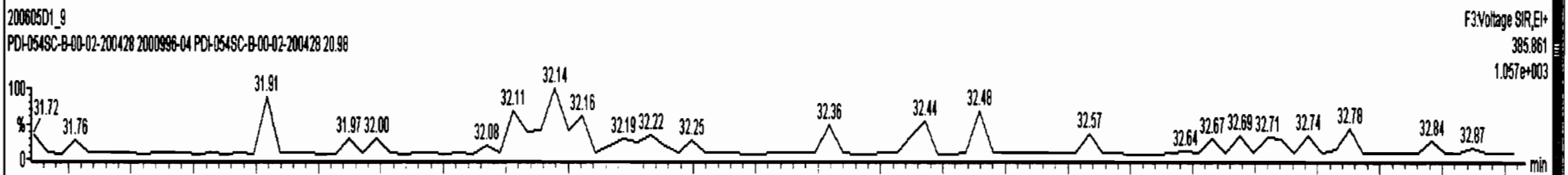
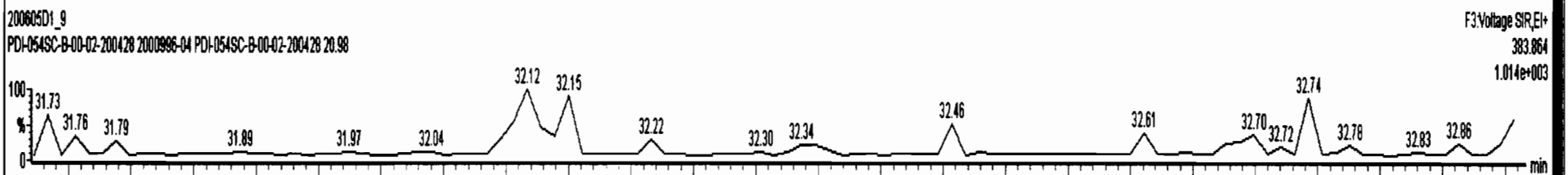
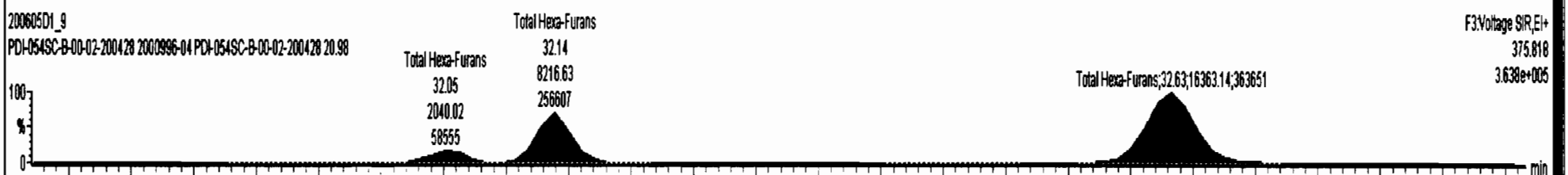
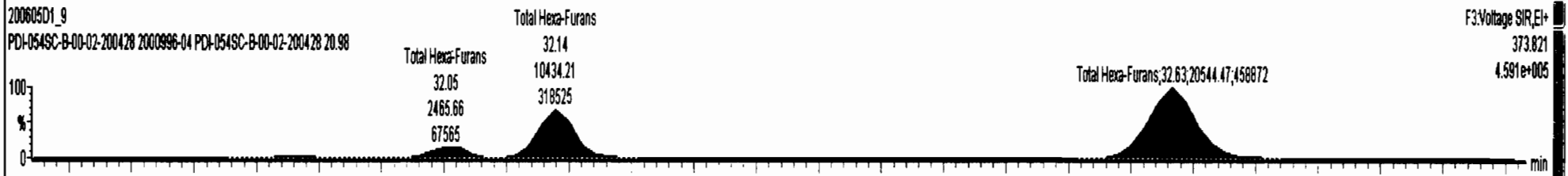


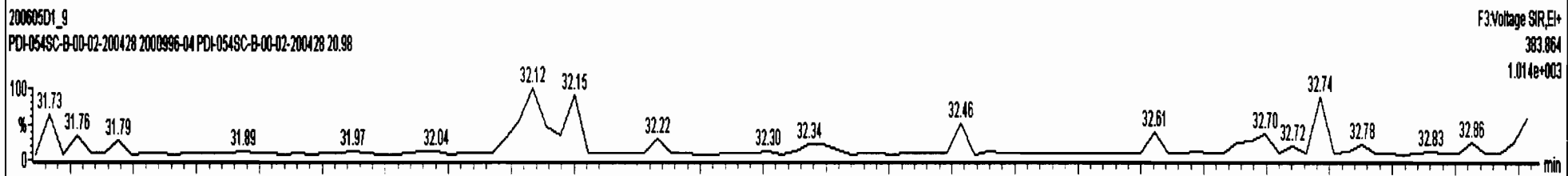
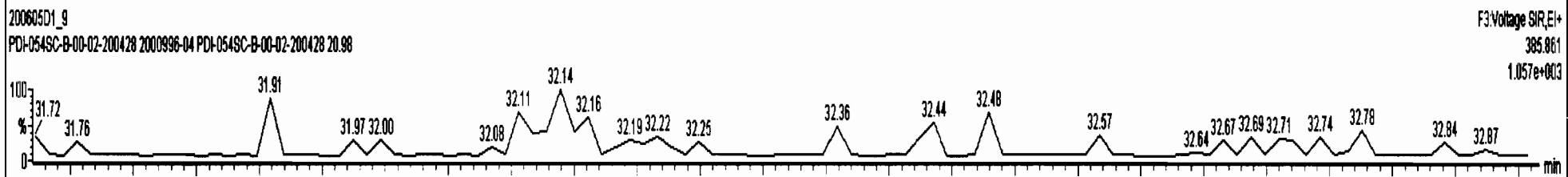
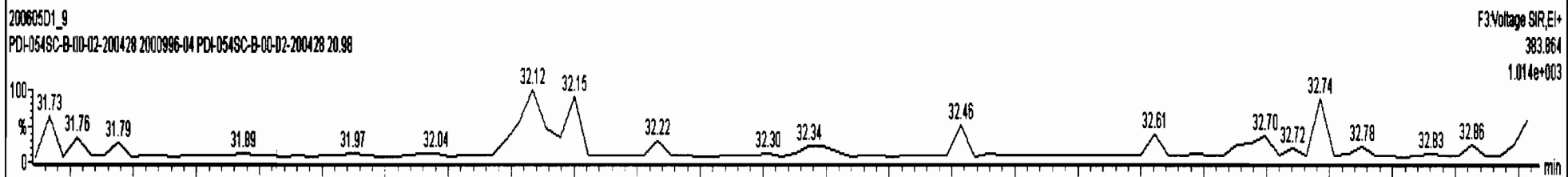
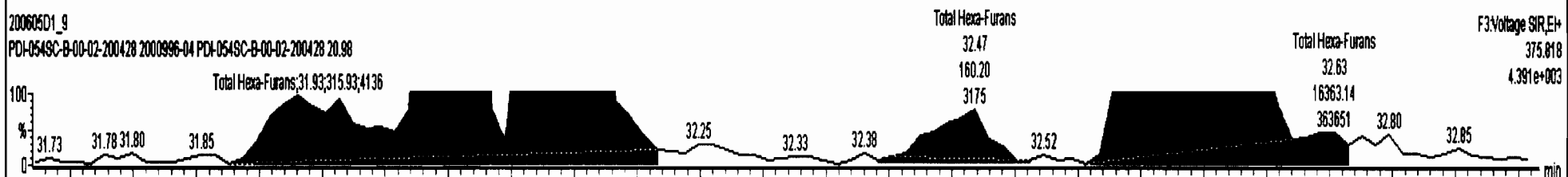
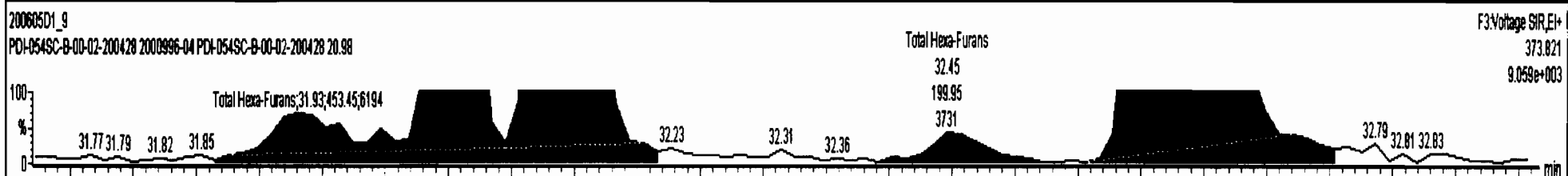
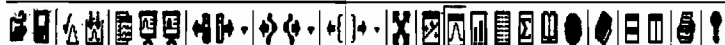
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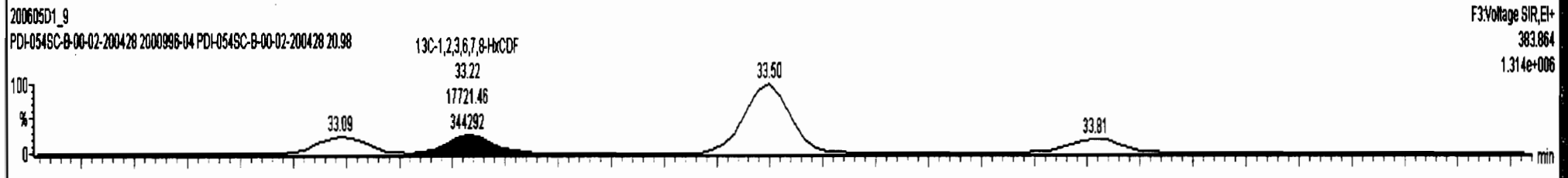
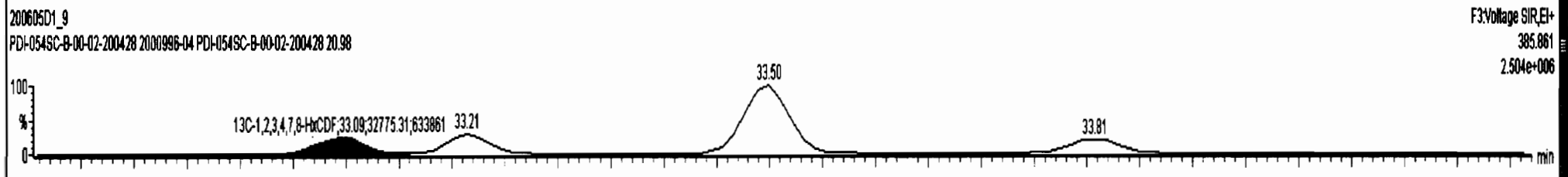
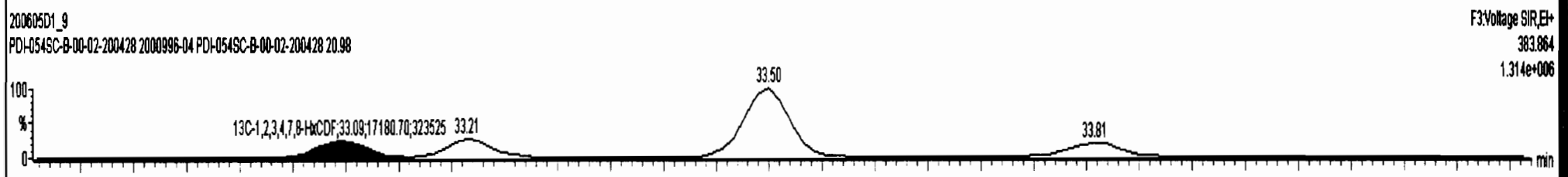
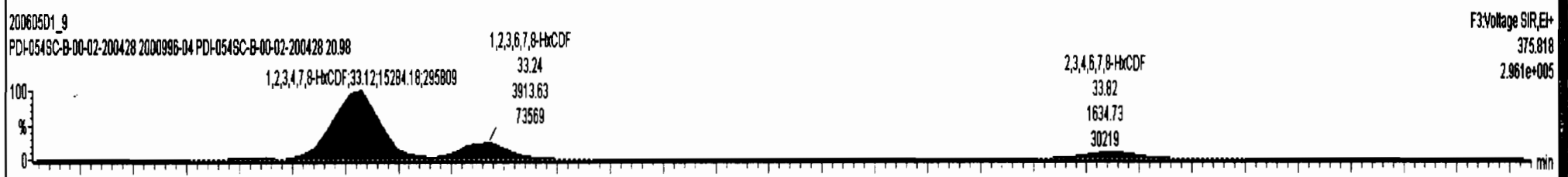
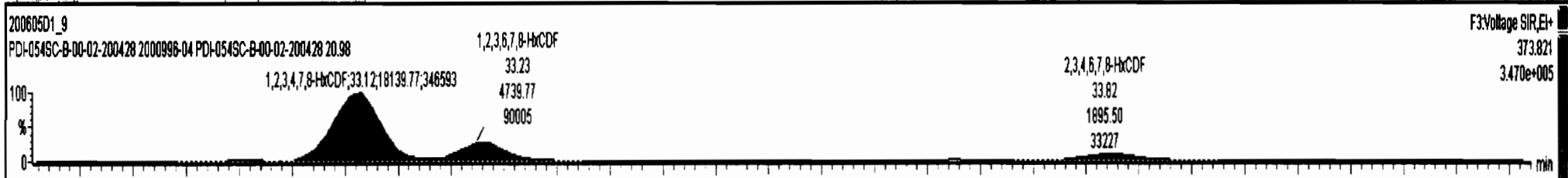


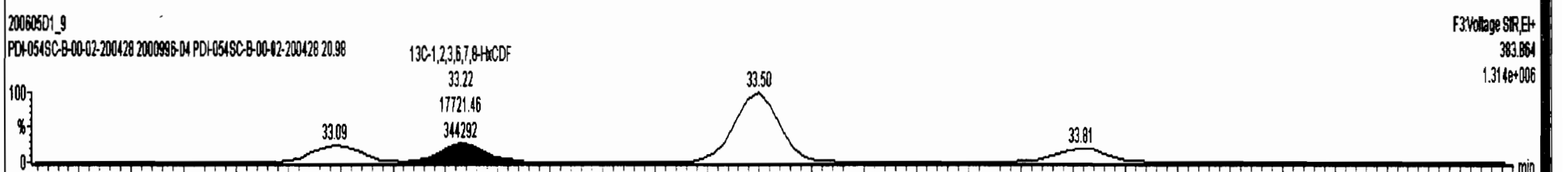
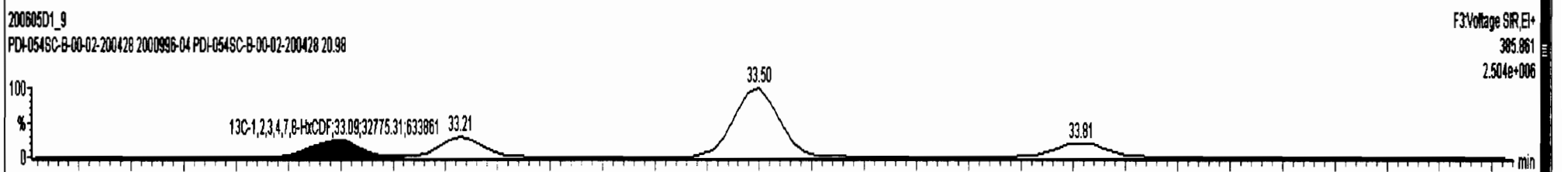
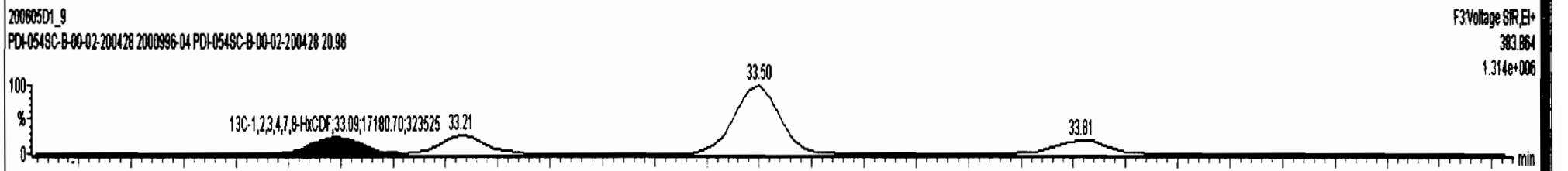
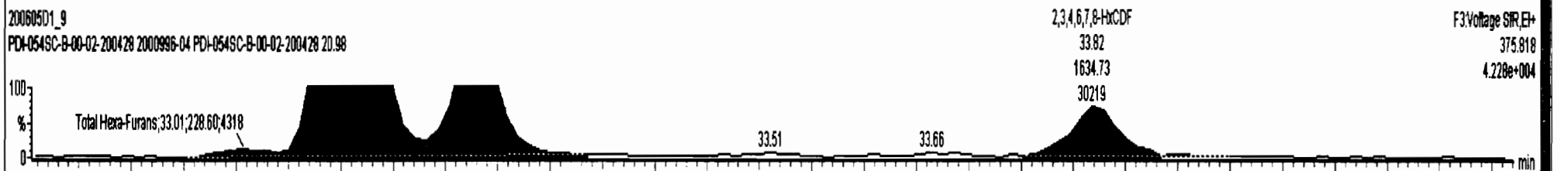
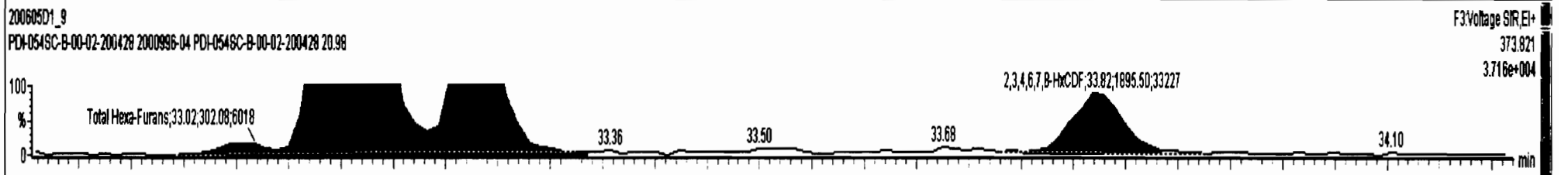
DPE3

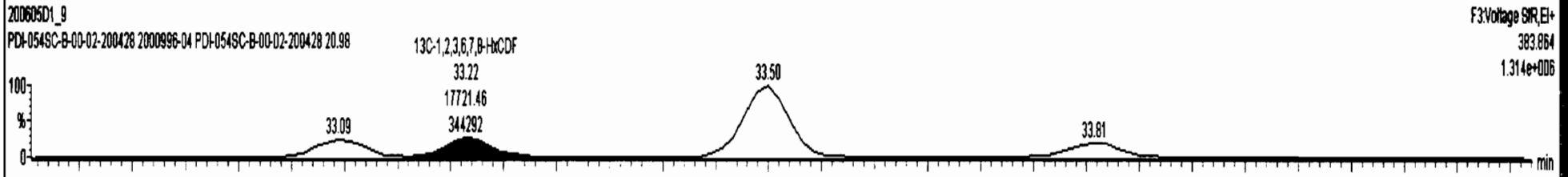
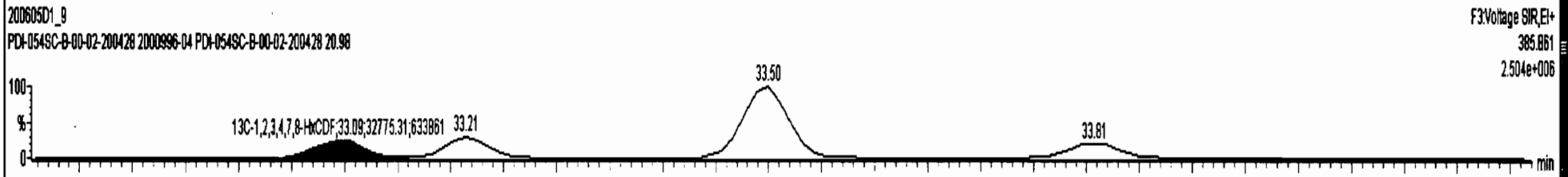
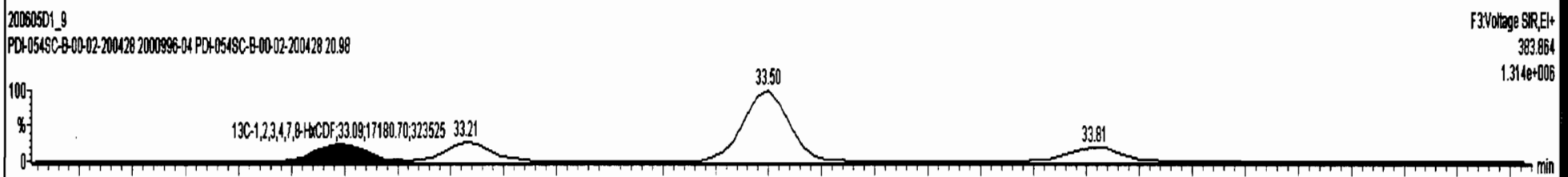
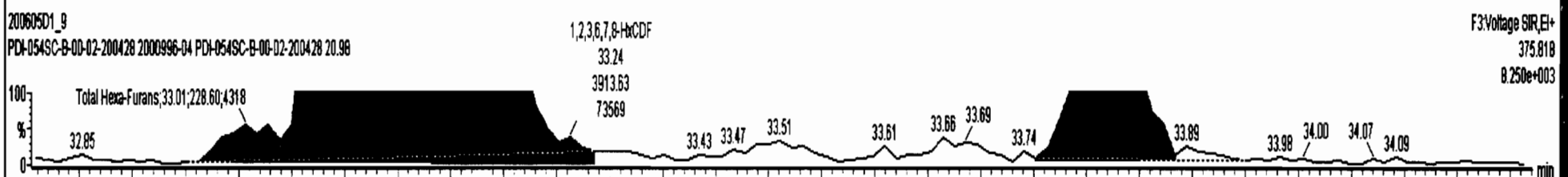
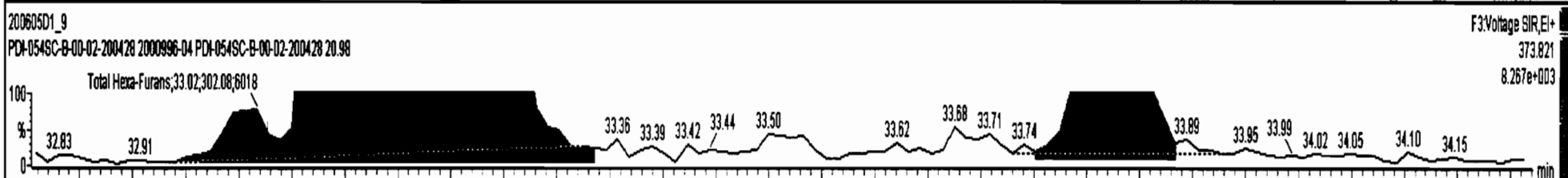


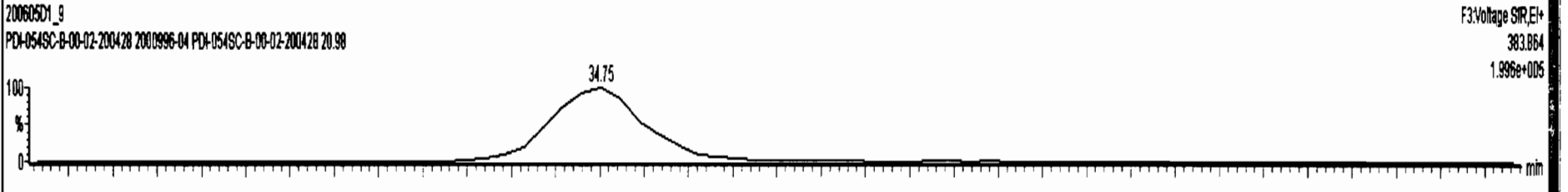
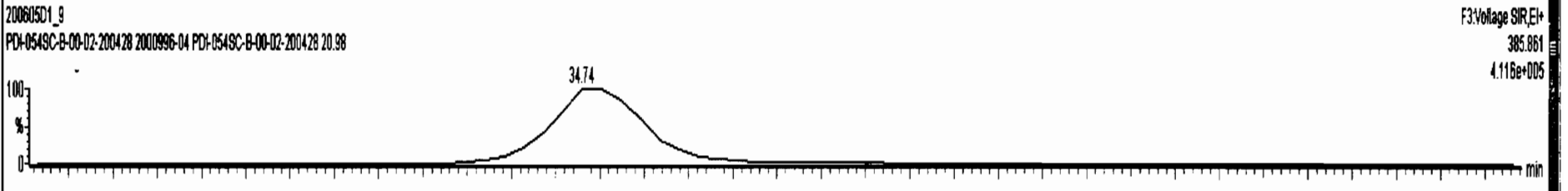
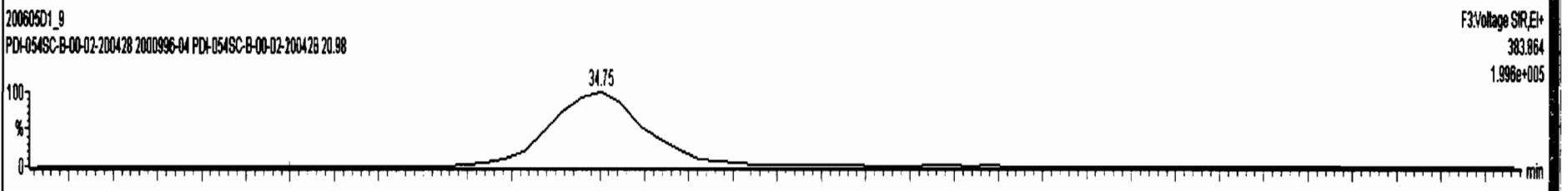
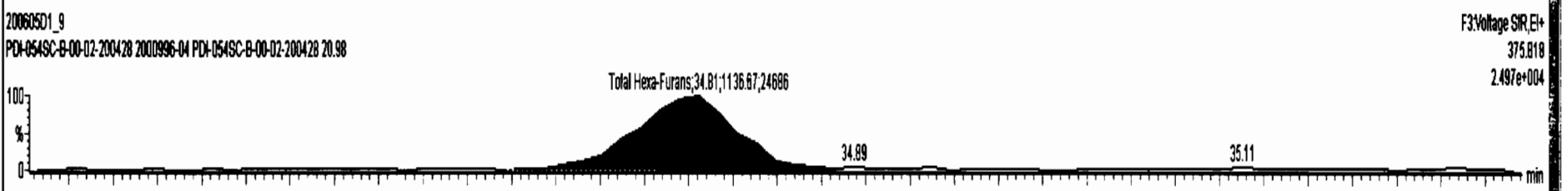
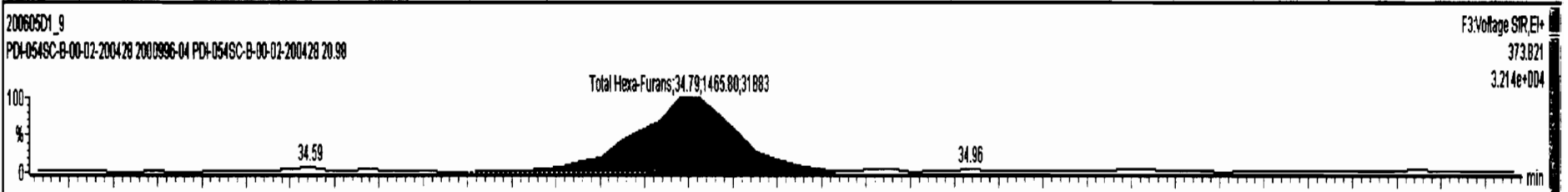










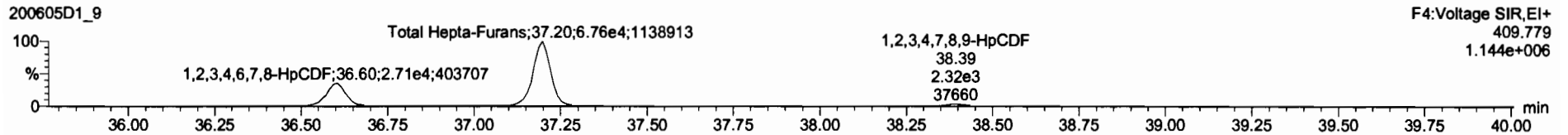
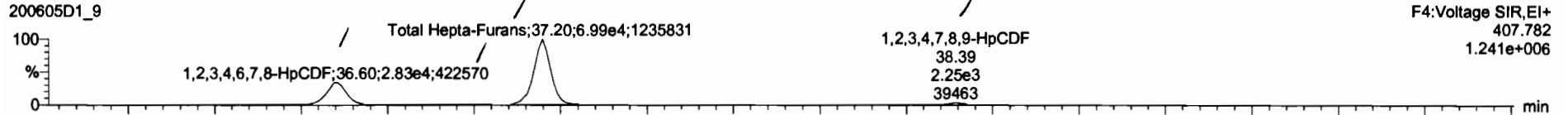


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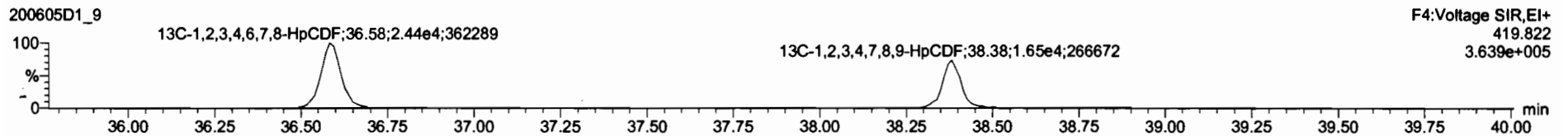
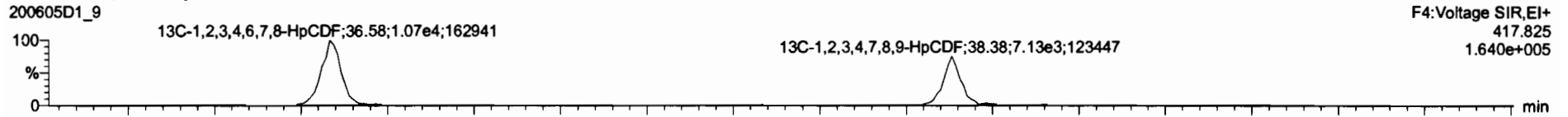
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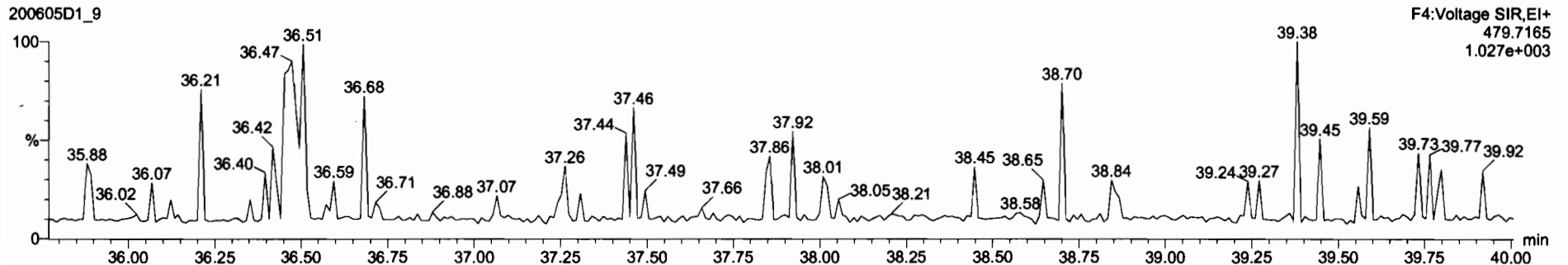
1,2,3,4,6,7,8-HpCDF

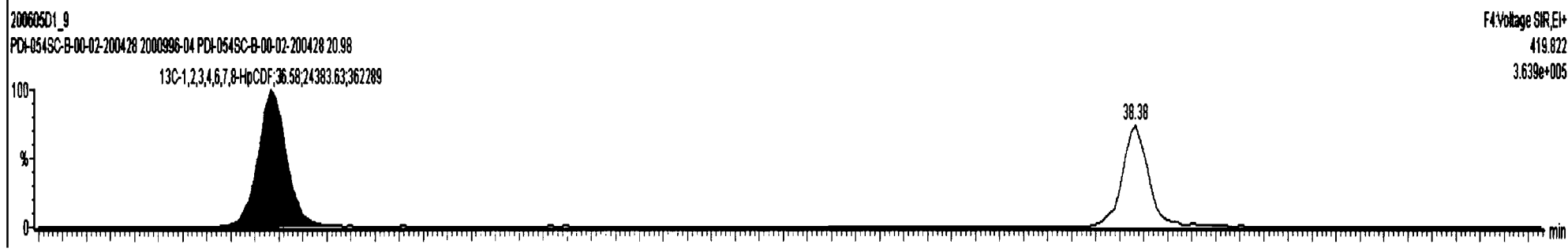
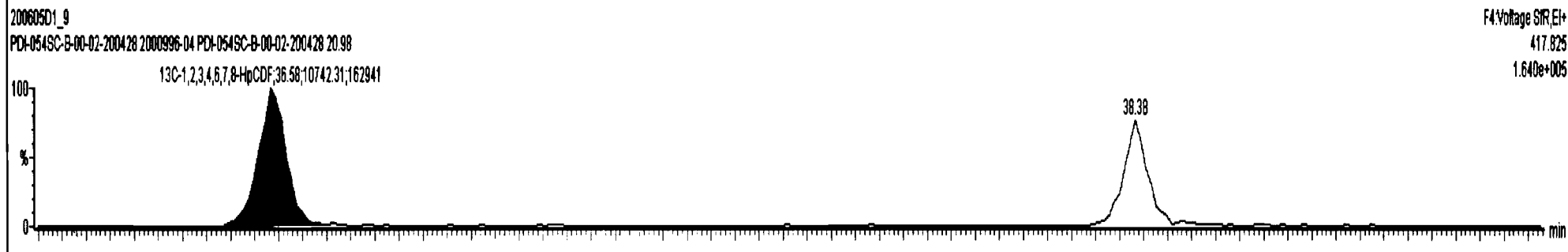
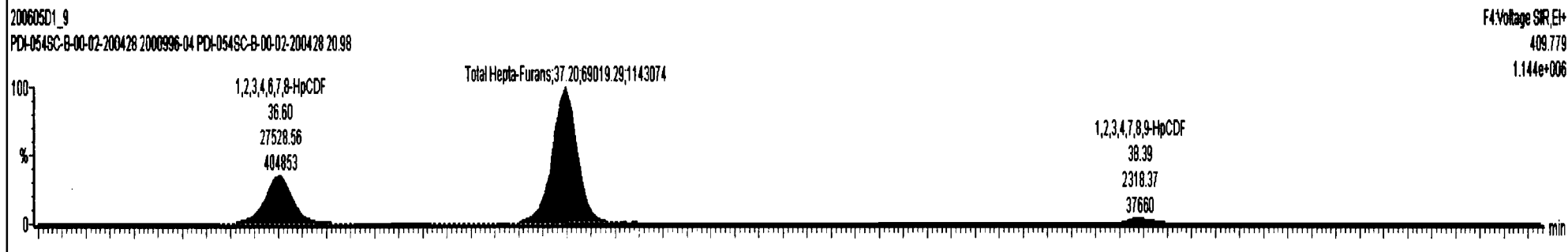
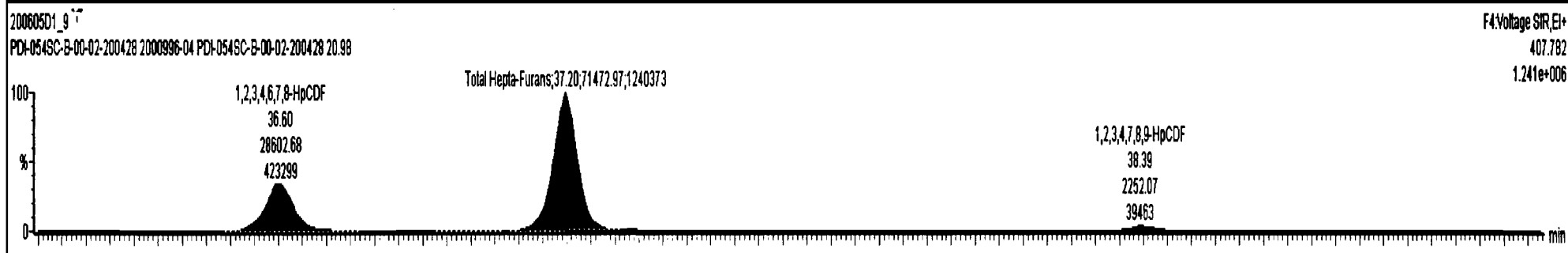


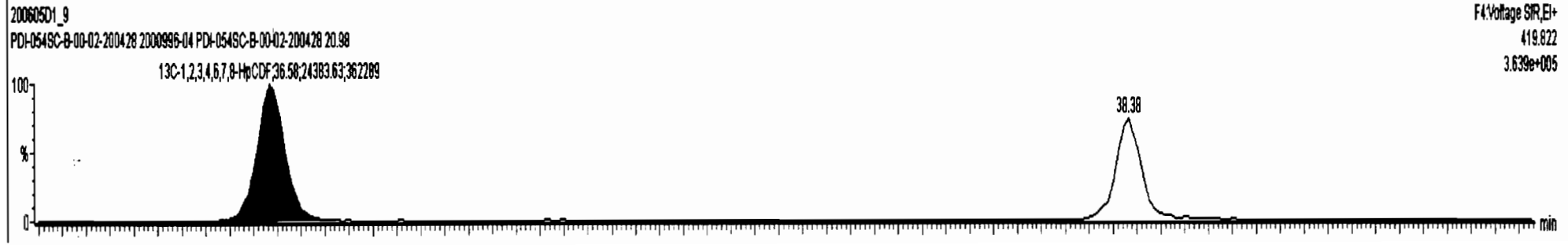
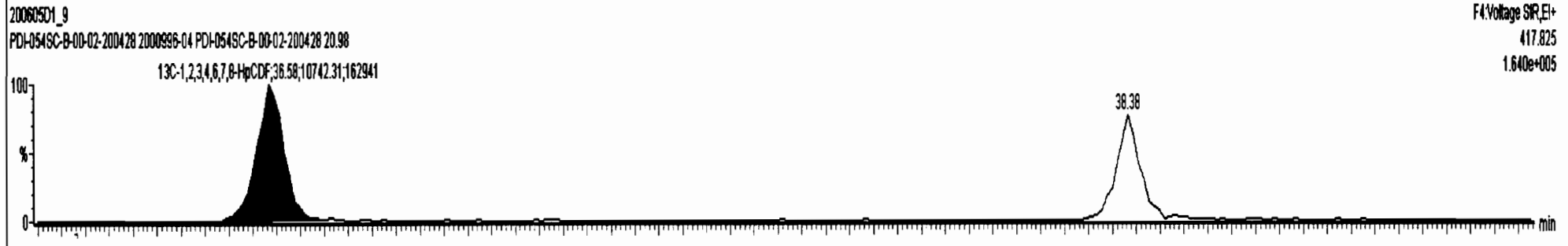
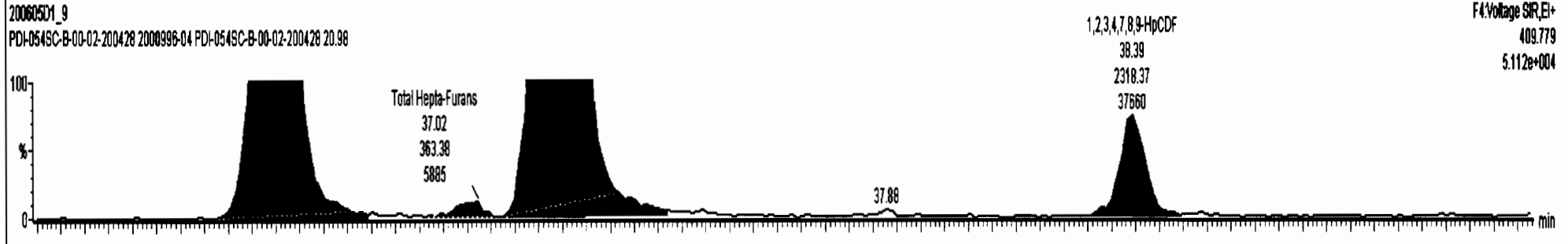
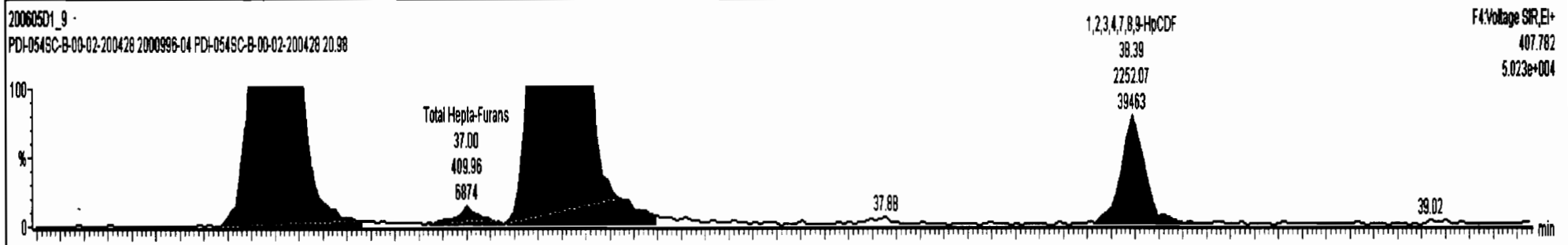
13C-1,2,3,4,6,7,8-HpCDF

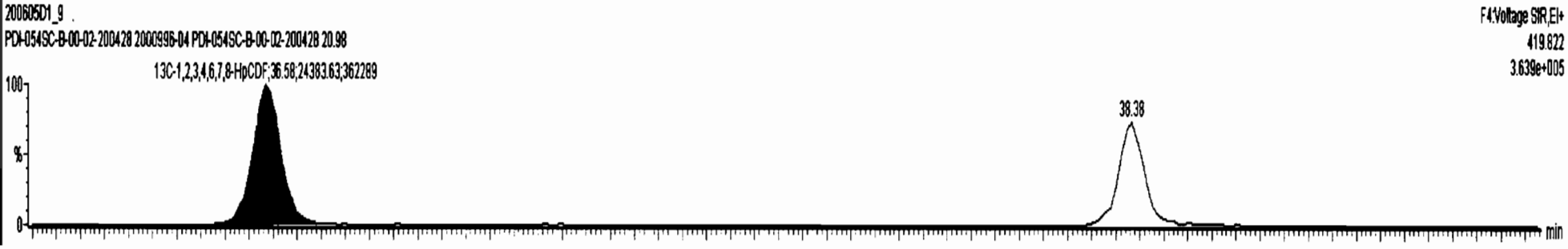
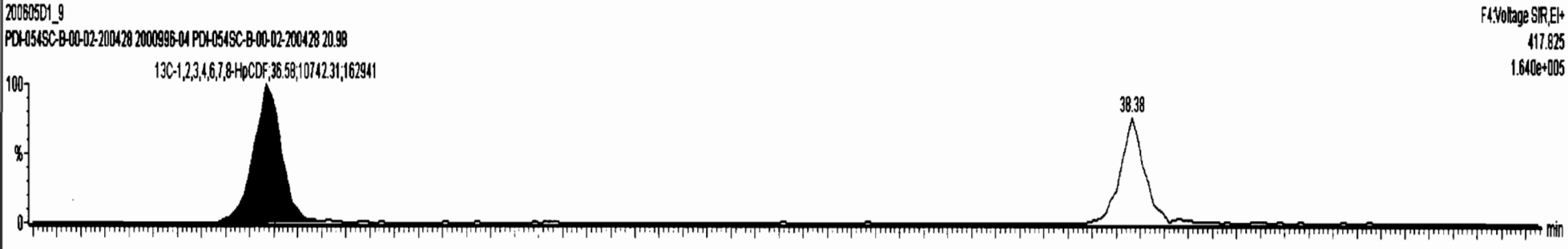
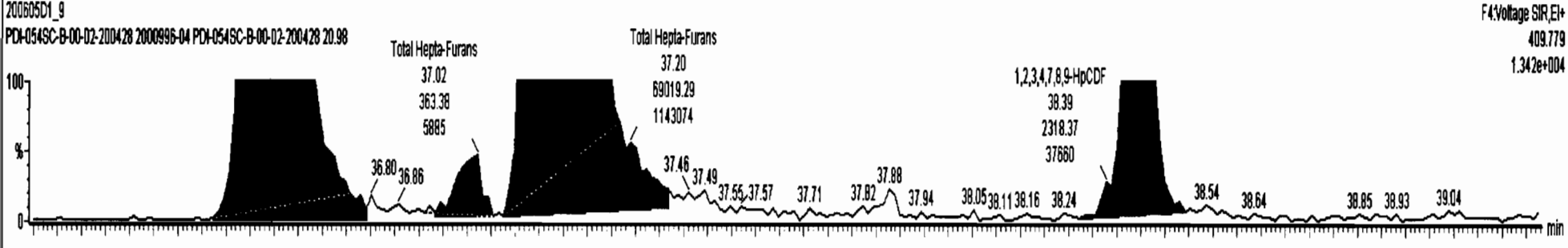
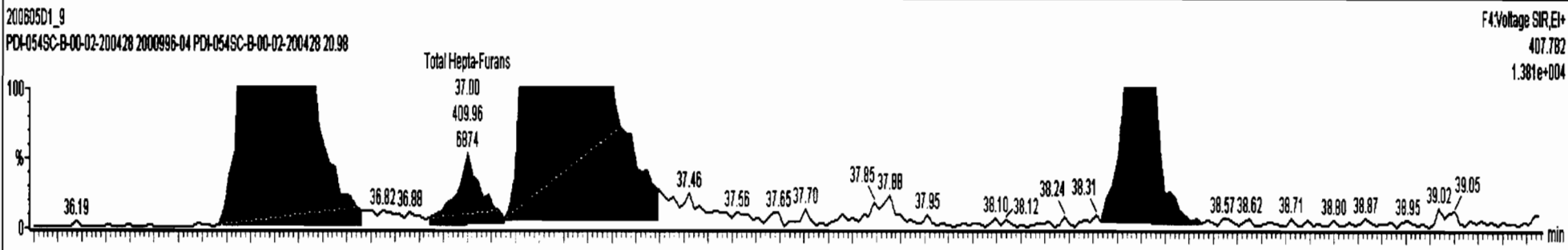


DPE4





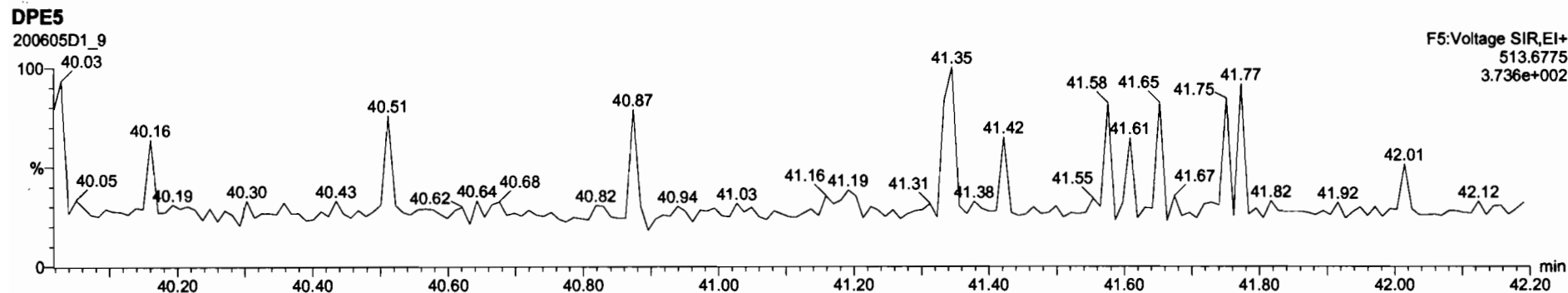
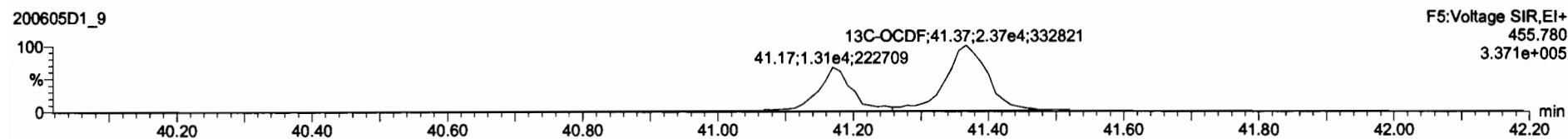
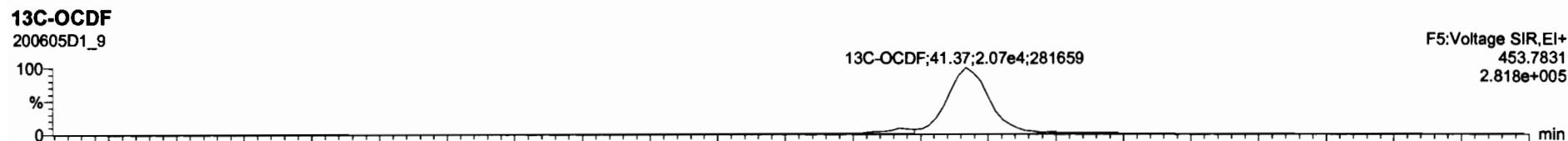
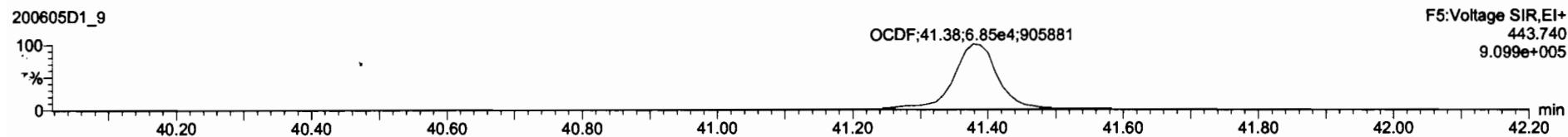
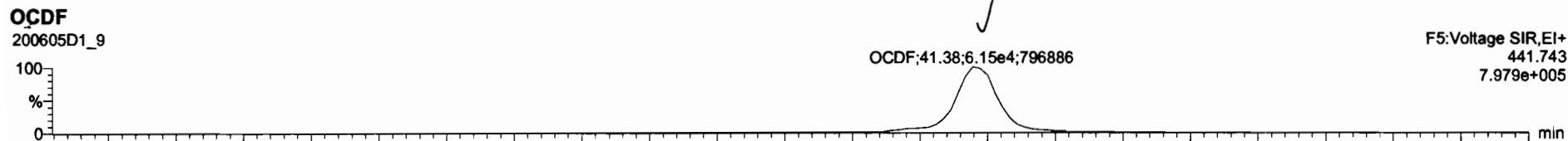


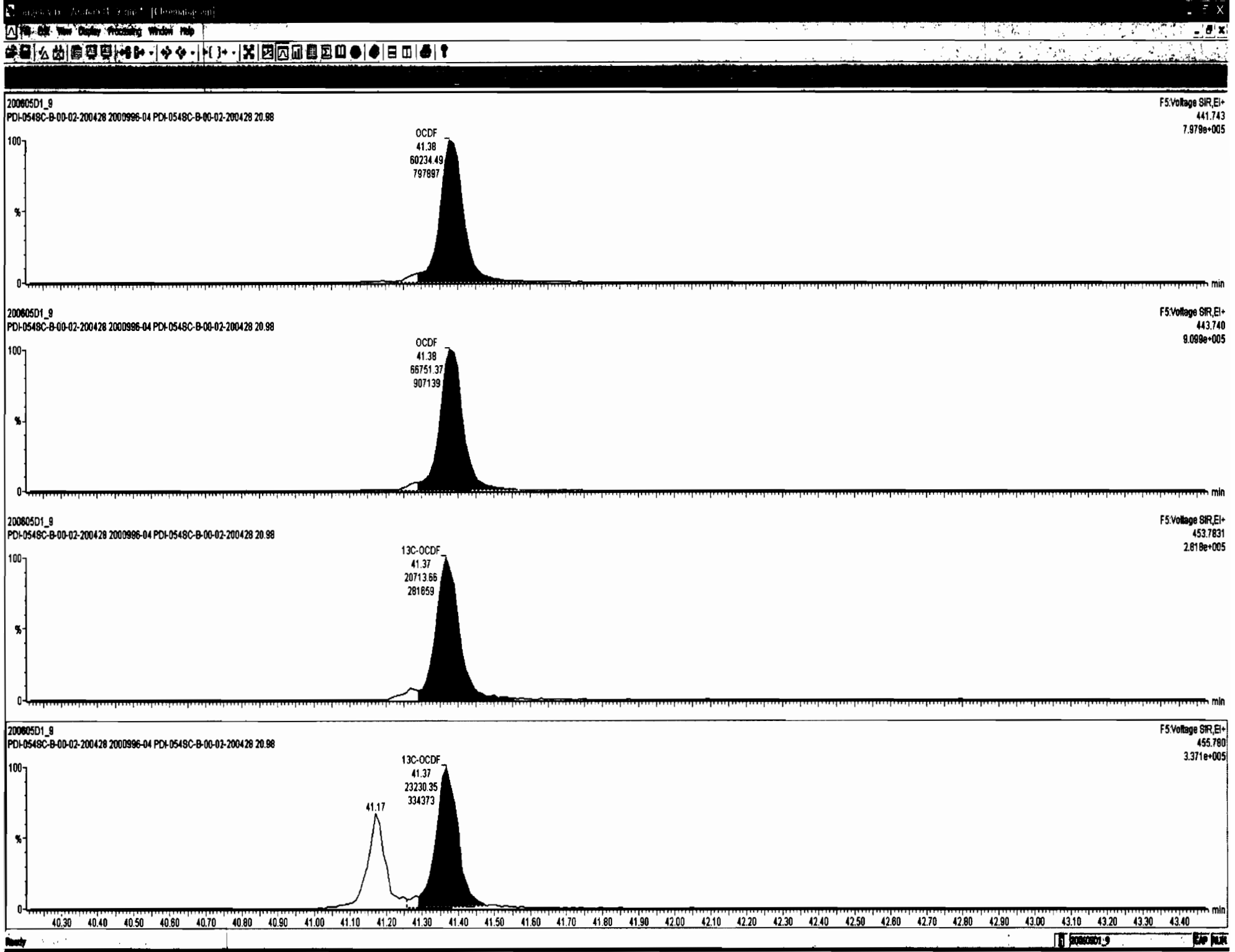


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_9.qld

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Printed: Tuesday, June 09, 2020 15:38:23 Pacific Daylight Time

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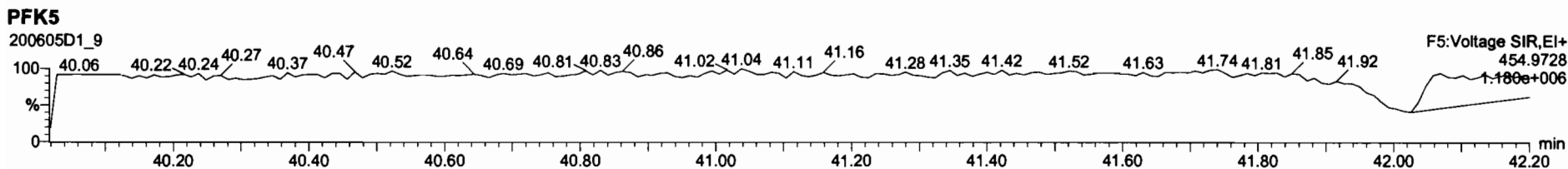
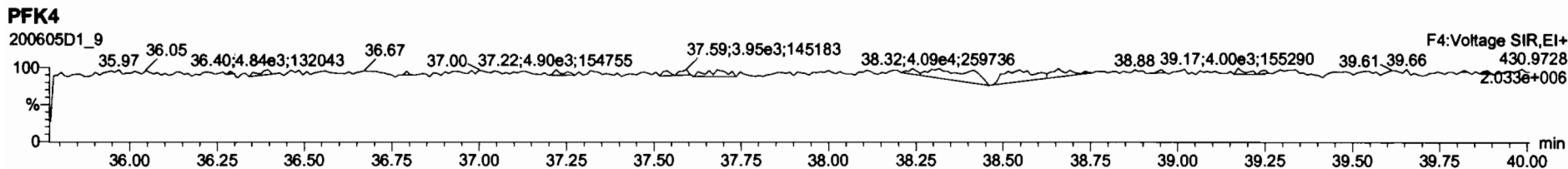
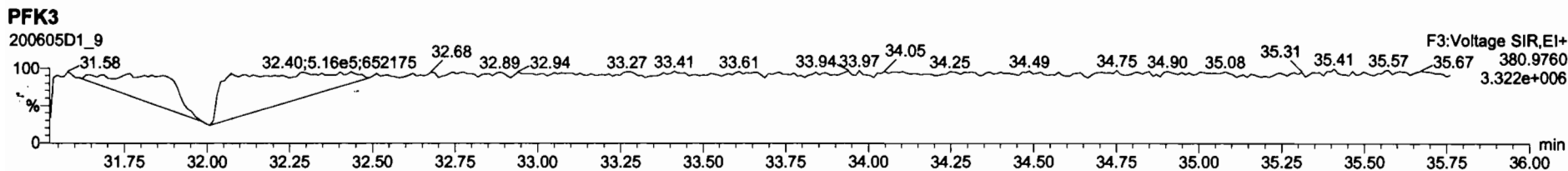
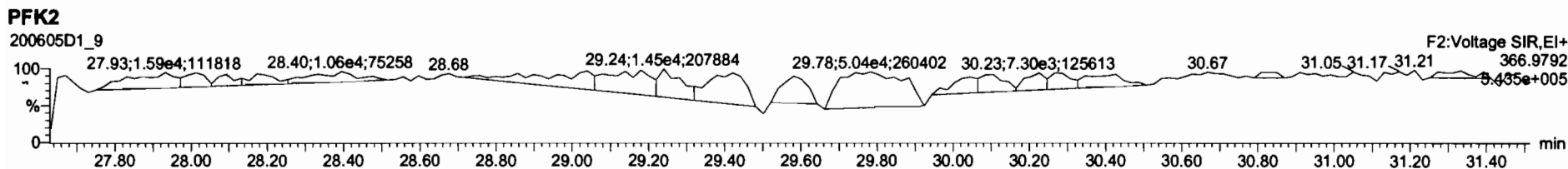
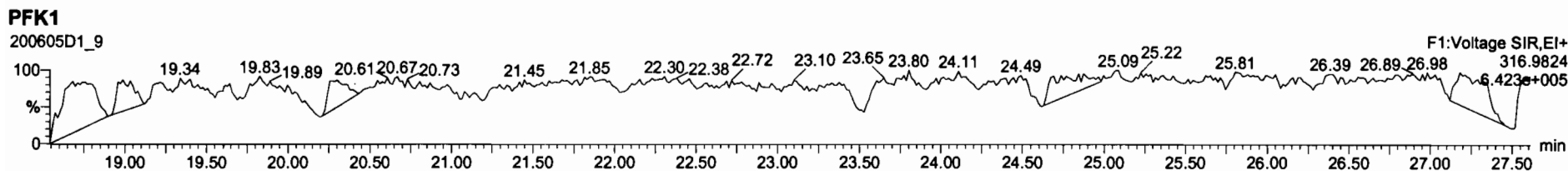




Dataset: U:\VG7.PRO\Results\200605D1\200605D1_9.qld

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Name: 200605D1_9, Date: 05-Jun-2020, Time: 18:22:38, ID: 2000996-04 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428



Dataset: U:\VG7.PRO\Results\200615D1\200615D1_8.qld

Last Altered: Tuesday, June 16, 2020 09:54:43 Pacific Daylight Time
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DB 6/16/20 0707/09/2020

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

Name: 200615D1_8, Date: 15-Jun-2020, Time: 18:45:26, ID: 2000996-04@10X PDI-054SC-B-00-02-200428 1:10 20.98, Description: PDI-054SC-B-00-02-200428 1:10

6	1,2,3,4,6,7,8-HpCDD	1.72e4	1.02	NO	0.997	10.013	37.900	37.91	1.000	1.001	3603.5	30.4	3600
7	OCDD	1.15e5	0.88	NO	1.01	10.013	41.203	41.22	1.000	1.001	33873	63.5	33900
23	13C-1,2,3,4,6,7,8-HpCDD	9.57e2	0.95	NO	0.662	10.013	37.821	37.89	1.129	1.131	46.225	23.1	3.93
24	13C-OCDD	1.33e3	0.87	NO	0.608	10.013	40.850	41.20	1.219	1.230	70.103	17.5	1.52
38	13C-1,2,3,4,6,9-HxCDF	6.25e3	0.48	NO	1.00	10.013	33.530	33.50	1.000	1.000	199.74	100	4.20

Dataset: U:\VG7.PRO\Results\200615D1\200615D1_8.qld

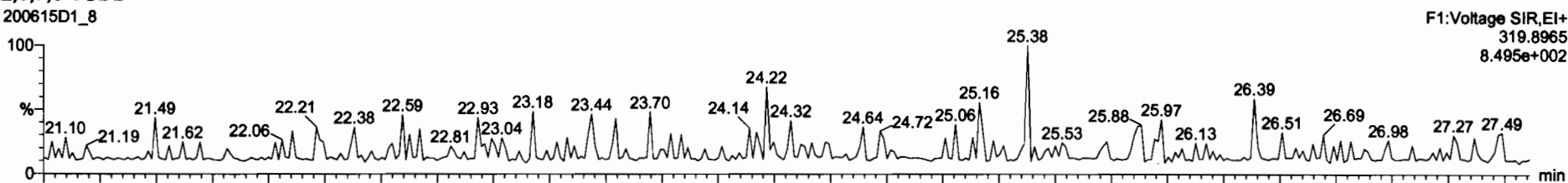
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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
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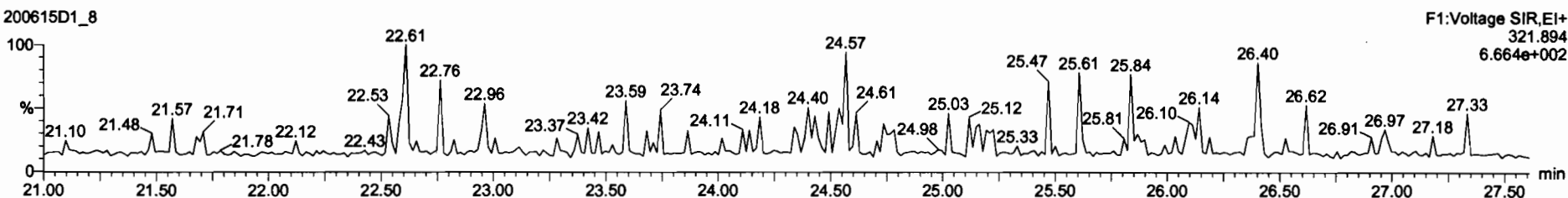
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2,3,7,8-TCDD

200615D1_8

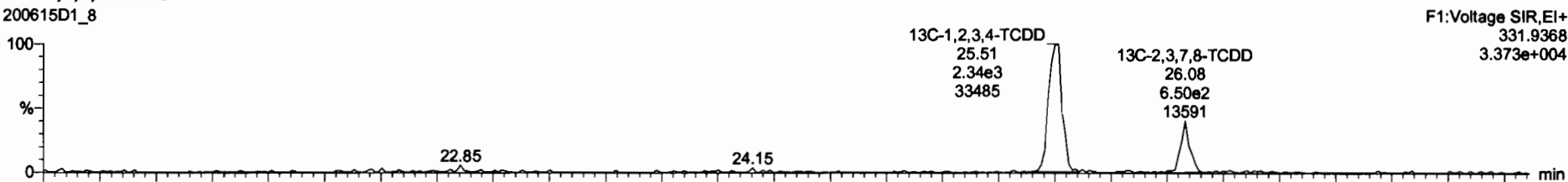


200615D1_8

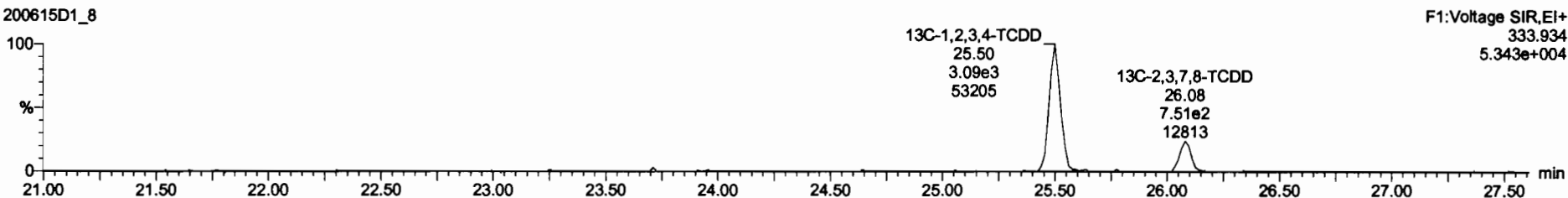


13C-2,3,7,8-TCDD

200615D1_8



200615D1_8

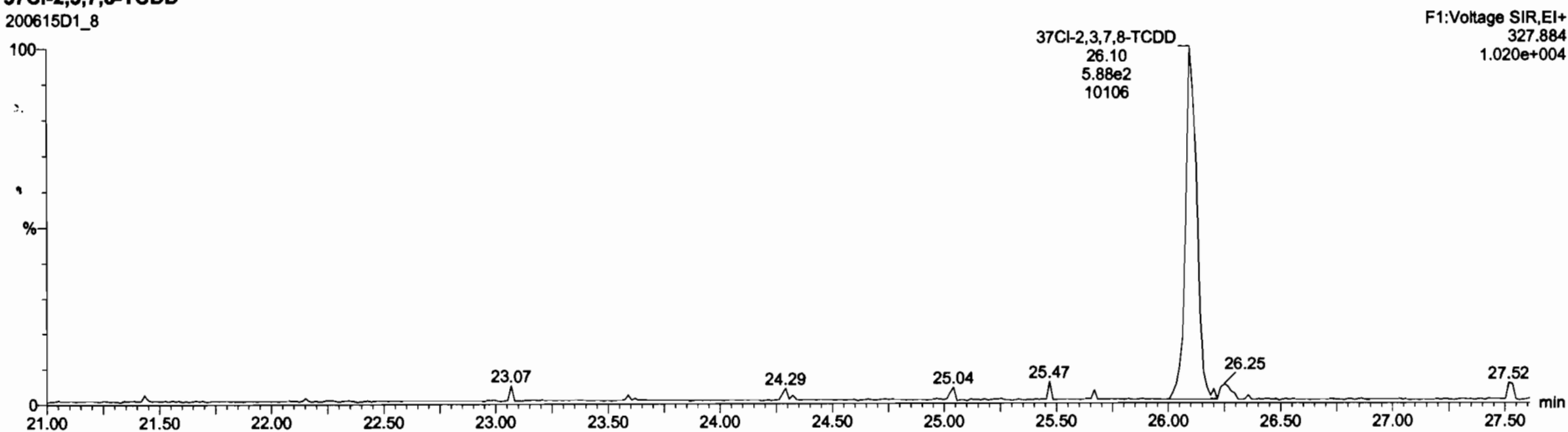


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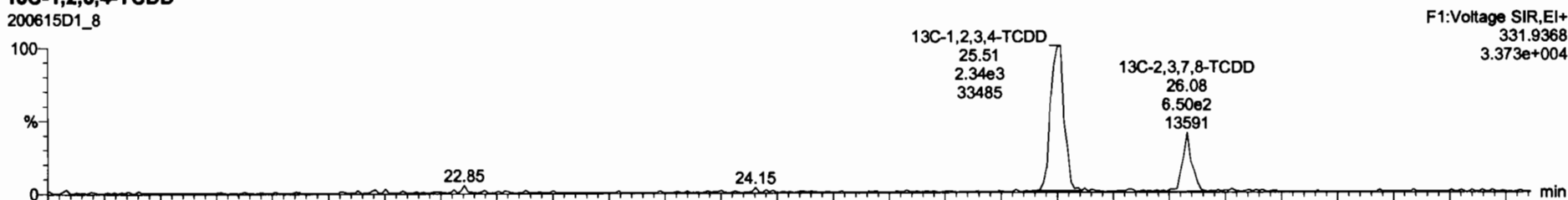
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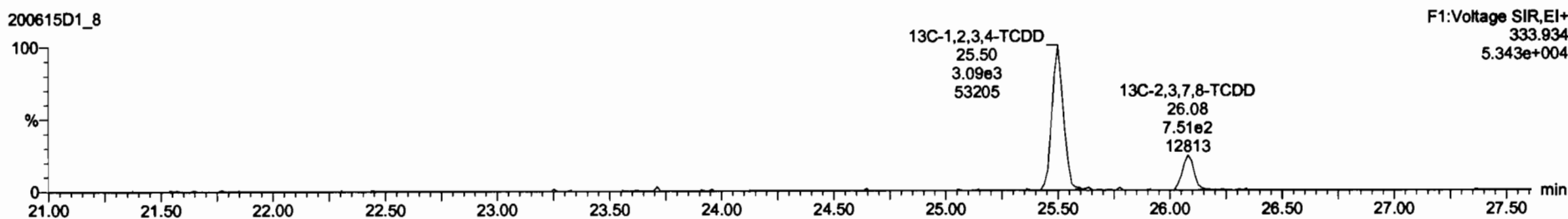
37Cl-2,3,7,8-TCDD
200615D1_8



13C-1,2,3,4-TCDD
200615D1_8



200615D1_8



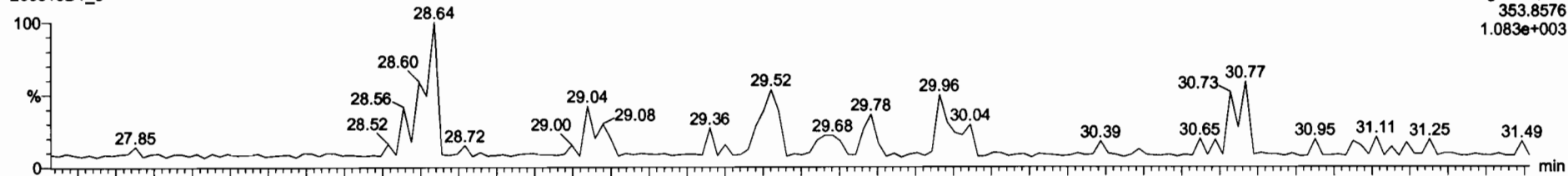
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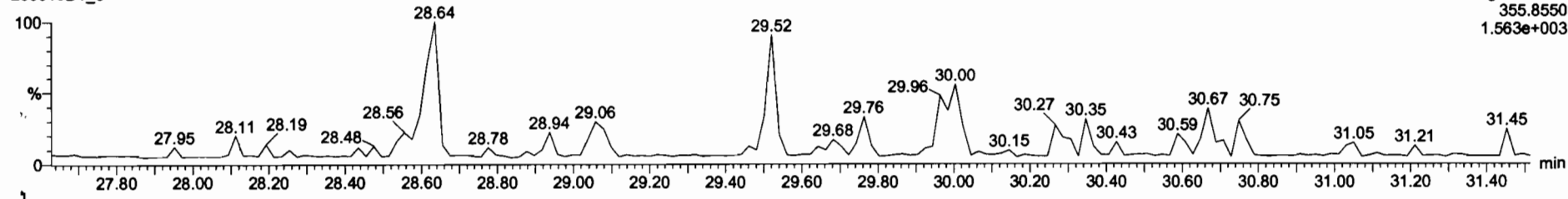
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1,2,3,7,8-PeCDD

200615D1_8

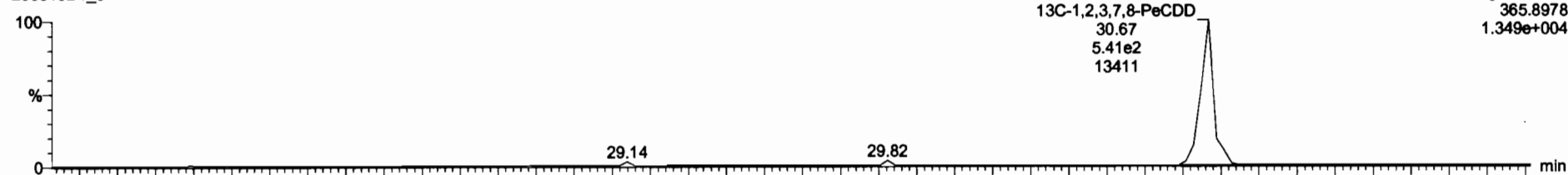


200615D1_8

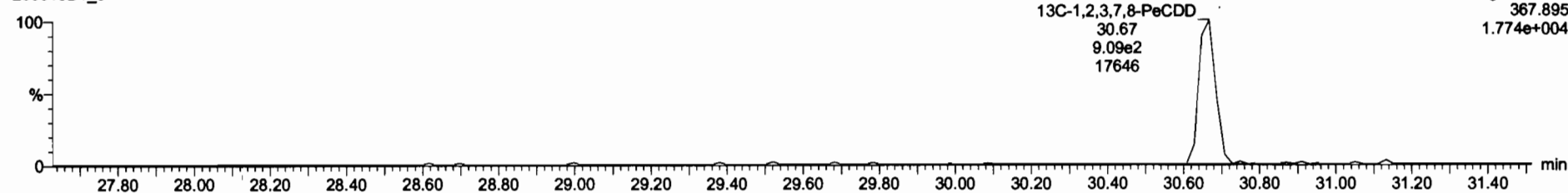


13C-1,2,3,7,8-PeCDD

200615D1_8



200615D1_8



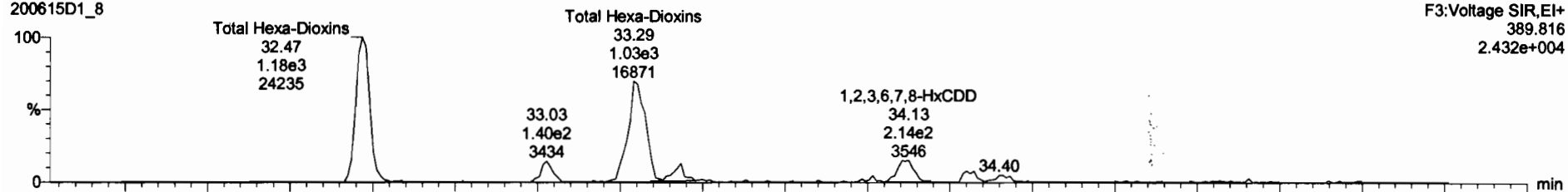
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Printed: Tuesday, June 16, 2020 09:53:06 Pacific Daylight Time

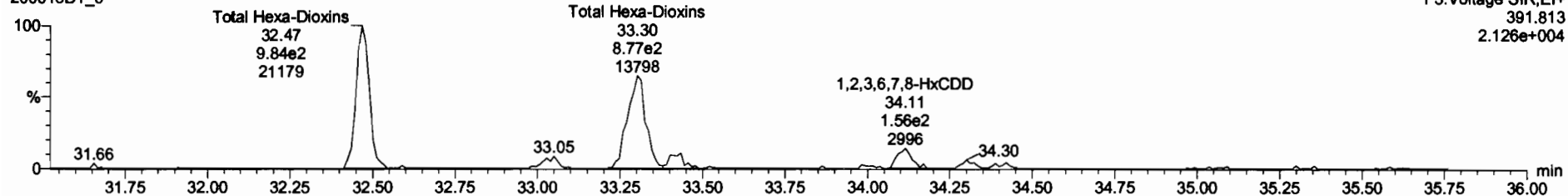
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1,2,3,4,7,8-HxCDD

200615D1_8

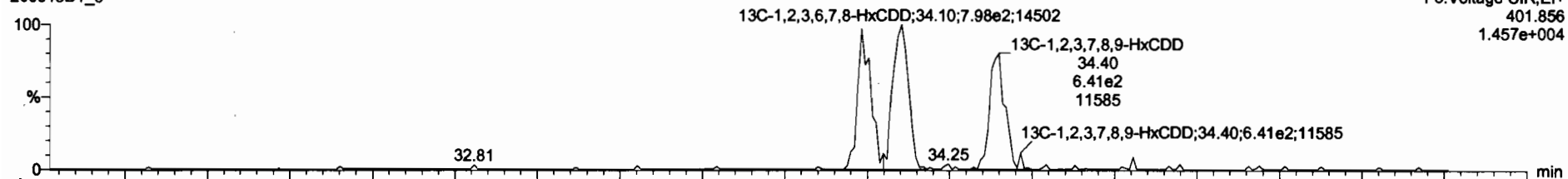


200615D1_8

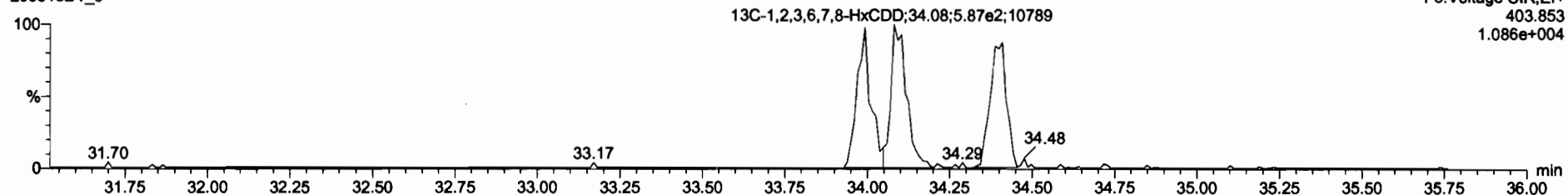


13C-1,2,3,4,7,8-HxCDD

200615D1_8



200615D1_8



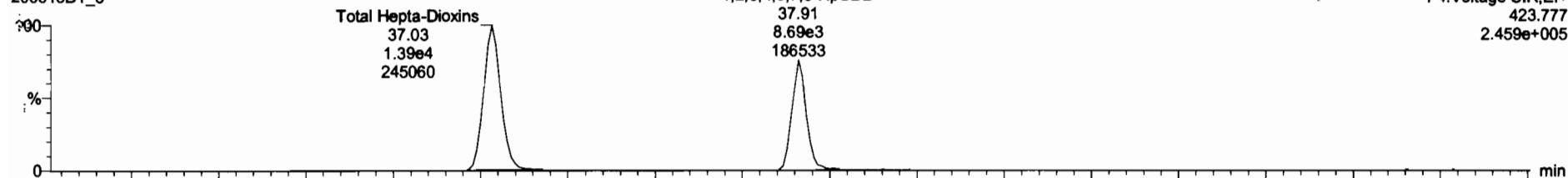
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Printed: Tuesday, June 16, 2020 09:53:06 Pacific Daylight Time

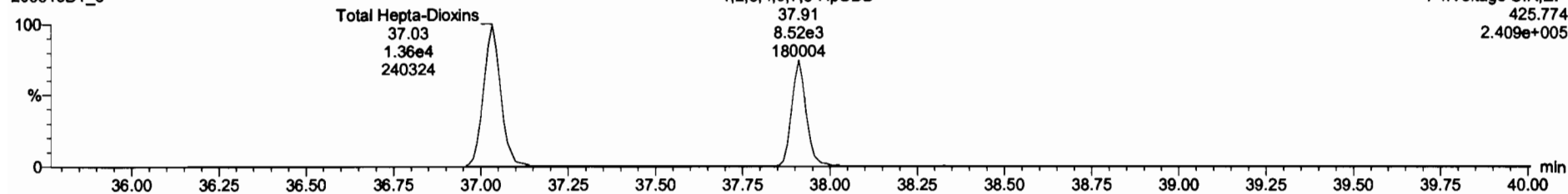
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1,2,3,4,6,7,8-HpCDD

200615D1_8

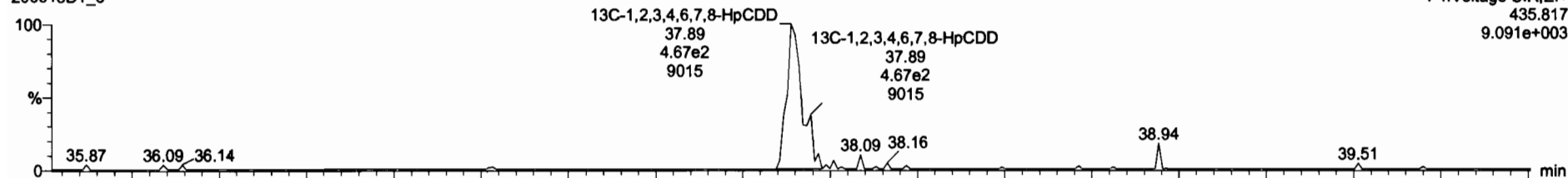


200615D1_8

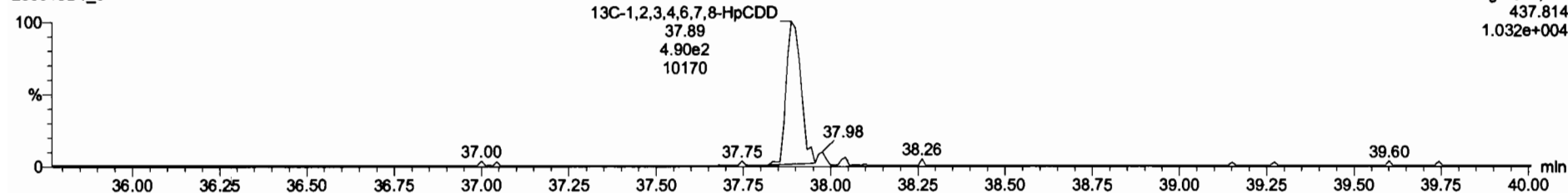


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200615D1_8



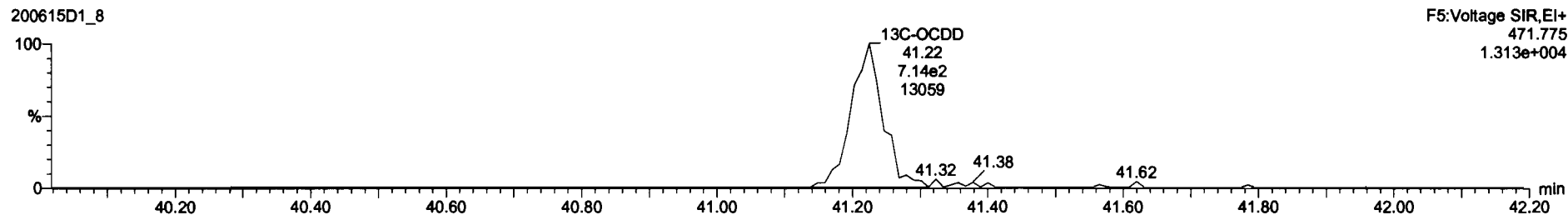
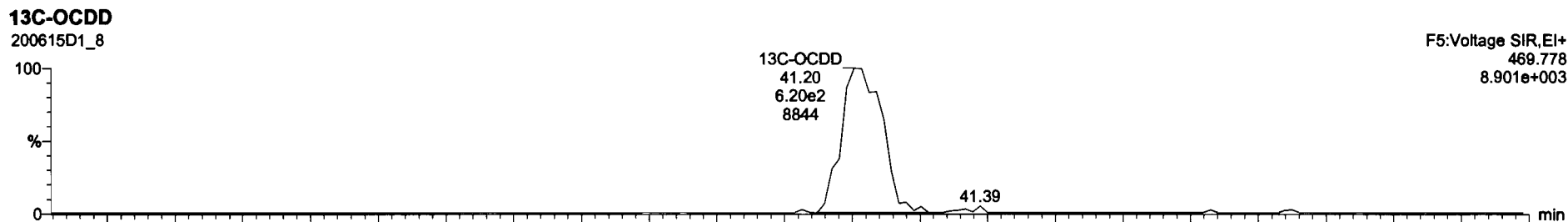
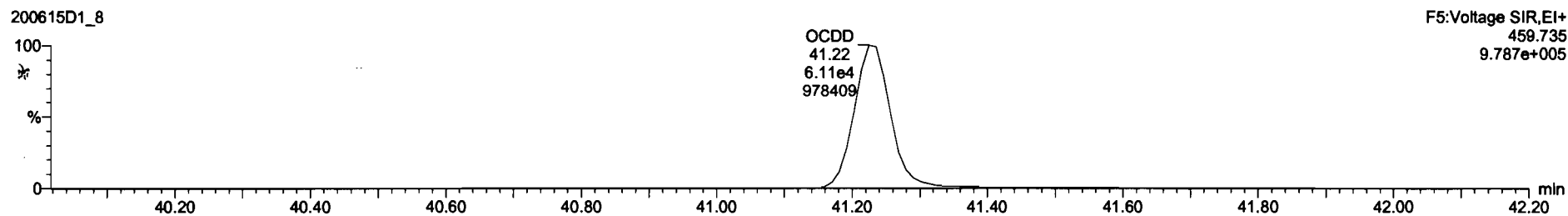
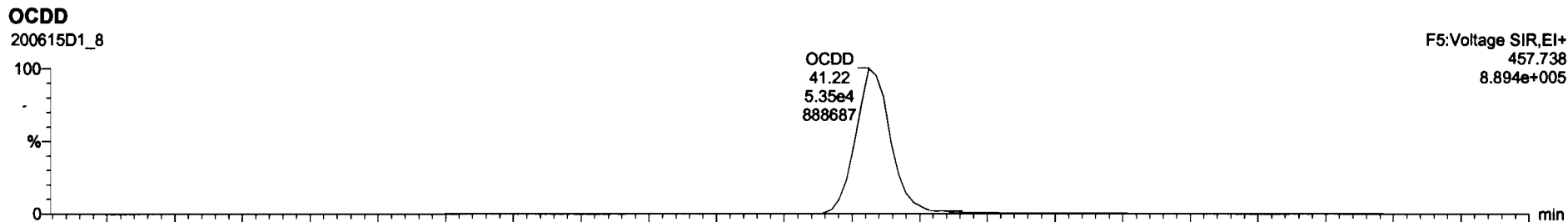
200615D1_8



Dataset: U:\VG7.PRO\Results\200615D1\200615D1_8.qld

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Name: 200615D1_8, Date: 15-Jun-2020, Time: 18:45:26, ID: 2000996-04@10X PDI-054SC-B-00-02-200428 1:10 20.98, Description: PDI-054SC-B-00-02-200428 1:10



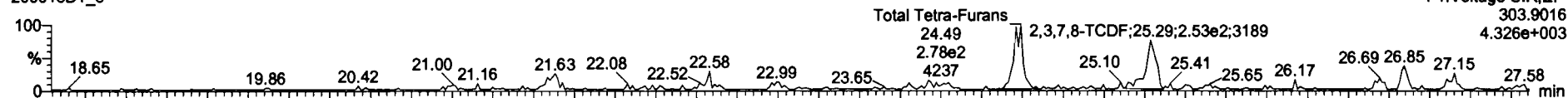
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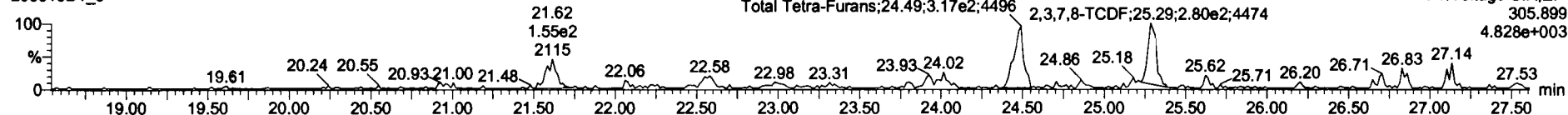
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2,3,7,8-TCDF

200615D1_8

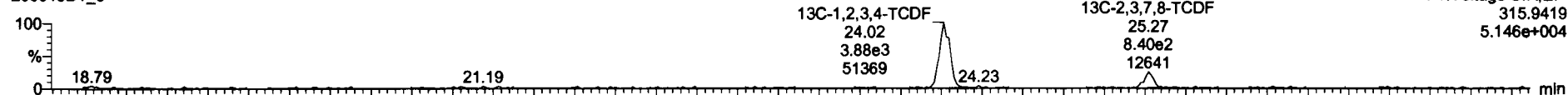


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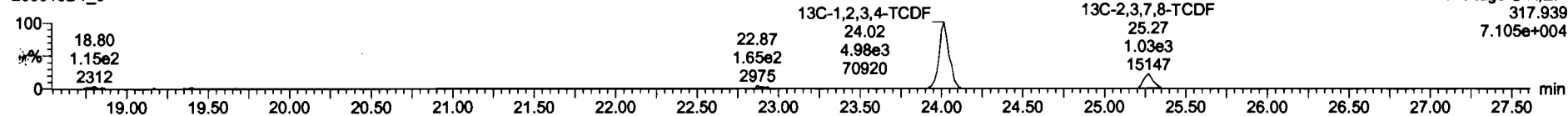


13C-2,3,7,8-TCDF

200615D1_8

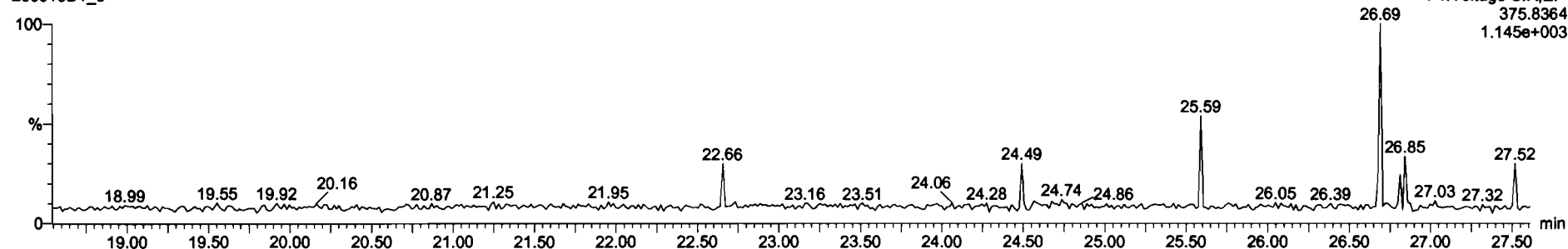


200615D1_8



DPE1

200615D1_8



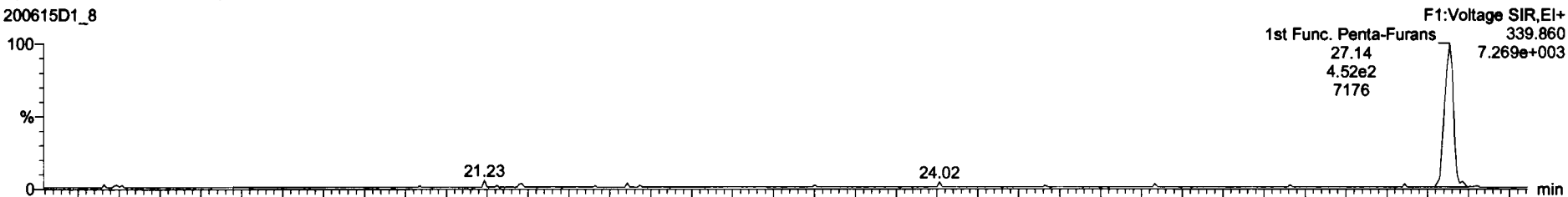
Dataset: U:\VG7.PRO\Results\200615D1\200615D1_8.qld

Last Altered: Tuesday, June 16, 2020 09:34:16 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 09:53:06 Pacific Daylight Time

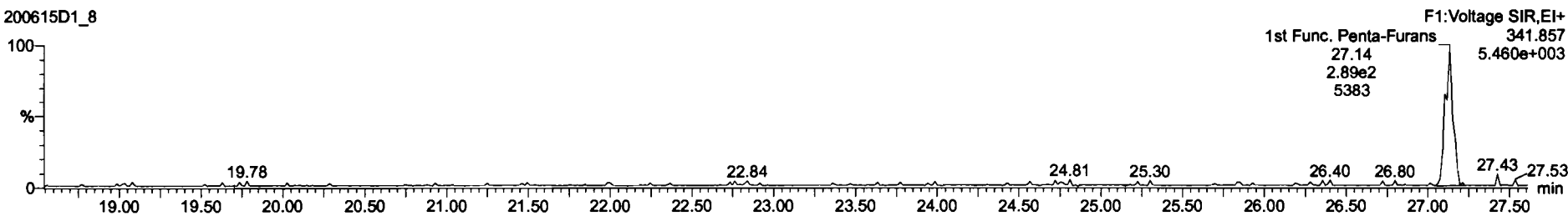
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200615D1_8

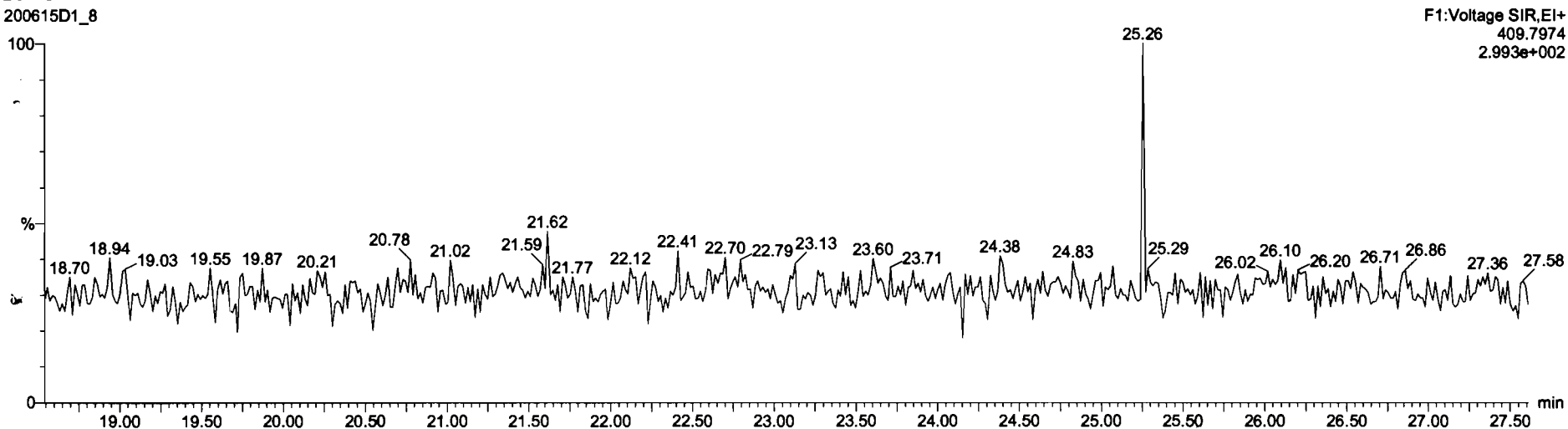


200615D1_8



DPE6

200615D1_8



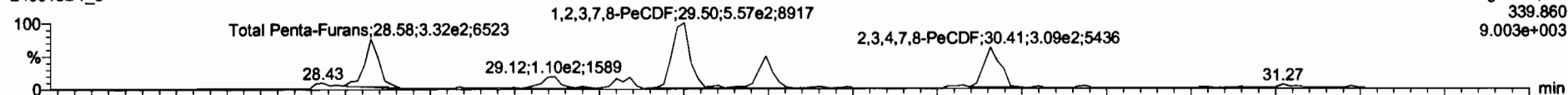
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Printed: Tuesday, June 16, 2020 09:53:06 Pacific Daylight Time

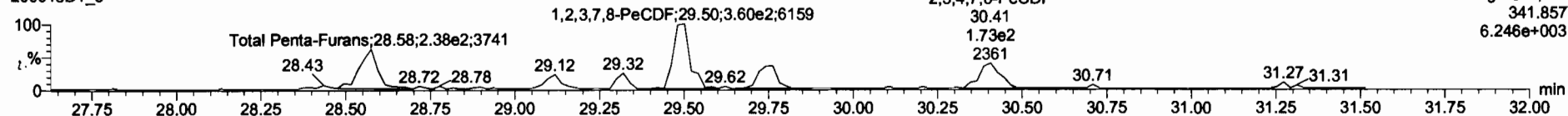
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1,2,3,7,8-PeCDF

200615D1_8

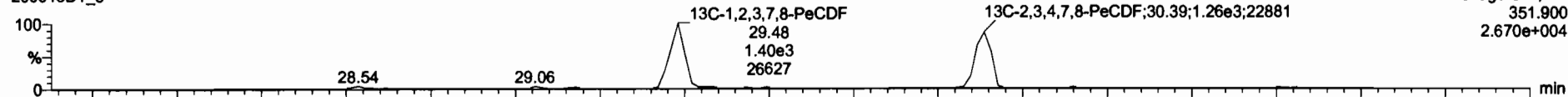


200615D1_8

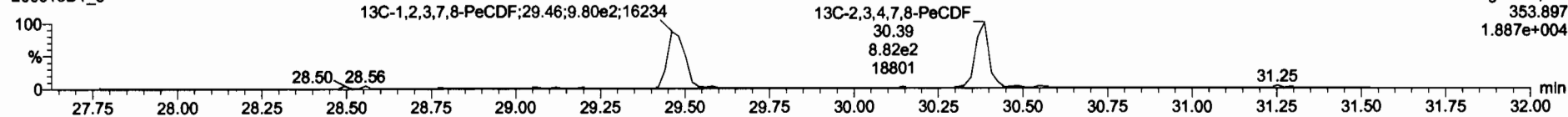


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200615D1_8

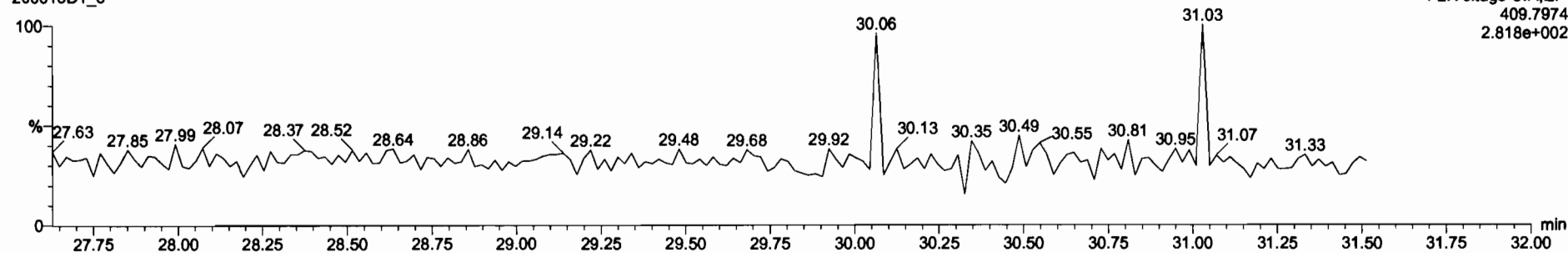


200615D1_8



DPE2

200615D1_8



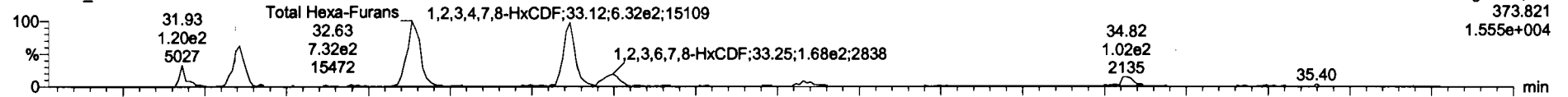
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Printed: Tuesday, June 16, 2020 09:53:06 Pacific Daylight Time

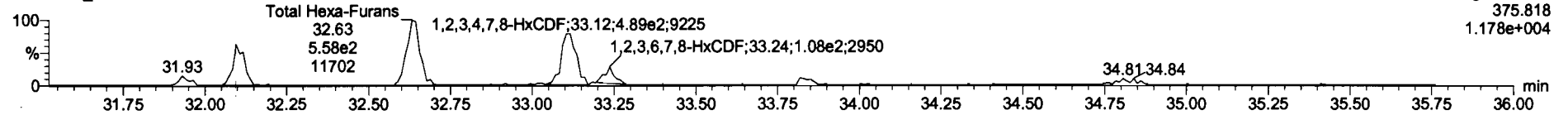
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1,2,3,4,7,8-HxCDF

200615D1_8

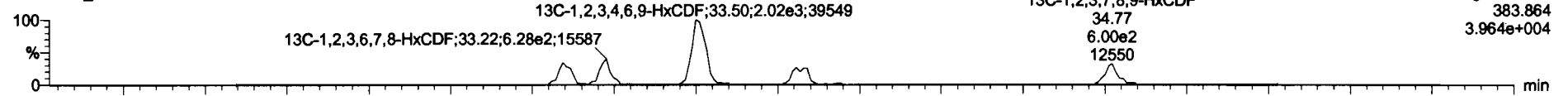


200615D1_8

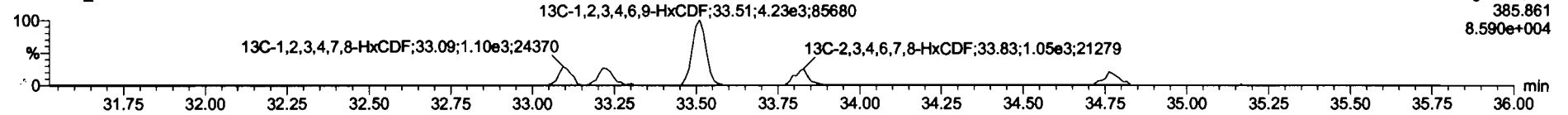


13C-1,2,3,4,7,8-HxCDF

200615D1_8

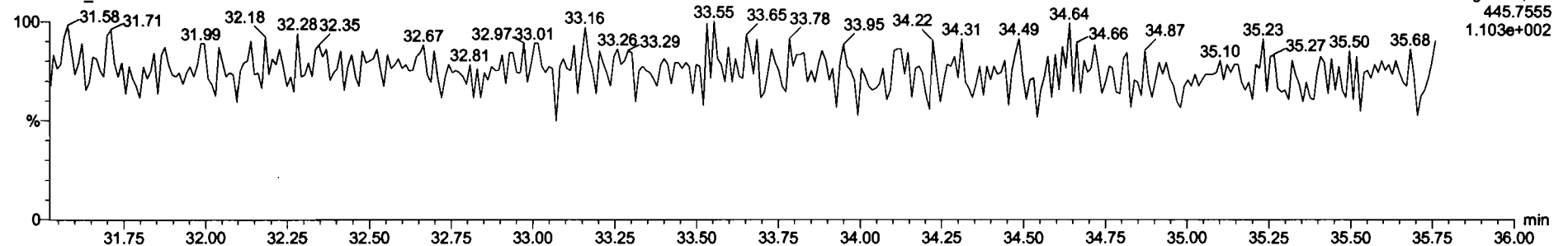


200615D1_8



DPE3

200615D1_8

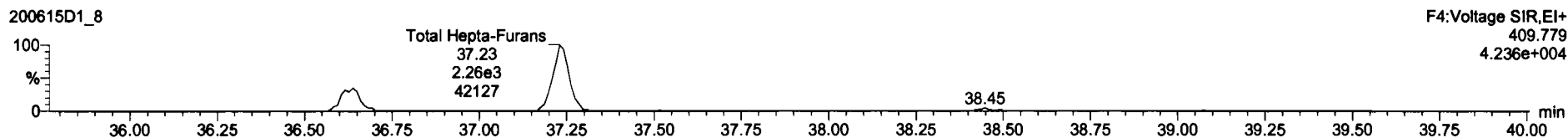


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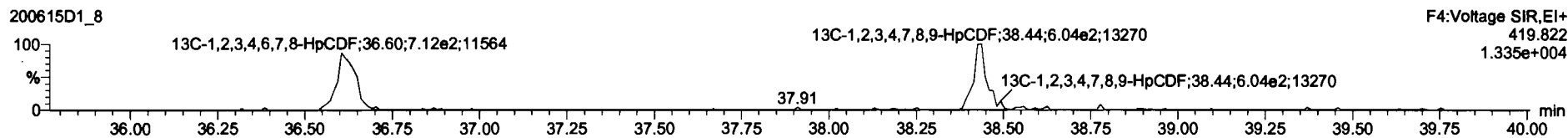
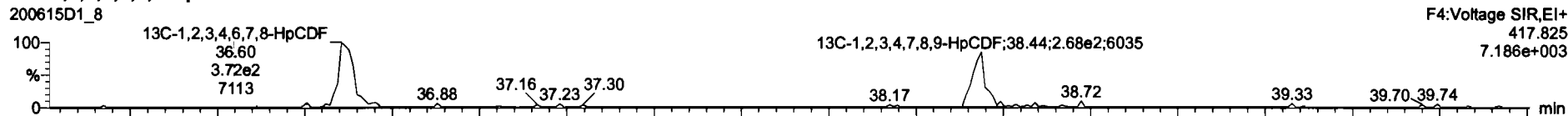
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Printed: Tuesday, June 16, 2020 09:53:06 Pacific Daylight Time

Name: 200615D1_8, Date: 15-Jun-2020, Time: 18:45:26, ID: 2000996-04@10X PDI-054SC-B-00-02-200428 1:10 20.98, Description: PDI-054SC-B-00-02-200428 1:10

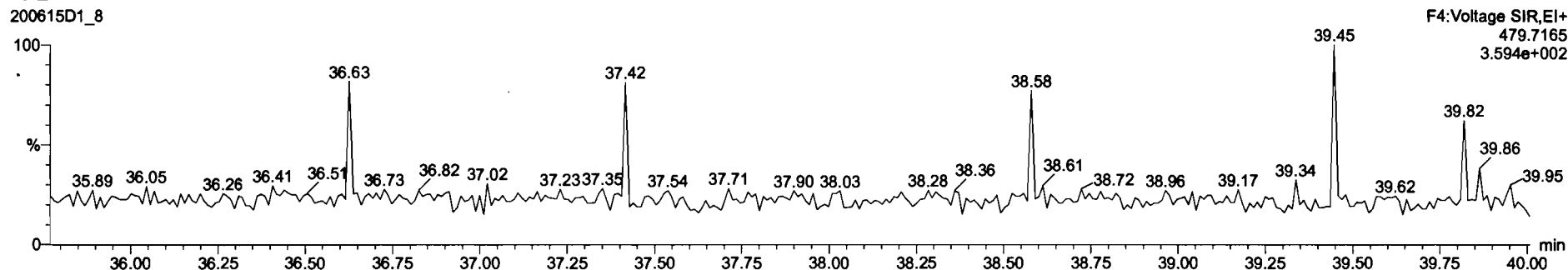
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13C-1,2,3,4,6,7,8-HpCDF



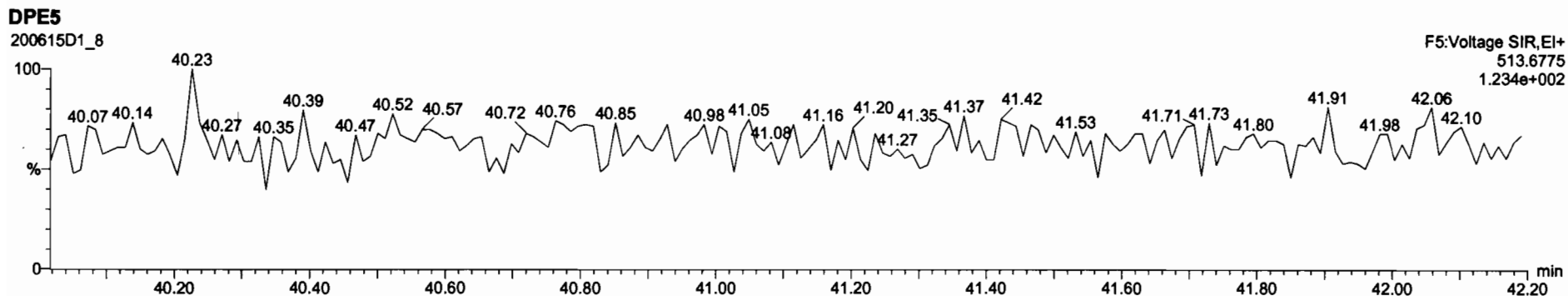
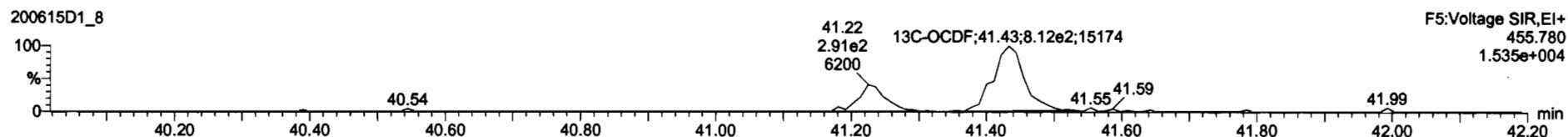
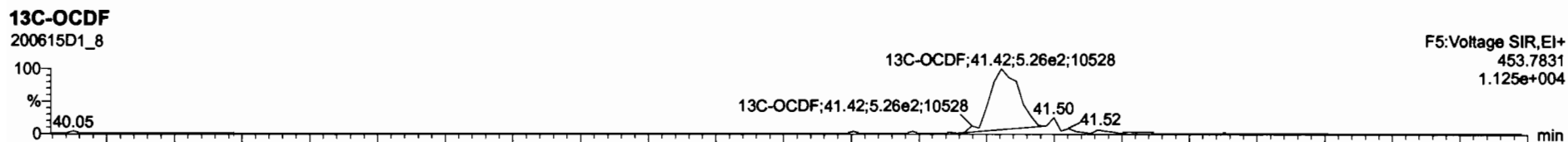
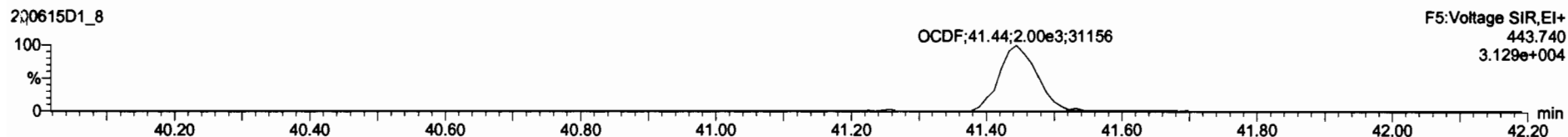
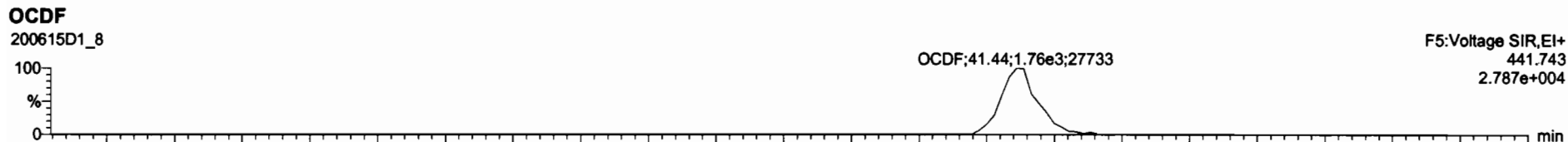
DPE4



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Printed: Tuesday, June 16, 2020 09:53:06 Pacific Daylight Time

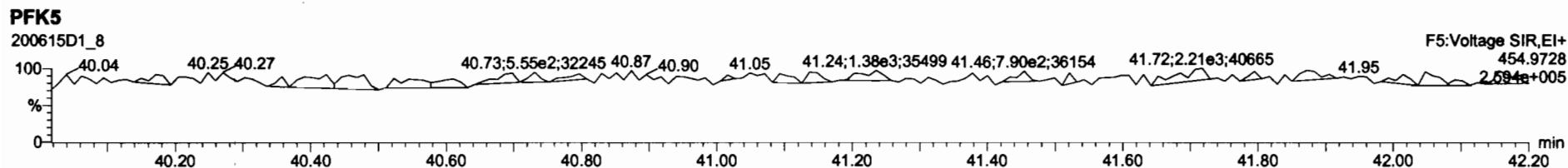
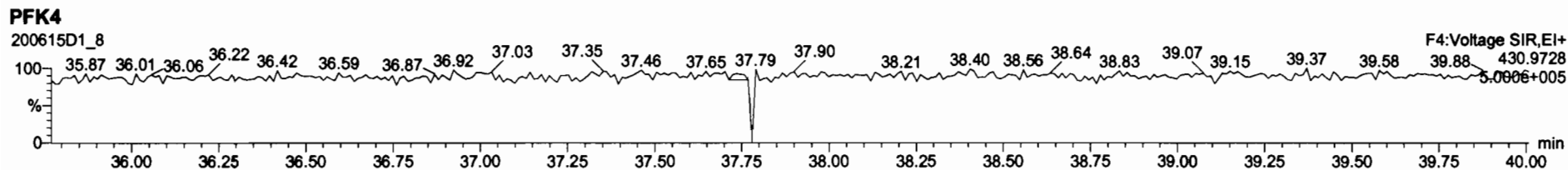
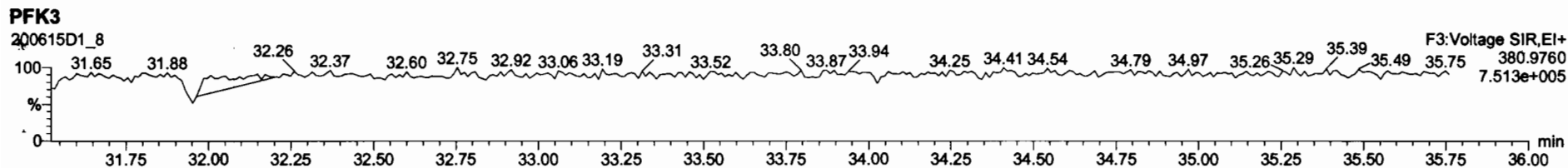
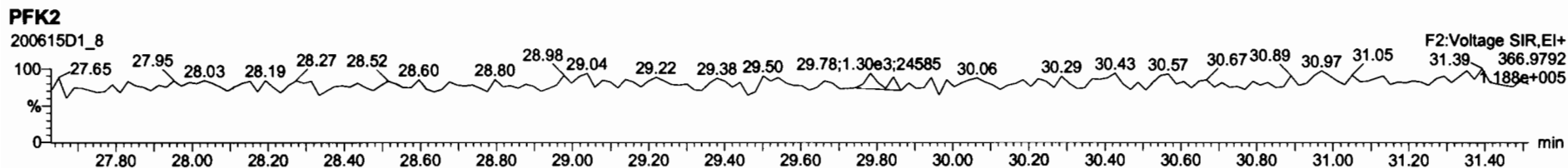
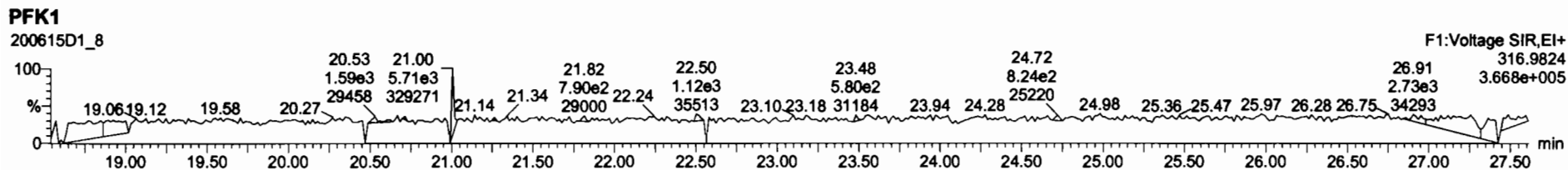
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Dataset: U:\VG7.PRO\Results\200615D1\200615D1_8.qld

Last Altered: Tuesday, June 16, 2020 09:34:16 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 09:53:06 Pacific Daylight Time

Name: 200615D1_8, Date: 15-Jun-2020, Time: 18:45:26, ID: 2000996-04@10X PDI-054SC-B-00-02-200428 1:10 20.98, Description: PDI-054SC-B-00-02-200428 1:10



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_10.qld

Last Altered: Tuesday, June 09, 2020 15:33:55 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 15:35:31 Pacific Daylight Time

DB 6/9/20 C707/08/2020

Method: Untitled 27 Apr 2020 14:17:24

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

Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

1	2,3,7,8-TCDD			NO	0.987	10.053	26.173		1.001				0.350	
2	1,2,3,7,8-PeCDD	1.66e2	0.37	YES	0.982	10.053	30.670	30.67	1.001	1.001	0.65737		0.427	0.461
3	1,2,3,4,7,8-HxCDD			NO	1.17	10.053	33.982		1.000				0.473	
4	1,2,3,6,7,8-HxCDD	1.13e2	1.80	YES	1.04	10.053	34.082	34.10	1.000	1.001	0.47813		0.486	0.384
5	1,2,3,7,8,9-HxCDD	9.06e1	1.43	YES	1.00	10.053	34.412	34.40	1.001	1.001	0.44228		0.587	0.407
6	1,2,3,4,6,7,8-HpCDD	1.02e3	1.09	NO	0.992	10.053	37.867	37.88	1.000	1.001	6.7844		0.641	6.78
7	OCDD	4.55e3	0.82	NO	1.04	10.053	41.269	41.28	1.000	1.000	60.297		1.52	60.3
8	2,3,7,8-TCDF	3.42e2	1.05	YES	0.882	10.053	25.372	25.38	1.001	1.001	0.75883		0.542	0.653
9	1,2,3,7,8-PeCDF	1.39e2	1.31	YES	1.05	10.053	29.542	29.52	1.001	1.000	0.32241		0.528	0.301
10	2,3,4,7,8-PeCDF	3.21e2	1.72	NO	1.06	10.053	30.417	30.41	1.001	1.001	0.76478		0.422	0.765
11	1,2,3,4,7,8-HxCDF	2.81e2	1.21	NO	1.08	10.053	33.083	33.10	1.000	1.001	0.89150		0.391	0.892
12	1,2,3,6,7,8-HxCDF	1.45e2	1.13	NO	1.04	10.053	33.214	33.21	1.000	1.000	0.46258		0.371	0.483
13	2,3,4,6,7,8-HxCDF	2.14e2	1.21	NO	1.11	10.053	33.841	33.82	1.001	1.000	0.81893		0.518	0.819
14	1,2,3,7,8,9-HxCDF			NO	1.06	10.053	34.751		1.000				0.637	
15	1,2,3,4,6,7,8-HpCDF	5.97e2	1.25	YES	1.13	10.053	36.631	36.63	1.001	1.001	2.7852		0.449	2.52
16	1,2,3,4,7,8,9-HpCDF			NO	1.33	10.053	38.394		1.000				0.586	
17	OCDF	2.75e2	1.00	NO	0.933	10.053	41.488	41.52	1.000	1.001	3.2901		0.949	3.29
18	13C-2,3,7,8-TCDD	7.42e4	0.79	NO	1.21	10.053	26.226	26.14	1.026	1.023	62.520	31.4	0.351	
19	13C-1,2,3,7,8-PeCDD	5.10e4	0.60	NO	0.996	10.053	30.724	30.65	1.202	1.199	52.144	26.2	0.259	
20	13C-1,2,3,4,7,8-HxCDD	4.02e4	1.32	NO	0.679	10.053	33.958	33.97	1.014	1.014	59.167	29.7	0.409	
21	13C-1,2,3,6,7,8-HxCDD	4.51e4	1.31	NO	0.850	10.053	34.068	34.08	1.017	1.018	53.059	26.7	0.327	
22	13C-1,2,3,7,8,9-HxCDD	4.07e4	1.27	NO	0.798	10.053	34.340	34.38	1.025	1.027	50.912	25.6	0.348	
23	13C-1,2,3,4,6,7,8-HpCDD	3.01e4	1.11	NO	0.697	10.053	37.809	37.86	1.129	1.130	43.166	21.7	0.301	
24	13C-OCDD	2.90e4	0.96	NO	0.579	10.053	41.268	41.27	1.232	1.232	50.051	12.6	0.336	
25	13C-2,3,7,8-TCDF	1.02e5	0.78	NO	1.13	10.053	25.305	25.35	0.990	0.992	57.186	28.7	0.444	
26	13C-1,2,3,7,8-PeCDF	8.20e4	1.64	NO	0.996	10.053	29.541	29.52	1.156	1.155	52.015	26.1	0.288	
27	13C-2,3,4,7,8-PeCDF	7.87e4	1.69	NO	0.969	10.053	30.443	30.39	1.191	1.189	51.304	25.8	0.296	
28	13C-1,2,3,4,7,8-HxCDF	5.79e4	0.50	NO	1.06	10.053	33.087	33.08	0.988	0.988	54.738	27.5	0.335	
29	13C-1,2,3,6,7,8-HxCDF	5.97e4	0.50	NO	1.18	10.053	33.221	33.20	0.992	0.991	50.820	25.5	0.302	
30	13C-2,3,4,6,7,8-HxCDF	4.69e4	0.51	NO	1.06	10.053	33.794	33.81	1.009	1.009	44.370	22.3	0.336	
31	13C-1,2,3,7,8,9-HxCDF	4.26e4	0.49	NO	0.879	10.053	34.695	34.75	1.036	1.038	48.390	24.3	0.403	

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_10.qld

Last Altered: Tuesday, June 09, 2020 15:33:55 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 15:35:31 Pacific Daylight Time

Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

32	13C-1,2,3,4,6,7,8-HpCDF	3.78e4	0.44	NO	0.893	10.053	36.403	36.59	1.087	1.093	42.377	21.3	0.277	
33	13C-1,2,3,4,7,8,9-HpCDF	2.29e4	0.45	NO	0.613	10.053	38.412	38.39	1.147	1.146	37.328	18.8	0.403	
34	13C-OCDF	3.57e4	0.87	NO	0.741	10.053	40.991	41.49	1.224	1.239	48.137	12.1	0.315	
35	37Cl-2,3,7,8-TCDD	2.78e4			1.18	10.053	26.223	26.16	1.026	1.023	24.003	30.2	0.0859	
36	13C-1,2,3,4-TCDD	1.96e5	0.80	NO	1.00	10.053	25.480	25.56	1.000	1.000	198.94	100	0.424	
37	13C-1,2,3,4-TCDF	3.15e5	0.80	NO	1.00	10.053	24.020	24.14	1.000	1.000	198.94	100	0.500	
38	13C-1,2,3,4,6,9-HxCDF	1.99e5	0.49	NO	1.00	10.053	33.530	33.49	1.000	1.000	198.94	100	0.355	
39	Total Tetra-Dioxins				0.987	10.053	24.620		0.000		0.98842		0.350	3.72
40	Total Penta-Dioxins				0.982	10.053	29.960		0.000		1.9886		0.427	5.65
41	Total Hexa-Dioxins				1.04	10.053	33.635		0.000		2.6944		0.508	5.64
42	Total Hepta-Dioxins				0.992	10.053	37.640		0.000		16.960		0.641	17.0
43	Total Tetra-Furans				0.882	10.053	23.610		0.000		11.020		0.512	17.7
44	1st Func. Penta-Furans				1.05	10.053	27.090		0.000		7.3770		0.134	7.38
45	Total Penta-Furans				1.05	10.053	29.275		0.000		3.7275		0.479	8.42
46	Total Hexa-Furans				1.11	10.053	33.555		0.000		8.4297		0.449	8.89
47	Total Hepta-Furans				1.13	10.053	37.835		0.000		2.9236		0.540	5.45

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Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

Tetra-Dioxins

	Height	m/z	Height	m/z	Height	m/z	Height	m/z	Height	m/z	Height	m/z
Total Tetra-Dioxins	22.75	1.699e3	1.783e3	1.535e2	1.443e2	1.06	YES	0.000e0	0.00000	0.69436	0.350	
Total Tetra-Dioxins	23.16	1.846e3	1.210e3	9.875e1	1.069e2	0.92	YES	0.000e0	0.00000	0.51444	0.350	
Total Tetra-Dioxins	23.53	1.421e3	1.086e3	6.455e1	4.167e1	1.55	YES	0.000e0	0.00000	0.20046	0.350	
Total Tetra-Dioxins	24.29	1.233e3	1.258e3	8.282e1	8.805e1	0.94	YES	0.000e0	0.00000	0.42362	0.350	
Total Tetra-Dioxins	24.52	1.425e3	1.783e3	1.220e2	1.403e2	0.87	NO	2.623e2	0.71300	0.71300	0.350	
Total Tetra-Dioxins	24.64	1.894e3	1.713e3	9.236e1	1.095e2	0.84	NO	0.000e0	0.00000	0.54875	0.350	
Total Tetra-Dioxins	25.24	9.910e2	1.066e3	4.643e1	5.490e1	0.85	NO	1.013e2	0.27542	0.27542	0.350	
Total Tetra-Dioxins	25.91	1.202e3	8.310e2	6.815e1	7.335e1	0.93	YES	0.000e0	0.00000	0.35289	0.350	

Penta-Dioxins

Total Penta-Dioxins	28.62	2.634e3	2.706e3	1.702e2	2.249e2	0.76	YES	0.000e0	0.00000	1.4540	0.427	
Total Penta-Dioxins	29.10	9.750e2	9.480e2	3.933e1	5.833e1	0.67	NO	9.766e1	0.38740	0.38740	0.427	
Total Penta-Dioxins	29.56	1.322e3	2.059e3	8.788e1	1.415e2	0.62	NO	0.000e0	0.00000	0.90976	0.427	
Total Penta-Dioxins	29.70	1.369e3	2.151e3	5.546e1	1.124e2	0.49	YES	0.000e0	0.00000	0.56915	0.427	
Total Penta-Dioxins	29.80	7.770e2	1.148e3	3.763e1	5.535e1	0.68	NO	9.298e1	0.36884	0.36884	0.427	
Total Penta-Dioxins	29.98	1.334e3	2.120e3	9.372e1	1.476e2	0.64	NO	2.413e2	0.95725	0.95725	0.427	
Total Penta-Dioxins	30.27	4.620e2	1.121e3	2.590e1	4.346e1	0.60	NO	6.936e1	0.27514	0.27514	0.427	
1,2,3,7,8-PeCDD	30.67	7.550e2	1.556e3	4.495e1	1.208e2	0.37	YES	1.657e2	0.00000	0.46130	0.427	
Total Penta-Dioxins	31.03	5.750e2	1.058e3	2.577e1	6.088e1	0.42	YES	0.000e0	0.00000	0.26446	0.427	

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_10.qld

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Hexa-Dioxins

Total Hexa-Dioxins	32.46	7.280e3	6.362e3	2.606e2	2.788e2	0.93	YES	0.000e0	0.00000	2.1539	0.508
Total Hexa-Dioxins	33.02	1.651e3	1.061e3	6.565e1	5.210e1	1.26	NO	1.178e2	0.53871	0.53871	0.508
Total Hexa-Dioxins	33.29	3.856e3	3.251e3	2.614e2	2.098e2	1.25	NO	4.712e2	2.1557	2.1557	0.508
1,2,3,6,7,8-HxCDD	34.10	1.417e3	9.070e2	7.228e1	4.024e1	1.80	YES	1.125e2	0.00000	0.38385	0.456
1,2,3,7,8,9-HxCDD	34.40	1.417e3	9.310e2	5.340e1	3.723e1	1.43	YES	9.063e1	0.00000	0.40699	0.557

Hepta-Dioxins

Total Hepta-Dioxins	37.00	1.059e4	8.947e3	7.553e2	7.707e2	0.98	NO	1.526e3	10.176	10.176	0.641
1,2,3,4,6,7,8-HpCDD	37.88	9.187e3	5.747e3	5.317e2	4.857e2	1.09	NO	1.017e3	6.7844	6.7844	0.641

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Dataset: U:\VG7.PRO\Results\200605D1\200605D1_10.qld

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Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

Tetra-Furans

Total Tetra-Furans	21.19	3.249e3	3.805e3	2.758e2	3.412e2	0.81	NO	6.170e2	1.3643	1.3643	0.512
Total Tetra-Furans	21.83	6.625e3	1.062e4	7.209e2	1.033e3	0.70	NO	1.754e3	3.8789	3.8789	0.512
Total Tetra-Furans	22.29	1.930e3	2.582e3	1.868e2	2.134e2	0.88	NO	0.000e0	0.00000	0.88494	0.512
Total Tetra-Furans	22.37	2.656e3	1.980e3	1.769e2	1.470e2	1.20	YES	0.000e0	0.00000	0.57539	0.512
Total Tetra-Furans	22.75	3.575e3	3.944e3	3.199e2	3.423e2	0.93	YES	0.000e0	0.00000	1.3395	0.512
Total Tetra-Furans	23.15	4.389e3	4.331e3	3.536e2	3.425e2	1.03	YES	0.000e0	0.00000	1.3406	0.512
Total Tetra-Furans	23.90	3.763e3	3.086e3	1.672e2	2.259e2	0.74	NO	3.931e2	0.86921	0.86921	0.512
Total Tetra-Furans	24.03	5.339e3	6.179e3	3.322e2	4.150e2	0.80	NO	7.472e2	1.6522	1.6522	0.512
Total Tetra-Furans	24.18	2.098e3	2.169e3	1.799e2	1.702e2	1.06	YES	0.000e0	0.00000	0.66619	0.512
Total Tetra-Furans	24.60	4.275e3	5.357e3	2.272e2	2.993e2	0.76	NO	5.265e2	1.1641	1.1641	0.512
Total Tetra-Furans	24.80	1.527e3	1.428e3	1.084e2	1.071e2	1.01	YES	0.000e0	0.00000	0.41920	0.512
Total Tetra-Furans	24.97	1.304e3	2.199e3	1.055e2	1.390e2	0.76	NO	0.000e0	0.00000	0.54061	0.512
Total Tetra-Furans	25.16	1.185e3	1.946e3	7.321e1	9.481e1	0.77	NO	1.680e2	0.37151	0.37151	0.512
Total Tetra-Furans	25.27	1.619e3	2.017e3	9.751e1	1.212e2	0.80	NO	2.187e2	0.48356	0.48356	0.512
2,3,7,8-TCDF	25.38	3.222e3	2.546e3	1.755e2	1.668e2	1.05	YES	3.423e2	0.00000	0.65262	0.512
Total Tetra-Furans	25.71	2.457e3	2.378e3	1.348e2	1.665e2	0.81	NO	3.013e2	0.66627	0.66627	0.512
Total Tetra-Furans	26.74	1.021e3	1.265e3	7.973e1	7.621e1	1.05	YES	0.000e0	0.00000	0.29825	0.512
Total Tetra-Furans	26.89	2.139e3	1.740e3	1.199e2	1.377e2	0.87	NO	2.576e2	0.56965	0.56965	0.512

Penta-Furans function 1

1st Func. Penta-Furans	27.24	2.624e4	1.626e4	1.946e3	1.169e3	1.67	NO	3.115e3	7.3770	7.3770	0.134
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Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_10.qld

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Printed: Tuesday, June 09, 2020 15:35:31 Pacific Daylight Time

Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

Penta-Furans

	Area	Height	Height	Area	Height	Ratio	Flag	Response	Response	Response	Response
Total Penta-Furans	28.60	1.141e4	6.788e3	9.765e2	7.768e2	1.26	YES	0.000e0	0.00000	3.8045	0.479
Total Penta-Furans	29.12	7.155e3	3.457e3	4.981e2	3.170e2	1.57	NO	8.151e2	1.9303	1.9303	0.479
1,2,3,7,8-PeCDF	29.52	1.564e3	1.115e3	7.881e1	6.014e1	1.31	YES	1.389e2	0.00000	0.30084	0.528
Total Penta-Furans	29.76	5.214e3	3.443e3	2.553e2	1.807e2	1.41	NO	4.359e2	1.0324	1.0324	0.479
2,3,4,7,8-PeCDF	30.41	5.119e3	3.321e3	2.029e2	1.178e2	1.72	NO	3.207e2	0.76478	0.76478	0.422
Total Penta-Furans	30.45	3.916e3	5.079e3	1.501e2	1.619e2	0.93	YES	0.000e0	0.00000	0.58480	0.479

Hexa-Furans

	Area	Height	Height	Area	Height	Ratio	Flag	Response	Response	Response	Response
Total Hexa-Furans	32.05	2.041e3	2.584e3	7.292e1	7.405e1	0.98	YES	0.000e0	0.00000	0.45558	0.449
Total Hexa-Furans	32.13	1.750e4	1.475e4	5.402e2	4.204e2	1.29	NO	9.606e2	3.3225	3.3225	0.449
Total Hexa-Furans	32.62	1.137e4	7.681e3	4.695e2	3.788e2	1.24	NO	8.483e2	2.9342	2.9342	0.449
1,2,3,4,7,8-HxCDF	33.10	3.050e3	2.697e3	1.541e2	1.269e2	1.21	NO	2.810e2	0.89150	0.89150	0.391
1,2,3,6,7,8-HxCDF	33.21	1.633e3	1.725e3	7.668e1	6.812e1	1.13	NO	1.448e2	0.46258	0.46258	0.371
2,3,4,6,7,8-HxCDF	33.82	2.435e3	2.329e3	1.175e2	9.695e1	1.21	NO	2.145e2	0.81893	0.81893	0.518

Hepta-Furans

	Area	Height	Height	Area	Height	Ratio	Flag	Response	Response	Response	Response
1,2,3,4,6,7,8-HpCDF	36.63	3.817e3	3.367e3	3.317e2	2.654e2	1.25	YES	5.971e2	0.00000	2.5239	0.449
Total Hepta-Furans	37.21	4.062e3	3.210e3	2.685e2	2.349e2	1.14	NO	5.034e2	2.9236	2.9236	0.540

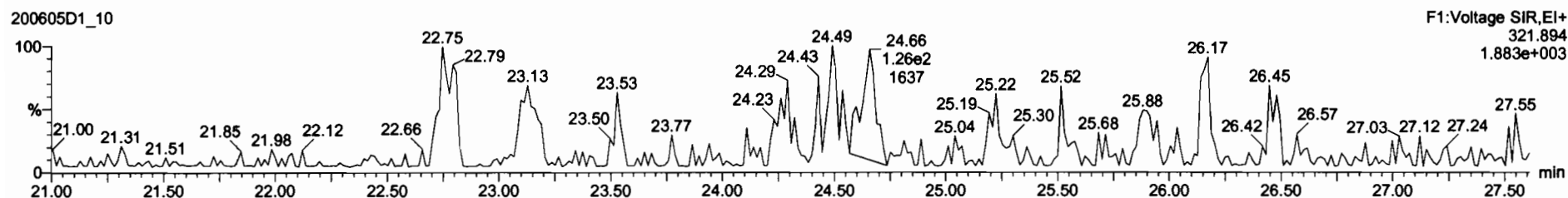
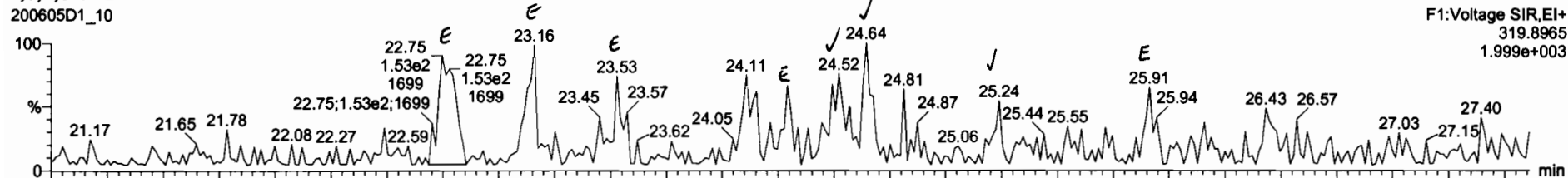
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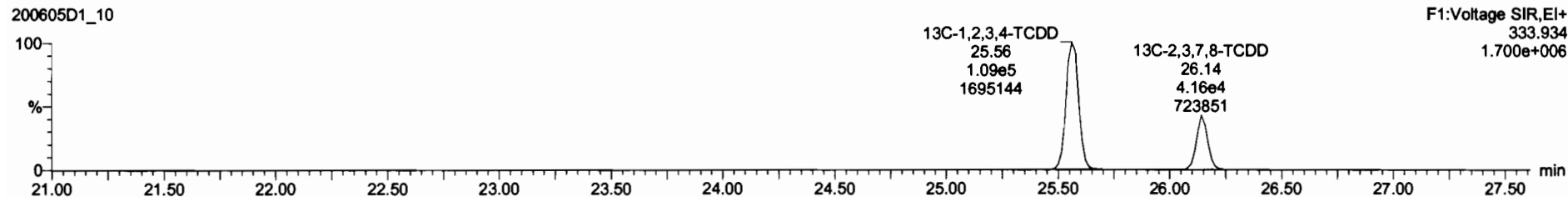
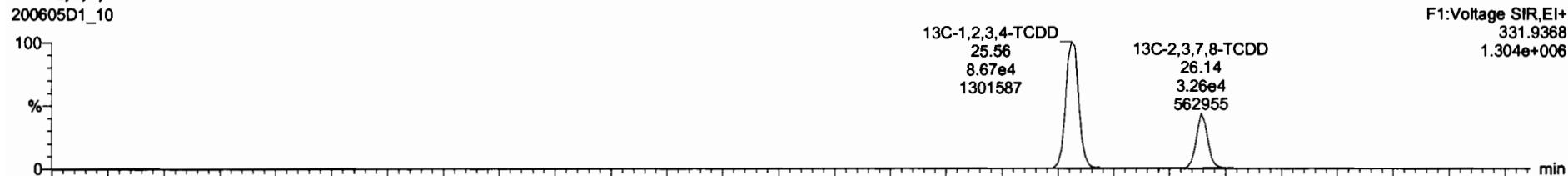
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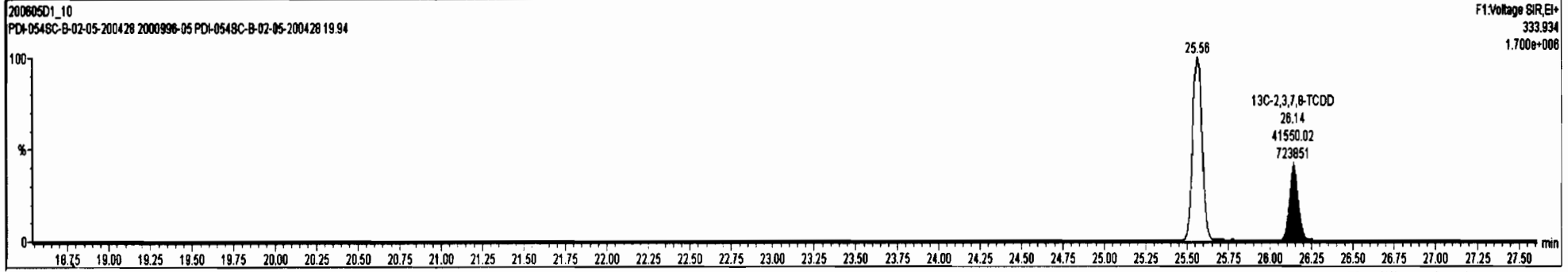
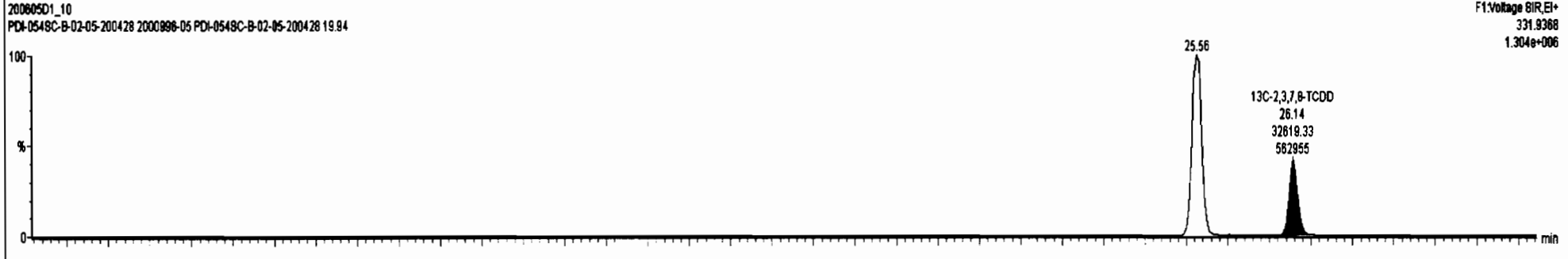
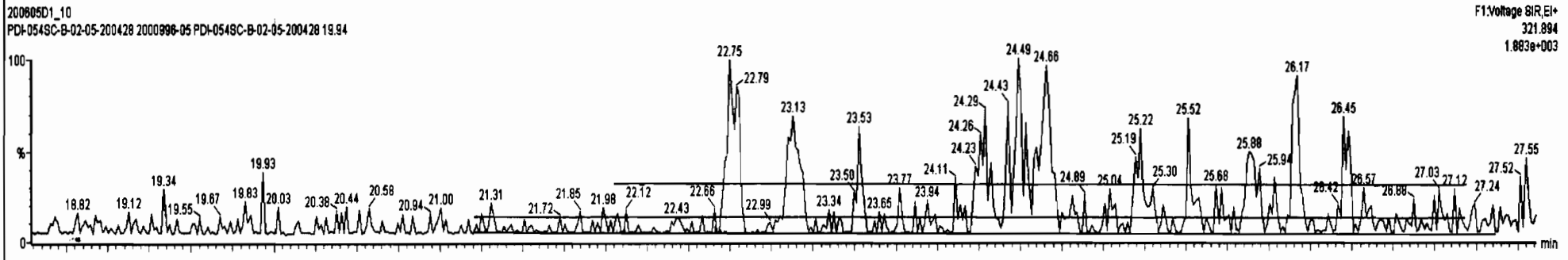
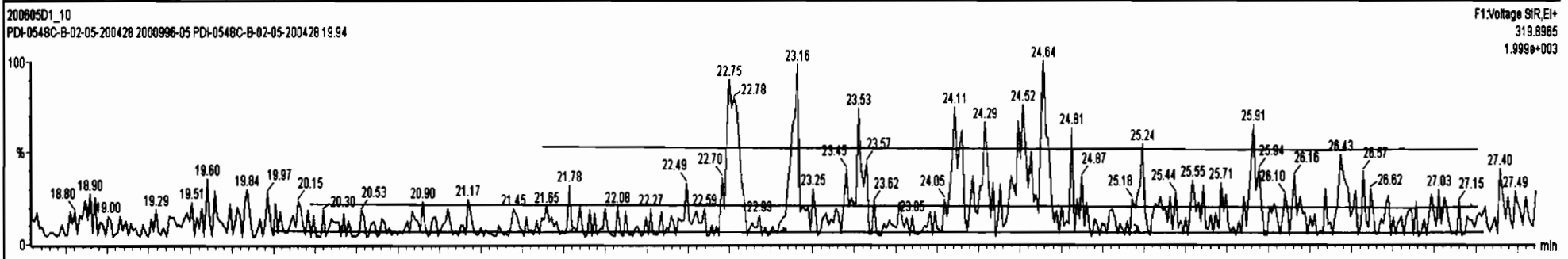
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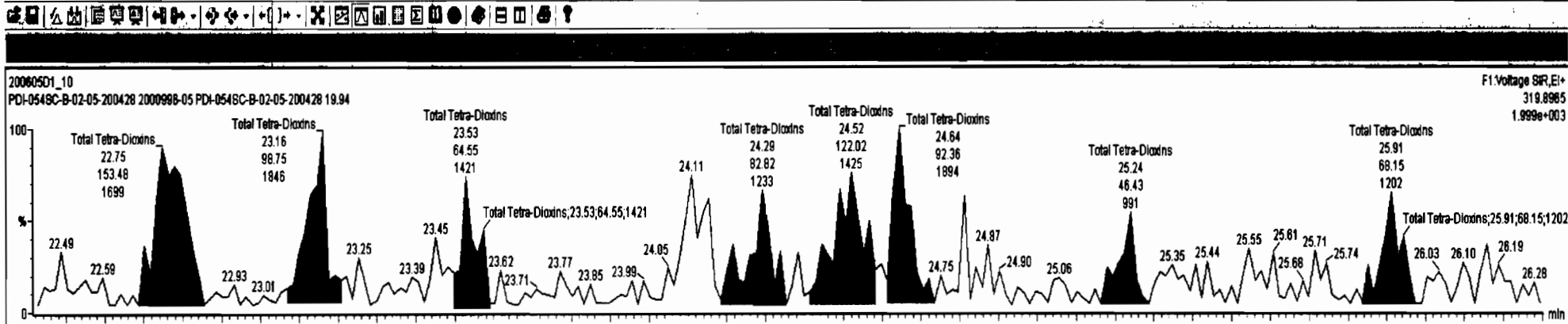
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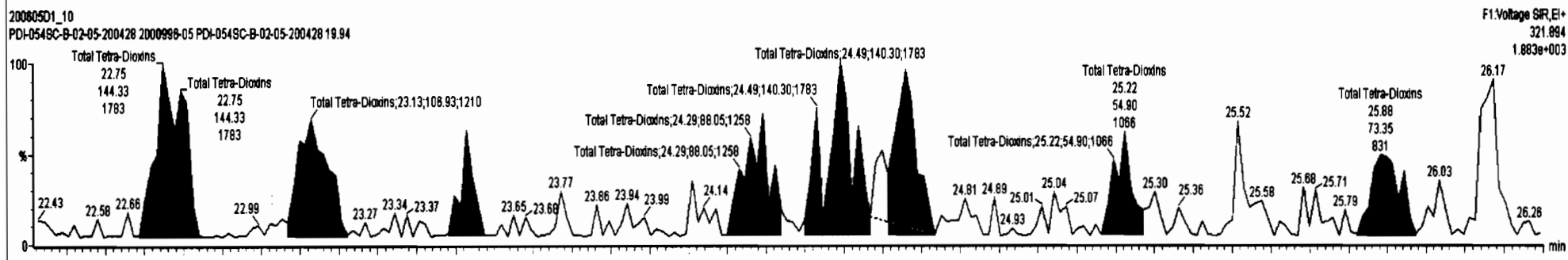
13C-2,3,7,8-TCDD



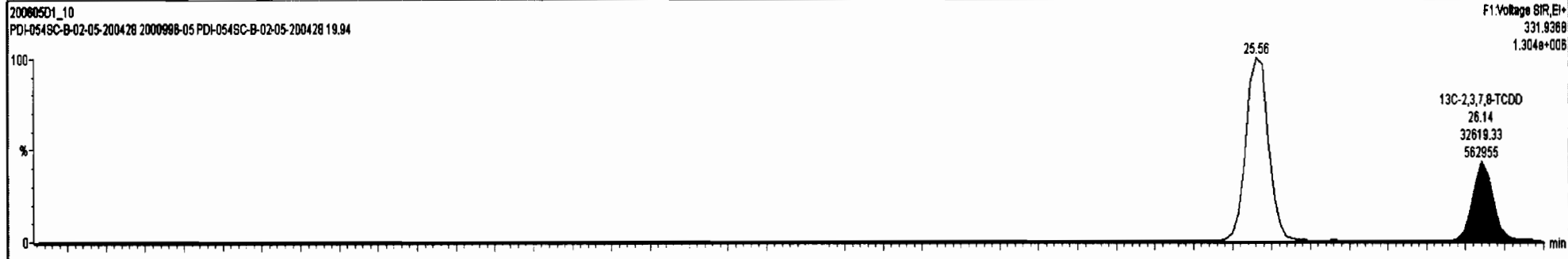




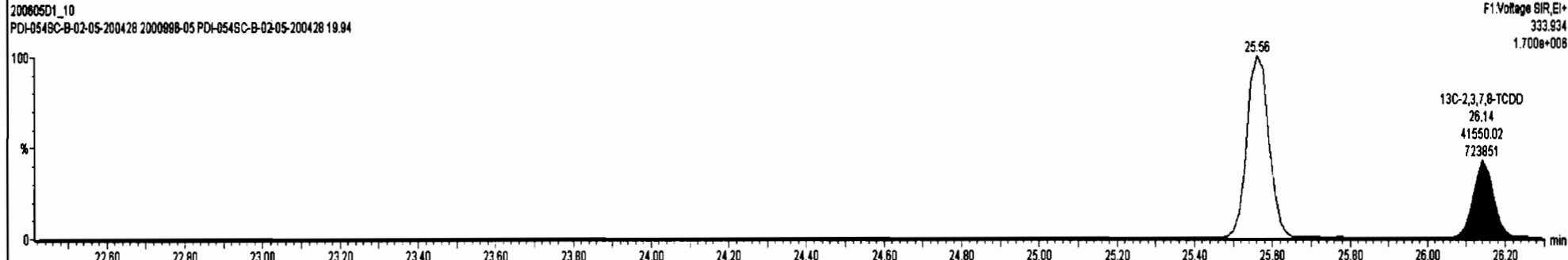
F1:Voltage 81R,EI+
 319.8985
 1.999e+003



F1:Voltage 81R,EI+
 321.894
 1.883e+003



F1:Voltage 81R,EI+
 331.9388
 1.304e+008



F1:Voltage 81R,EI+
 333.934
 1.700e+008

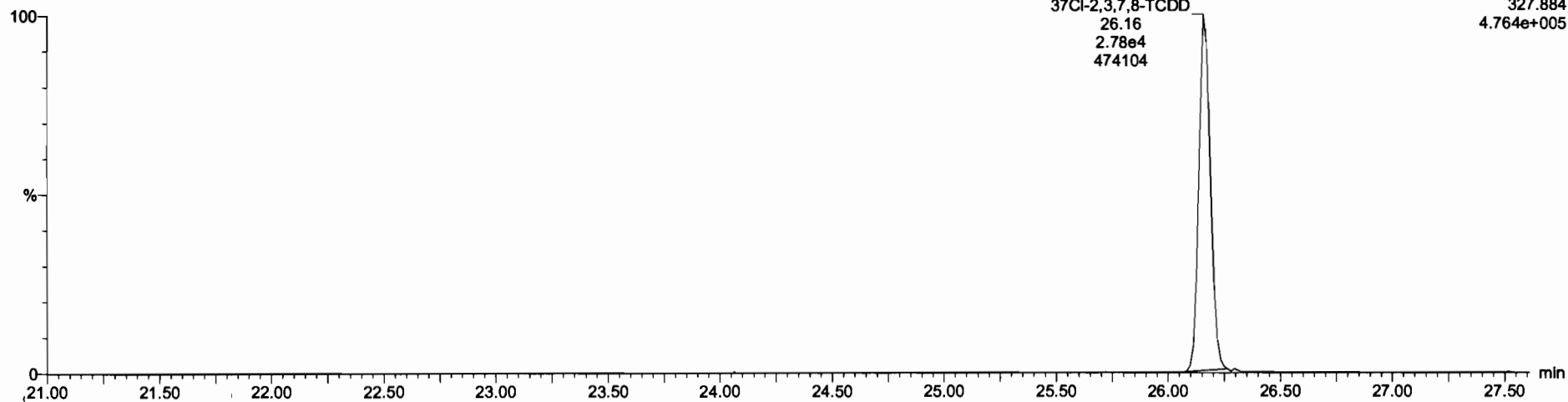
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Printed: Tuesday, June 09, 2020 14:30:03 Pacific Daylight Time

Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

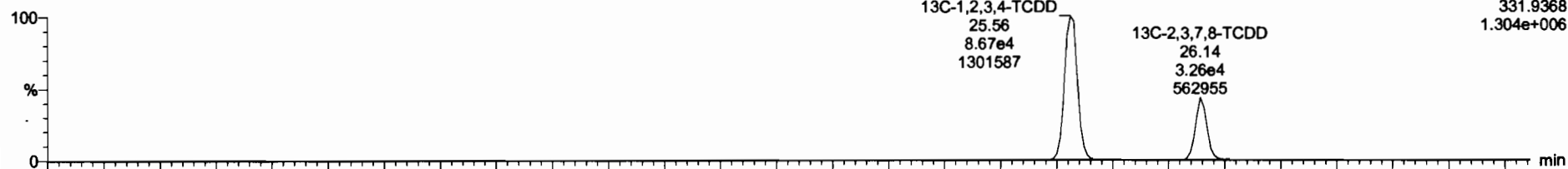
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200605D1_10

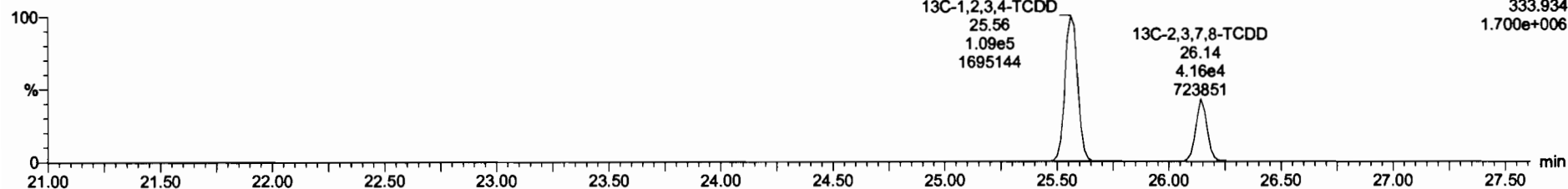


13C-1,2,3,4-TCDD

200605D1_10



200605D1_10



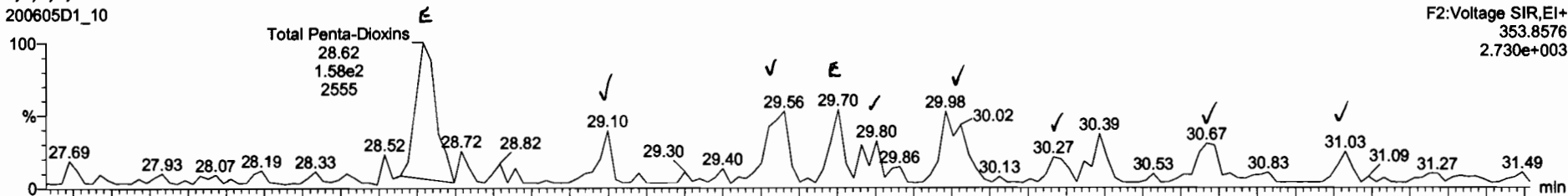
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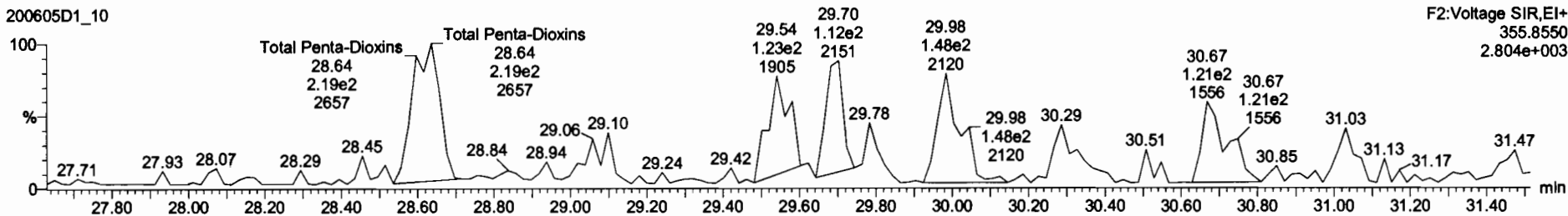
1,2,3,7,8-PeCDD

200605D1_10



F2:Voltage SIR,EI+
353.8576
2.730e+003

200605D1_10



F2:Voltage SIR,EI+
355.8550
2.804e+003

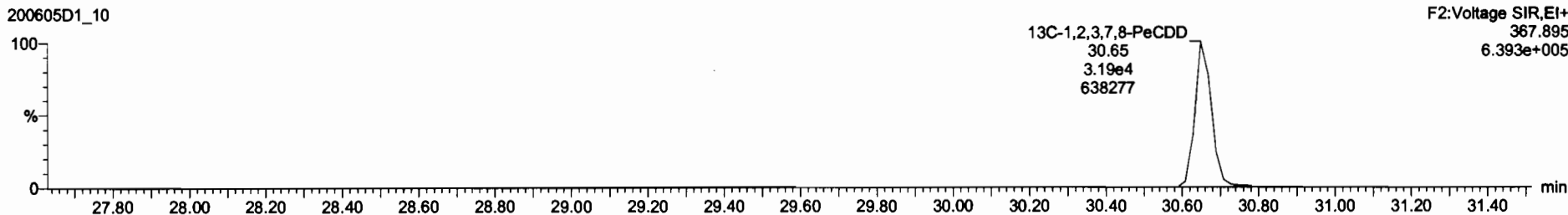
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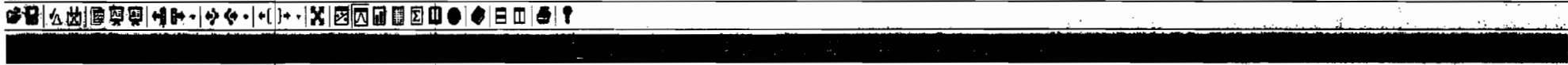


F2:Voltage SIR,EI+
365.8978
3.596e+005

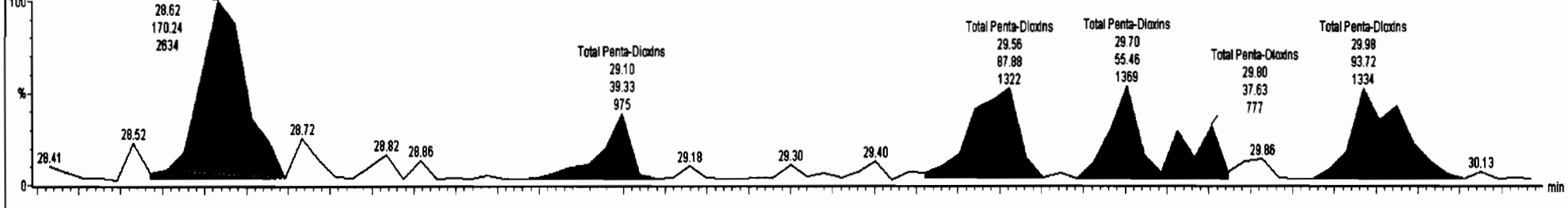
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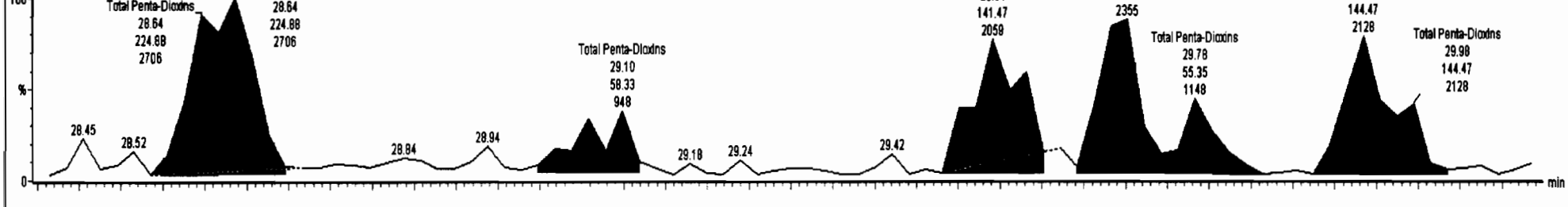
F2:Voltage SIR,EI+
367.895
6.393e+005



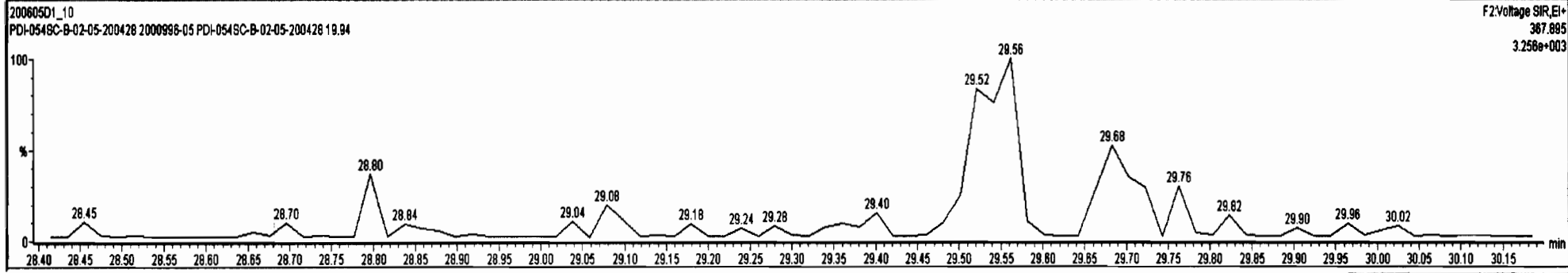
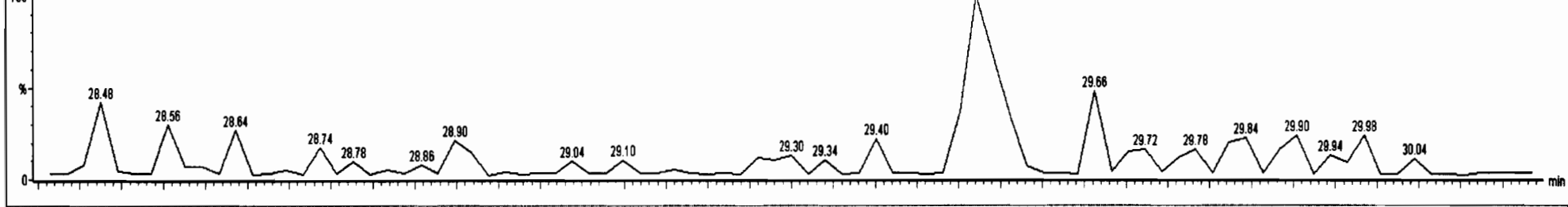
20060501_10 PDI-0548C-B-02-05-200428 2000996-05 PDI-0548C-B-02-05-200428 19.94 F2:Voltage SIR,EI+ 355.8550 2.804e+003

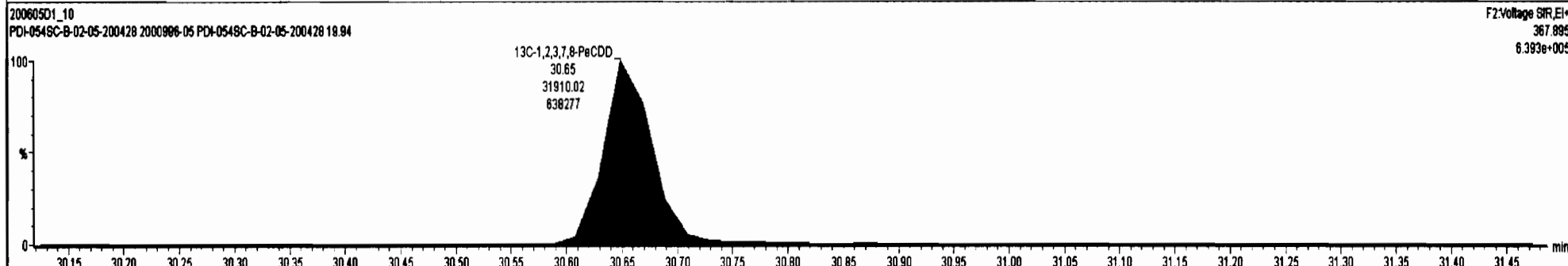
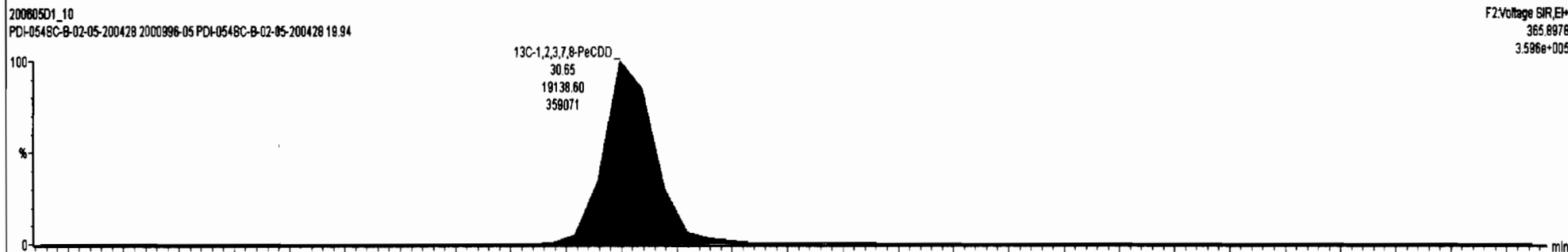
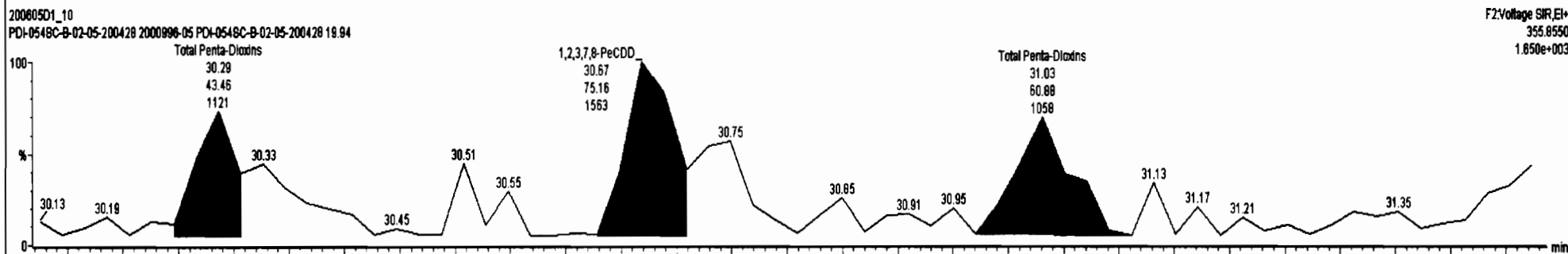
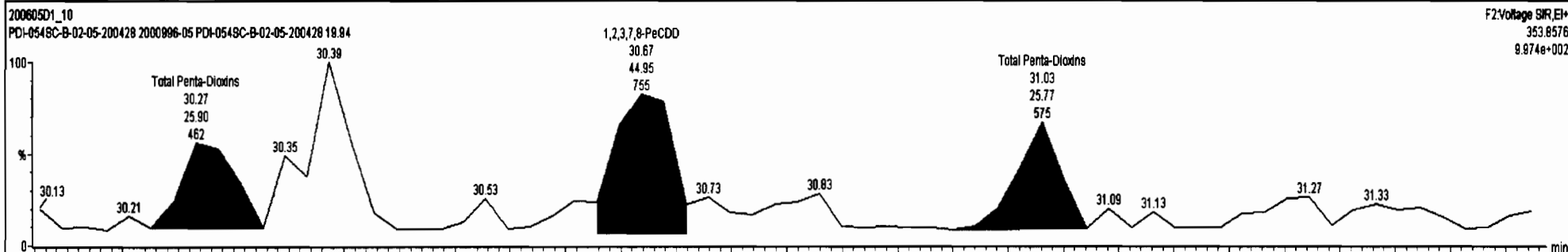


20060501_10 PDI-0548C-B-02-05-200428 2000996-05 PDI-0548C-B-02-05-200428 19.94 F2:Voltage SIR,EI+ 365.8978 3.041e+003



20060501_10 PDI-0548C-B-02-05-200428 2000996-05 PDI-0548C-B-02-05-200428 19.94 F2:Voltage SIR,EI+ 367.895 3.258e+003



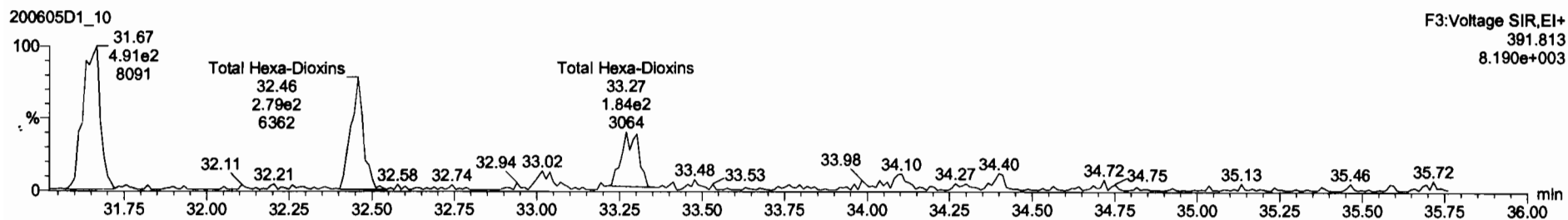
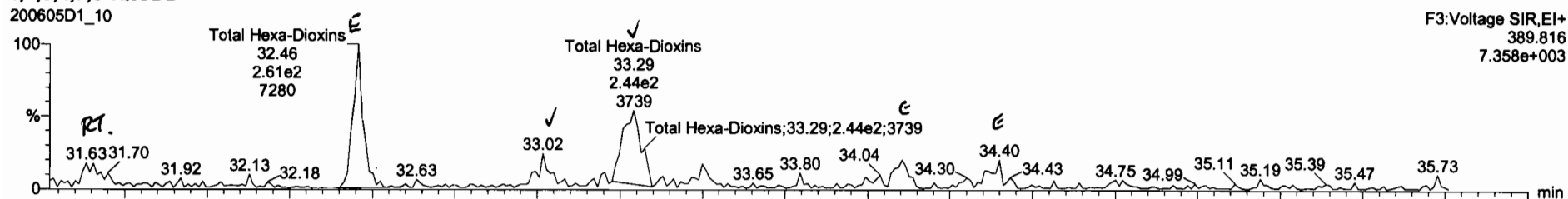


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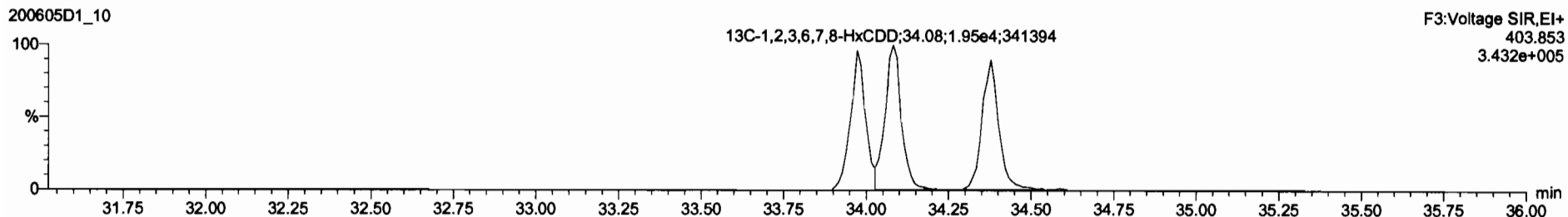
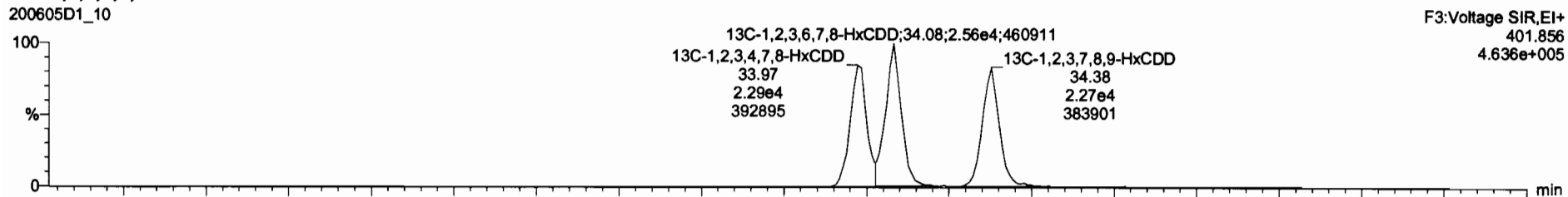
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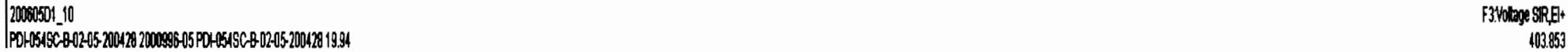
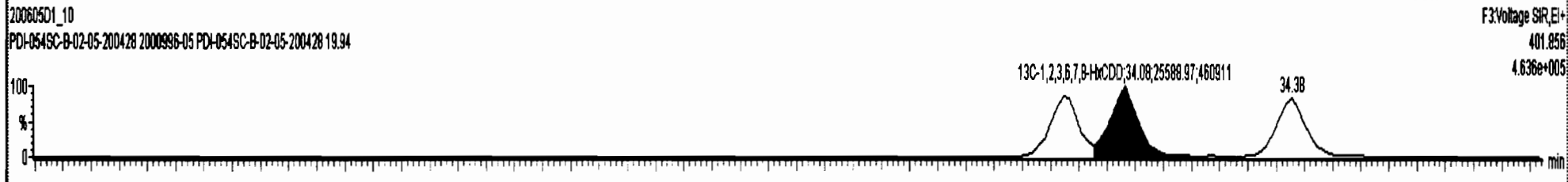
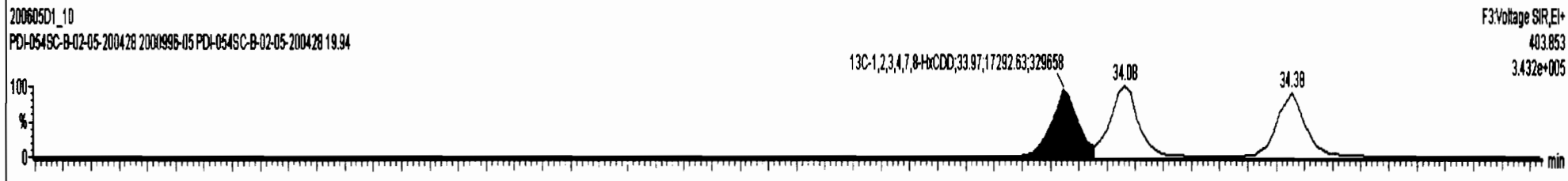
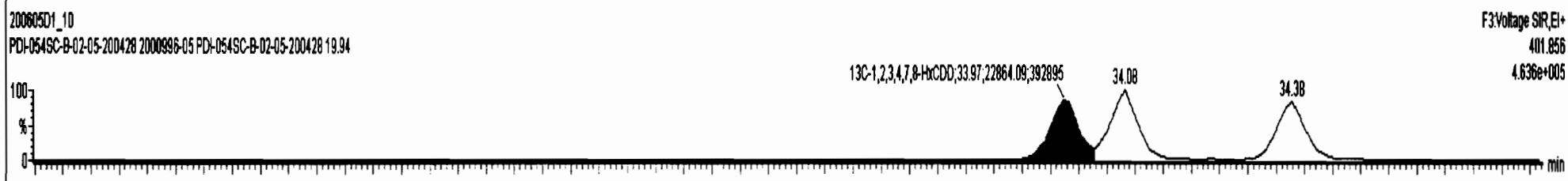
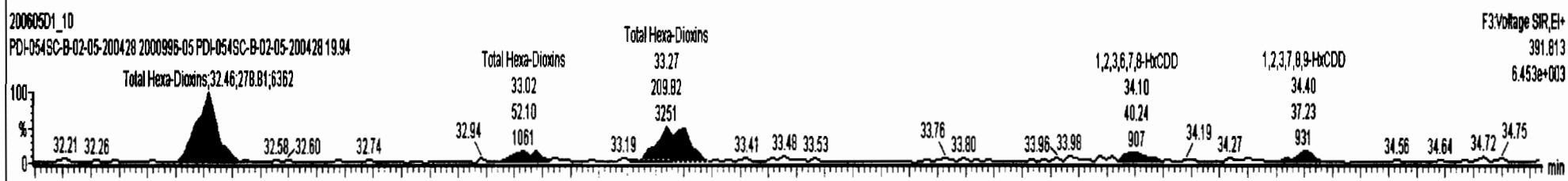
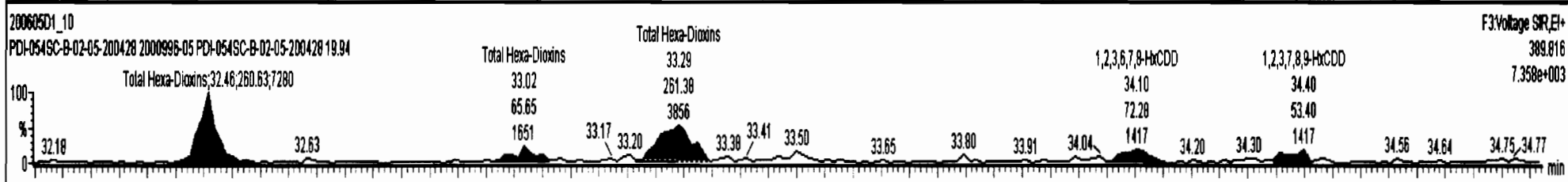
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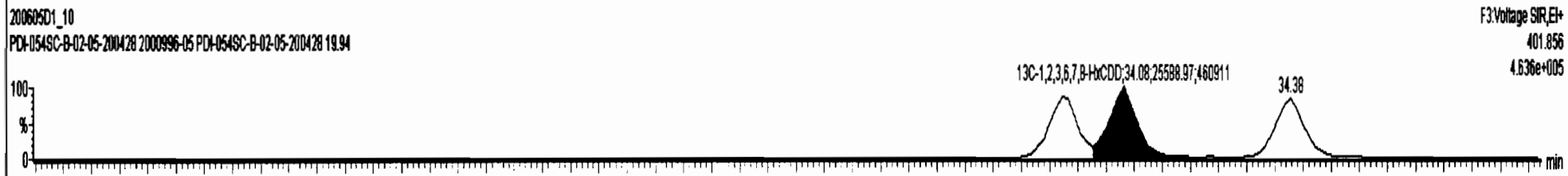
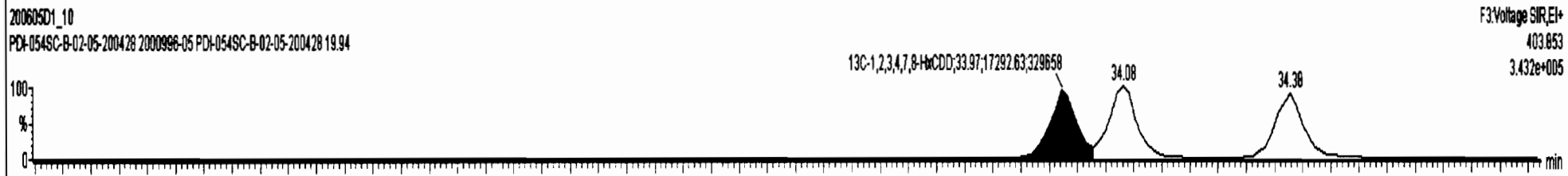
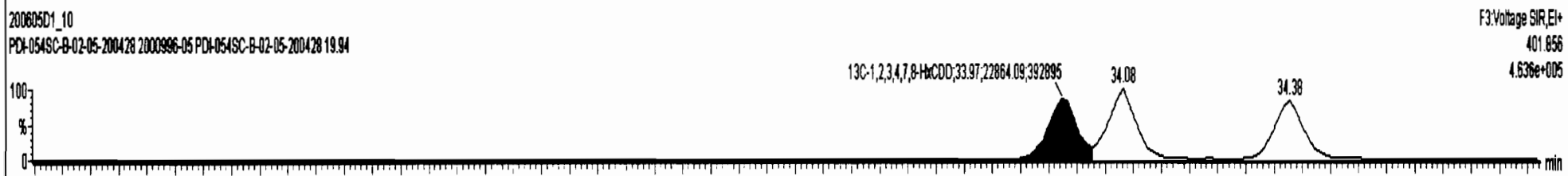
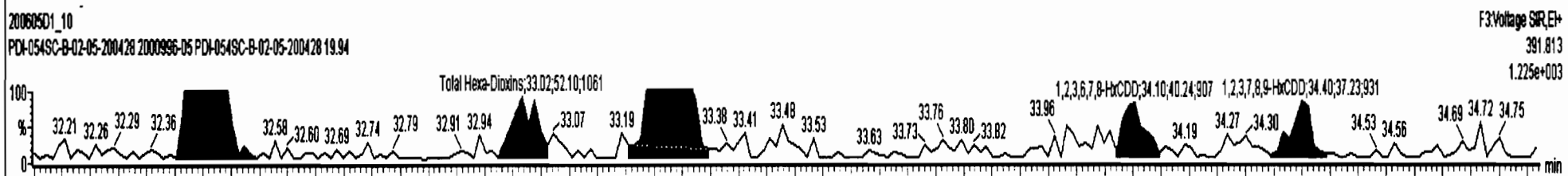
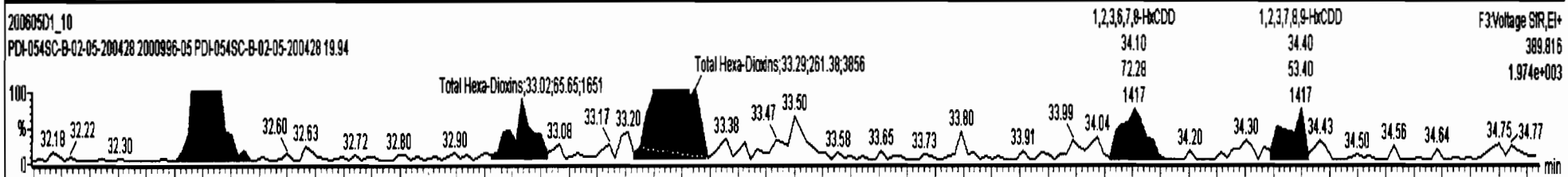
1,2,3,4,7,8-HxCDD



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







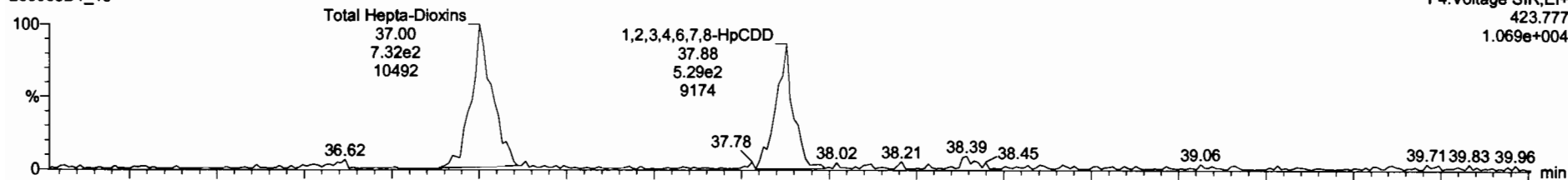
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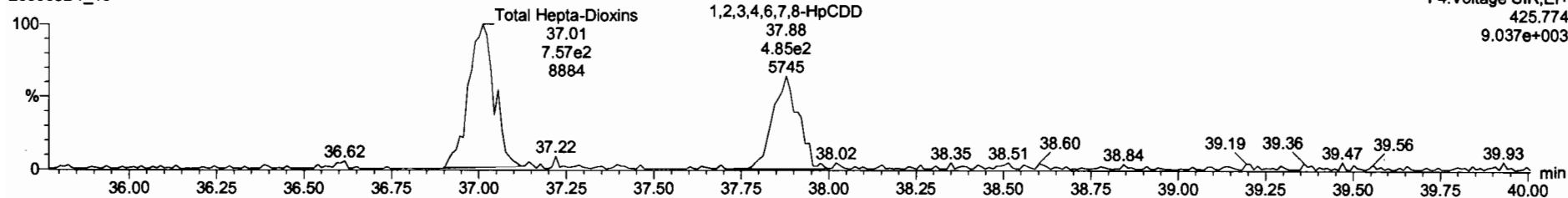
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1,2,3,4,6,7,8-HpCDD

200605D1_10

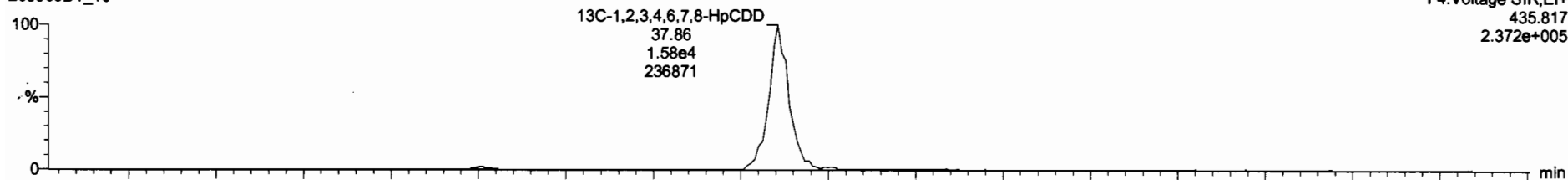


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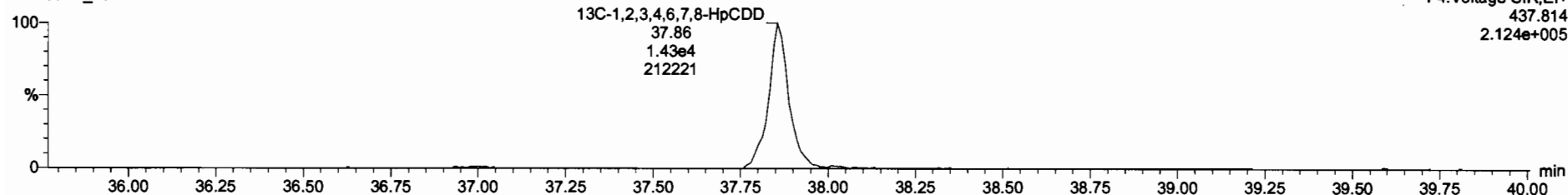


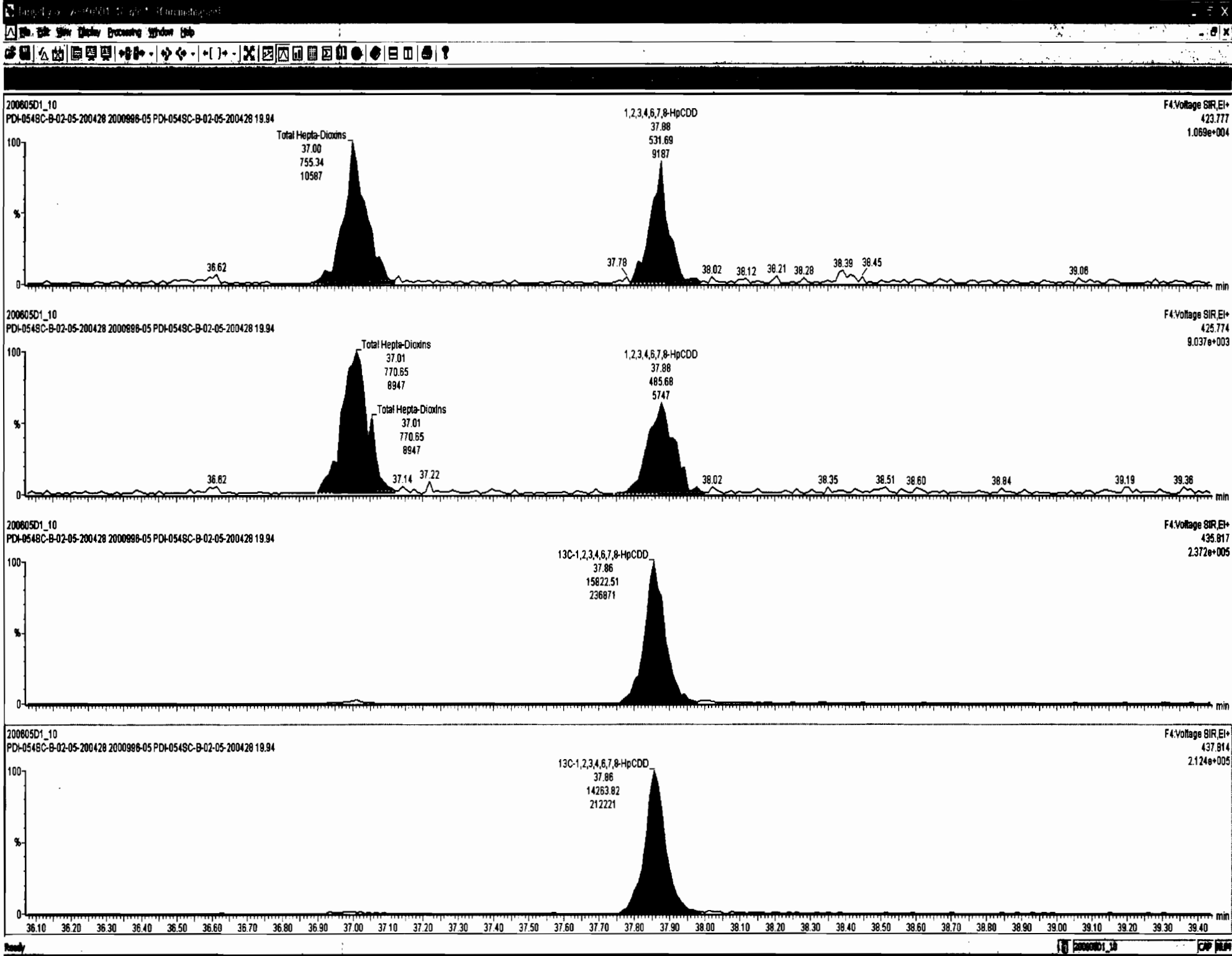
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200605D1_10



200605D1_10

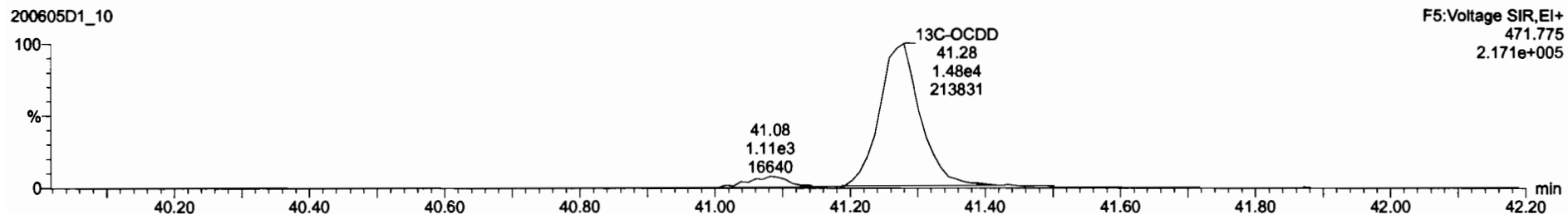
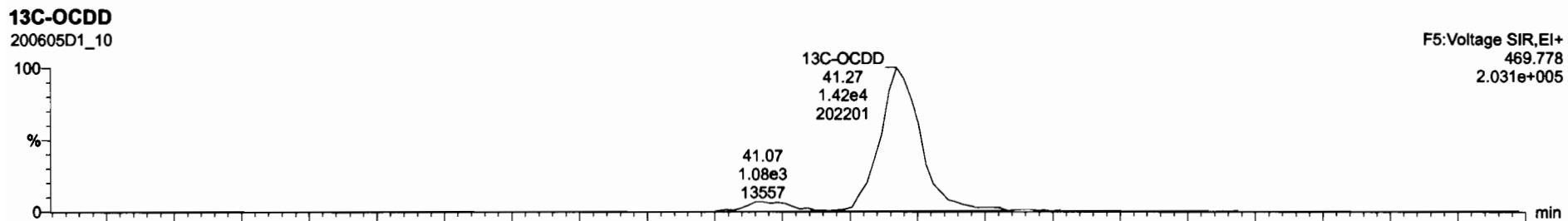
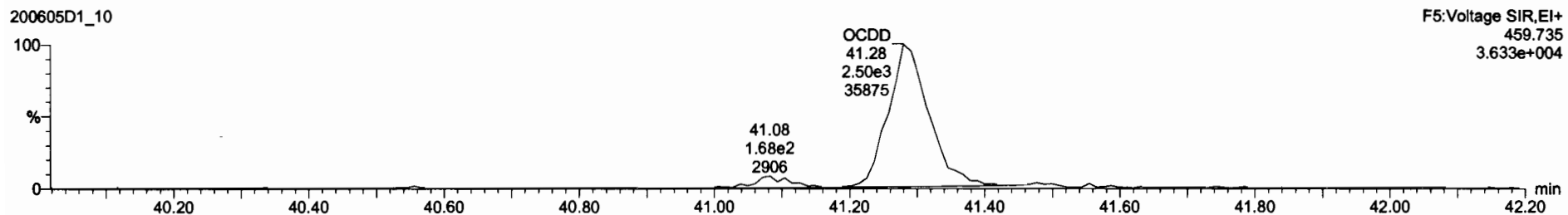
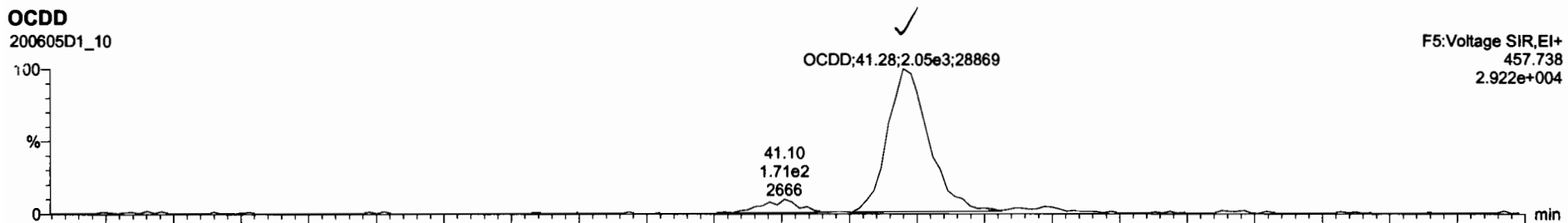




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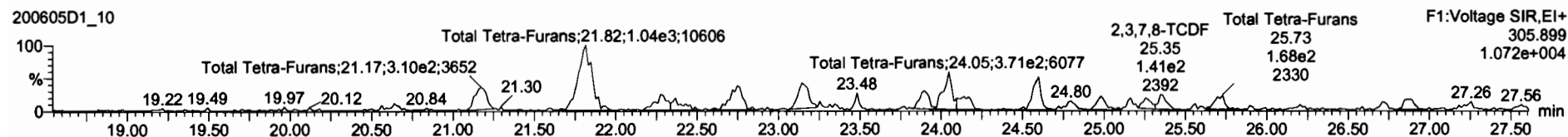
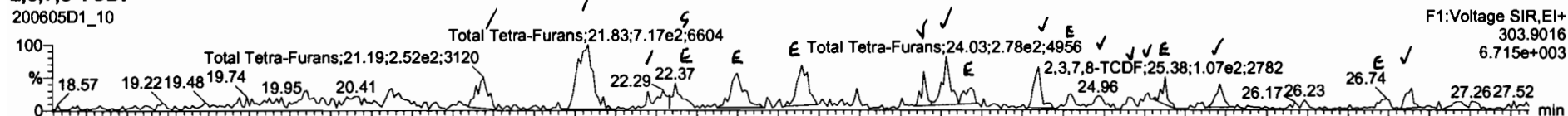


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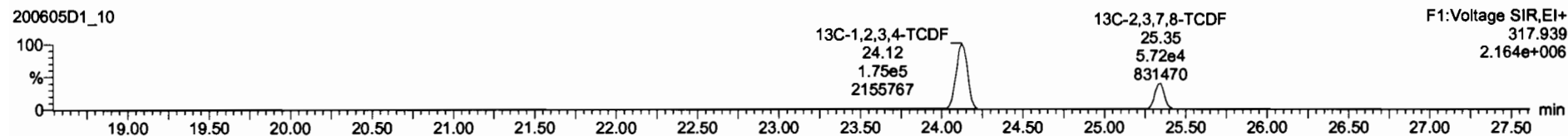
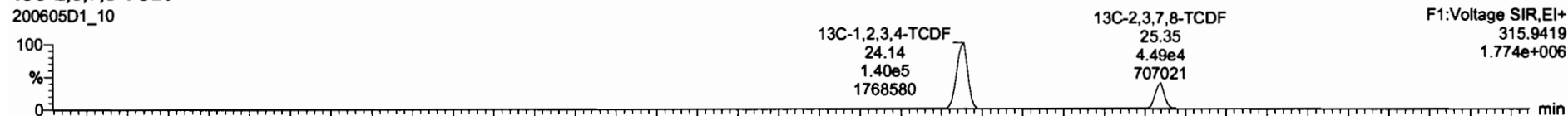
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Printed: Tuesday, June 09, 2020 14:30:03 Pacific Daylight Time

Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

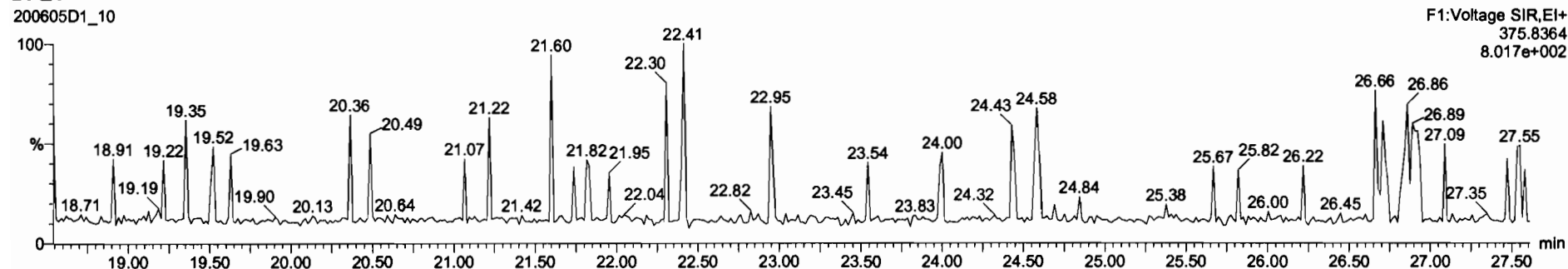
2,3,7,8-TCDF

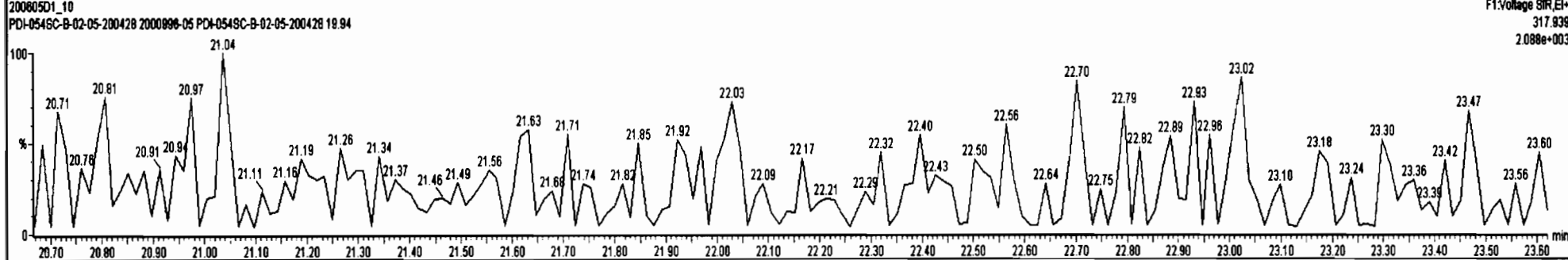
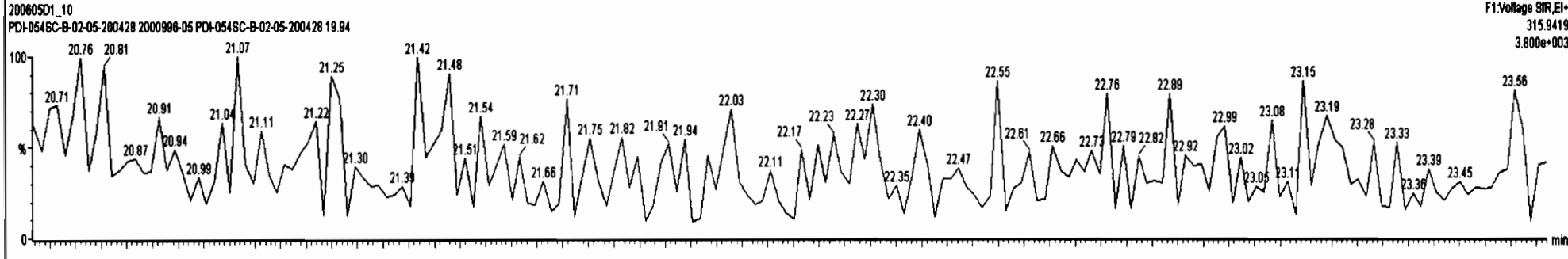
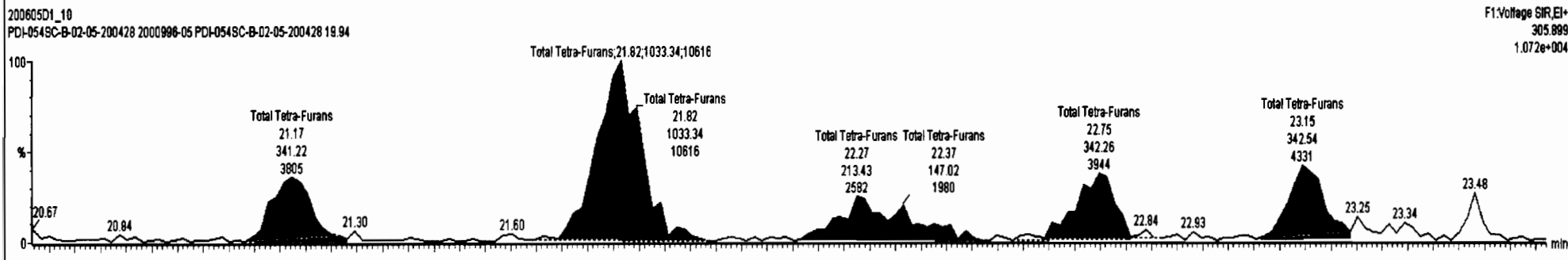
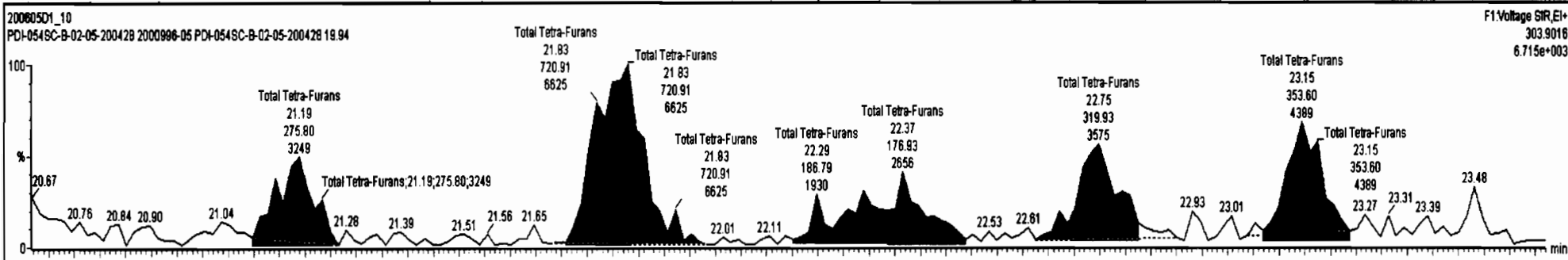


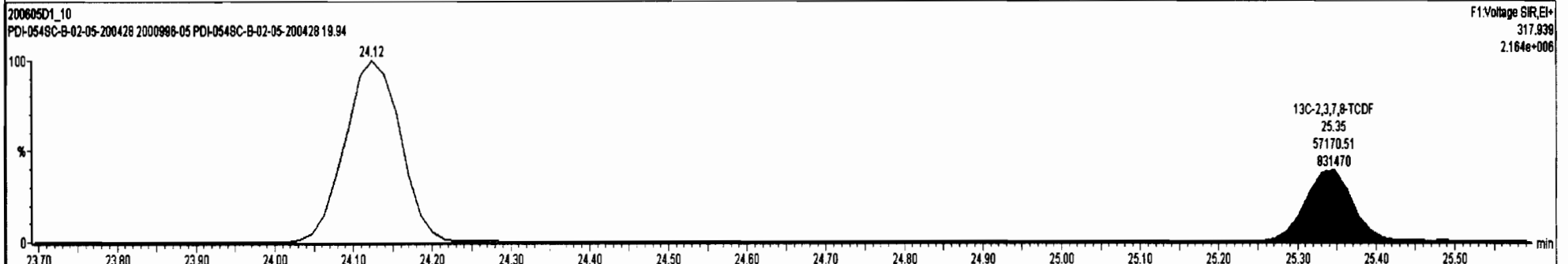
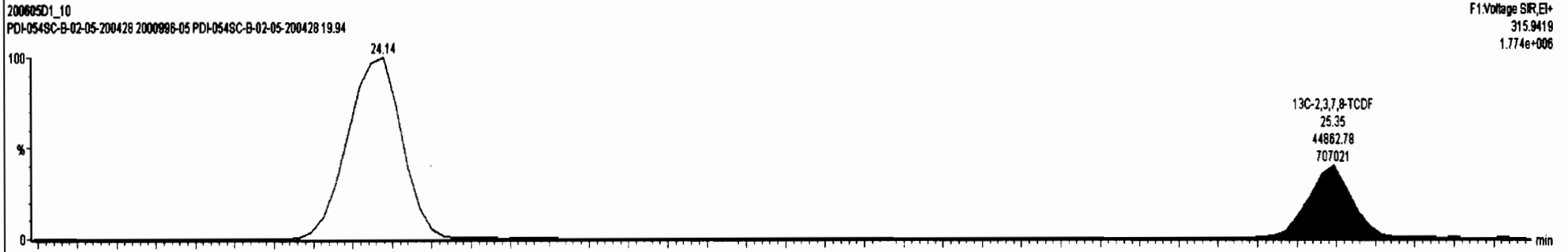
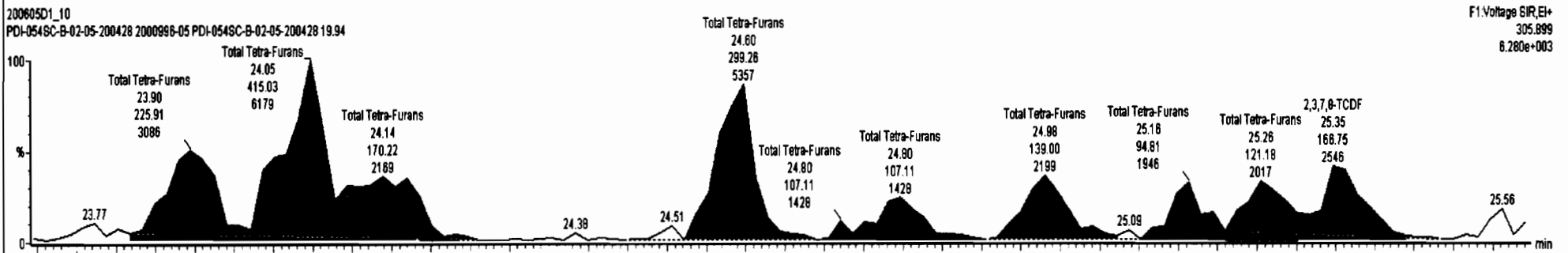
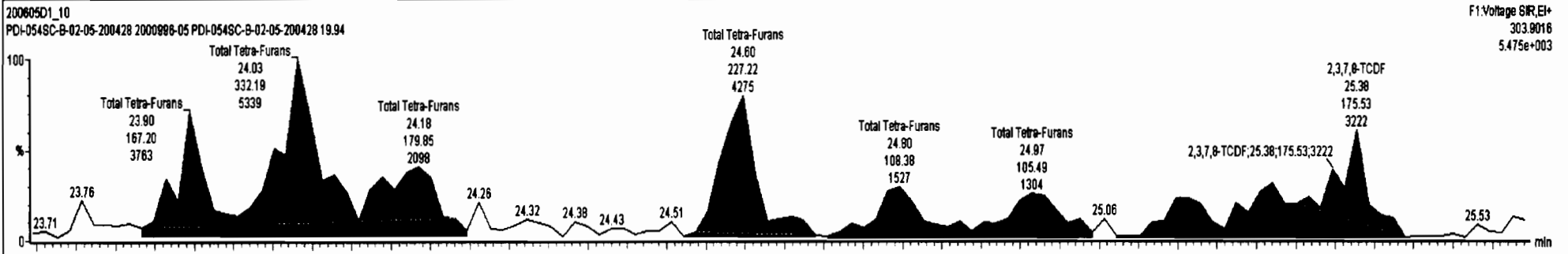
13C-2,3,7,8-TCDF

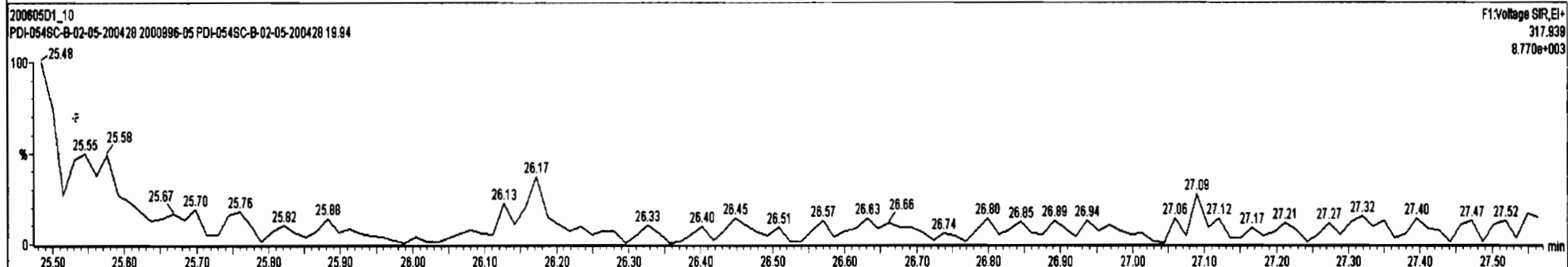
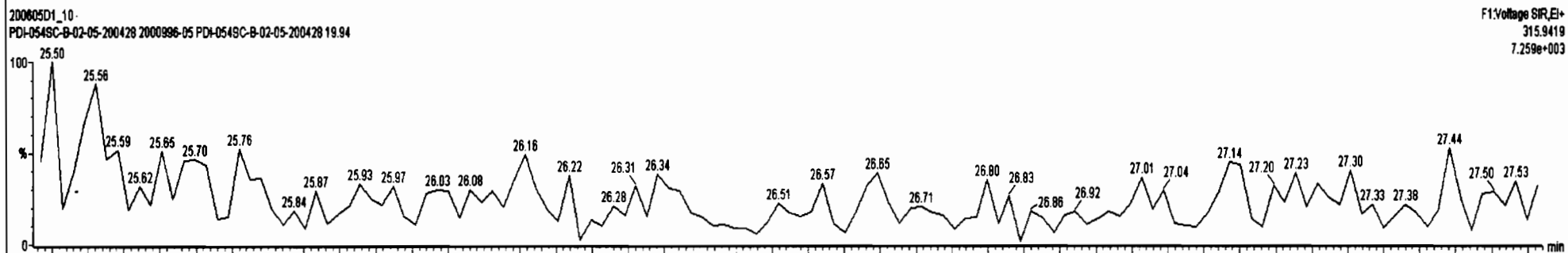
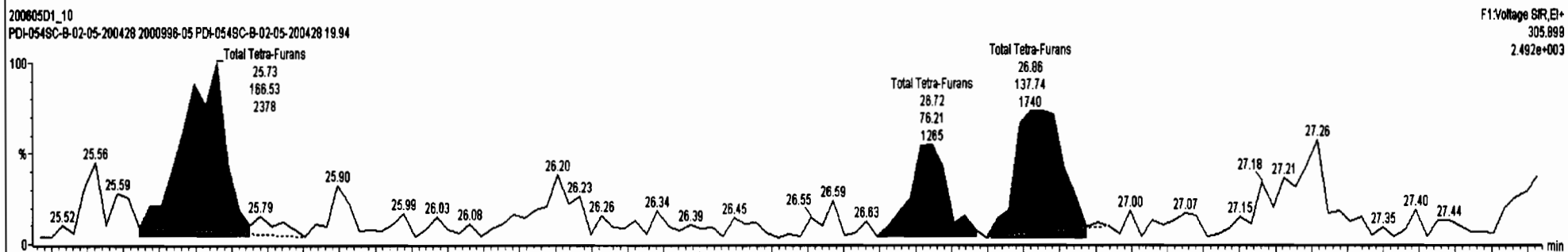
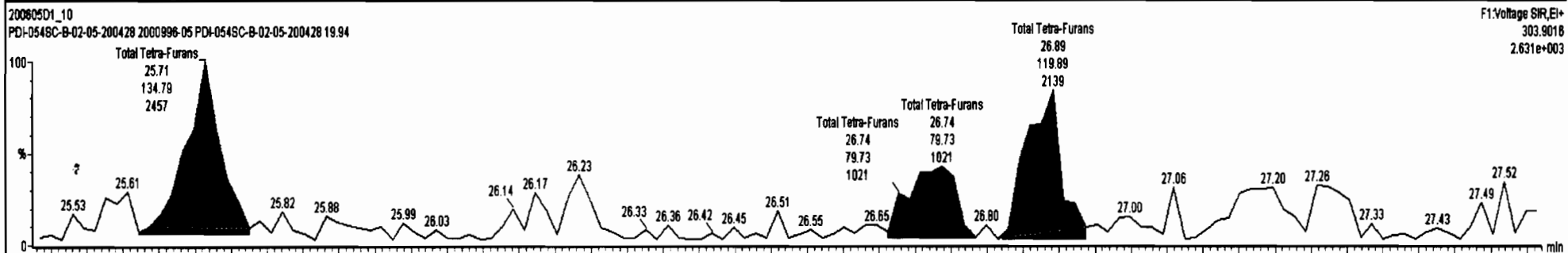


DPE1









Dataset: U:\VG7.PRO\Results\200605D1\200605D1_10.qld

Last Altered: Monday, June 08, 2020 10:12:52 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 14:30:03 Pacific Daylight Time

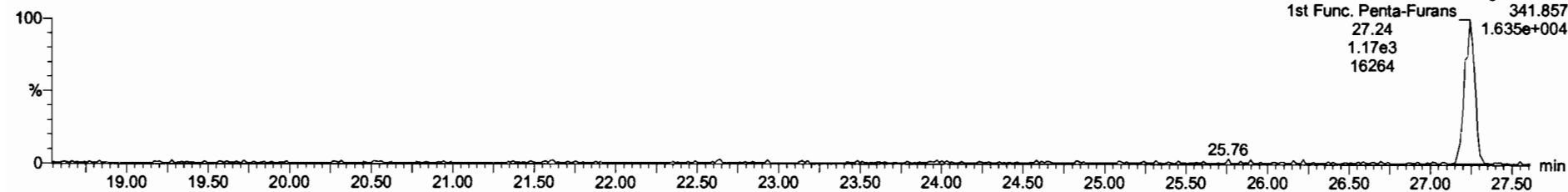
Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

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200605D1_10

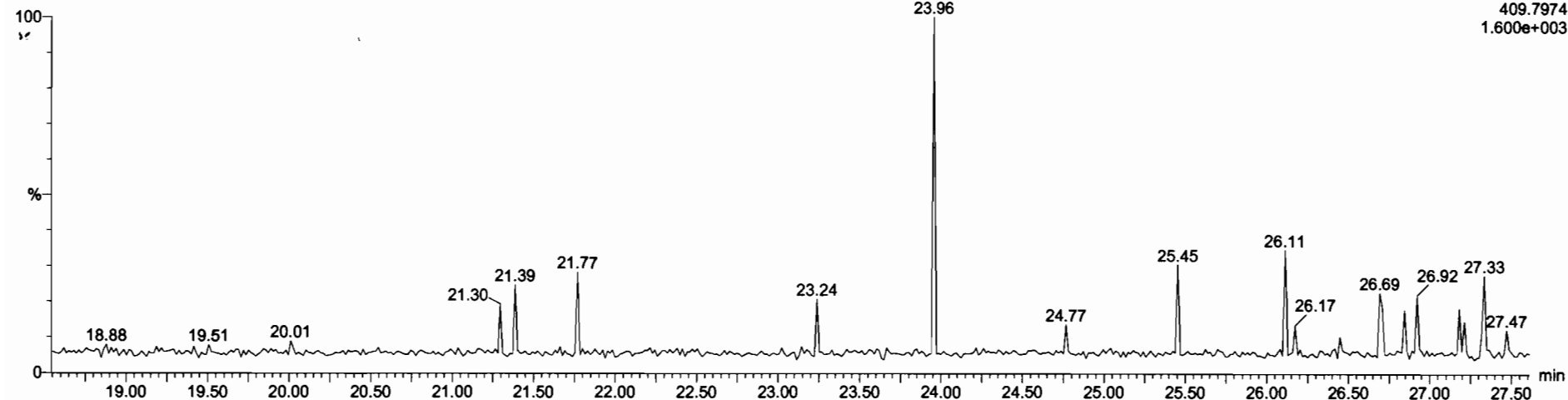


200605D1_10



DPE6

200605D1_10

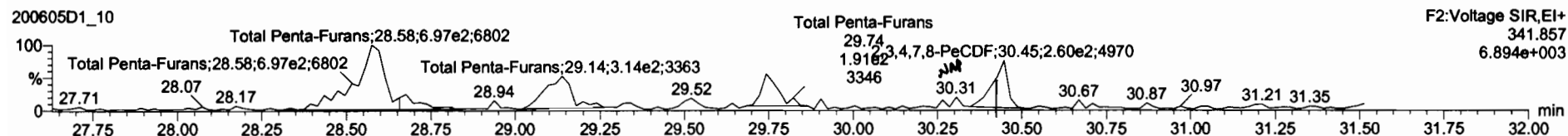
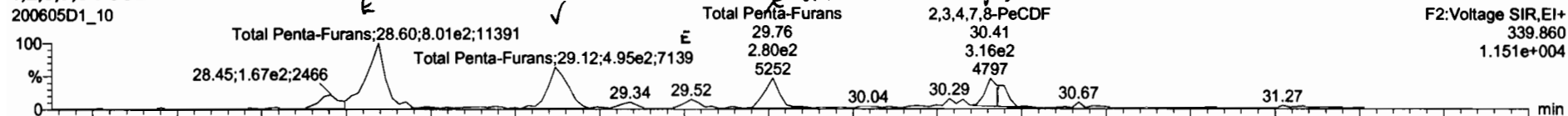


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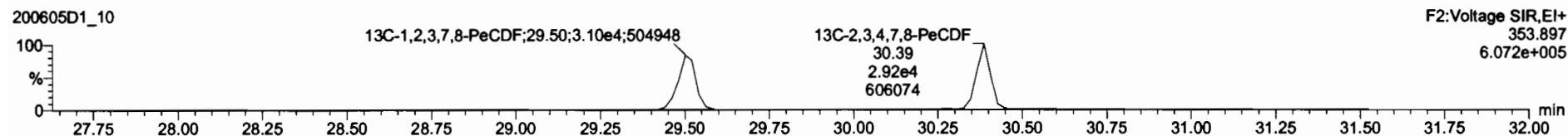
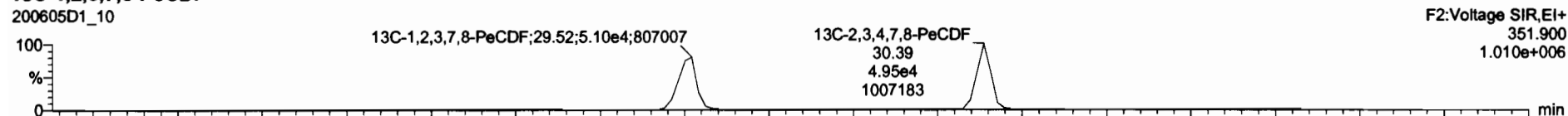
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Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

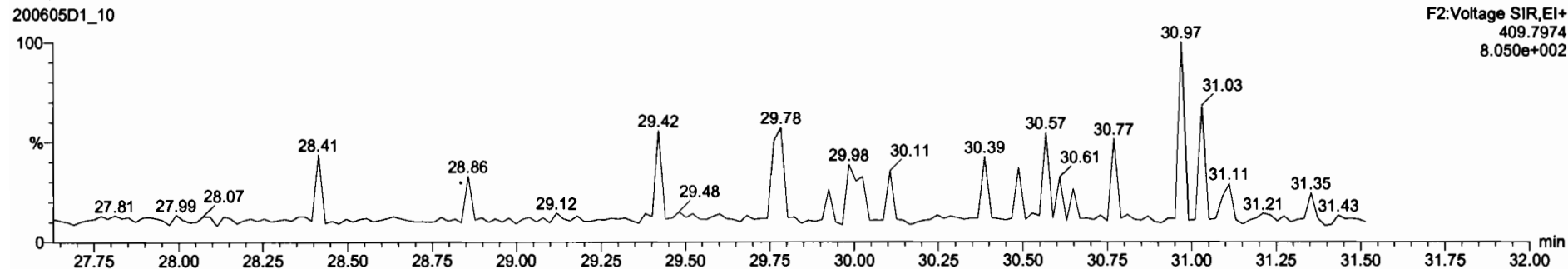
1,2,3,7,8-PeCDF

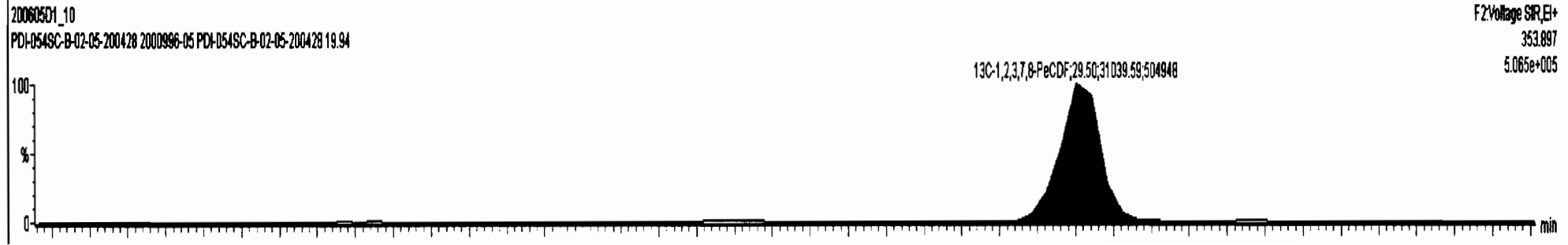
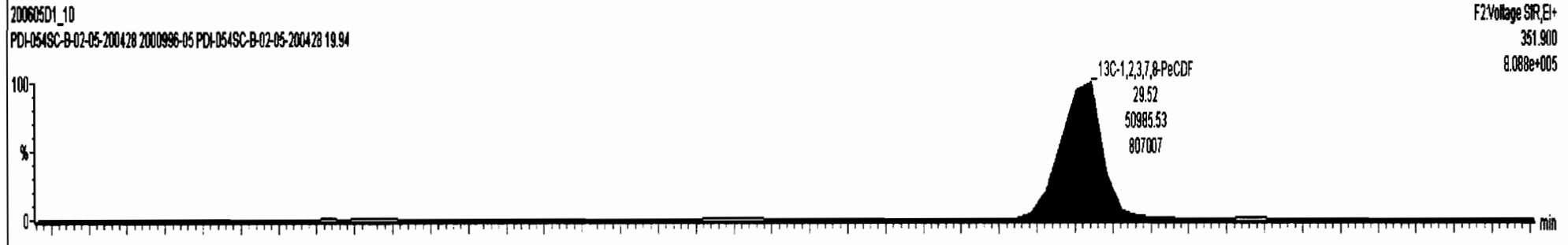
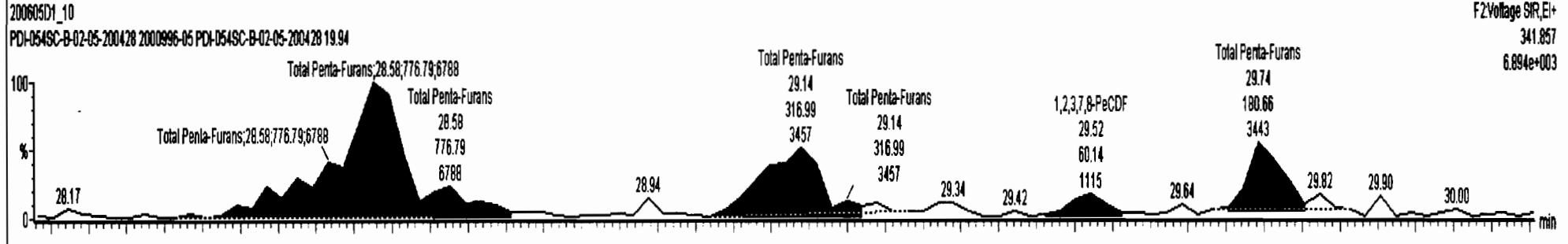
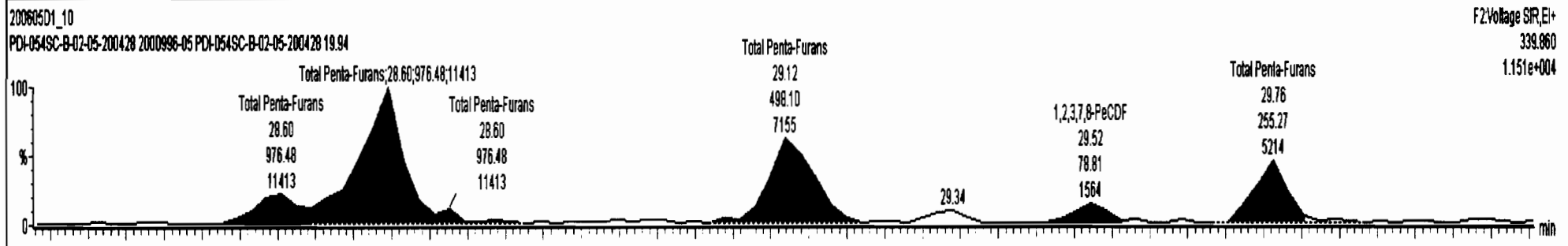


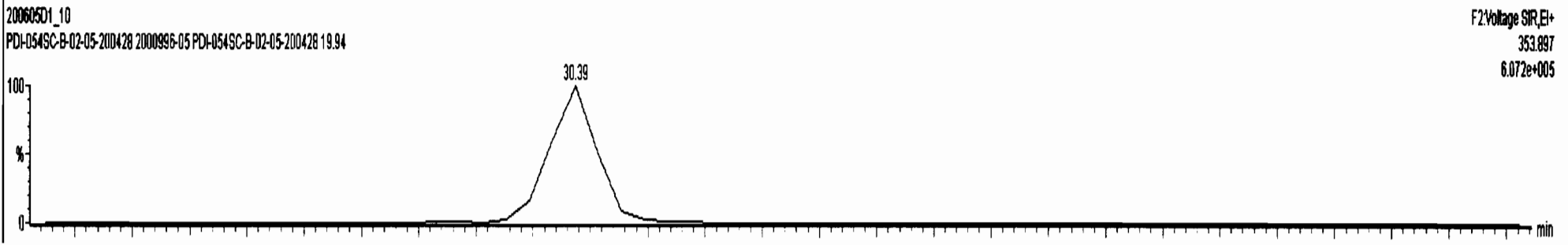
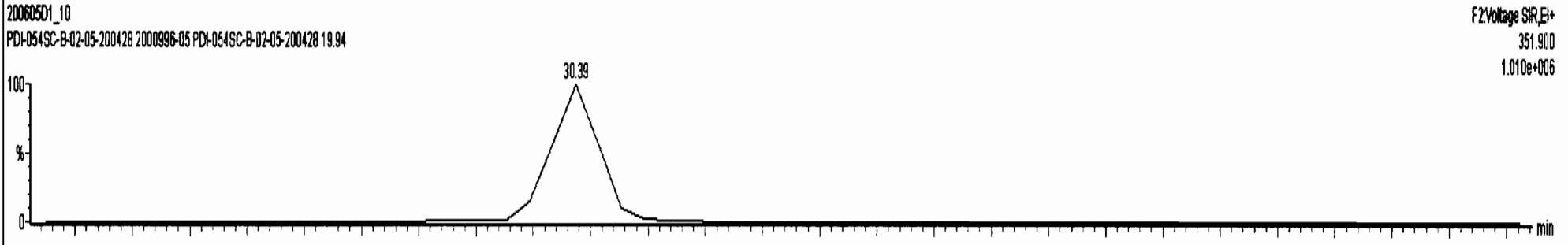
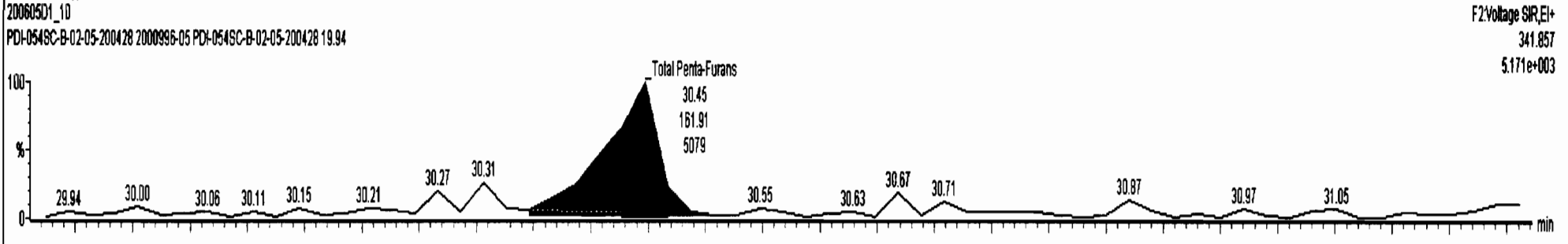
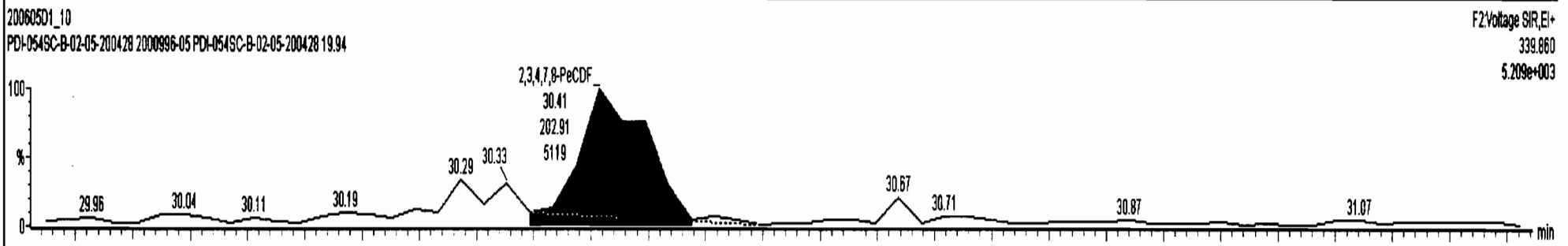
13C-1,2,3,7,8-PeCDF



DPE2





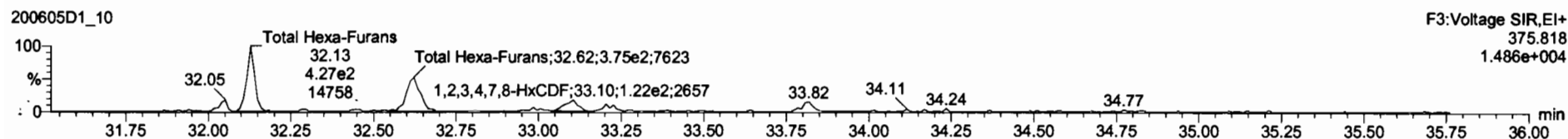
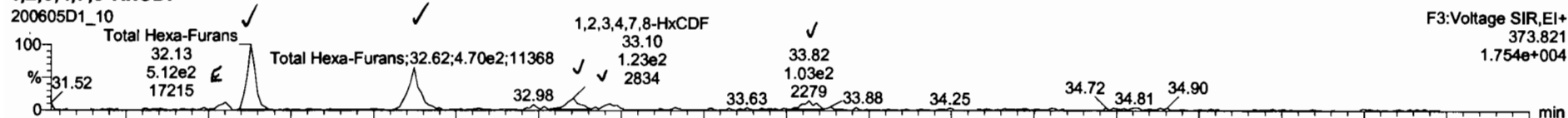


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_10.qld

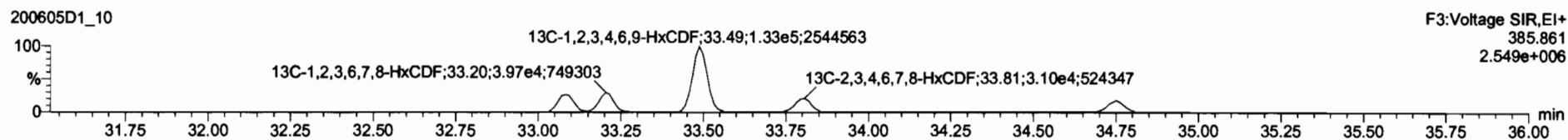
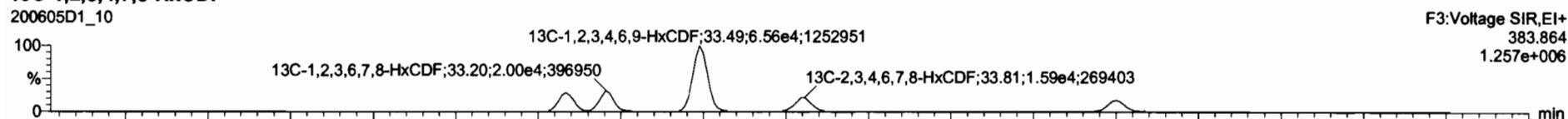
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Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

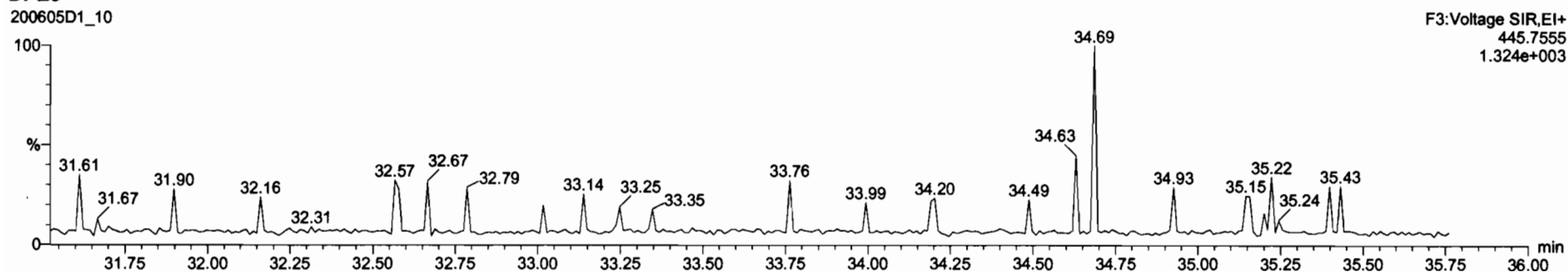
1,2,3,4,7,8-HxCDF

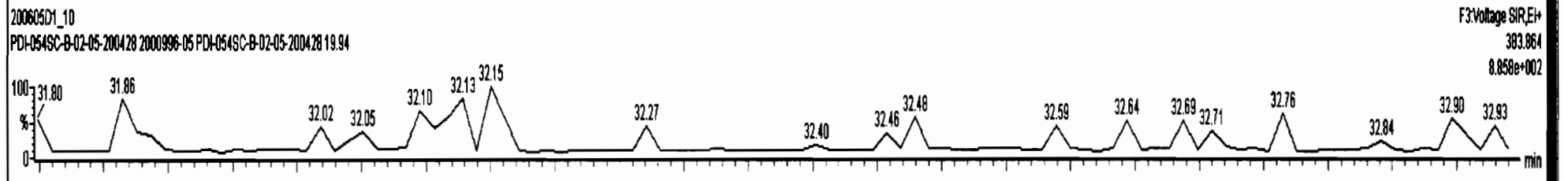
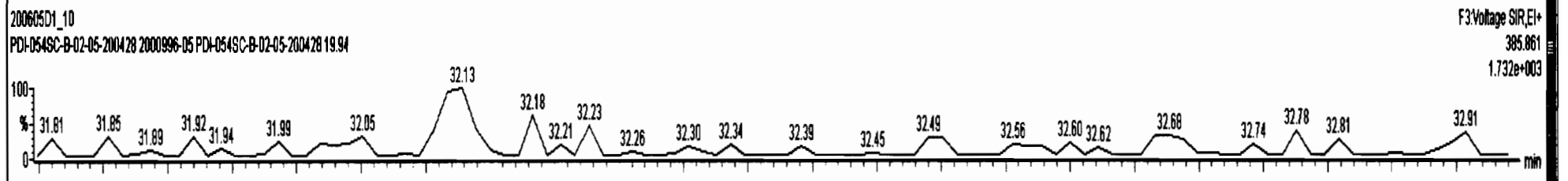
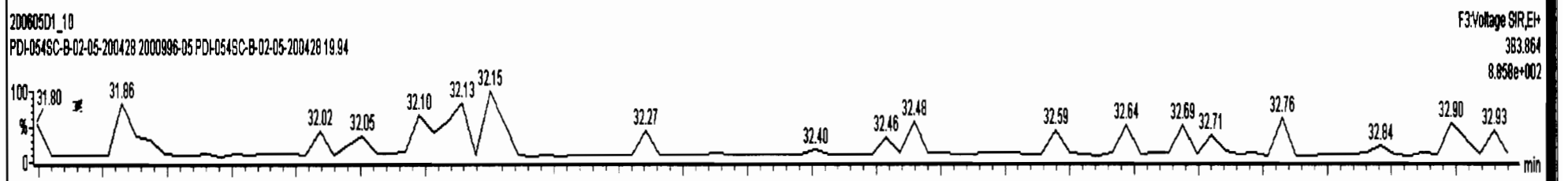
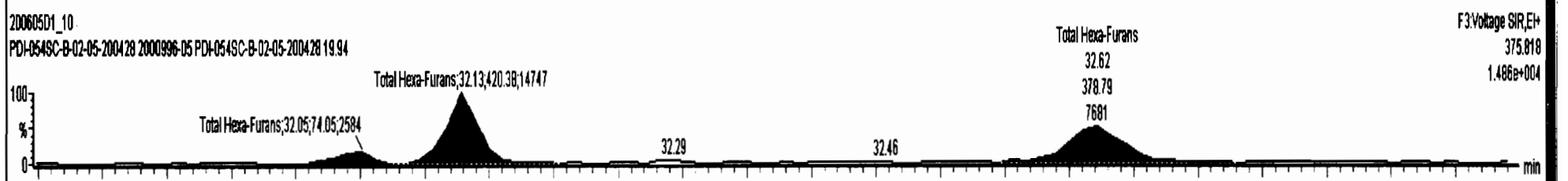


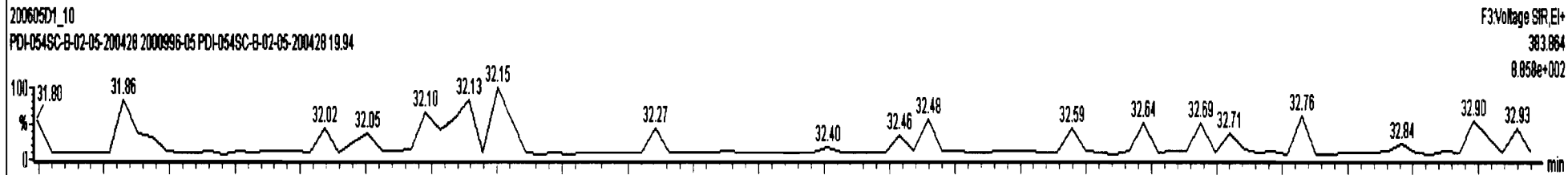
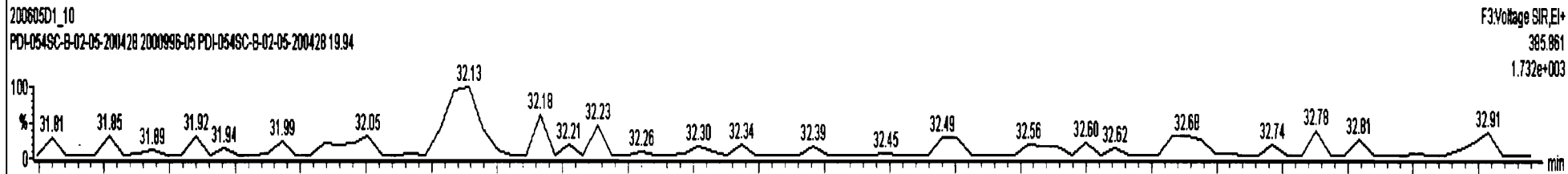
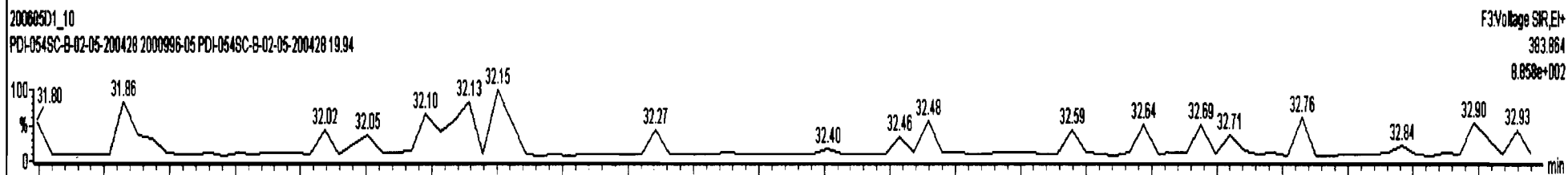
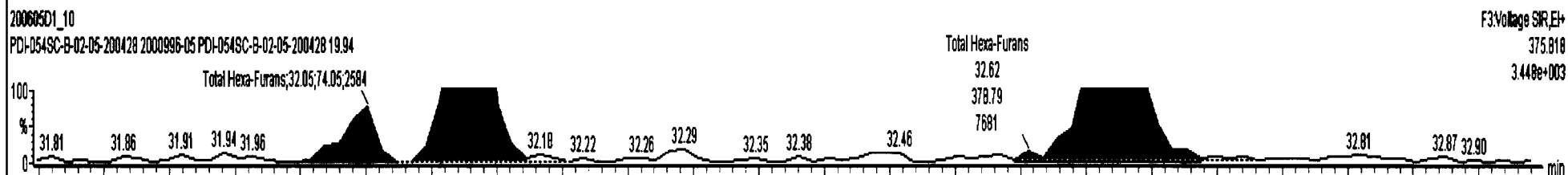
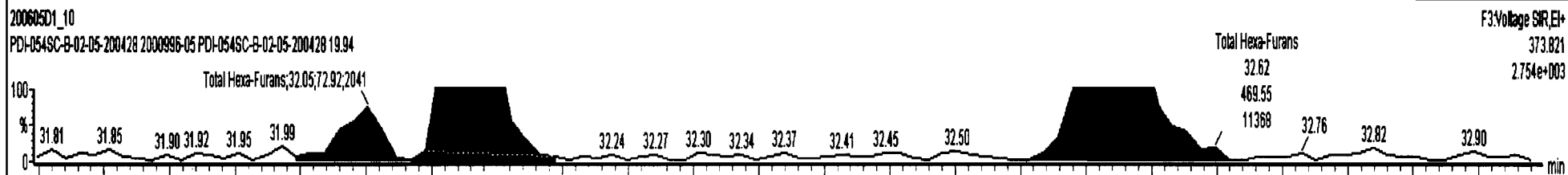
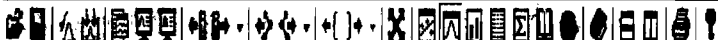
13C-1,2,3,4,7,8-HxCDF

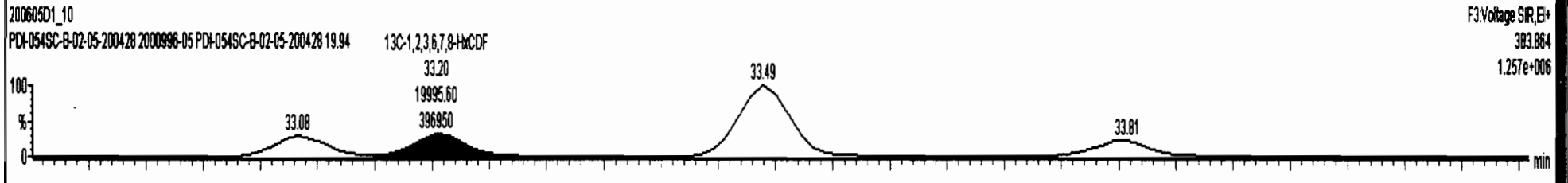
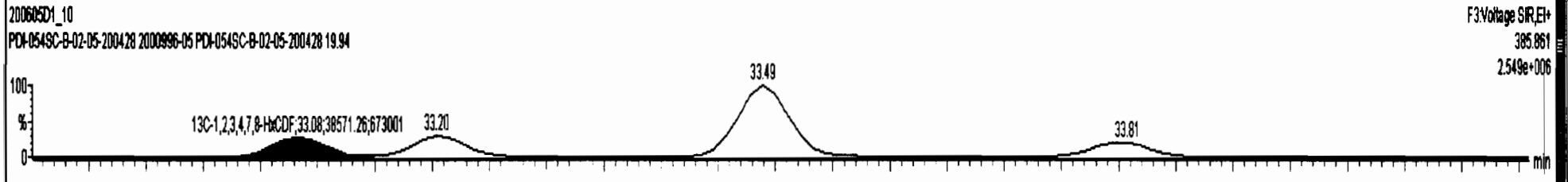
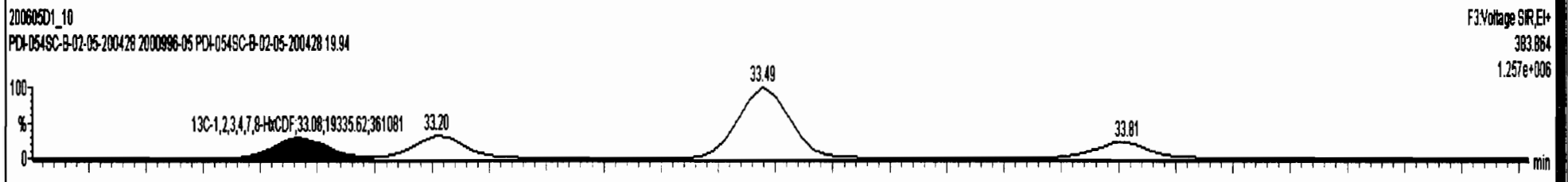
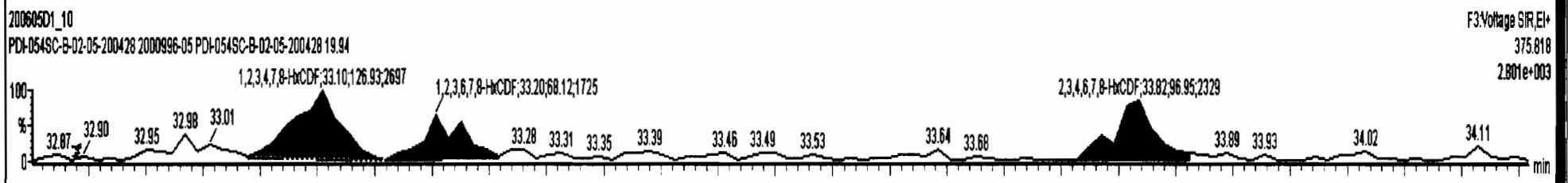
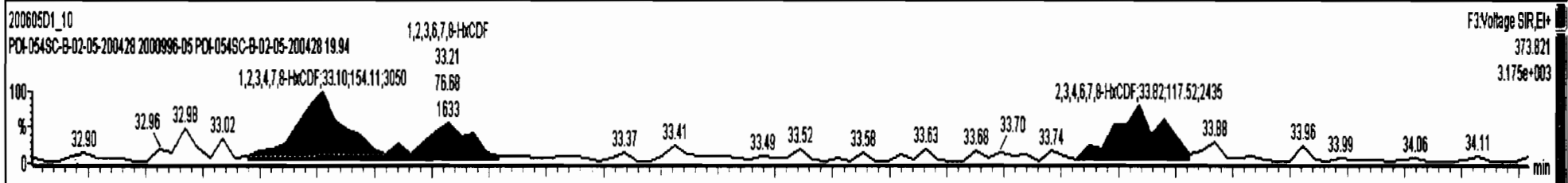


DPE3







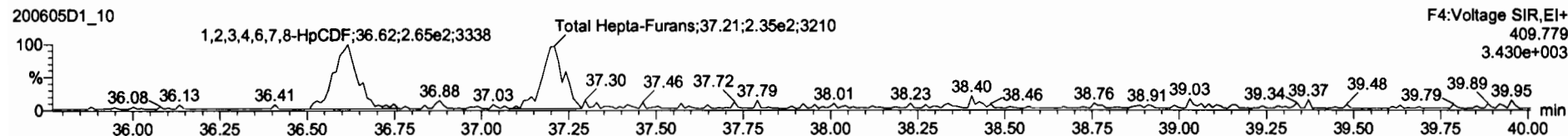
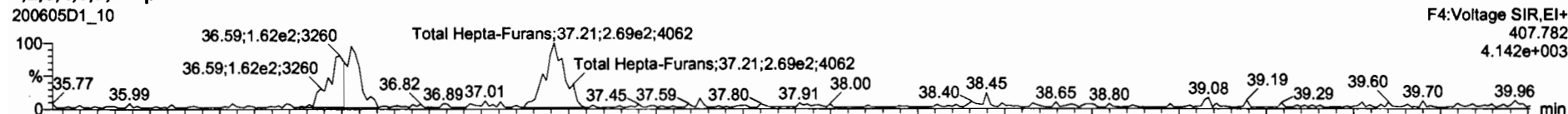


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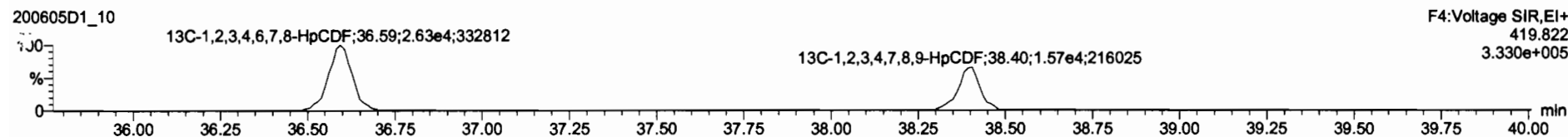
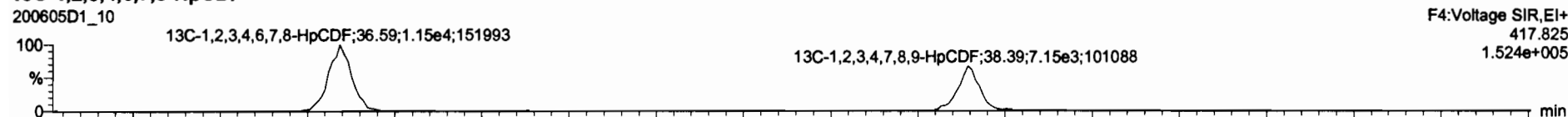
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Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

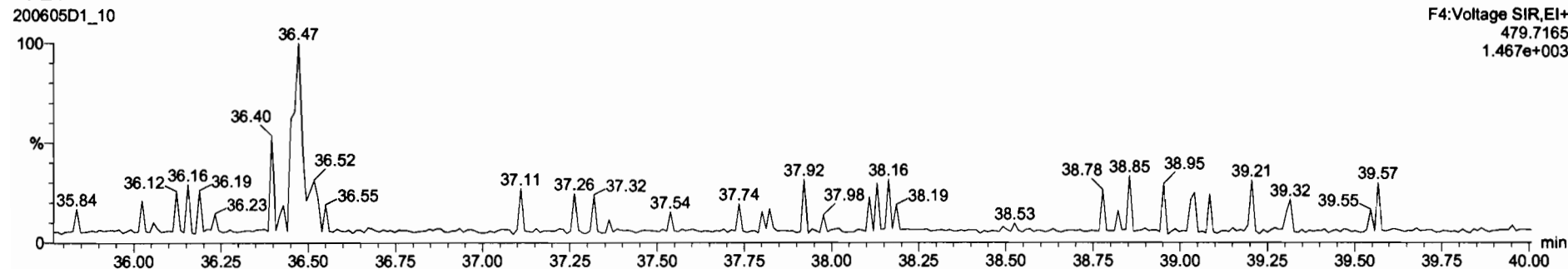
1,2,3,4,6,7,8-HpCDF

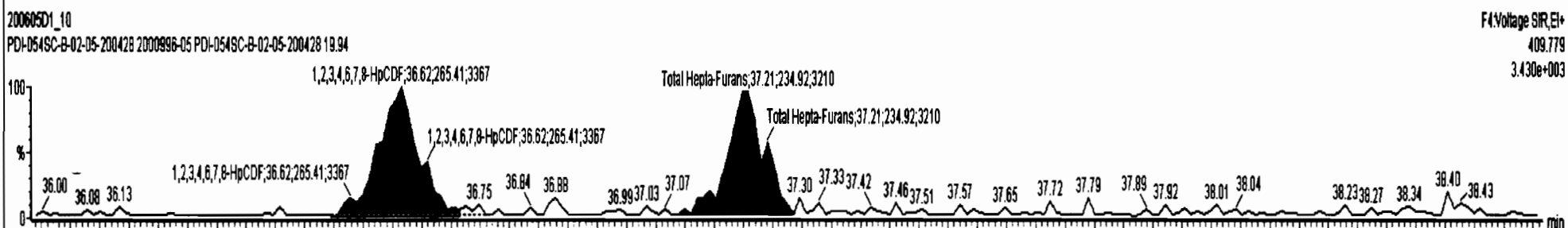
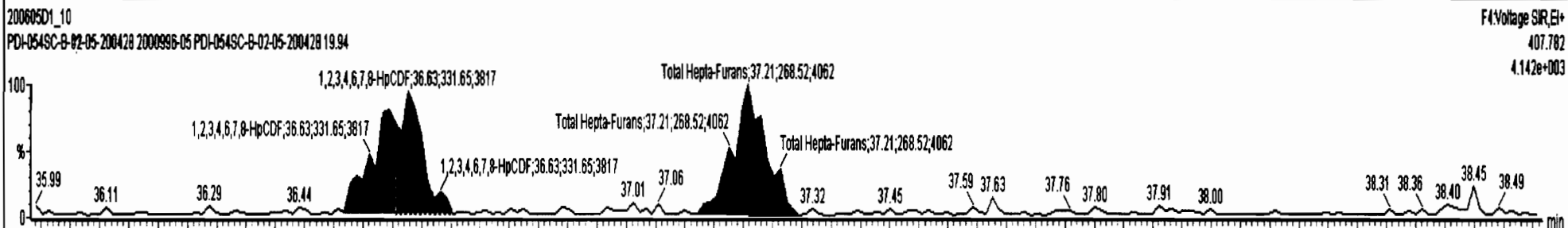


13C-1,2,3,4,6,7,8-HpCDF



DPE4

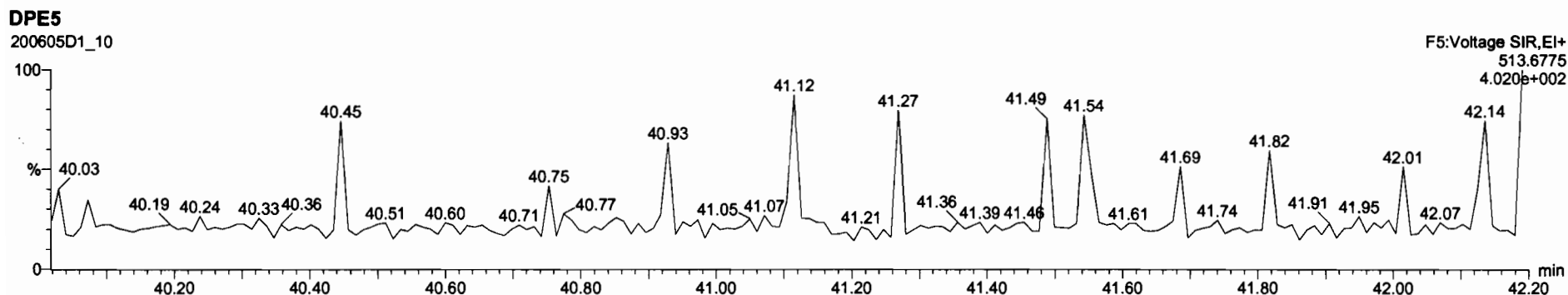
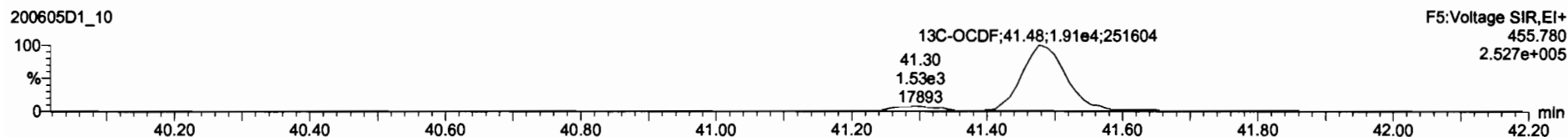
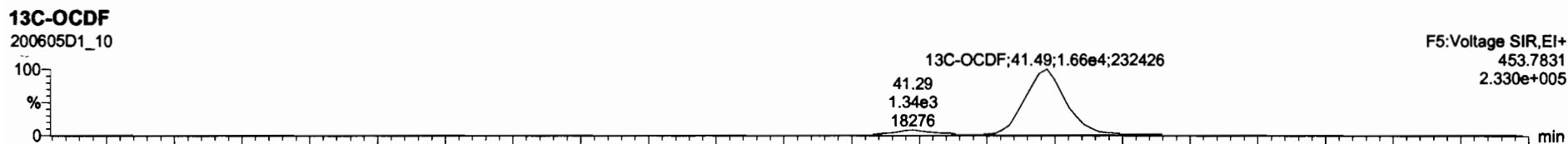
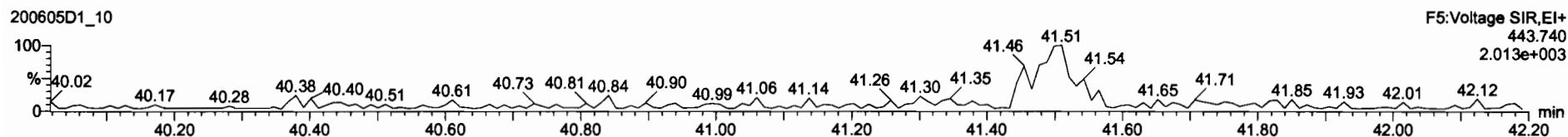
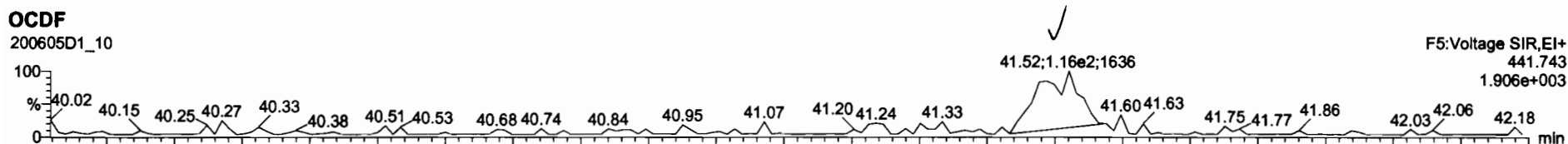


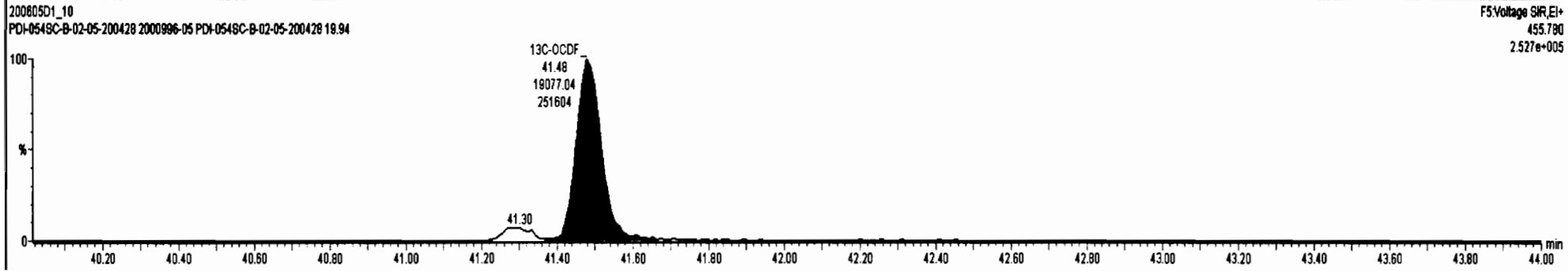
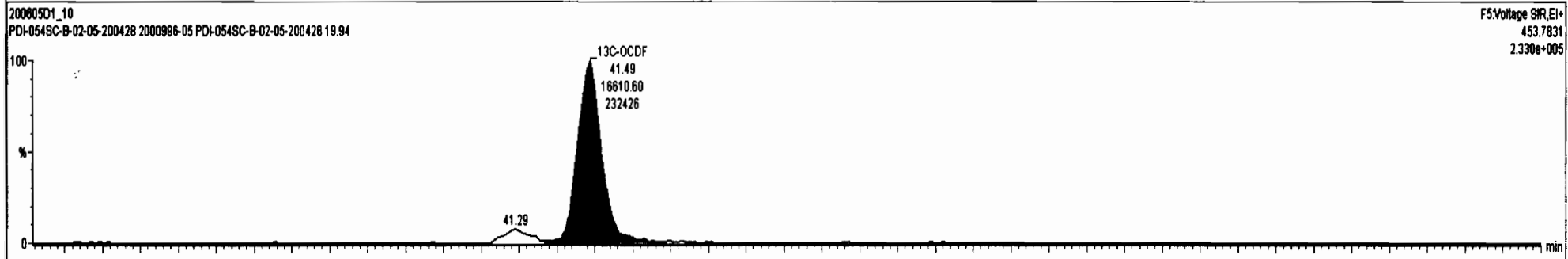
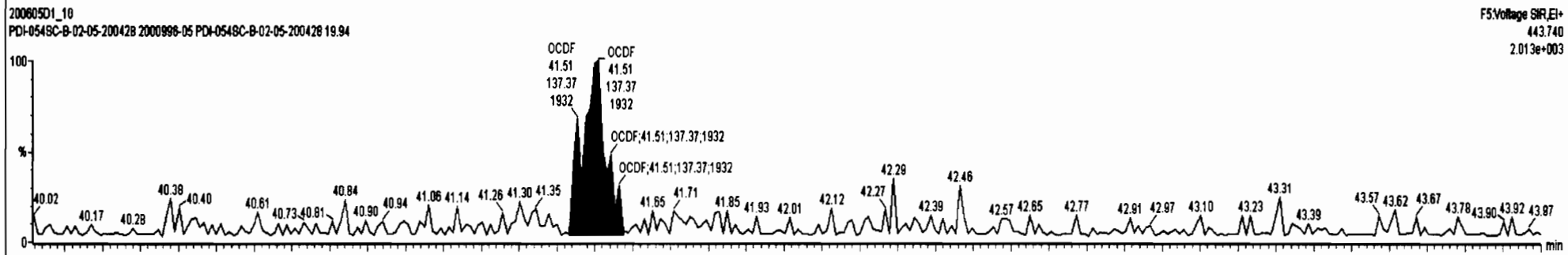
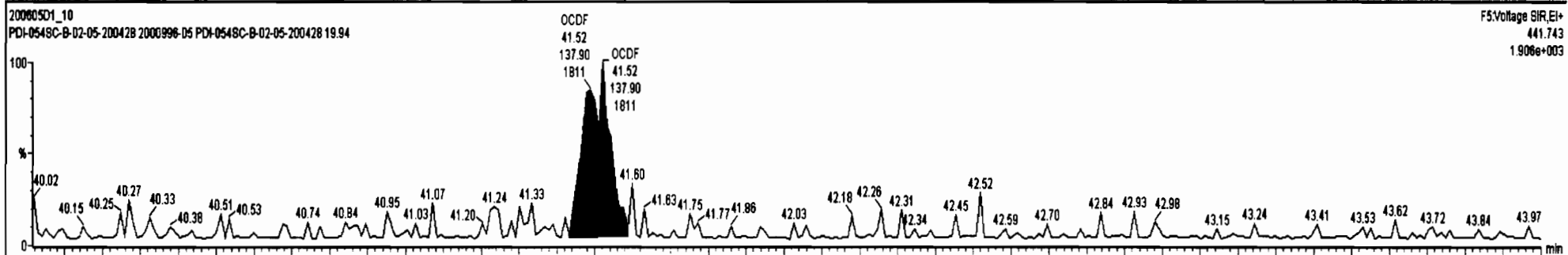
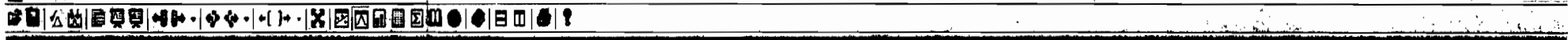


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Last Altered: Monday, June 08, 2020 10:12:52 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 14:30:03 Pacific Daylight Time

Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428

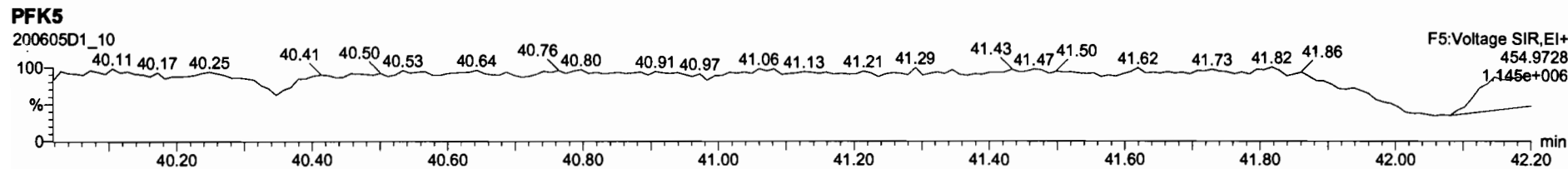
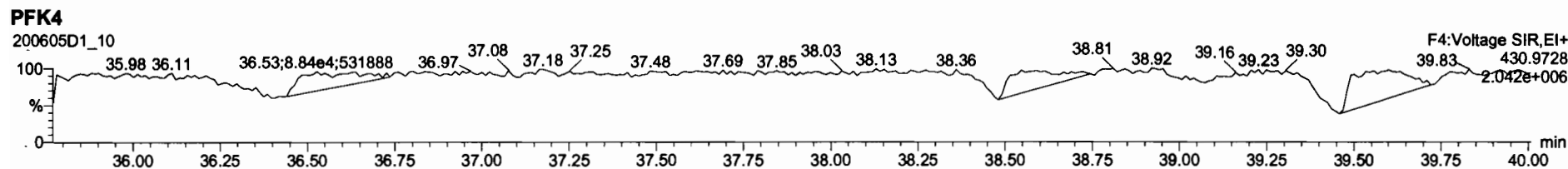
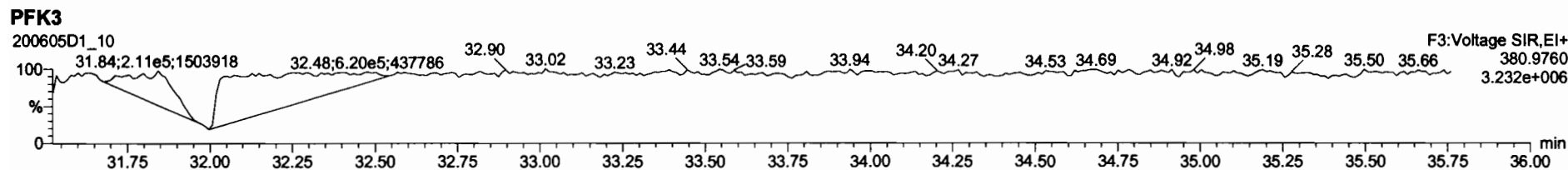
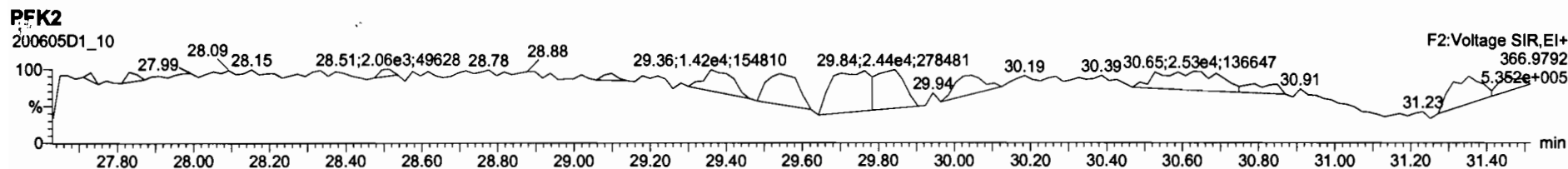
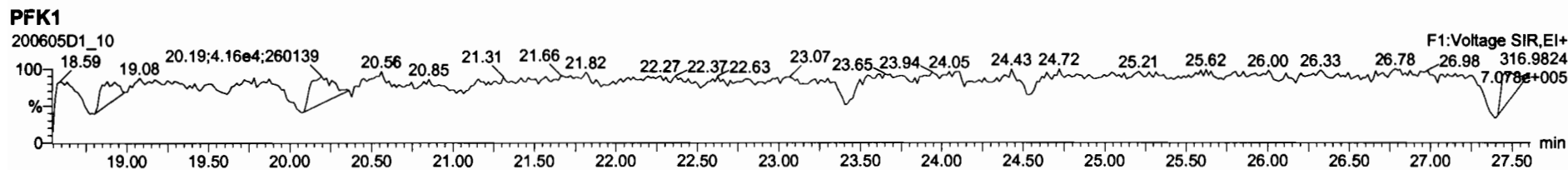




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Printed: Tuesday, June 09, 2020 14:30:03 Pacific Daylight Time

Name: 200605D1_10, Date: 05-Jun-2020, Time: 19:07:45, ID: 2000996-05 PDI-054SC-B-02-05-200428 19.94, Description: PDI-054SC-B-02-05-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

Last Altered: Tuesday, June 09, 2020 14:19:31 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 14:20:53 Pacific Daylight Time

DB 6/9/20 C: 07/08/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
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Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428

Peak	Ret	Area	Wt	RRF	Wt (%)	Conc	Conc	Wt (%)	Wt (%)	Wt (%)	Wt (%)	Wt (%)	Wt (%)
1	2,3,7,8-TCDD		NO	0.987	10.013	26.142		1.001					0.543 0.1017
2	1,2,3,7,8-PeCDD		NO	0.982	10.013	30.670		1.001					0.522
3	1,2,3,4,7,8-HxCDD		NO	1.17	10.013	33.971		1.000					0.548
4	1,2,3,6,7,8-HxCDD		NO	1.04	10.013	34.071		1.000					0.552
5	1,2,3,7,8,9-HxCDD		NO	1.00	10.013	34.401		1.001					0.572
6	1,2,3,4,6,7,8-HpCDD	4.52e2	1.12	NO	0.992	10.013	37.845	37.85	1.000	1.000	2.7623		0.530 2.76
7	OCDD	2.13e3	0.92	NO	1.04	10.013	41.104	41.12	1.000	1.000	17.740		0.786 17.7
8	2,3,7,8-TCDF		NO	0.882	10.013	25.341		1.001					0.984 0.1115
9	1,2,3,7,8-PeCDF		NO	1.05	10.013	29.503		1.001					0.380
10	2,3,4,7,8-PeCDF		NO	1.06	10.013	30.397		1.001					0.376
11	1,2,3,4,7,8-HxCDF		NO	1.08	10.013	33.083		1.000					0.415
12	1,2,3,6,7,8-HxCDF		NO	1.04	10.013	33.214		1.000					0.398
13	2,3,4,6,7,8-HxCDF		NO	1.11	10.013	33.830		1.001					0.433
14	1,2,3,7,8,9-HxCDF		NO	1.06	10.013	34.740		1.000					0.671
15	1,2,3,4,6,7,8-HpCDF	6.38e1	0.61	YES	1.13	10.013	36.609	36.58	1.001	1.000	0.26949		0.226 0.201
16	1,2,3,4,7,8,9-HpCDF		NO	1.33	10.013	38.372		1.000					0.517
17	OCDF		NO	0.933	10.013	41.324		1.000					0.856
18	13C-2,3,7,8-TCDD	4.26e4	0.79	NO	1.21	10.013	26.195	26.11	1.026	1.023	40.657	20.4	0.394
19	13C-1,2,3,7,8-PeCDD	3.76e4	0.64	NO	0.996	10.013	30.688	30.65	1.202	1.200	43.535	21.8	0.245
20	13C-1,2,3,4,7,8-HxCDD	3.55e4	1.31	NO	0.679	10.013	33.958	33.96	1.014	1.014	53.184	26.6	0.458
21	13C-1,2,3,6,7,8-HxCDD	4.23e4	1.37	NO	0.850	10.013	34.068	34.07	1.017	1.017	50.579	25.3	0.366
22	13C-1,2,3,7,8,9-HxCDD	4.42e4	1.28	NO	0.798	10.013	34.340	34.37	1.025	1.026	56.249	28.2	0.390
23	13C-1,2,3,4,6,7,8-HpCDD	3.29e4	1.06	NO	0.697	10.013	37.809	37.83	1.129	1.130	48.072	24.1	0.350
24	13C-OCDD	4.64e4	0.92	NO	0.579	10.013	40.836	41.10	1.219	1.227	81.518	20.4	0.260
25	13C-2,3,7,8-TCDF	5.93e4	0.80	NO	1.13	10.013	25.276	25.32	0.990	0.992	36.146	18.1	0.423
26	13C-1,2,3,7,8-PeCDF	5.79e4	1.59	NO	0.996	10.013	29.506	29.48	1.156	1.155	39.942	20.0	0.276
27	13C-2,3,4,7,8-PeCDF	4.89e4	1.64	NO	0.969	10.013	30.407	30.37	1.191	1.189	34.710	17.4	0.284
28	13C-1,2,3,4,7,8-HxCDF	5.11e4	0.49	NO	1.06	10.013	33.087	33.08	0.988	0.988	49.146	24.6	0.284
29	13C-1,2,3,6,7,8-HxCDF	5.60e4	0.49	NO	1.18	10.013	33.221	33.20	0.992	0.991	48.419	24.2	0.255
30	13C-2,3,4,6,7,8-HxCDF	5.03e4	0.49	NO	1.06	10.013	33.794	33.80	1.009	1.009	48.404	24.2	0.284
31	13C-1,2,3,7,8,9-HxCDF	3.97e4	0.52	NO	0.879	10.013	34.695	34.74	1.036	1.037	45.896	23.0	0.341

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

Last Altered: Tuesday, June 09, 2020 14:19:31 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 14:20:53 Pacific Daylight Time

Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428

32	13C-1,2,3,4,6,7,8-HpCDF	4.19e4	0.43	NO	0.893	10.013	36.403	36.57	1.087	1.092	47.767	23.9	0.313
33	13C-1,2,3,4,7,8,9-HpCDF	2.54e4	0.42	NO	0.613	10.013	38.412	38.37	1.147	1.146	42.103	21.1	0.455
34	13C-OCDF	5.12e4	0.88	NO	0.741	10.013	40.991	41.32	1.224	1.234	70.272	17.6	0.241
35	37Cl-2,3,7,8-TCDD	1.64e4			1.18	10.013	26.192	26.13	1.026	1.023	16.008	20.0	0.0966
36	13C-1,2,3,4-TCDD	1.73e5	0.78	NO	1.00	10.013	25.480	25.53	1.000	1.000	199.75	100	0.475
37	13C-1,2,3,4-TCDF	2.91e5	0.77	NO	1.00	10.013	24.020	24.09	1.000	1.000	199.75	100	0.477
38	13C-1,2,3,4,6,9-HxCDF	1.96e5	0.50	NO	1.00	10.013	33.530	33.49	1.000	1.000	199.75	100	0.300
39	Total Tetra-Dioxins				0.987	10.013	24.620		0.000				0.297
40	Total Penta-Dioxins				0.982	10.013	29.960		0.000				0.224
41	Total Hexa-Dioxins				1.04	10.013	33.635		0.000		1.4283		0.573
42	Total Hepta-Dioxins				0.992	10.013	37.640		0.000		6.6426		0.530
43	Total Tetra-Furans				0.882	10.013	23.610		0.000				0.529
44	1st Func. Penta-Furans				1.05	10.013	27.090		0.000				0.0695
45	Total Penta-Furans				1.05	10.013	29.275		0.000				0.165
46	Total Hexa-Furans				1.11	10.013	33.555		0.000		0.34369		0.250
47	Total Hepta-Furans				1.13	10.013	37.835		0.000		0.00000		0.262
													0.344
													0.201

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

Last Altered: Tuesday, June 09, 2020 14:19:31 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 14:20:53 Pacific Daylight Time

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

Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428

Tetra-Dioxins



Penta-Dioxins



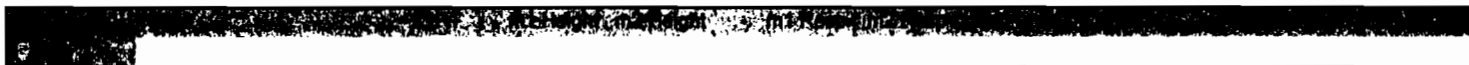
Hexa-Dioxins

	Area	Height	Height	Area	Area	Area	Area	Area	Area	Area	Area
Total Hexa-Dioxins	32.45	4.575e3	3.037e3	2.123e2	1.475e2	1.44	YES	0.000e0	0.00000	1.5670	0.573
Total Hexa-Dioxins	33.03	1.265e3	1.136e3	6.197e1	5.123e1	1.21	NO	1.132e2	0.53697	0.53697	0.573
Total Hexa-Dioxins	33.29	2.103e3	1.313e3	1.084e2	7.948e1	1.36	NO	1.879e2	0.89135	0.89135	0.573

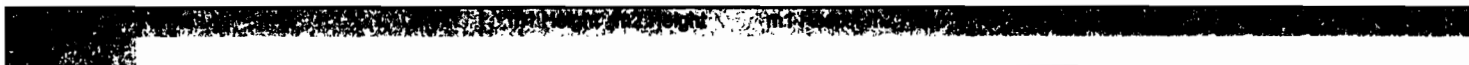
Hepta-Dioxins

	Area	Height	Height	Area	Area	Area	Area	Area	Area	Area	Area
Total Hepta-Dioxins	36.99	5.420e3	4.618e3	3.080e2	3.266e2	0.94	NO	6.346e2	3.8802	3.8802	0.530
1,2,3,4,6,7,8-HpCDD	37.85	4.244e3	4.443e3	2.383e2	2.134e2	1.12	NO	4.518e2	2.7623	2.7623	0.530

Tetra-Furans



Penta-Furans function 1



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

Last Altered: Tuesday, June 09, 2020 14:19:31 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 14:20:53 Pacific Daylight Time

Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428

Penta-Furans

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Hexa-Furans

Total Hexa-Furans	32.10	1.340e3	8.370e2	5.081e1	4.337e1	1.17	NO	9.418e1	0.34369	0.34369	0.250
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Hepta-Furans

1,2,3,4,6,7,8-HpCDF	36.58	7.100e2	1.248e3	2.421e1	3.961e1	0.61	YES	6.381e1	0.00000	0.20053	0.226
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Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

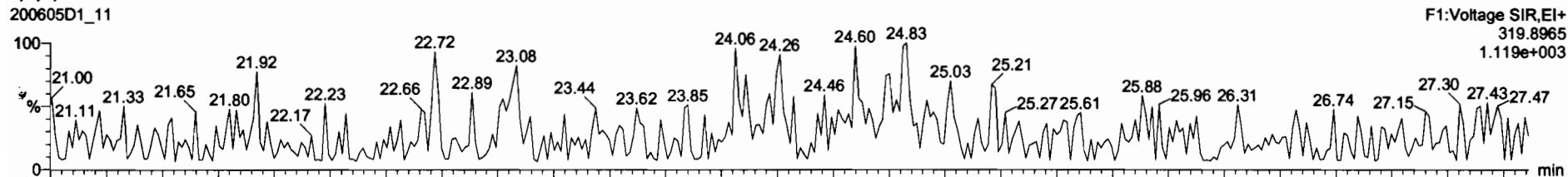
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Printed: Tuesday, June 09, 2020 13:55:49 Pacific Daylight Time

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

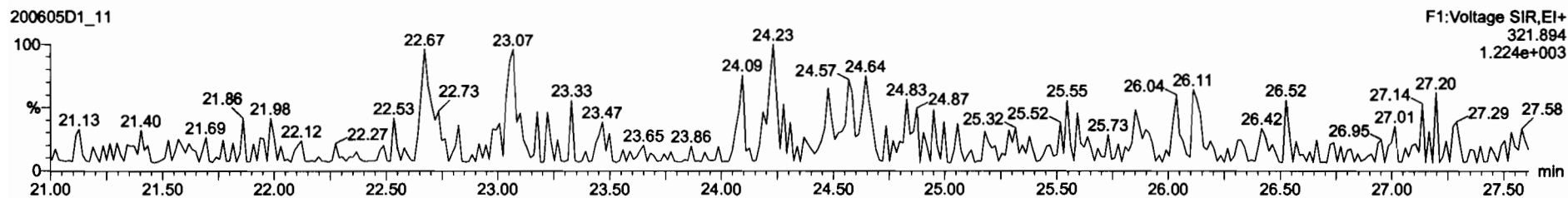
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2,3,7,8-TCDD

200605D1_11



200605D1_11

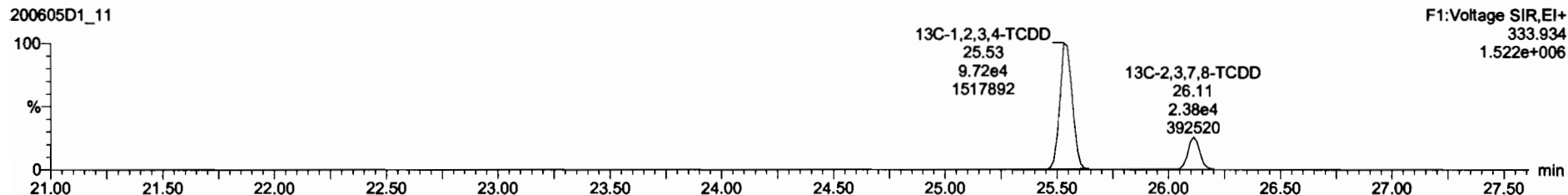


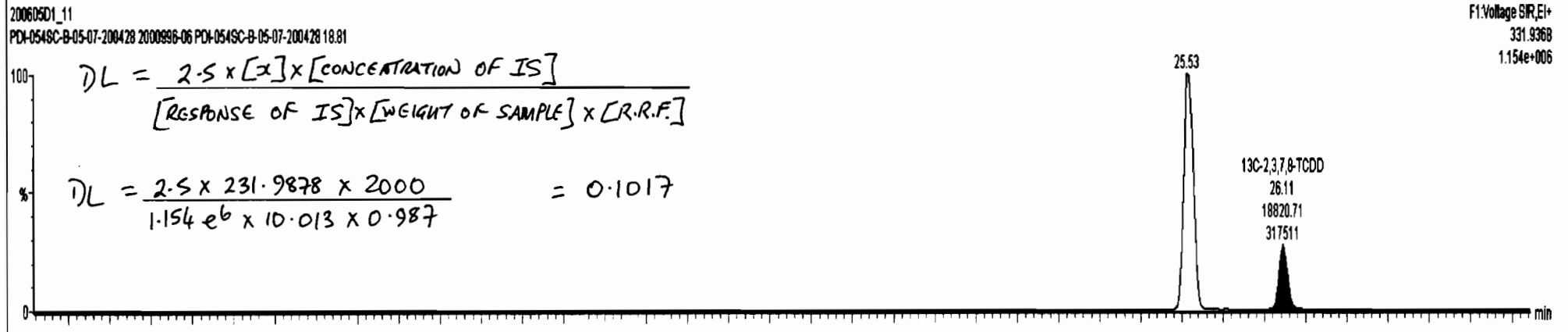
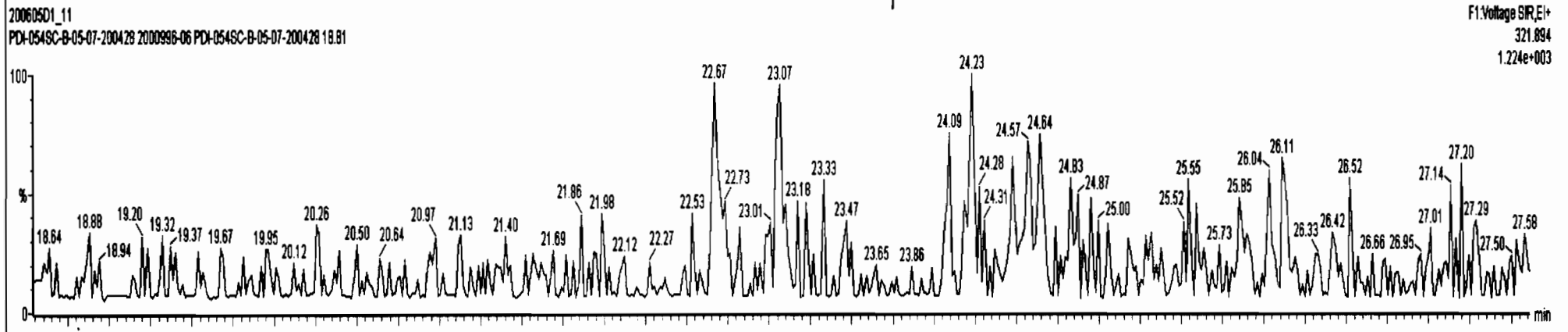
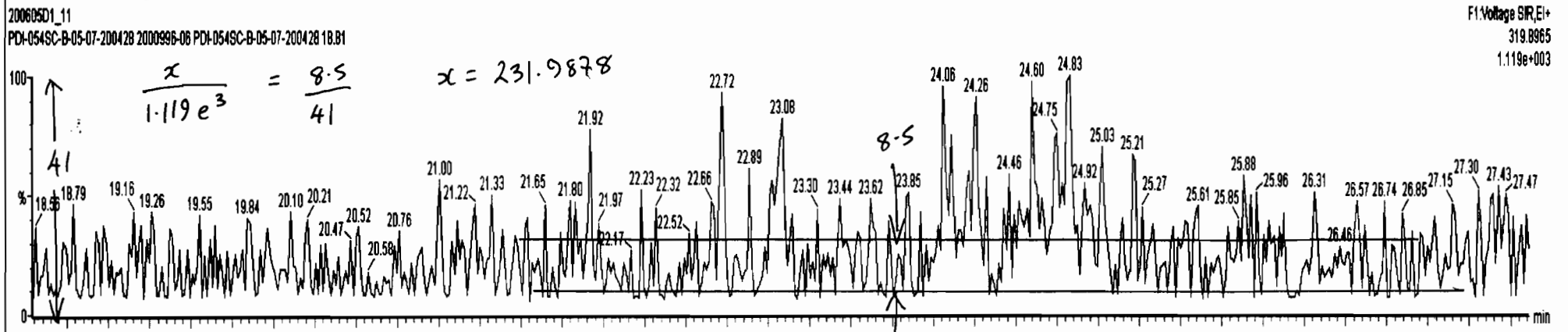
13C-2,3,7,8-TCDD

200605D1_11



200605D1_11





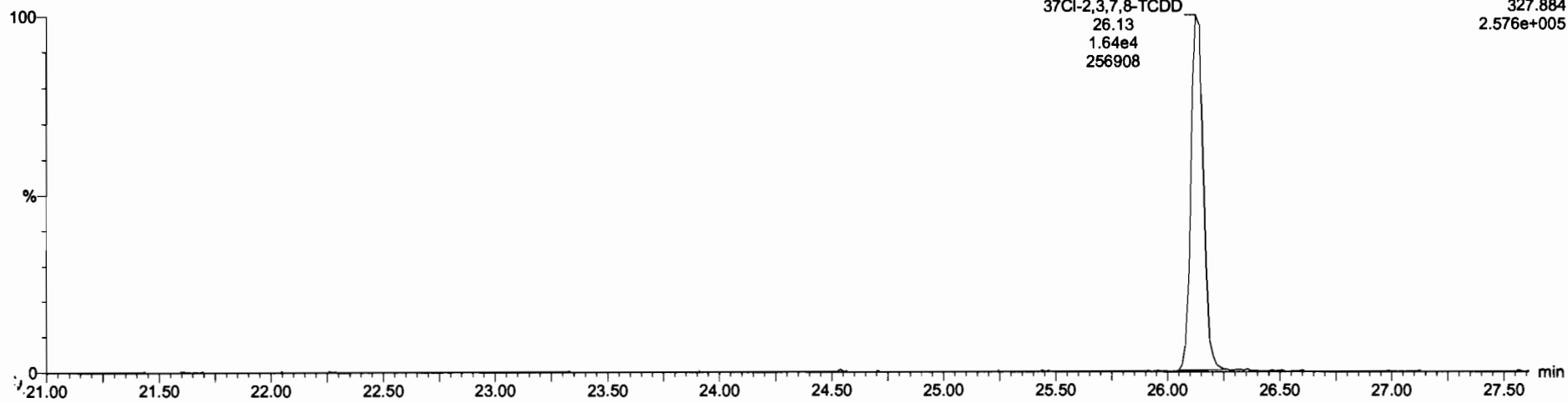
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Printed: Tuesday, June 09, 2020 13:55:49 Pacific Daylight Time

Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428

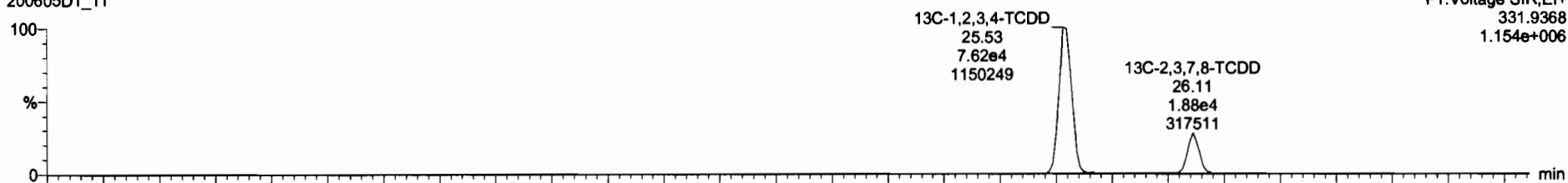
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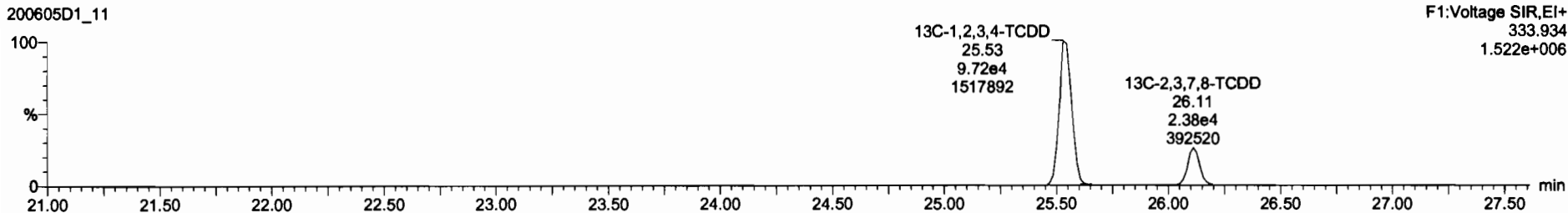


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200605D1_11



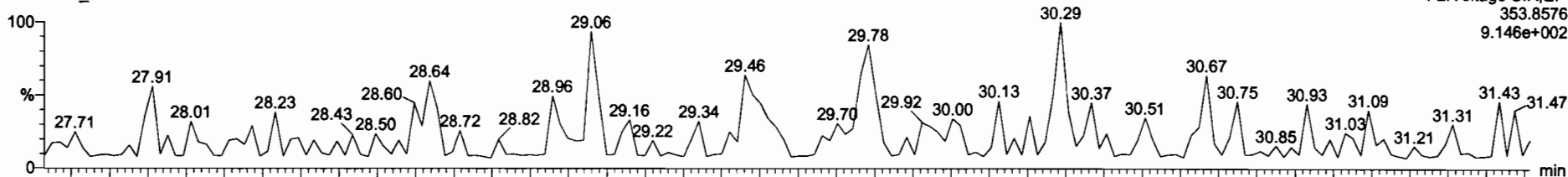
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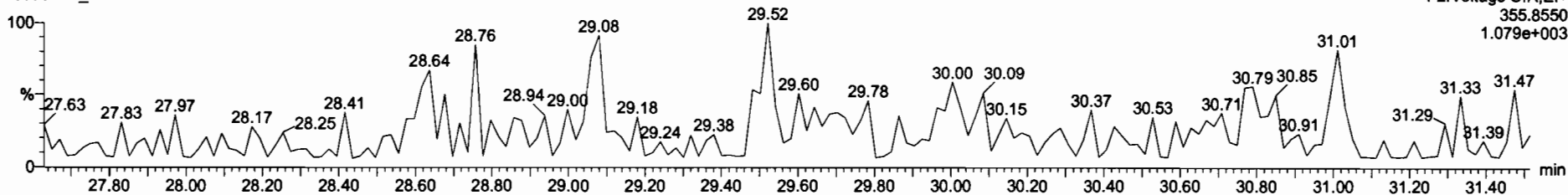
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1,2,3,7,8-PeCDD

200605D1_11

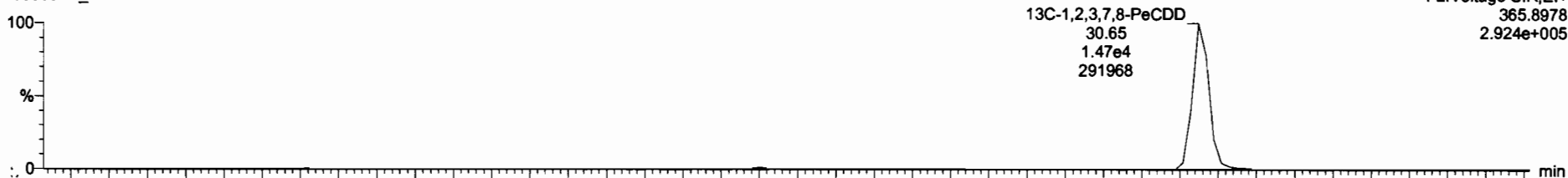


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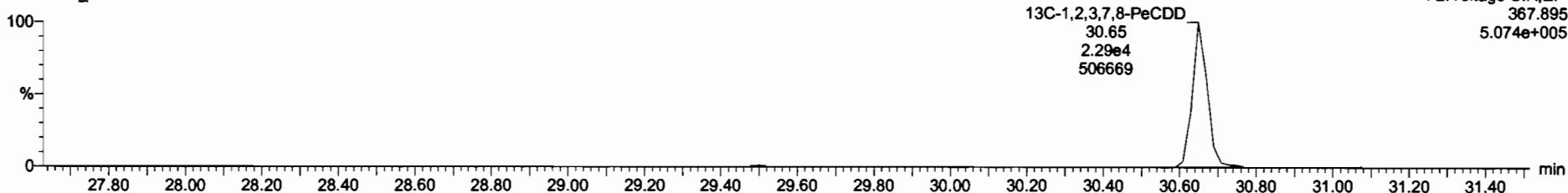


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200605D1_11



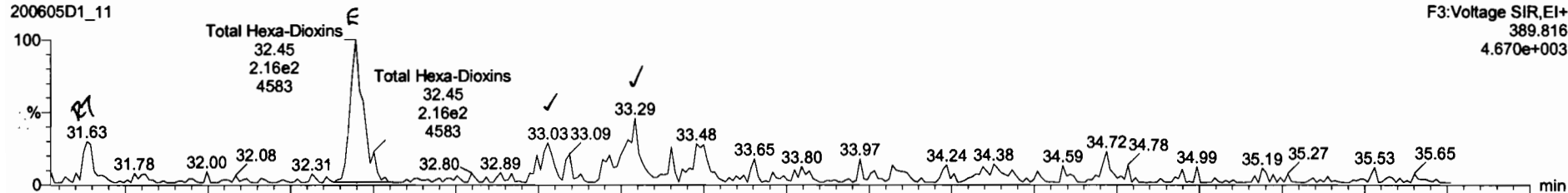
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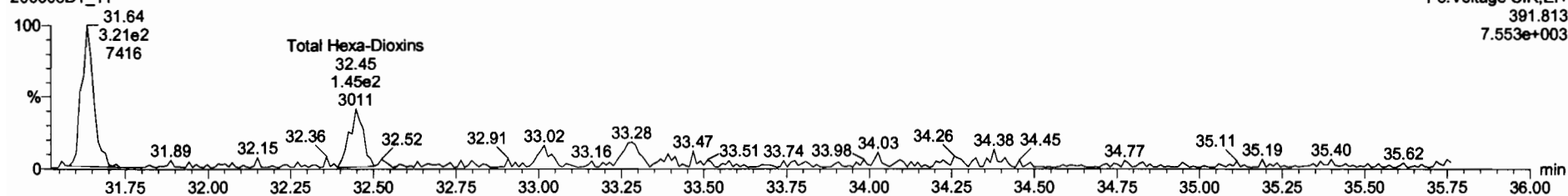
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1,2,3,4,7,8-HxCDD

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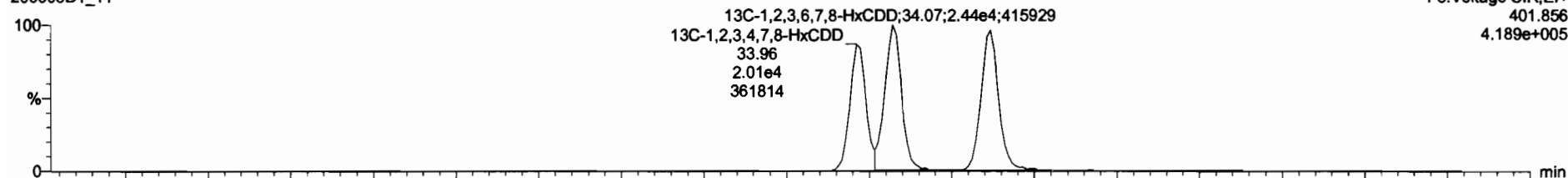


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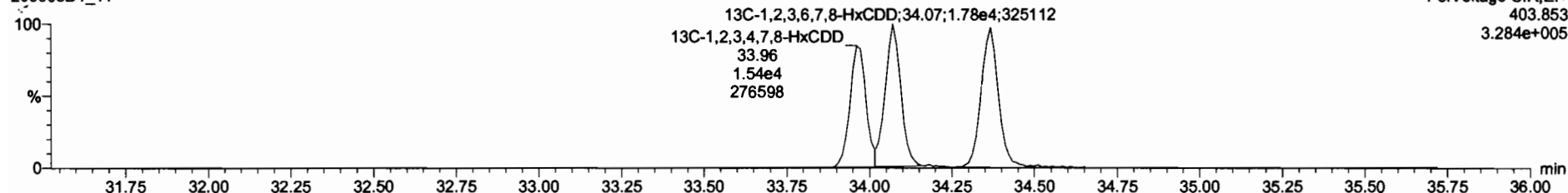


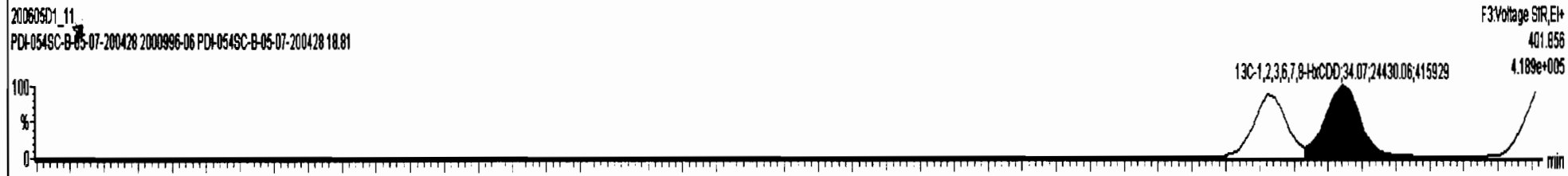
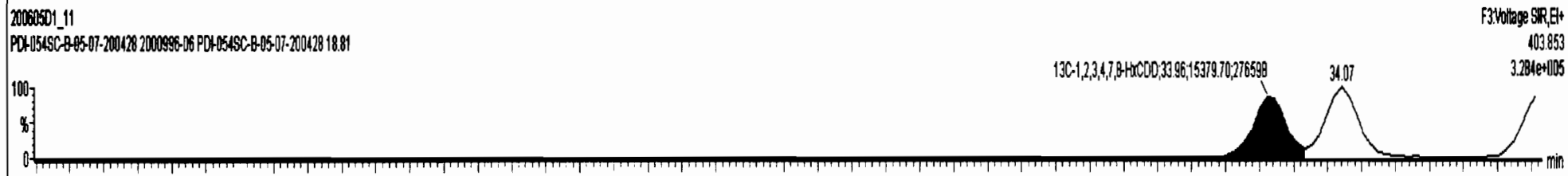
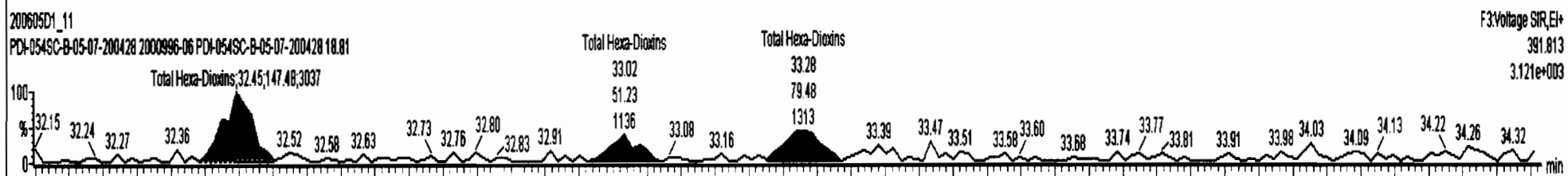
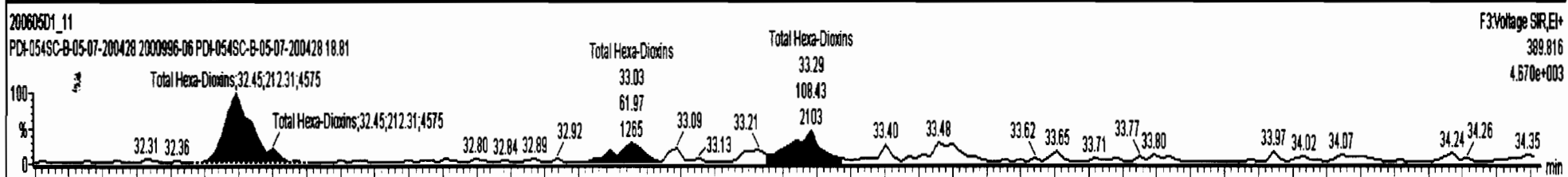
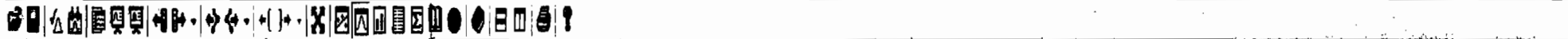
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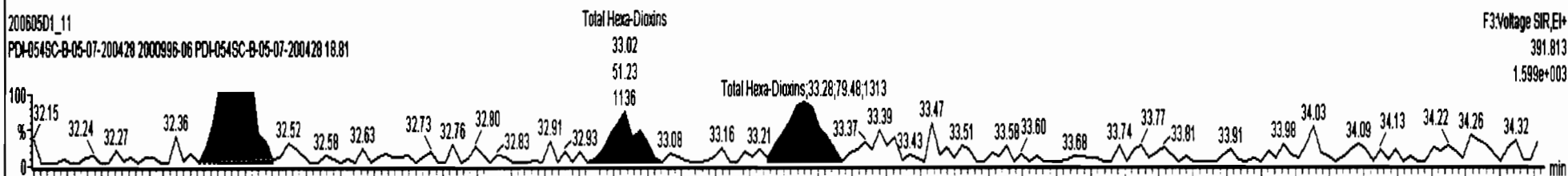
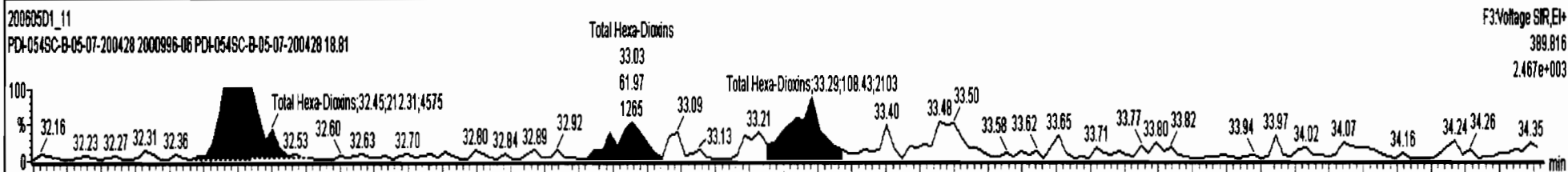
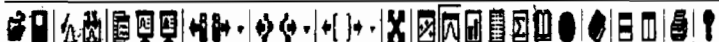
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200605D1_11







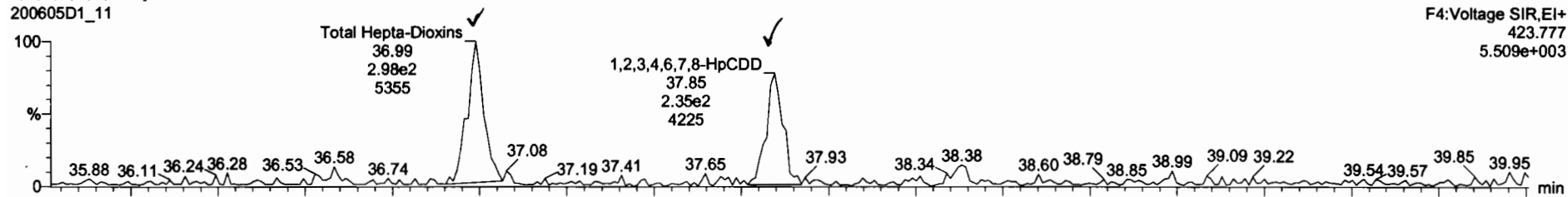
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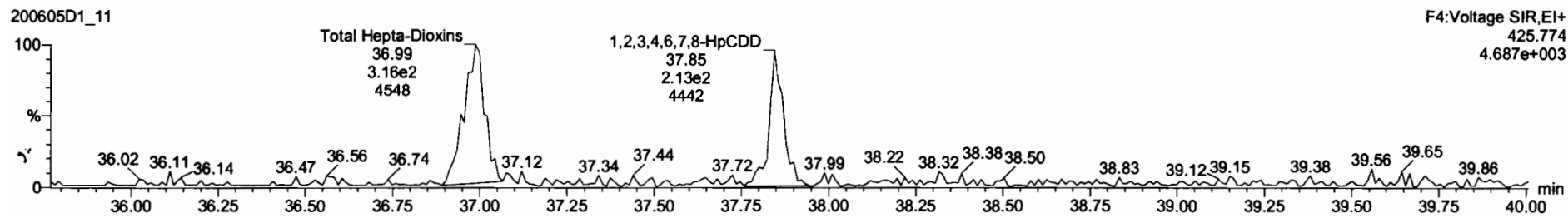
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1,2,3,4,6,7,8-HpCDD

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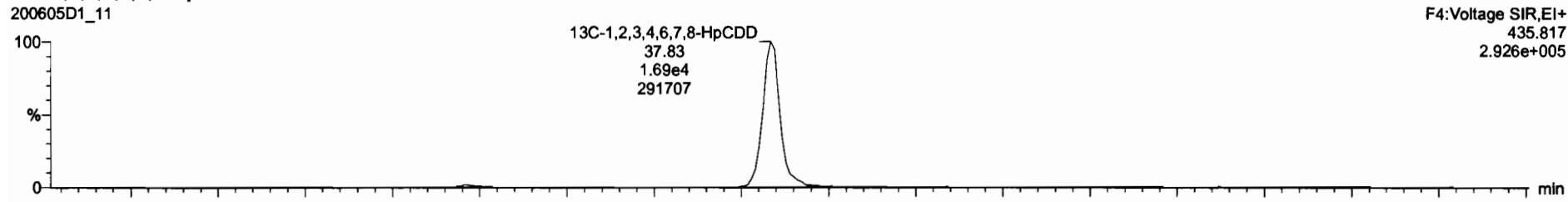


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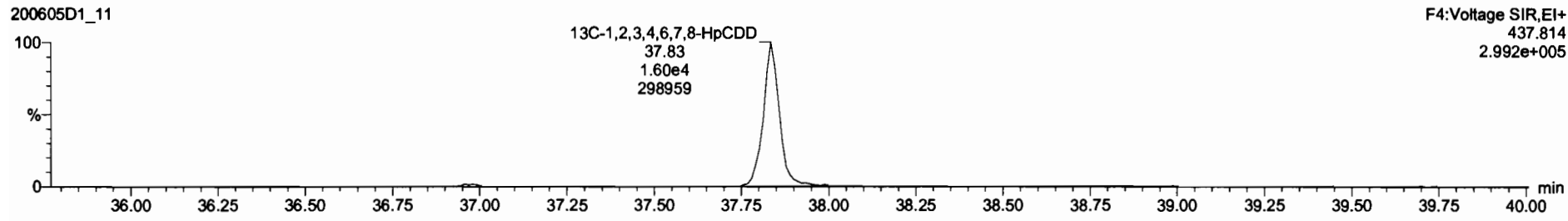


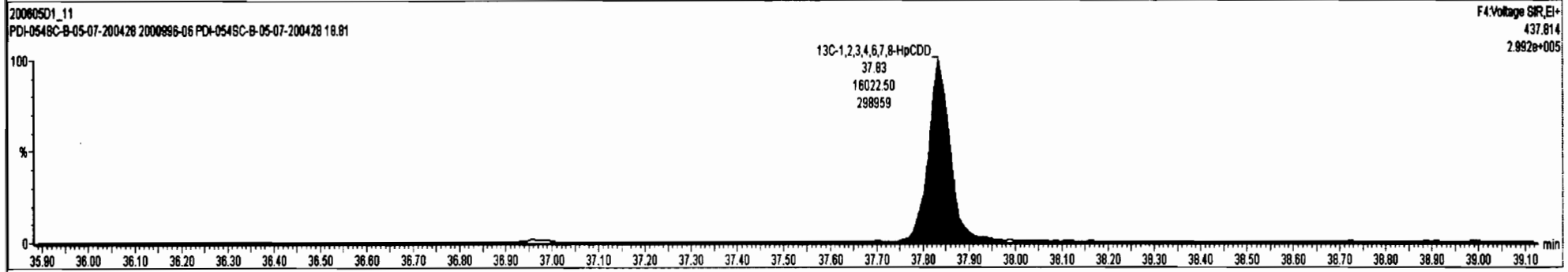
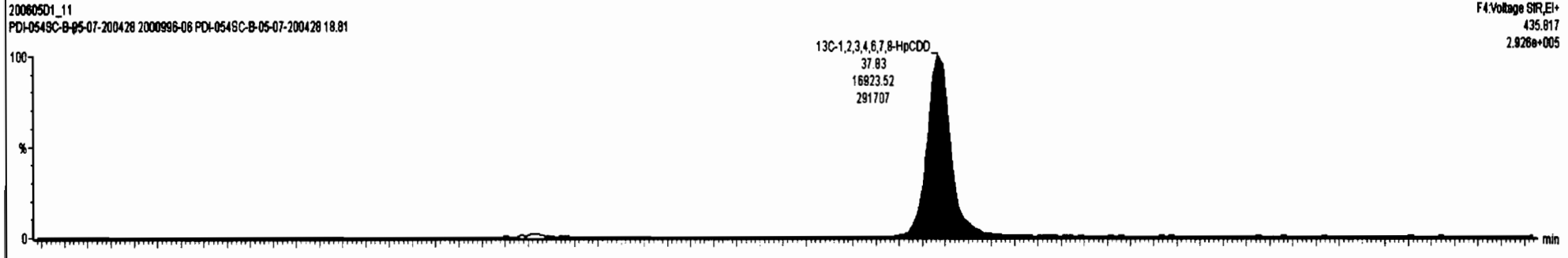
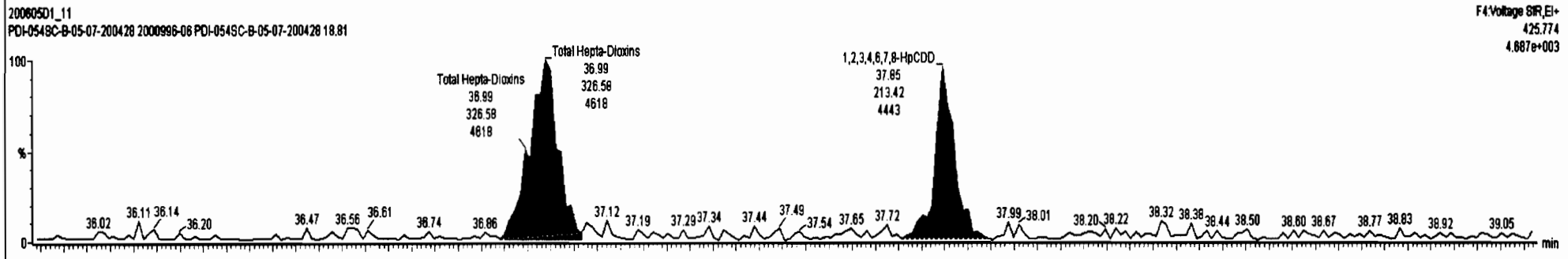
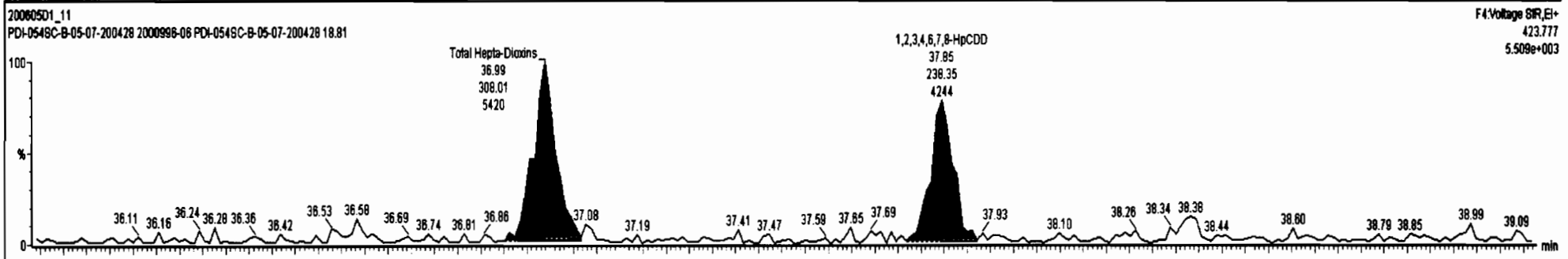
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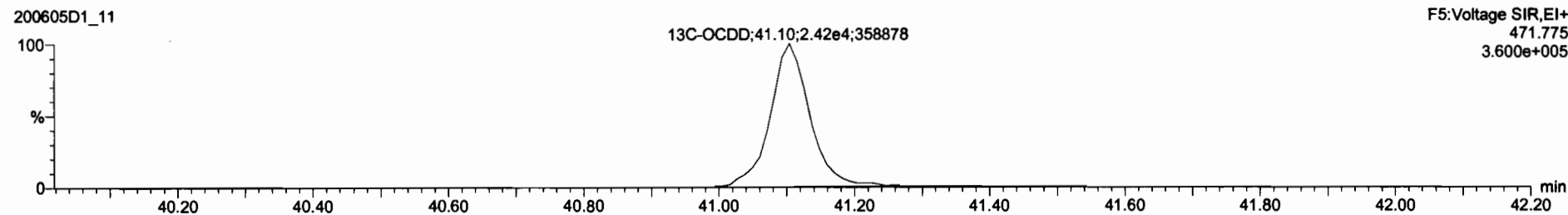
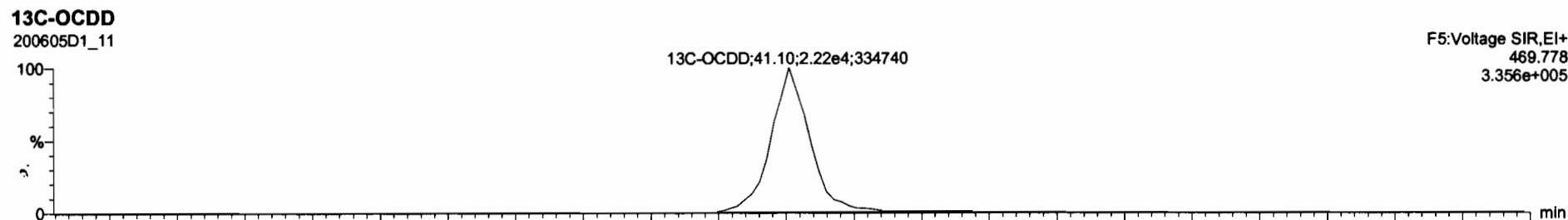
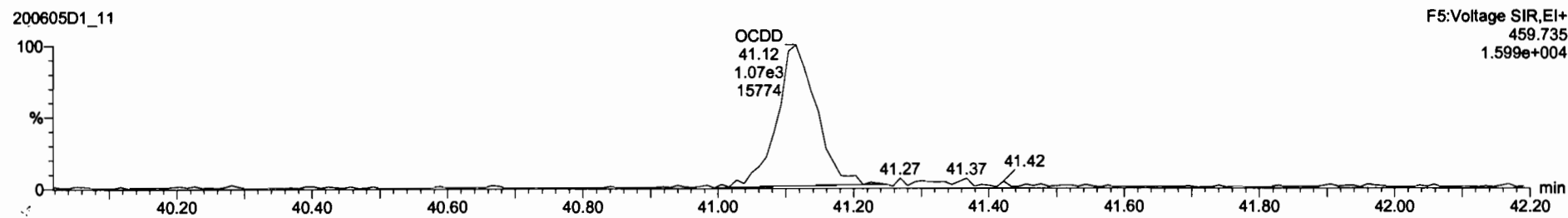
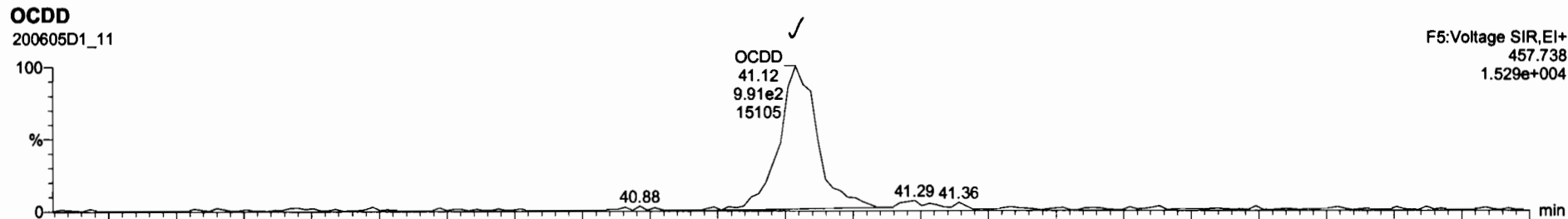
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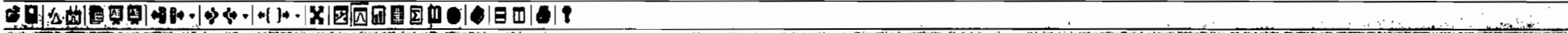




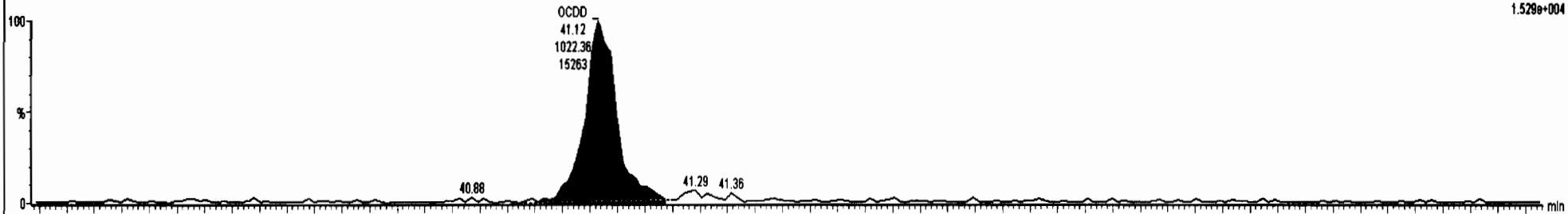
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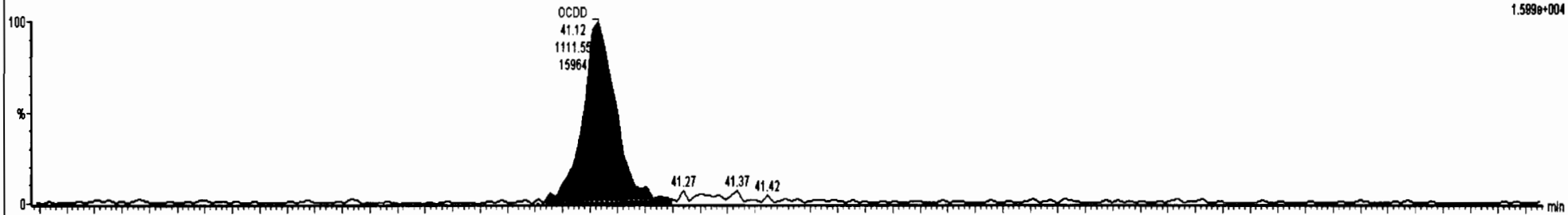




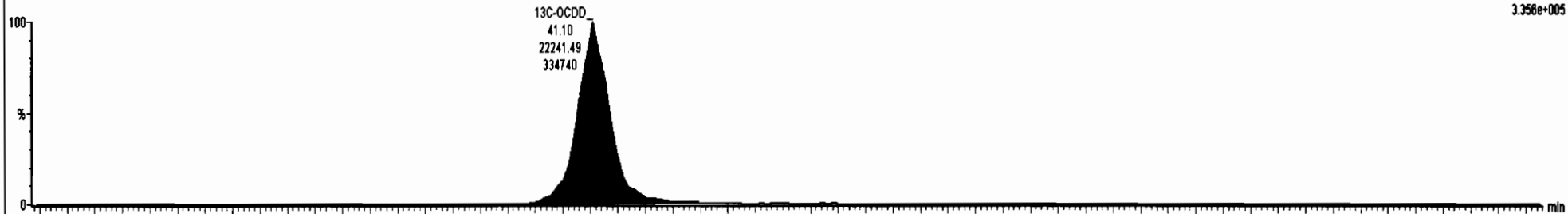
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PDI-0548C-B-05-07-200428 2000996-06 PDI-0548C-B-05-07-200428 18.81 457.738
1.529e+004



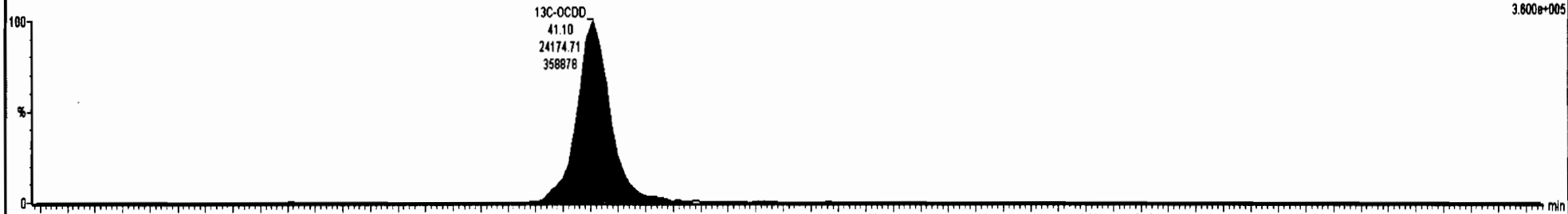
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1.589e+004



200805D1_11 F5:Voltage SIR,EI+
PDI-0548C-B-05-07-200428 2000996-06 PDI-0548C-B-05-07-200428 18.81 469.778
3.356e+005



200805D1_11 F5:Voltage SIR,EI+
PDI-0548C-B-05-07-200428 2000996-06 PDI-0548C-B-05-07-200428 18.81 471.775
3.800e+005



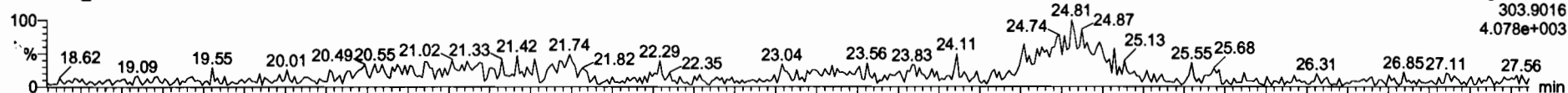
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Last Altered: Monday, June 08, 2020 09:54:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:55:49 Pacific Daylight Time

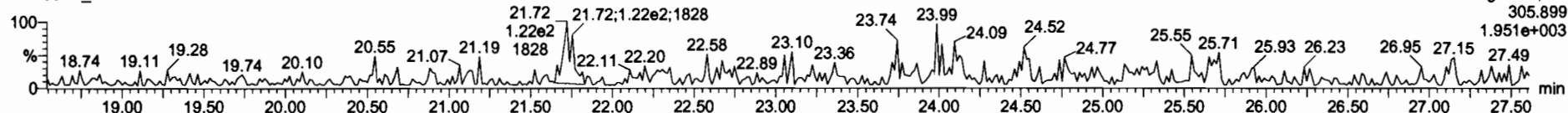
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2,3,7,8-TCDF

200605D1_11

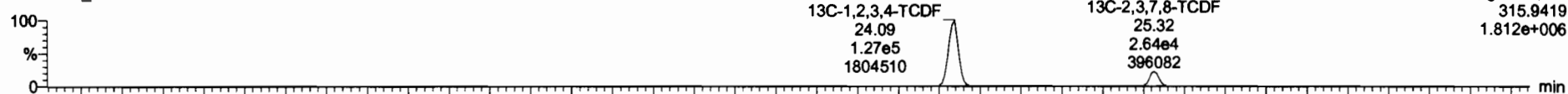


200605D1_11

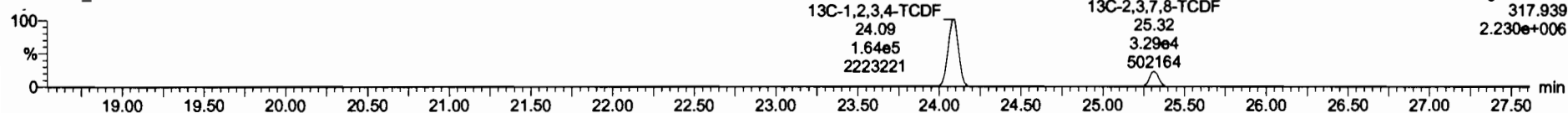


13C-2,3,7,8-TCDF

200605D1_11

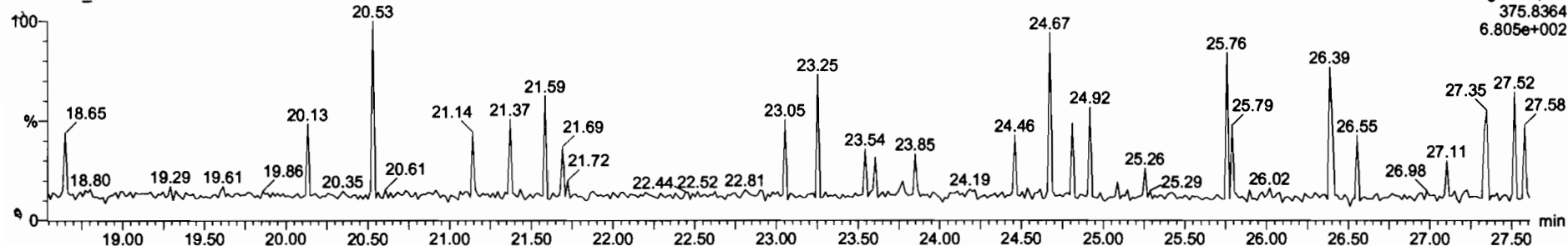


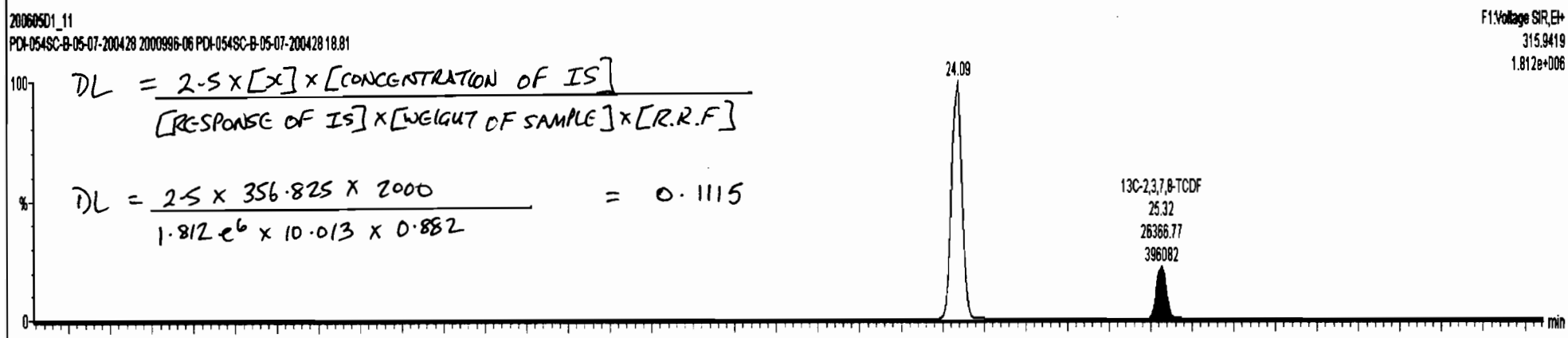
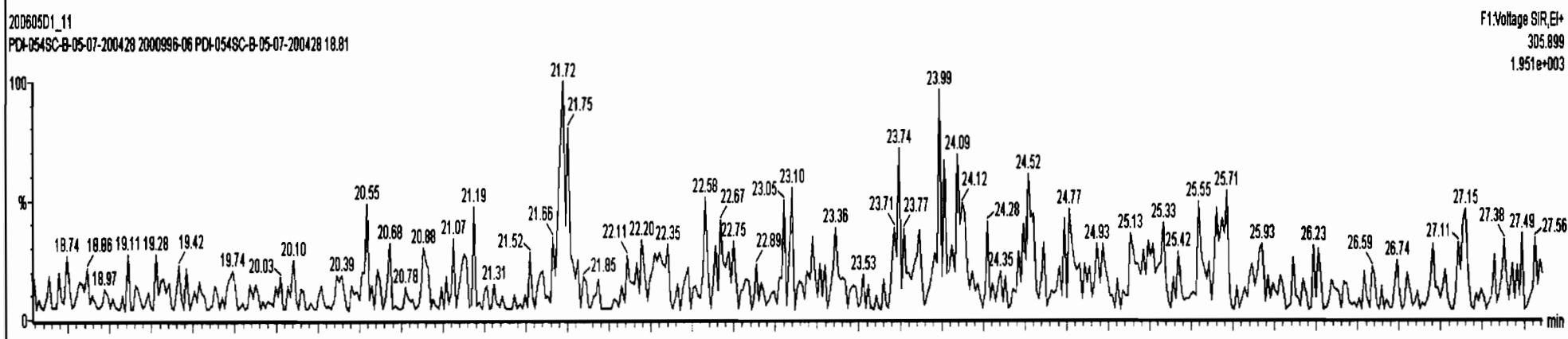
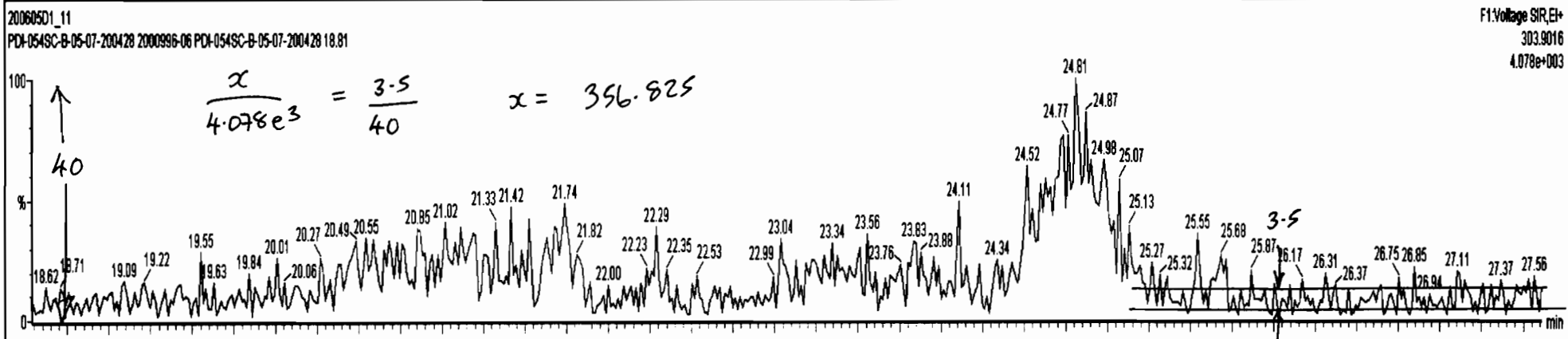
200605D1_11



DPE1

200605D1_11





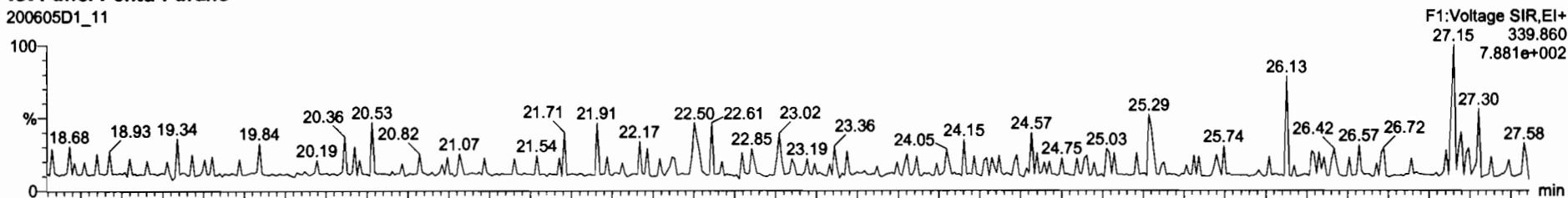
Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

Last Altered: Monday, June 08, 2020 09:54:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:55:49 Pacific Daylight Time

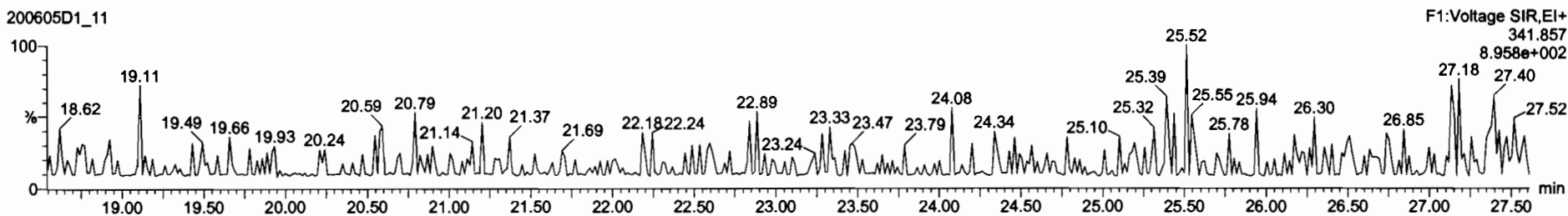
Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428

1st Func. Penta-Furans

200605D1_11

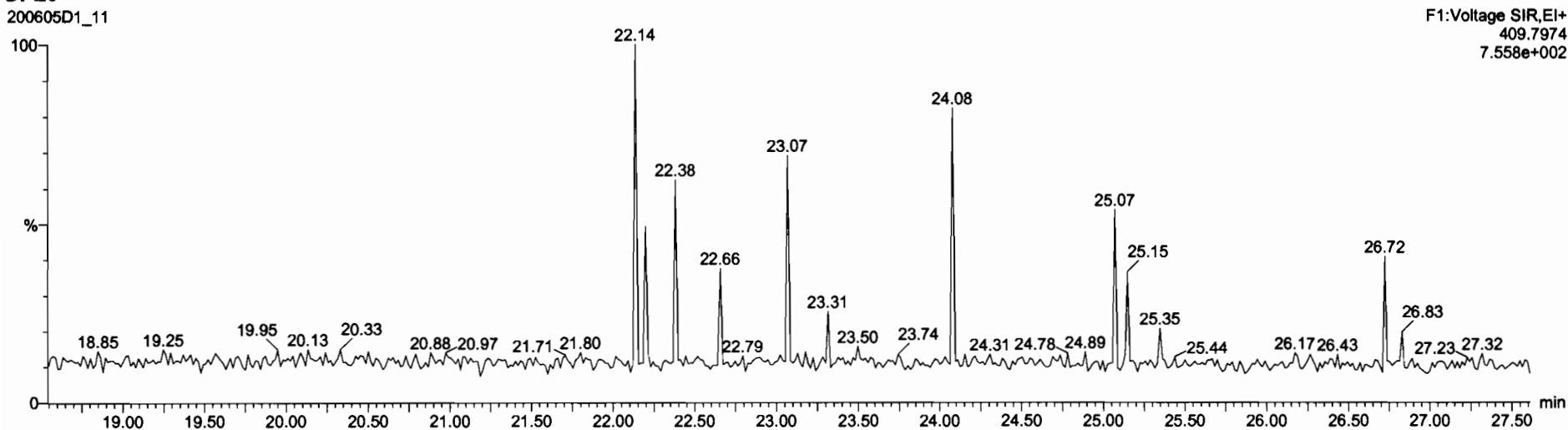


200605D1_11



DPE6

200605D1_11

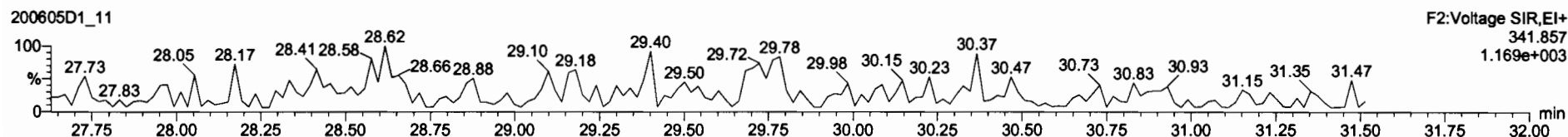
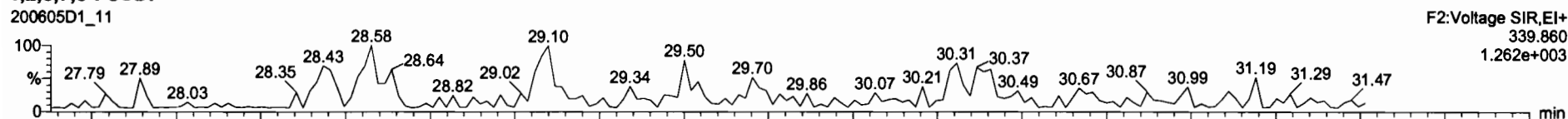


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

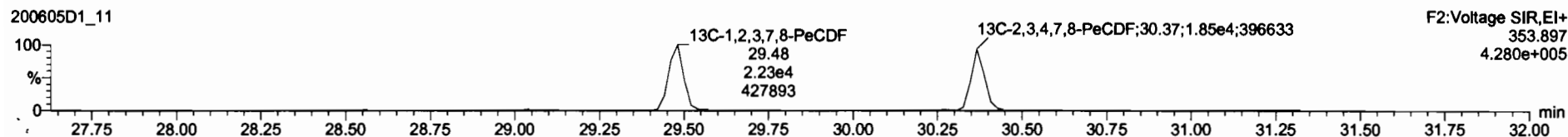
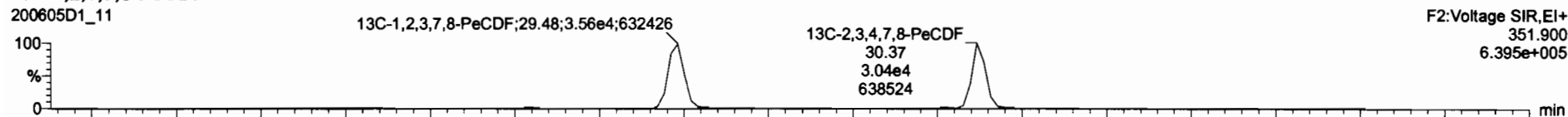
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Printed: Tuesday, June 09, 2020 13:55:49 Pacific Daylight Time

Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428

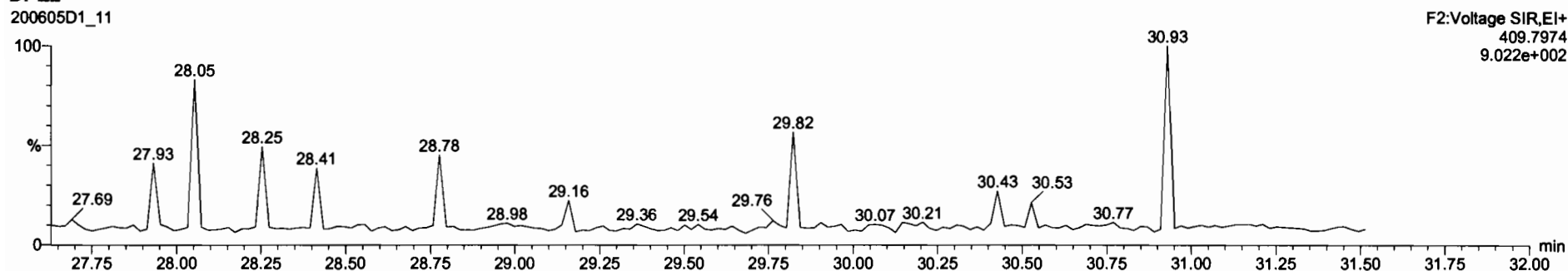
1,2,3,7,8-PeCDF



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



DPE2

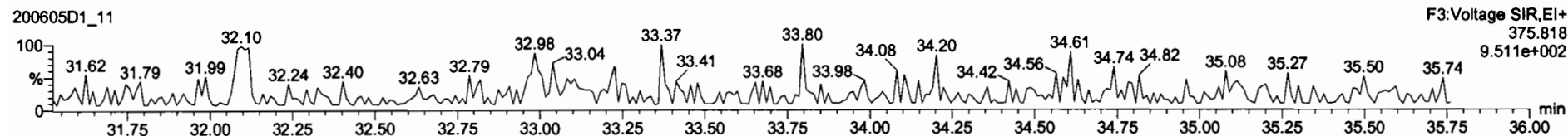
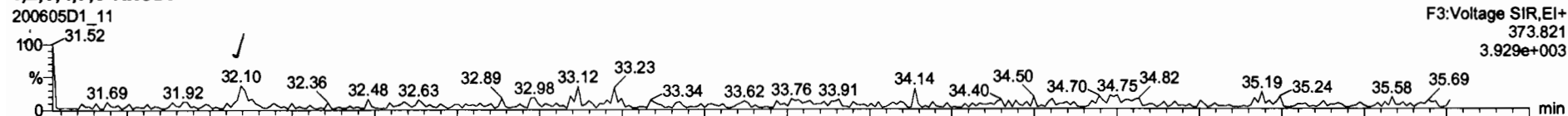


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

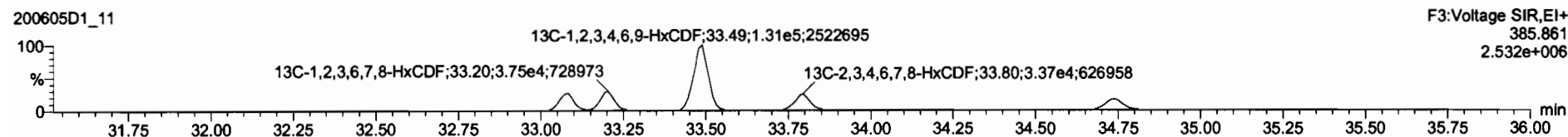
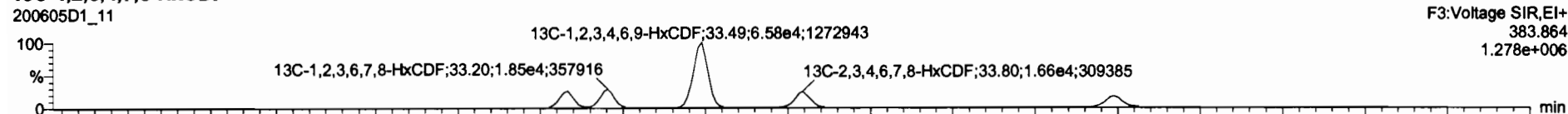
Last Altered: Monday, June 08, 2020 09:54:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:55:49 Pacific Daylight Time

Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428

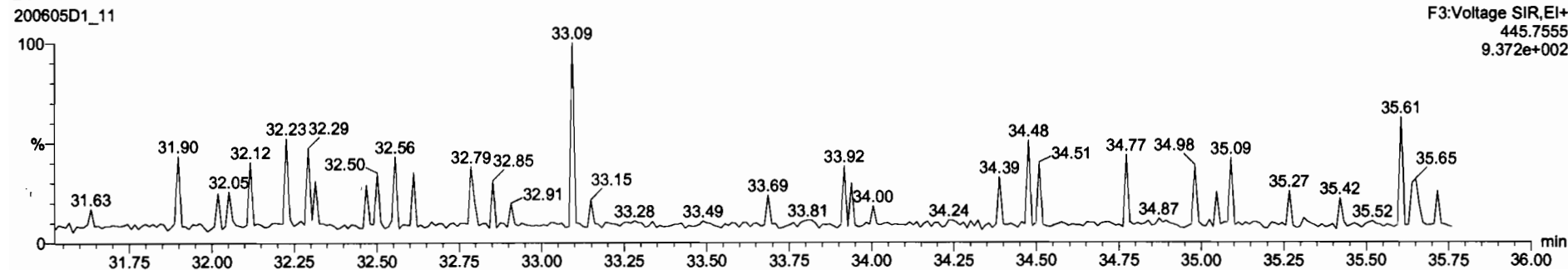
1,2,3,4,7,8-HxCDF

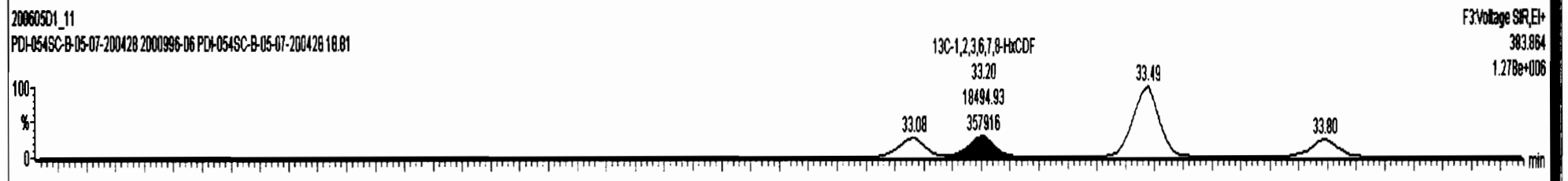
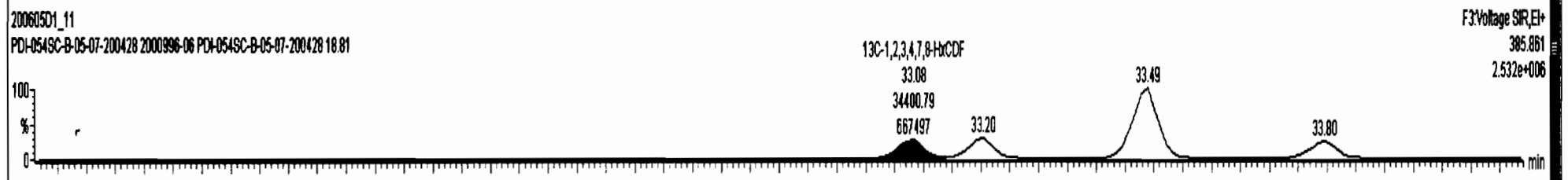
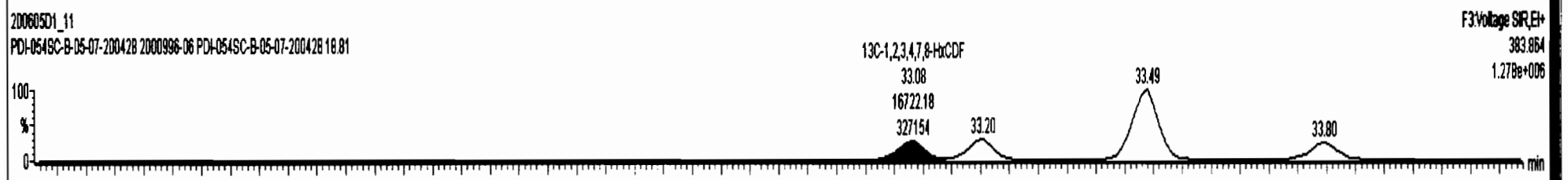
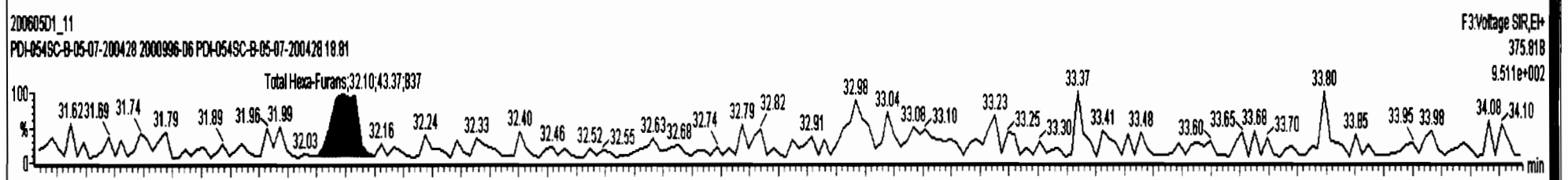
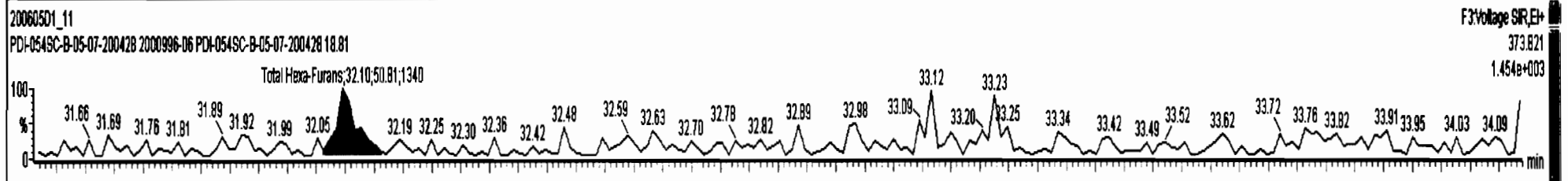


13C-1,2,3,4,7,8-HxCDF



DPE3



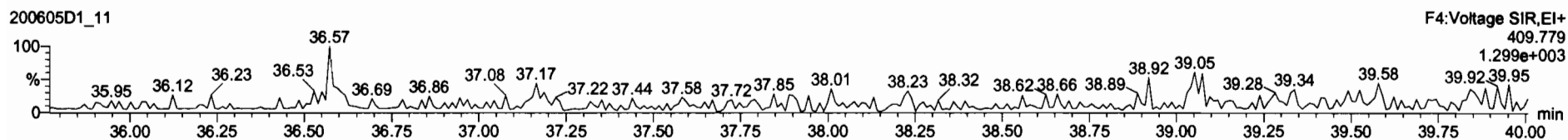
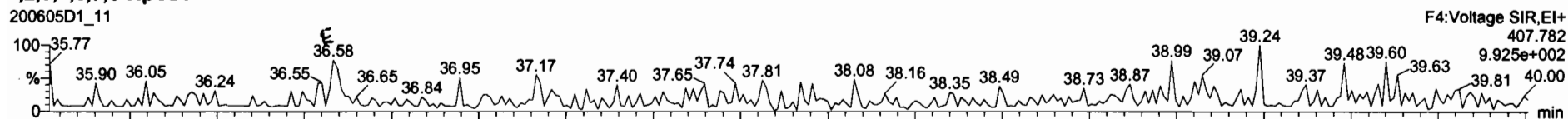


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

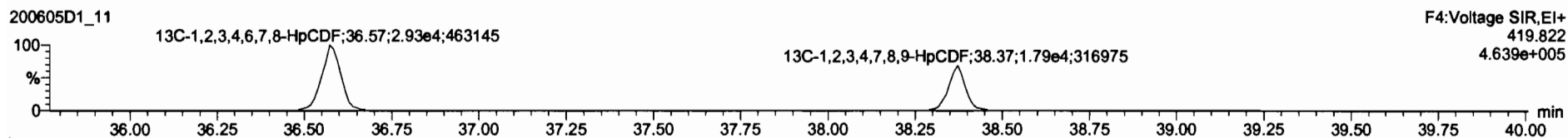
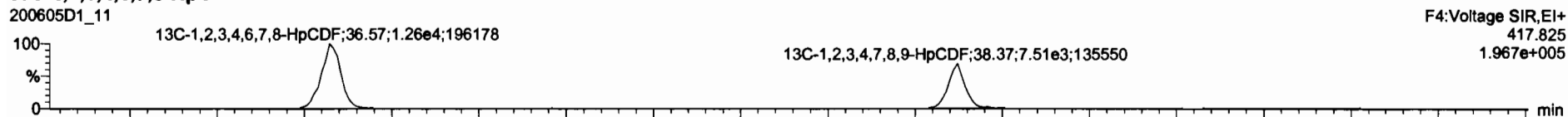
Last Altered: Monday, June 08, 2020 09:54:53 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:55:49 Pacific Daylight Time

Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428

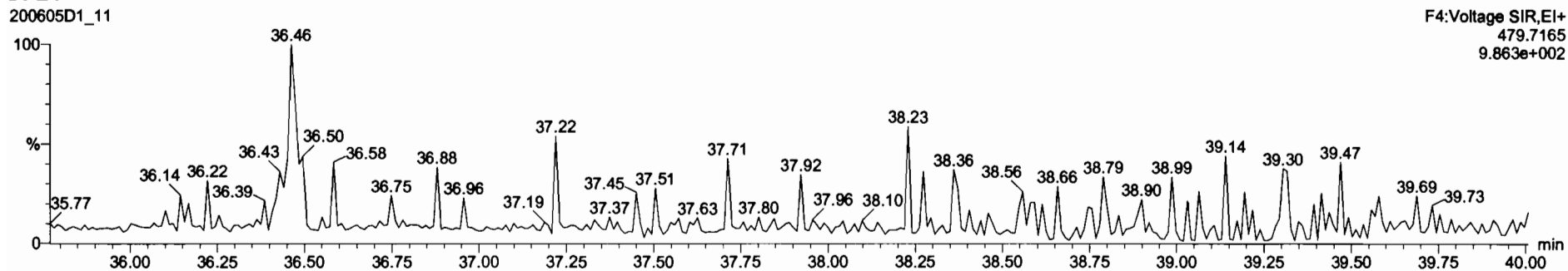
1,2,3,4,6,7,8-HpCDF

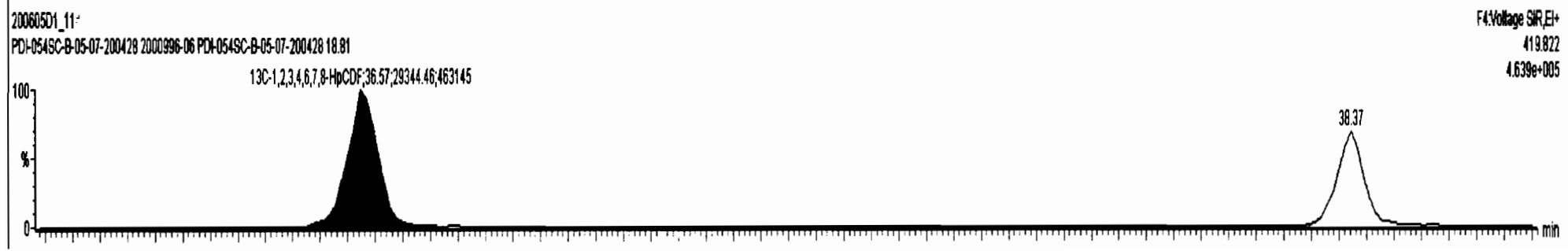
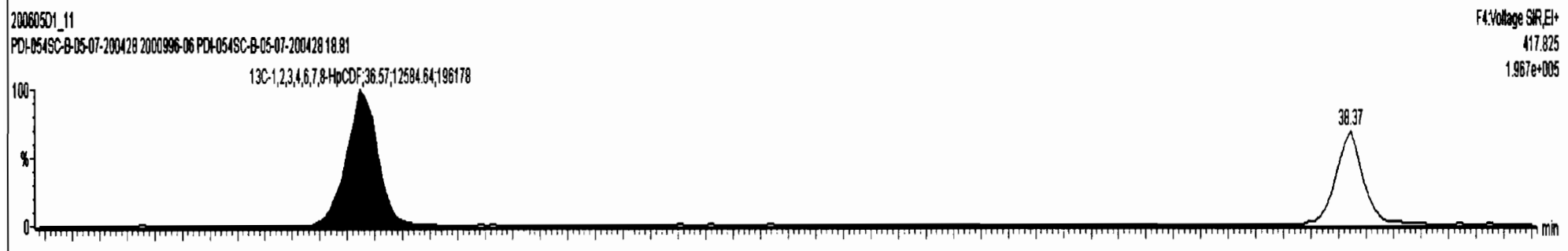
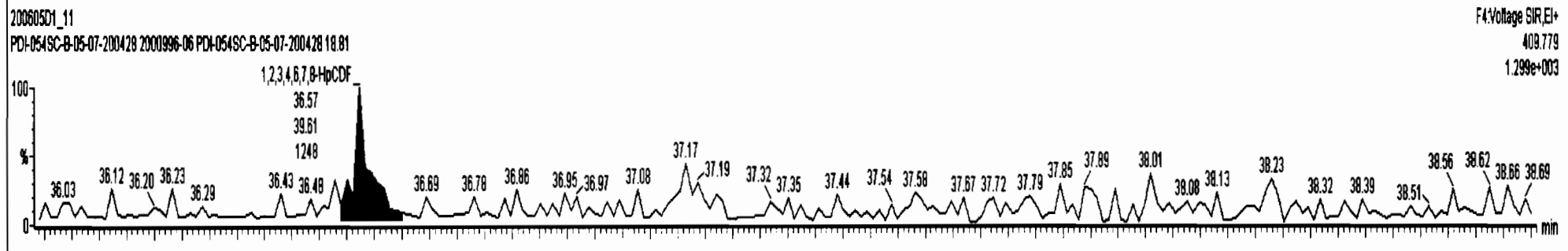
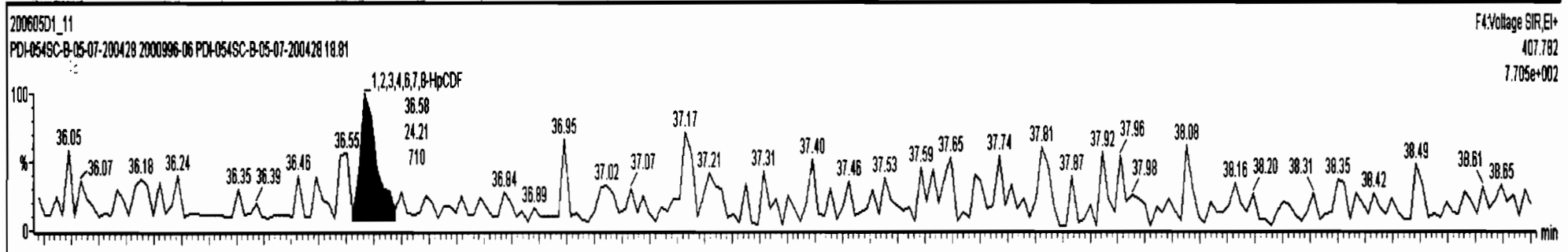


13C-1,2,3,4,6,7,8-HpCDF



DPE4

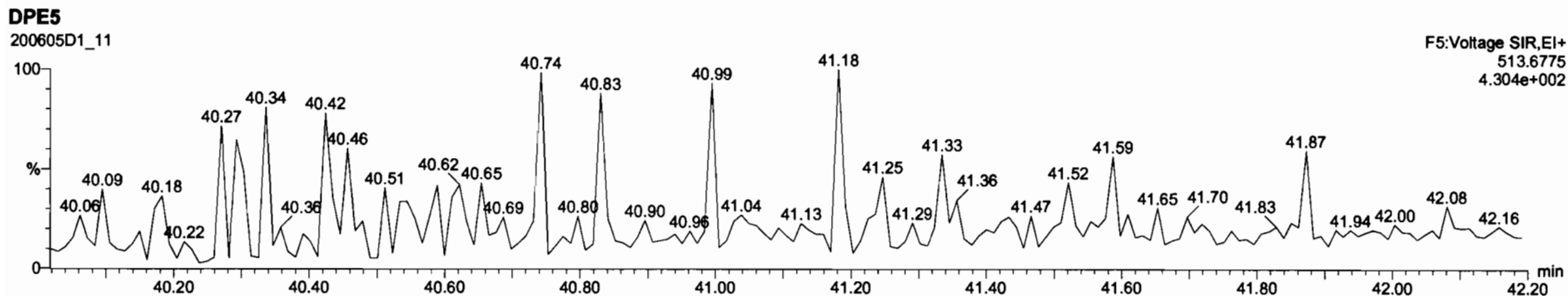
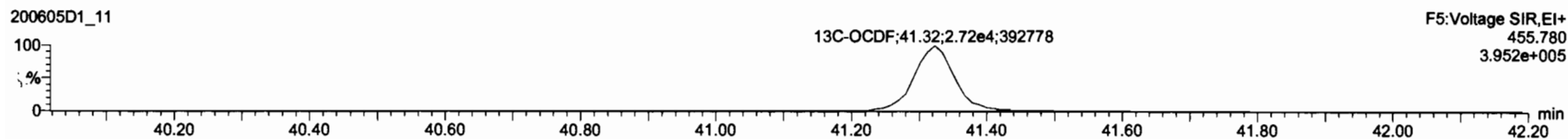
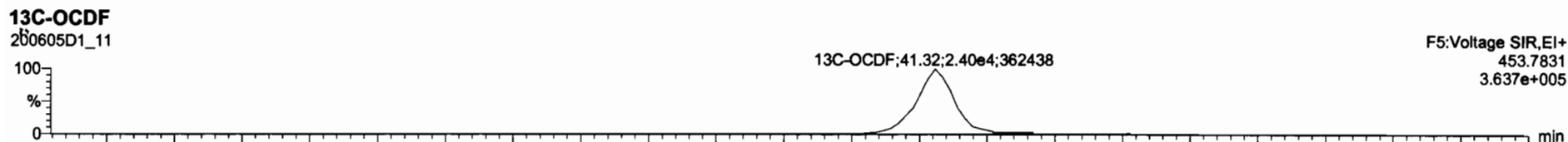
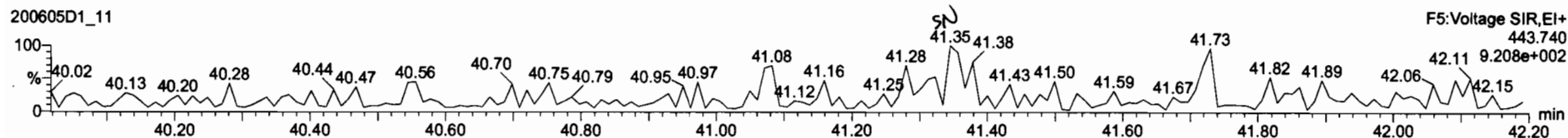
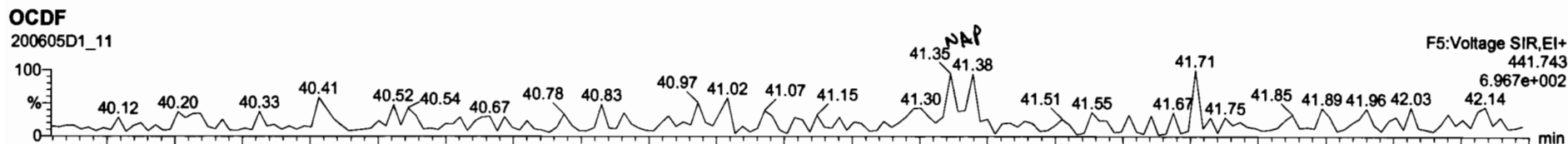




Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

Last Altered: Monday, June 08, 2020 09:54:53 Pacific Daylight Time
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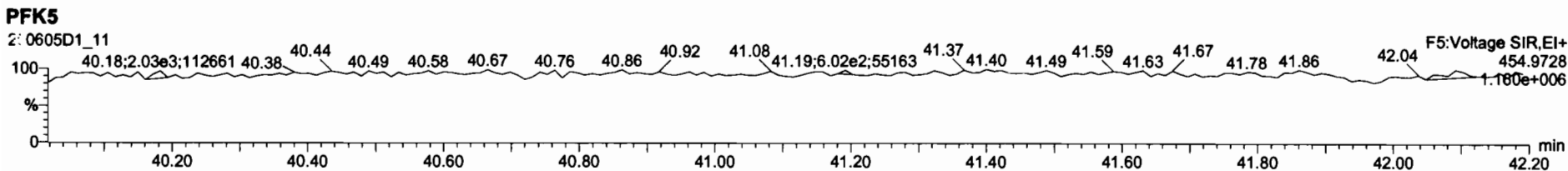
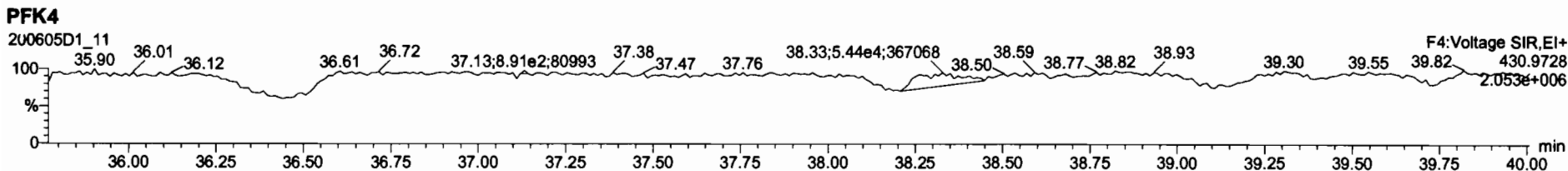
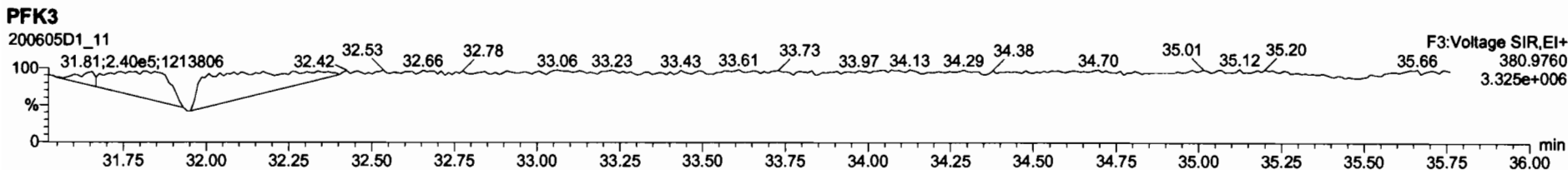
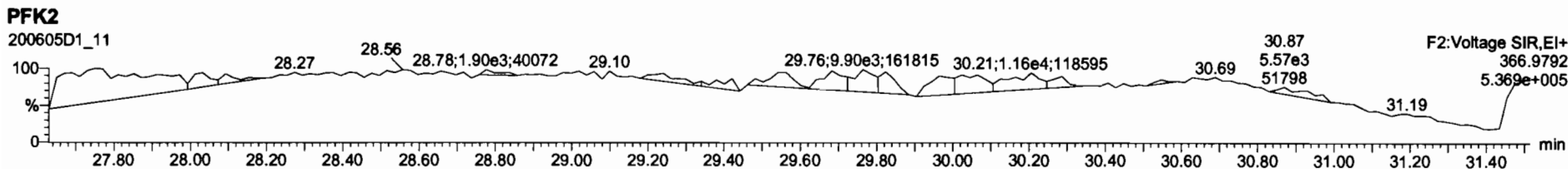
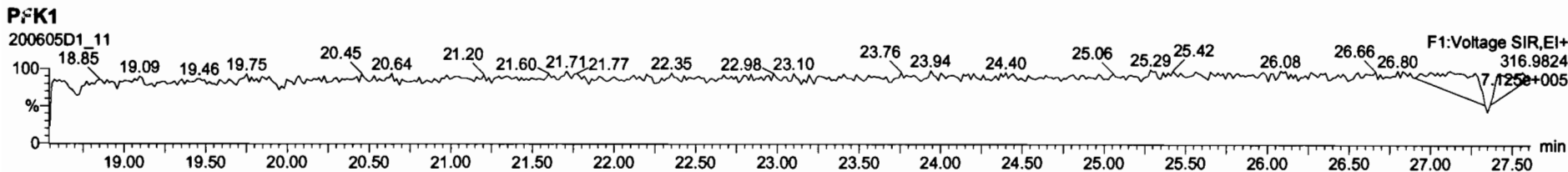
Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_11.qld

Last Altered: Monday, June 08, 2020 09:54:53 Pacific Daylight Time
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Name: 200605D1_11, Date: 05-Jun-2020, Time: 19:52:53, ID: 2000996-06 PDI-054SC-B-05-07-200428 18.81, Description: PDI-054SC-B-05-07-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_12.qld

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DB 6/8/20 CT 07/08/2020

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

Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428

Peak	Ret	RA	Y	RRF	WV	Area	Height	Area	Height	Area	Height	Area	Height	
1	2,3,7,8-TCDD		NO	0.987	10.000	26.127	1.001						0.241	
2	1,2,3,7,8-PeCDD		NO	0.982	10.000	30.670	1.001						0.287	
3	1,2,3,4,7,8-HxCDD		NO	1.17	10.000	33.960	1.000						0.419	
4	1,2,3,6,7,8-HxCDD		NO	1.04	10.000	34.060	1.000						0.415	
5	1,2,3,7,8,9-HxCDD		NO	1.00	10.000	34.379	1.001						0.454	
6	1,2,3,4,6,7,8-HpCDD	6.28e2	0.98	NO	0.992	10.000	37.834	37.83	1.000	1.000	1.6739		0.212	1.67
7	OCDD	4.05e3	0.87	NO	1.04	10.000	41.082	41.10	1.000	1.001	13.323		0.389	13.3
8	2,3,7,8-TCDF		NO	0.882	10.000	25.326	1.001						0.270	
9	1,2,3,7,8-PeCDF		NO	1.05	10.000	29.482	1.001						0.174	
10	2,3,4,7,8-PeCDF		NO	1.06	10.000	30.397	1.001						0.207	
11	1,2,3,4,7,8-HxCDF		NO	1.08	10.000	33.061	1.000						0.218	
12	1,2,3,6,7,8-HxCDF		NO	1.04	10.000	33.192	1.000						0.214	
13	2,3,4,6,7,8-HxCDF		NO	1.11	10.000	33.808	1.001						0.213	
14	1,2,3,7,8,9-HxCDF		NO	1.06	10.000	34.718	1.000						0.333	
15	1,2,3,4,6,7,8-HpCDF	1.04e2	0.97	NO	1.13	10.000	36.599	36.58	1.001	1.001	0.18375		0.0898	0.184
16	1,2,3,4,7,8,9-HpCDF		NO	1.33	10.000	38.350	1.000						0.205	
17	OCDF		NO	0.933	10.000	41.302	1.000						0.265	
18	13C-2,3,7,8-TCDD	1.01e5	0.79	NO	1.21	10.000	26.195	26.10	1.026	1.022	99.330	49.7	0.307	
19	13C-1,2,3,7,8-PeCDD	8.84e4	0.61	NO	0.996	10.000	30.688	30.65	1.202	1.200	104.96	52.5	0.272	
20	13C-1,2,3,4,7,8-HxCDD	8.11e4	1.33	NO	0.679	10.000	33.936	33.95	1.014	1.014	126.36	63.2	0.523	
21	13C-1,2,3,6,7,8-HxCDD	9.47e4	1.31	NO	0.850	10.000	34.046	34.06	1.017	1.018	117.85	58.9	0.417	
22	13C-1,2,3,7,8,9-HxCDD	9.73e4	1.33	NO	0.798	10.000	34.317	34.35	1.025	1.026	128.92	64.5	0.444	
23	13C-1,2,3,4,6,7,8-HpCDD	7.56e4	1.03	NO	0.697	10.000	37.784	37.82	1.129	1.130	114.77	57.4	0.515	
24	13C-OCDD	1.17e5	0.87	NO	0.579	10.000	40.810	41.08	1.219	1.228	214.50	53.6	0.389	
25	13C-2,3,7,8-TCDF	1.49e5	0.76	NO	1.13	10.000	25.276	25.30	0.990	0.991	92.273	46.1	0.418	
26	13C-1,2,3,7,8-PeCDF	1.47e5	1.65	NO	0.996	10.000	29.506	29.46	1.156	1.154	102.91	51.5	0.480	
27	13C-2,3,4,7,8-PeCDF	1.34e5	1.63	NO	0.969	10.000	30.407	30.37	1.191	1.189	96.607	48.3	0.493	
28	13C-1,2,3,4,7,8-HxCDF	1.20e5	0.50	NO	1.06	10.000	33.065	33.06	0.988	0.988	120.13	60.1	0.533	
29	13C-1,2,3,6,7,8-HxCDF	1.29e5	0.51	NO	1.18	10.000	33.199	33.18	0.992	0.991	116.16	58.1	0.480	
30	13C-2,3,4,6,7,8-HxCDF	1.25e5	0.50	NO	1.06	10.000	33.772	33.77	1.009	1.009	124.68	62.3	0.534	
31	13C-1,2,3,7,8,9-HxCDF	1.03e5	0.51	NO	0.879	10.000	34.672	34.72	1.036	1.037	123.36	61.7	0.641	

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_12.qld

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Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428

	Comp	RA	My	RRF	Wvd									
32	13C-1,2,3,4,6,7,8-HpCDF	1.00e5	0.41	NO	0.893	10.000	36.379	36.56	1.087	1.092	118.91	59.5	0.445	
33	13C-1,2,3,4,7,8,9-HpCDF	6.75e4	0.40	NO	0.613	10.000	38.387	38.35	1.147	1.146	116.44	58.2	0.647	
34	13C-OCDF	1.50e5	0.85	NO	0.741	10.000	40.964	41.30	1.224	1.234	213.49	53.4	0.422	
35	37Cl-2,3,7,8-TCDD	3.88e4			1.18	10.000	26.192	26.11	1.026	1.023	38.862	48.6	0.0928	
36	13C-1,2,3,4-TCDD	1.69e5	0.82	NO	1.00	10.000	25.480	25.53	1.000	1.000	200.00	100	0.371	
37	13C-1,2,3,4-TCDF	2.87e5	0.77	NO	1.00	10.000	24.020	24.06	1.000	1.000	200.00	100	0.471	
38	13C-1,2,3,4,6,9-HxCDF	1.89e5	0.51	NO	1.00	10.000	33.530	33.47	1.000	1.000	200.00	100	0.564	
39	Total Tetra-Dioxins				0.987	10.000	24.620		0.000		0.00000		0.137	0.506
40	Total Penta-Dioxins				0.982	10.000	29.960		0.000				0.150	
41	Total Hexa-Dioxins				1.04	10.000	33.635		0.000		1.6269		0.442	1.63
42	Total Hepta-Dioxins				0.992	10.000	37.640		0.000		4.3279		0.212	4.33
43	Total Tetra-Furans				0.882	10.000	23.610		0.000		0.00000		0.270	0.595
44	1st Func. Penta-Furans				1.05	10.000	27.090		0.000				0.0290	
45	Total Penta-Furans				1.05	10.000	29.275		0.000				0.0891	
46	Total Hexa-Furans				1.11	10.000	33.555		0.000				0.125	
47	Total Hepta-Furans				1.13	10.000	37.835		0.000		0.18375		0.102	0.184

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_12.qld

Last Altered: Monday, June 08, 2020 15:42:33 Pacific Daylight Time

Printed: Monday, June 08, 2020 15:43:25 Pacific Daylight Time

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

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

Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Int	Area	Area	Area	Area
Total Tetra-Dioxins	22.66	1.756e3	1.205e3	7.630e1	6.668e1	1.14	YES	0.000e0	0.00000	0.23587	0.137
Total Tetra-Dioxins	24.20	1.397e3	1.148e3	7.527e1	7.651e1	0.98	YES	0.000e0	0.00000	0.27062	0.137

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Int	Area	Area	Area	Area
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Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Int	Area	Area	Area	Area
Total Hexa-Dioxins	32.44	5.344e3	5.080e3	2.599e2	2.339e2	1.11	NO	4.938e2	1.0471	1.0471	0.442
Total Hexa-Dioxins	33.28	2.678e3	2.184e3	1.470e2	1.264e2	1.16	NO	2.734e2	0.57983	0.57983	0.442

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Int	Area	Area	Area	Area
Total Hepta-Dioxins	36.98	8.456e3	9.069e3	4.931e2	5.019e2	0.98	NO	9.950e2	2.6540	2.6540	0.212
1,2,3,4,6,7,8-HpCDD	37.83	5.850e3	4.943e3	3.113e2	3.162e2	0.98	NO	6.275e2	1.6739	1.6739	0.212

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Int	Area	Area	Area	Area
Total Tetra-Furans	21.74	2.376e3	2.322e3	1.829e2	2.083e2	0.88	NO	0.000e0	0.00000	0.59498	0.270

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Int	Area	Area	Area	Area
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9

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_12.qld

Last Altered: Monday, June 08, 2020 15:42:33 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:43:25 Pacific Daylight Time

Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Area	Area %	Area % Error

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Area	Area %	Area % Error

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Area	Area %	Area % Error
1,2,3,4,6,7,8-HpCDF	36.58	1.026e3	1.223e3	5.111e1	5.289e1	0.97	NO	1.040e2	0.18375 0.18375 0.0898

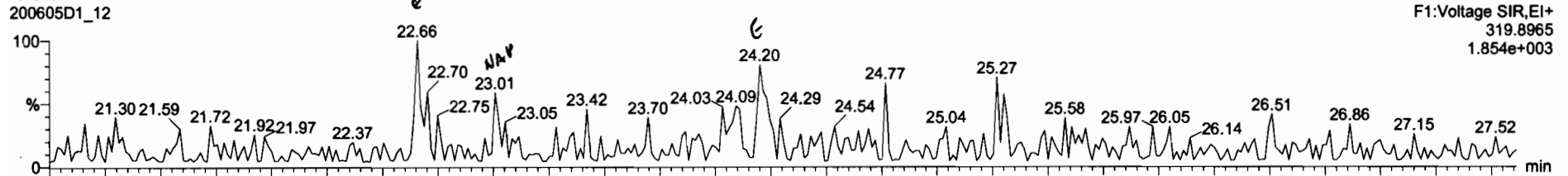
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Last Altered: Monday, June 08, 2020 09:55:51 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:29:53 Pacific Daylight Time

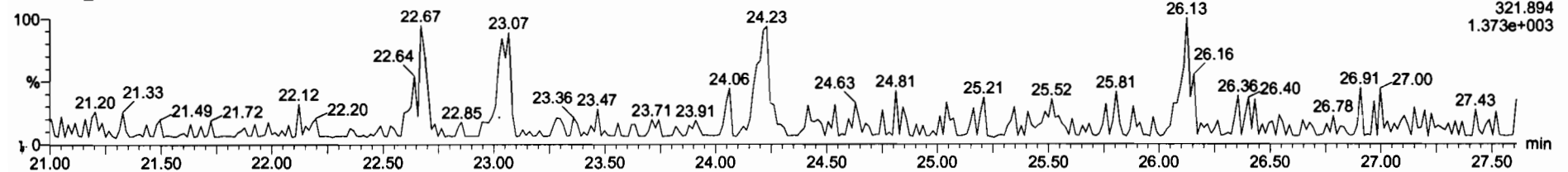
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Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428

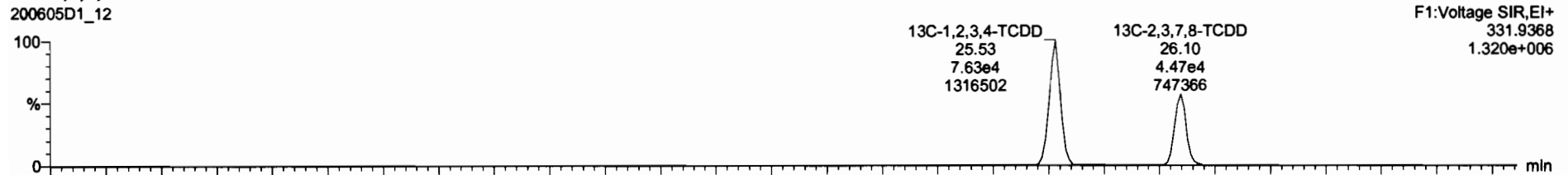
2,3,7,8-TCDD



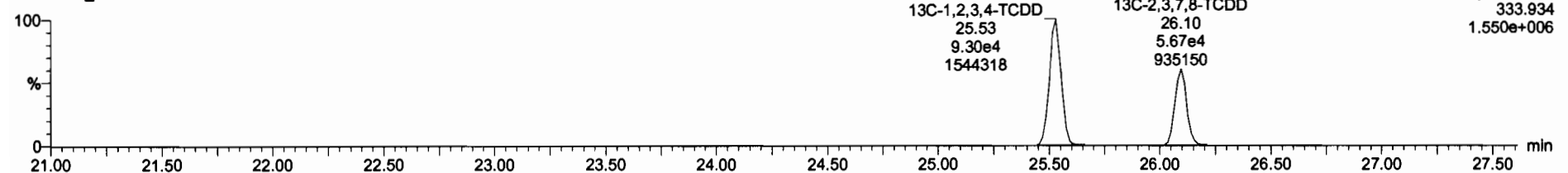
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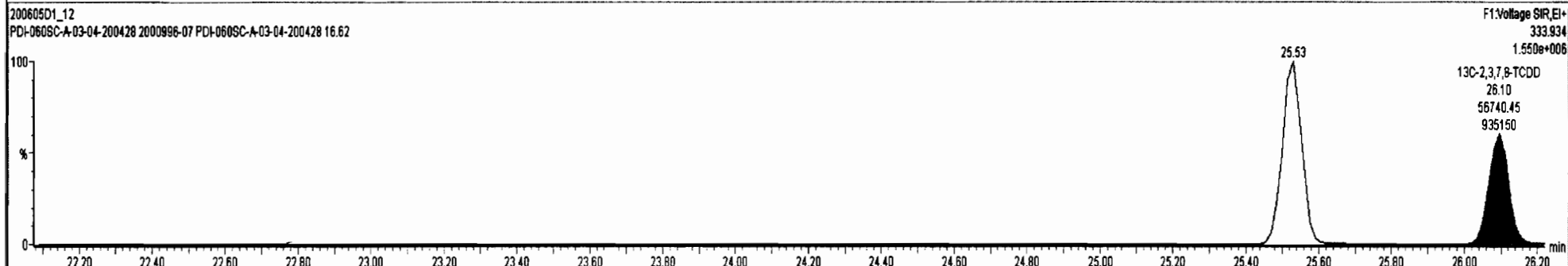
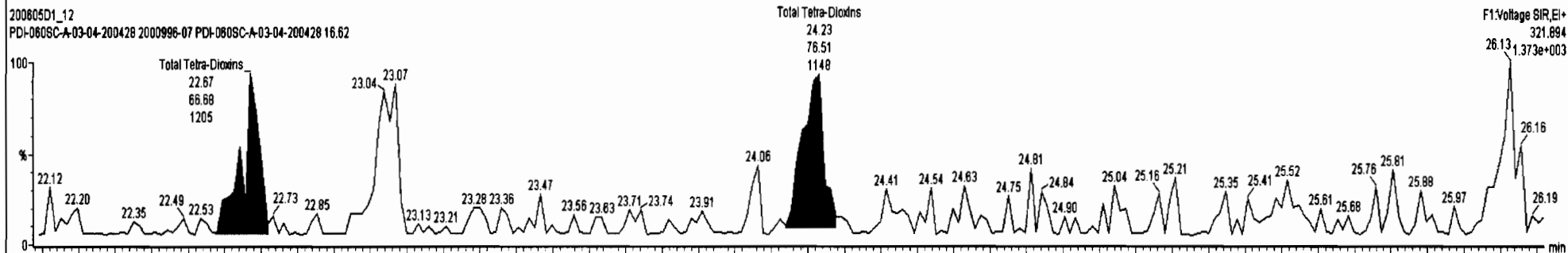
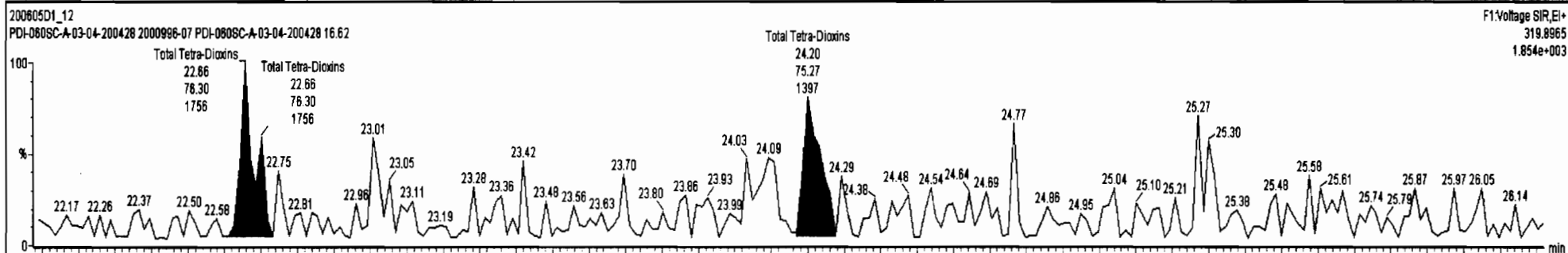
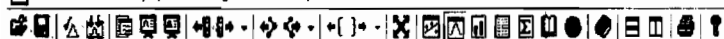


13C-2,3,7,8-TCDD



200605D1_12



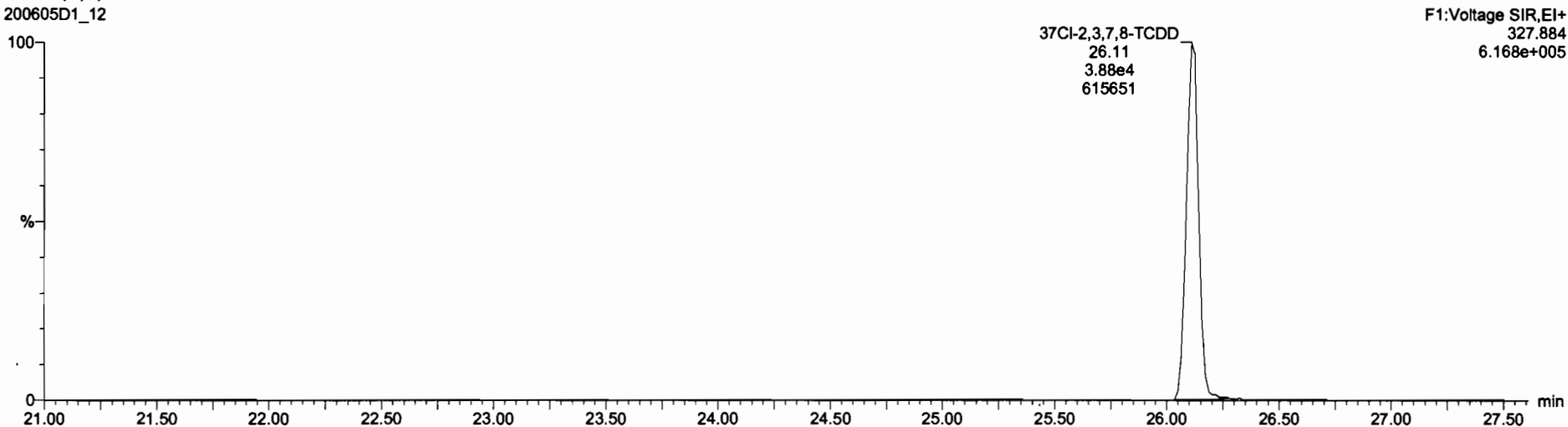


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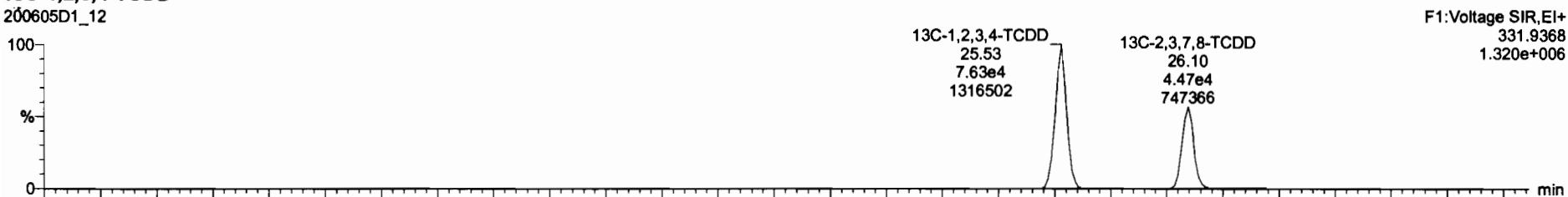
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Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428

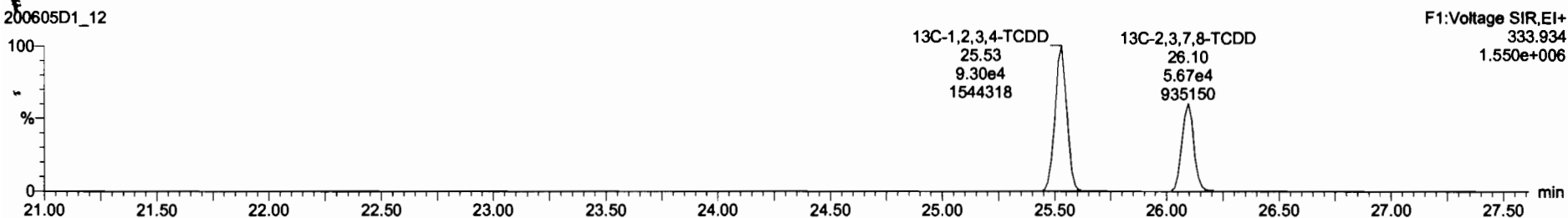
37Cl-2,3,7,8-TCDD
200605D1_12



13C-1,2,3,4-TCDD
200605D1_12



200605D1_12



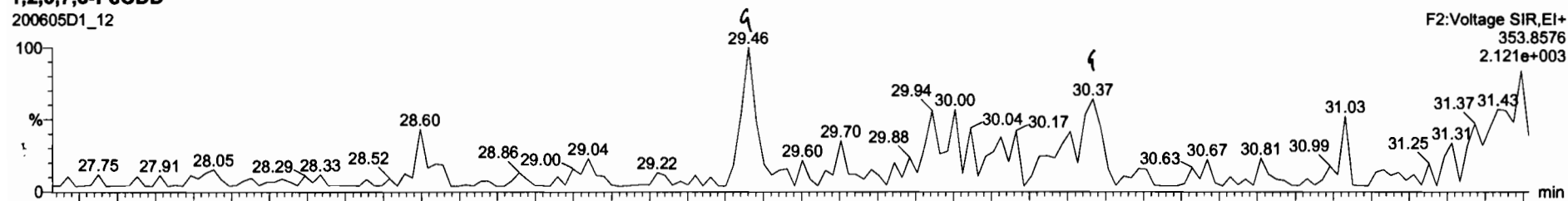
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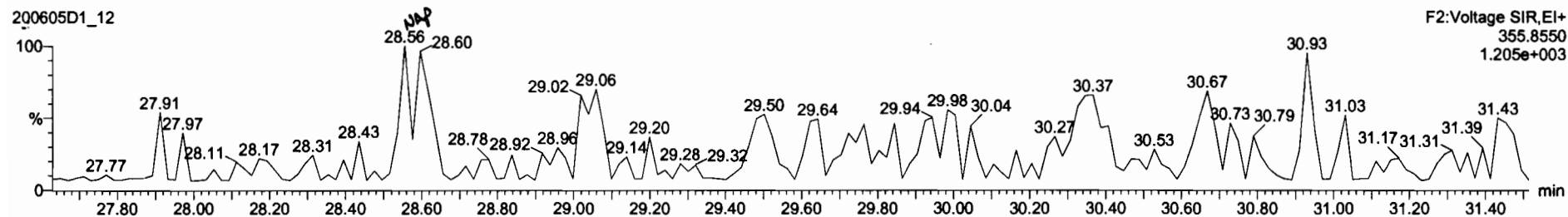
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1,2,3,7,8-PeCDD

200605D1_12

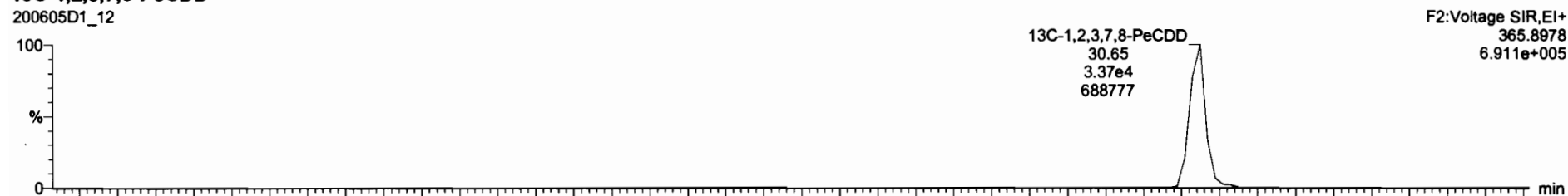


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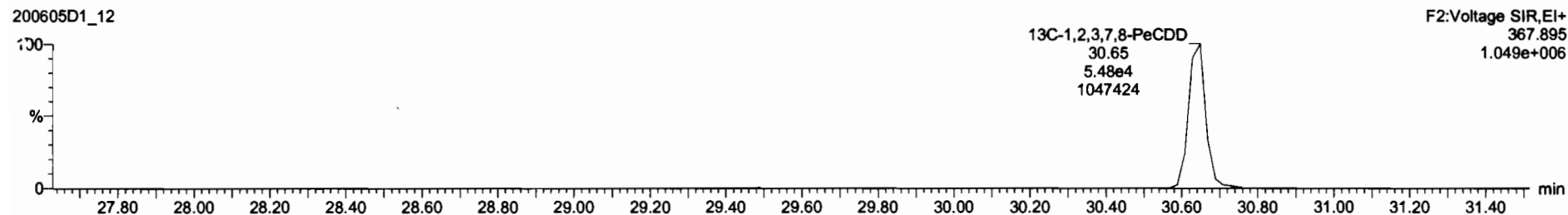


13C-1,2,3,7,8-PeCDD

200605D1_12



200605D1_12



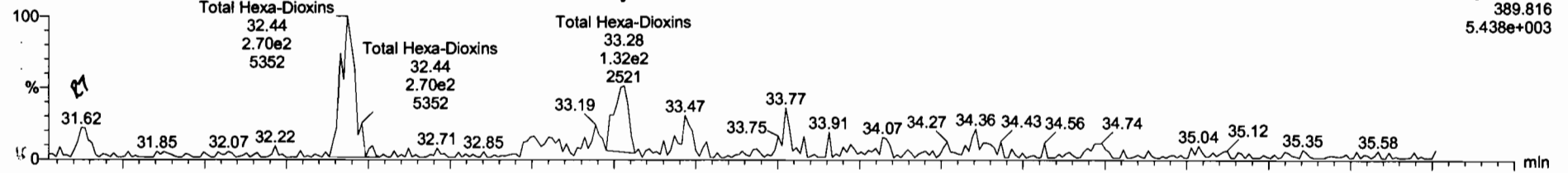
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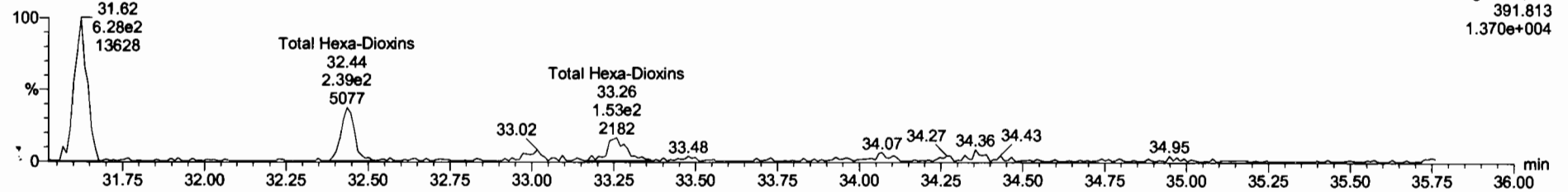
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1,2,3,4,7,8-HxCDD

200605D1_12

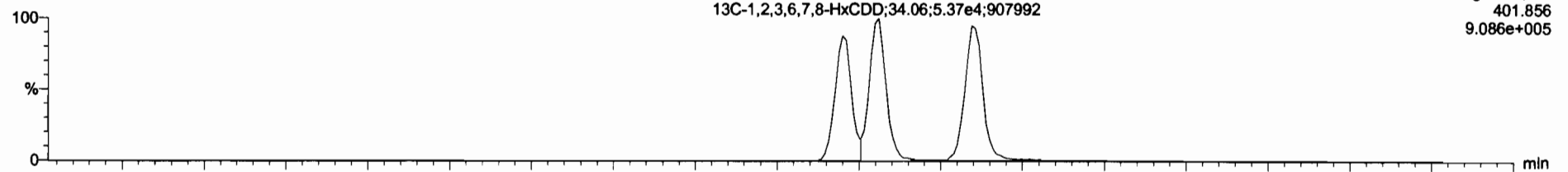


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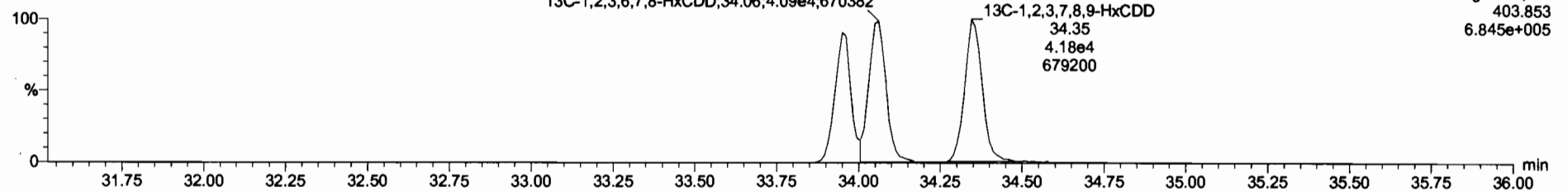


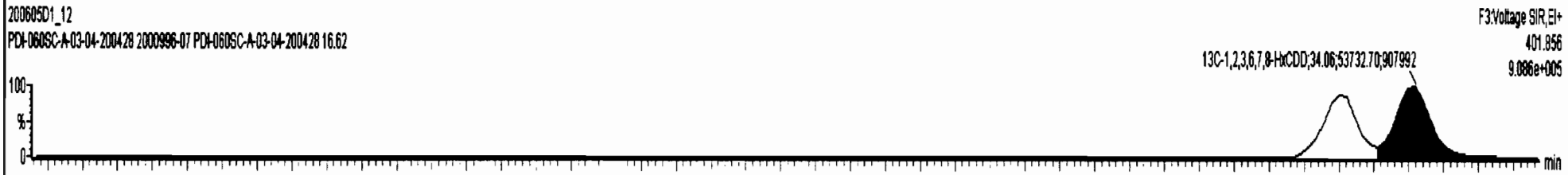
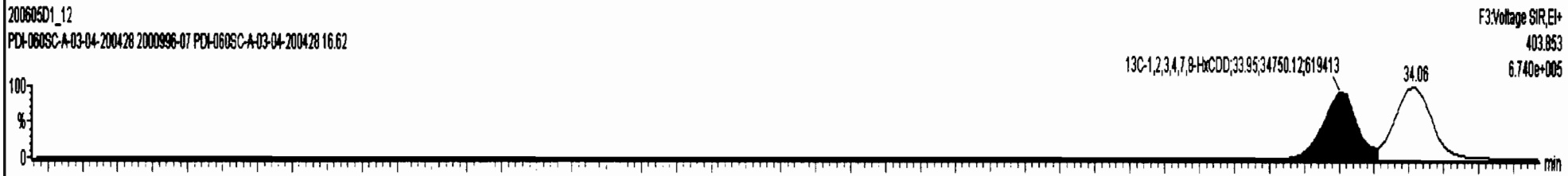
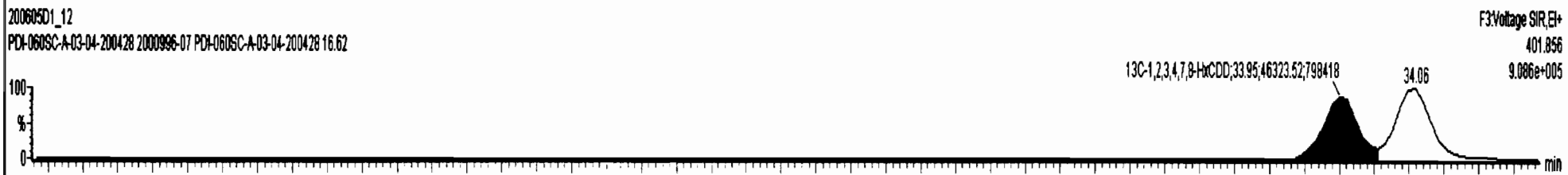
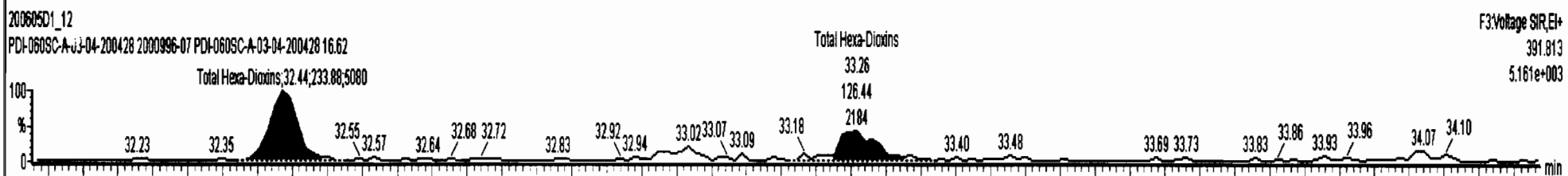
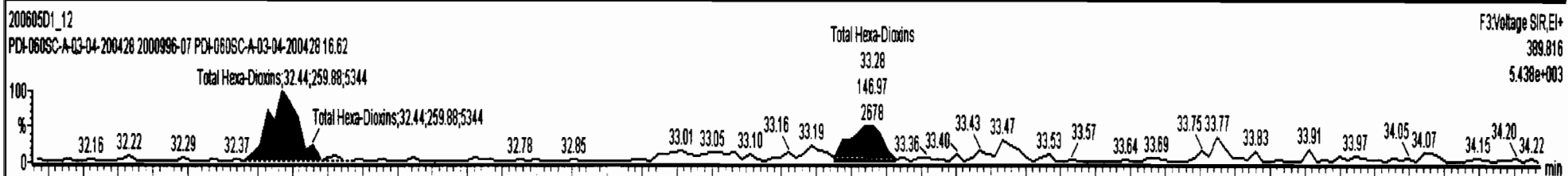
13C-1,2,3,4,7,8-HxCDD

200605D1_12



200605D1_12





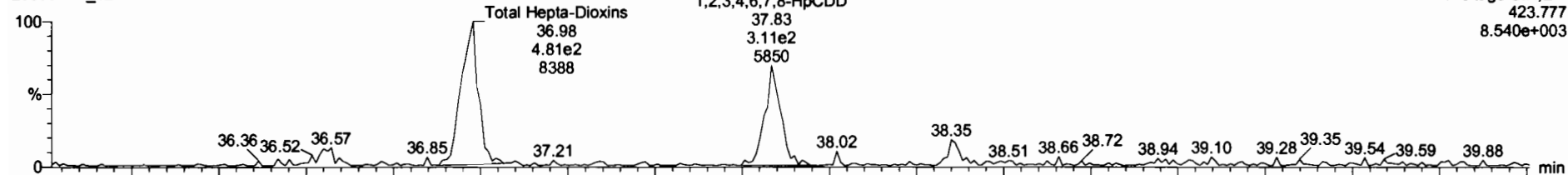
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Printed: Monday, June 08, 2020 15:29:53 Pacific Daylight Time

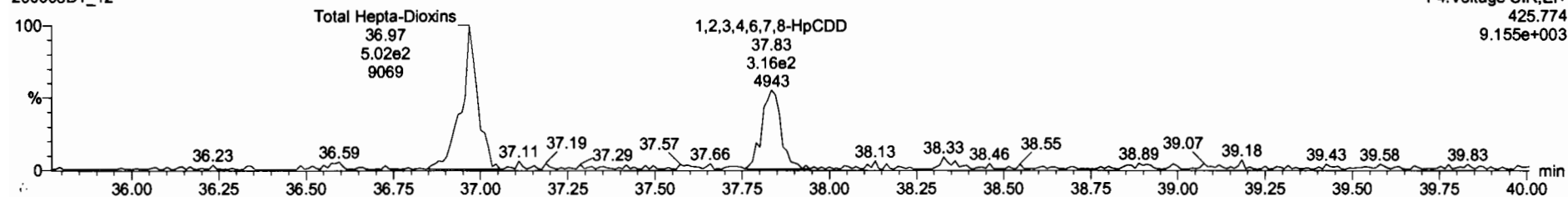
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1,2,3,4,6,7,8-HpCDD

200605D1_12

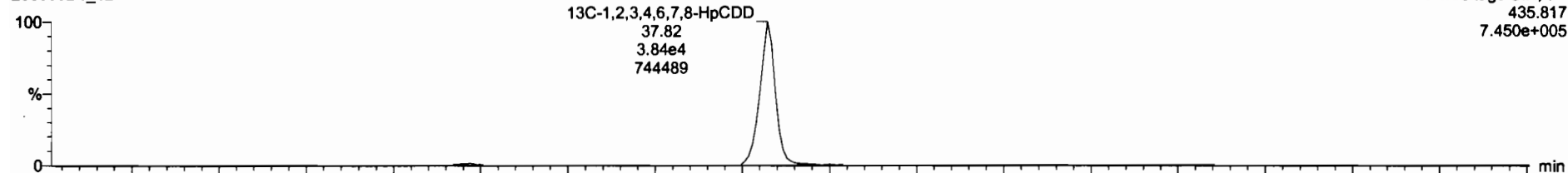


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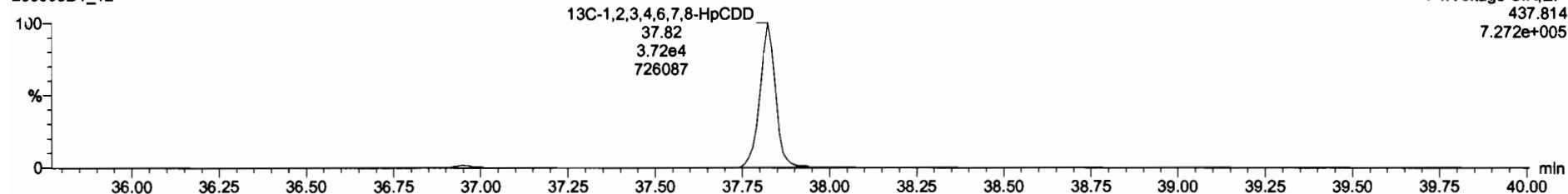


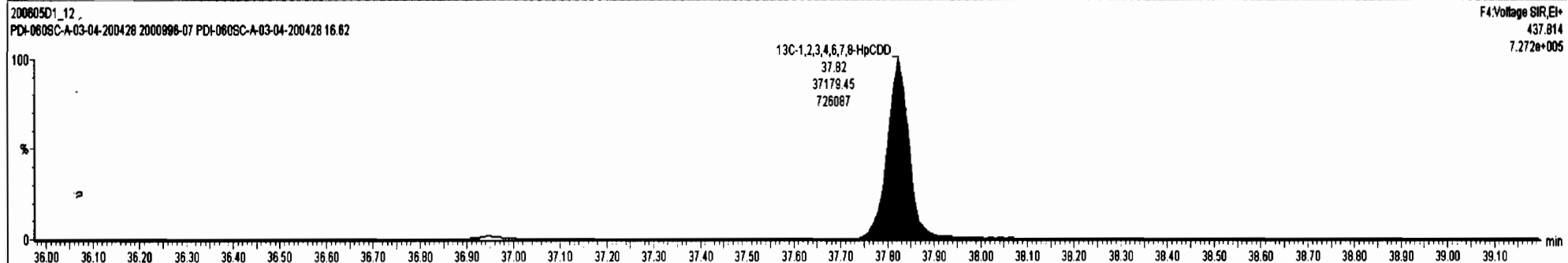
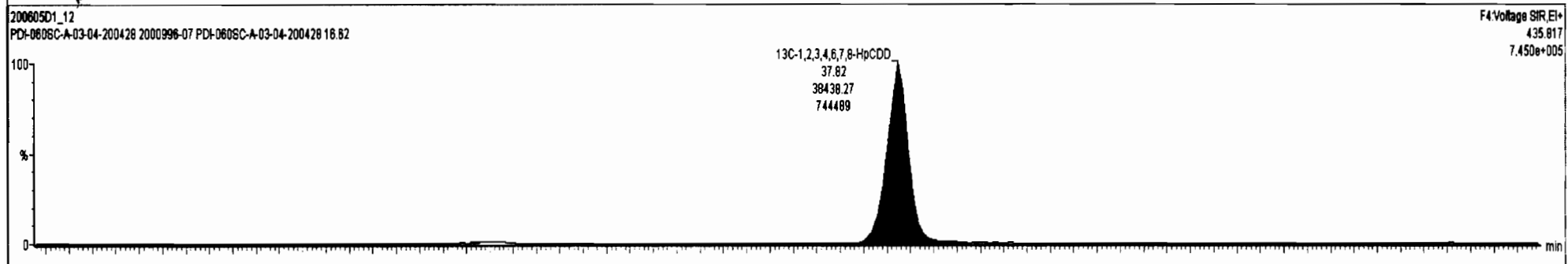
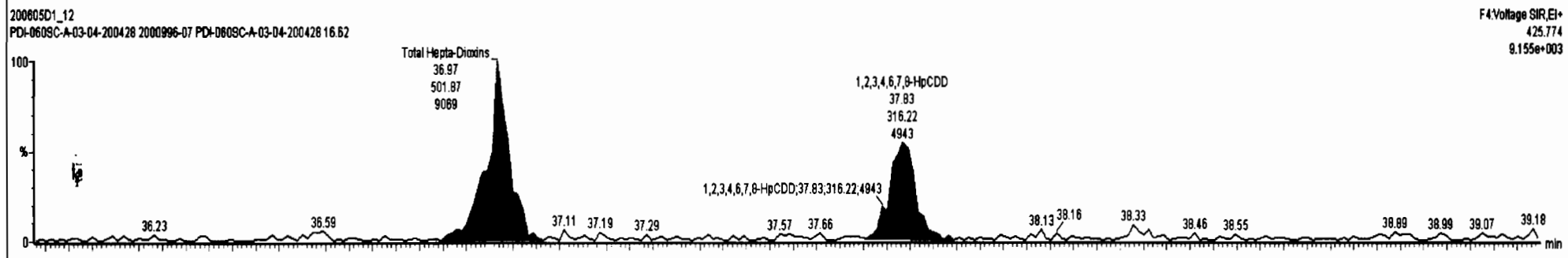
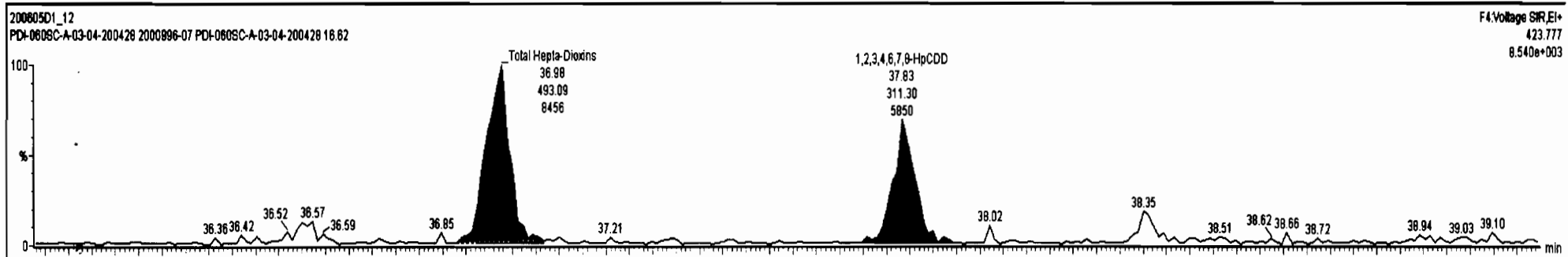
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200605D1_12



200605D1_12

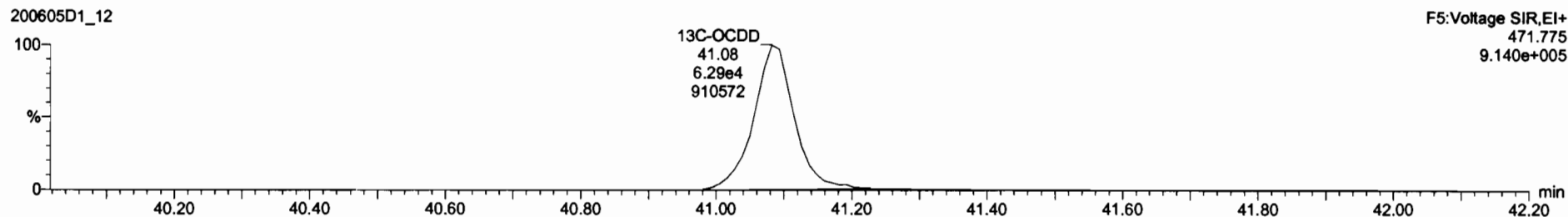
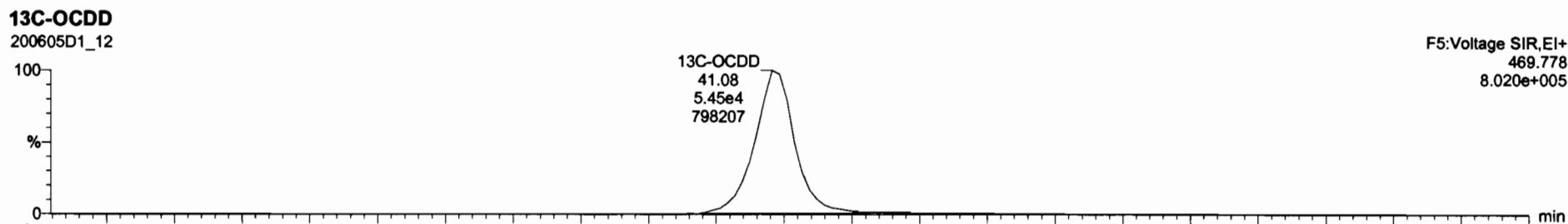
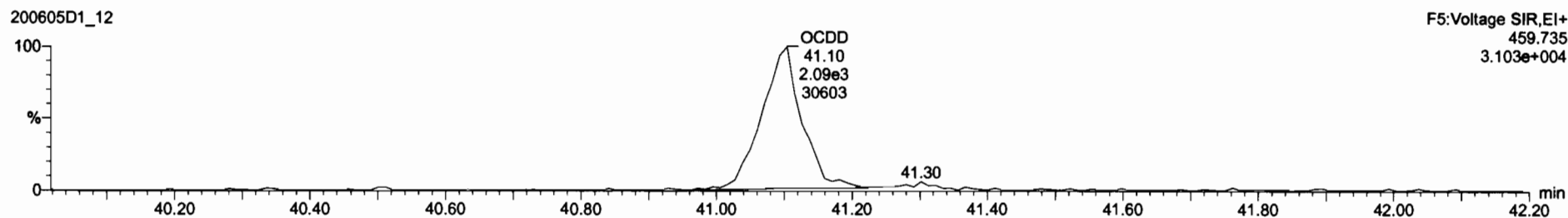
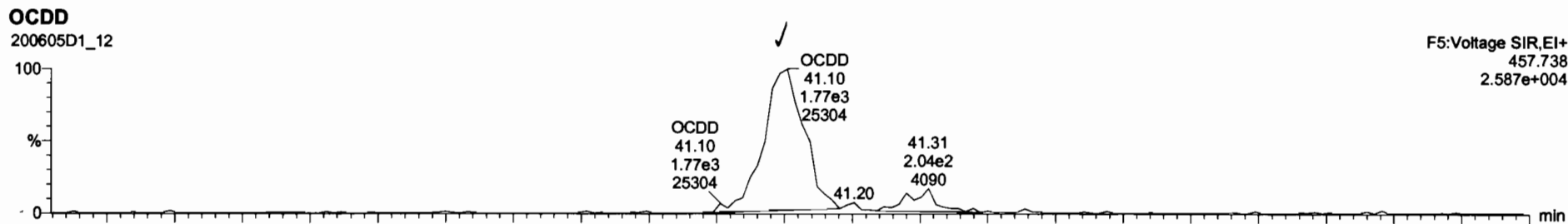


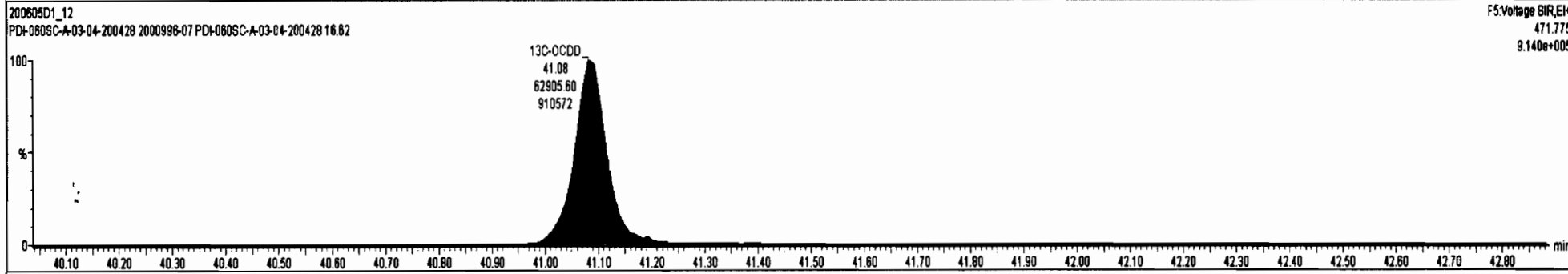
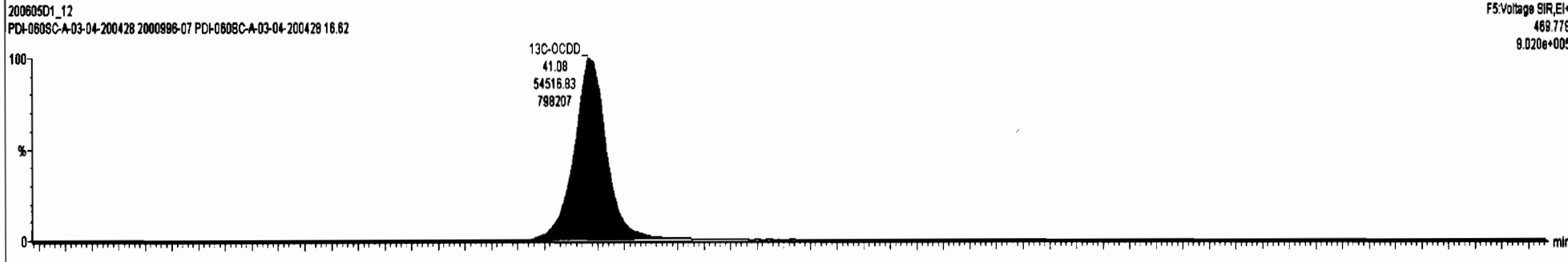
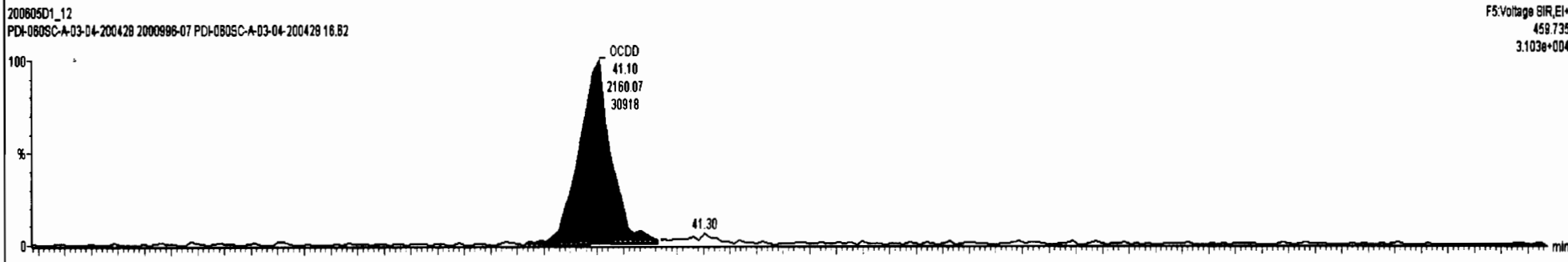
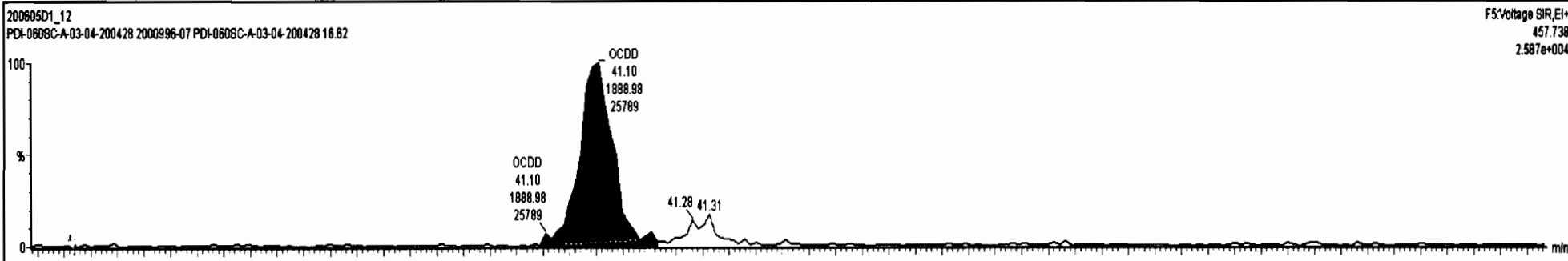


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_12.qld

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Printed: Monday, June 08, 2020 15:29:53 Pacific Daylight Time

Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428



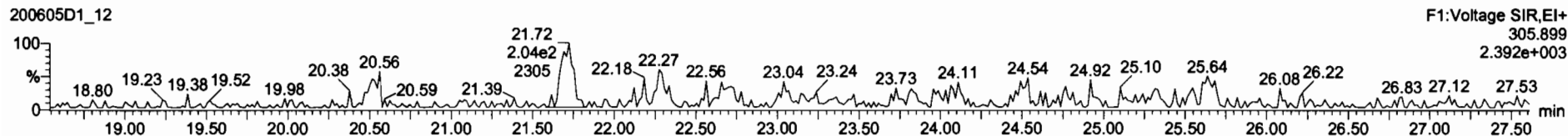
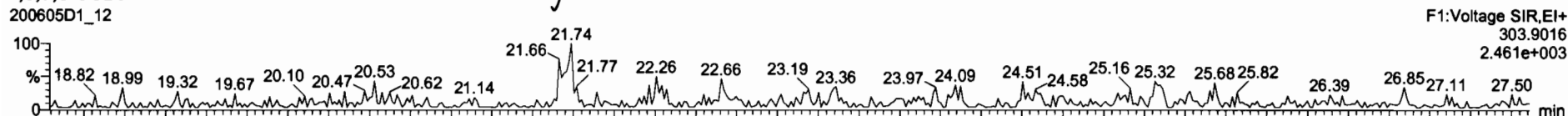


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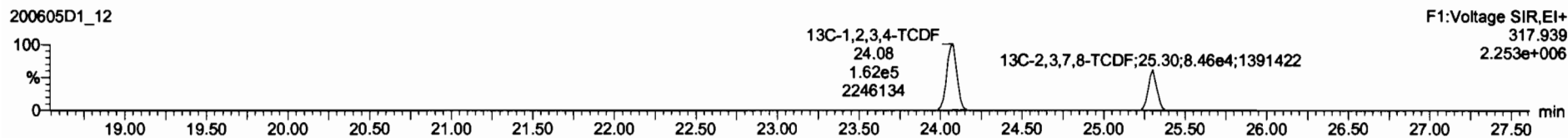
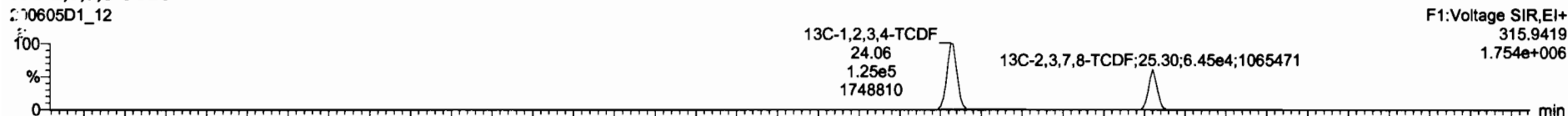
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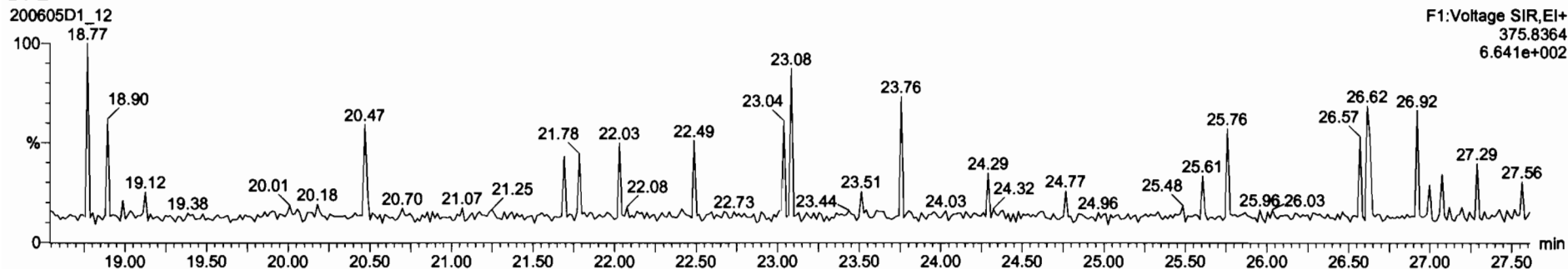
2,3,7,8-TCDF

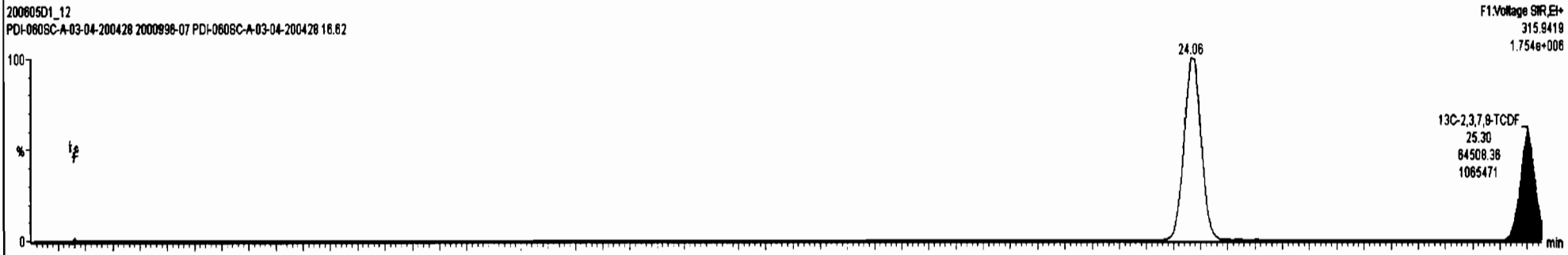
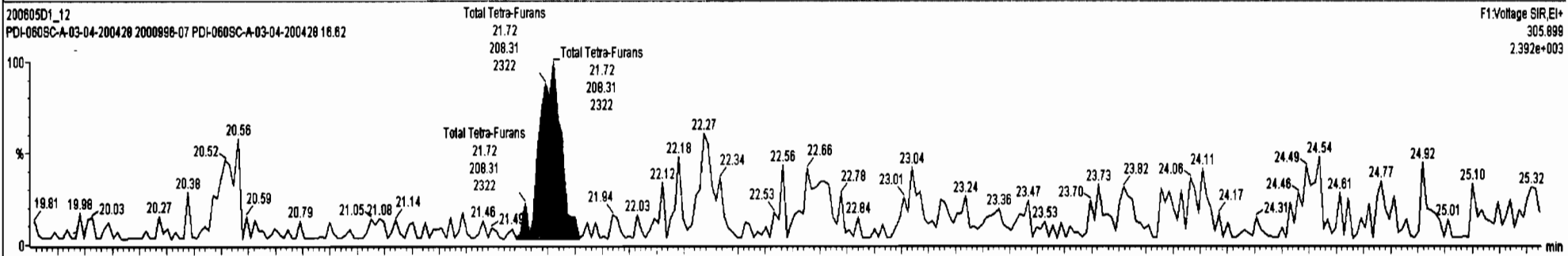
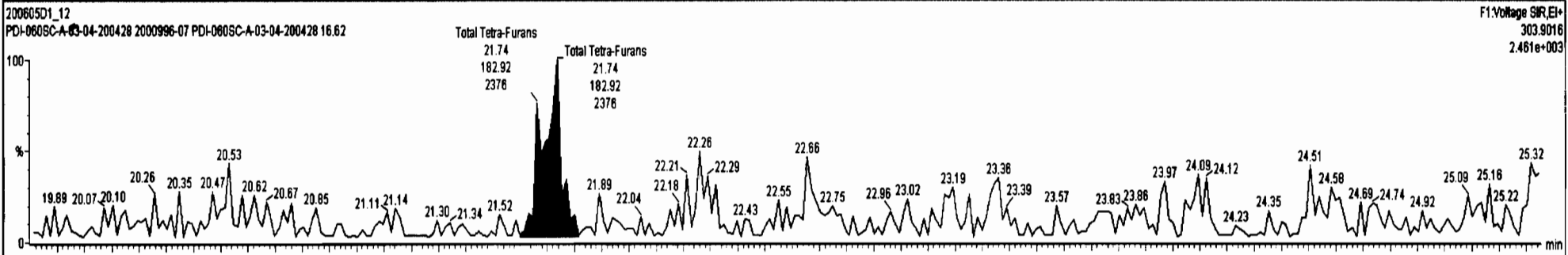


13C-2,3,7,8-TCDF



DPE1





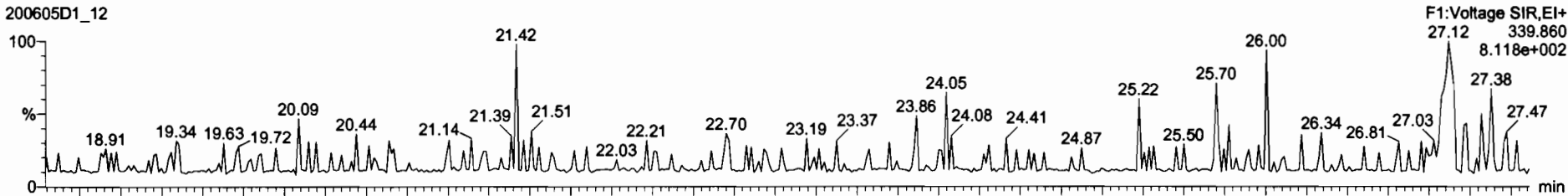
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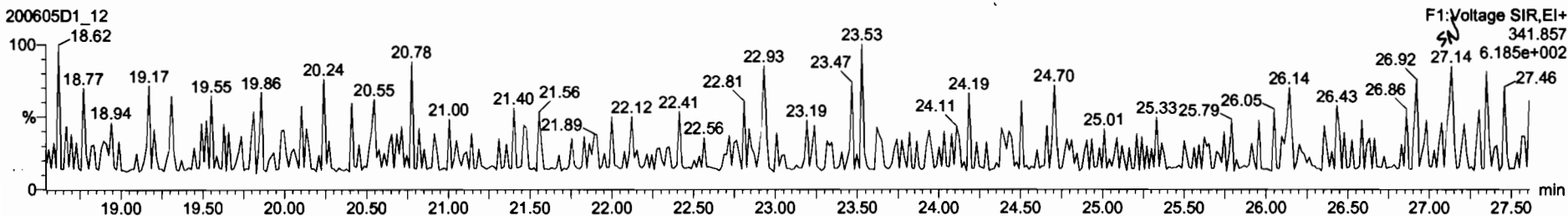
1st Func. Penta-Furans

200605D1_12



F1:Voltage SIR,EI+
27.12 339.860
8.118e+002

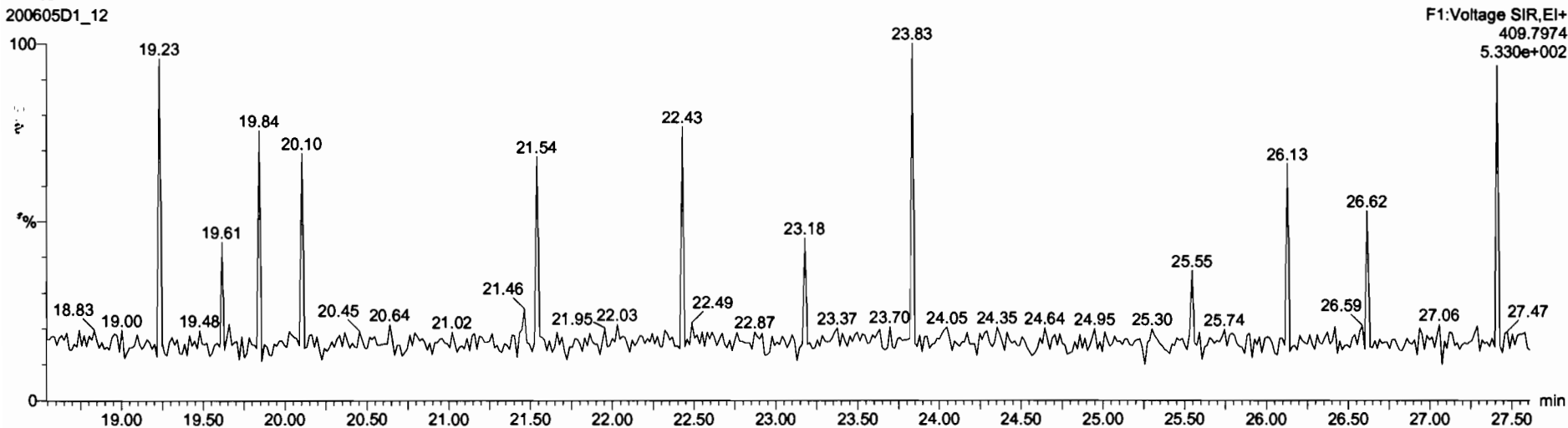
200605D1_12



F1:Voltage SIR,EI+
27.14 341.857
6.185e+002

DPE6

200605D1_12



F1:Voltage SIR,EI+
27.47 409.7974
5.330e+002

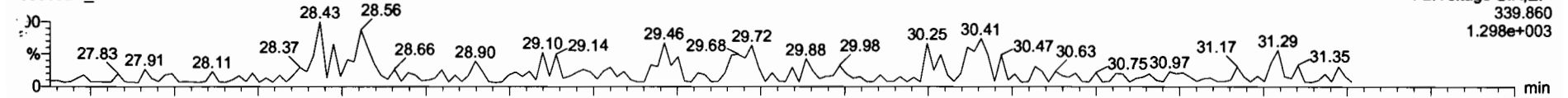
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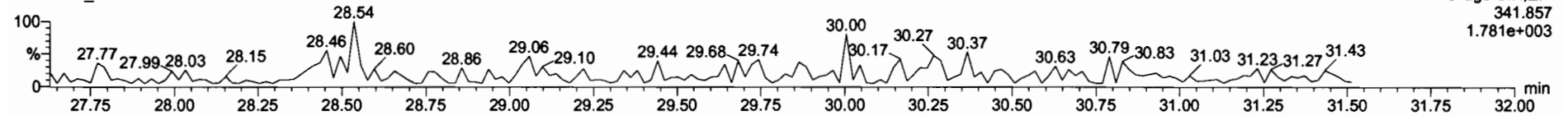
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1,2,3,7,8-PeCDF

200605D1_12

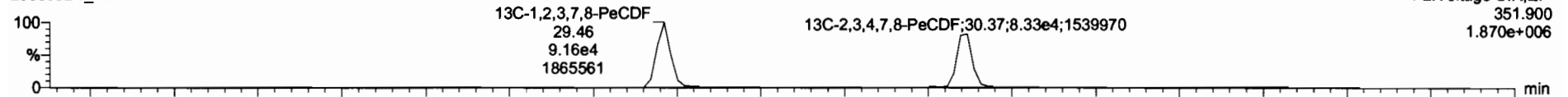


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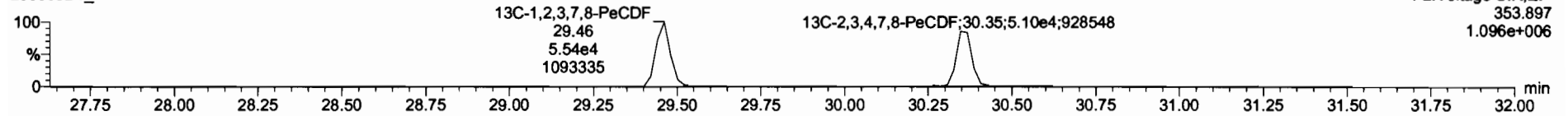


13C-1,2,3,7,8-PeCDF

200605D1_12

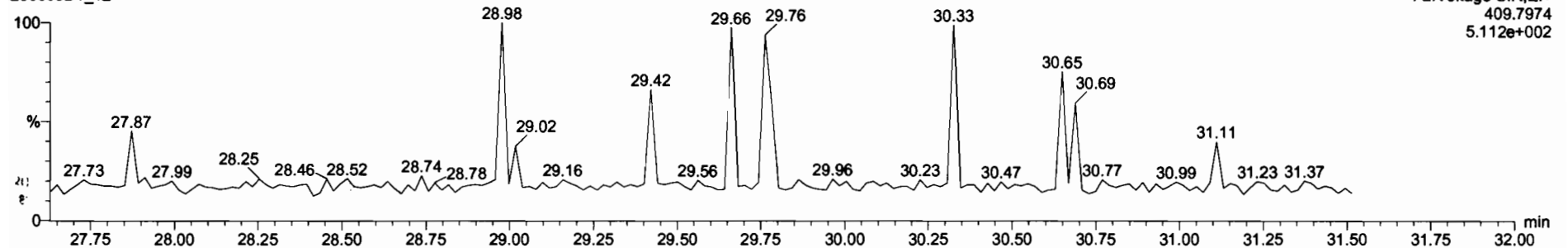


200605D1_12



DPE2

200605D1_12

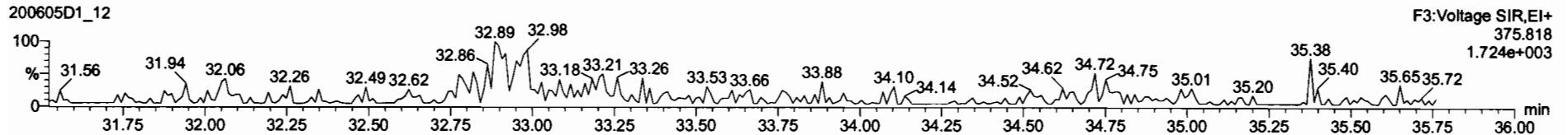
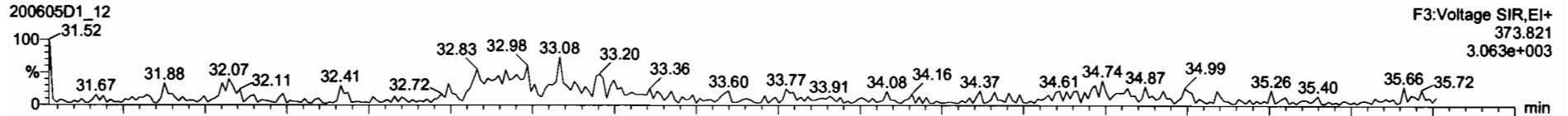


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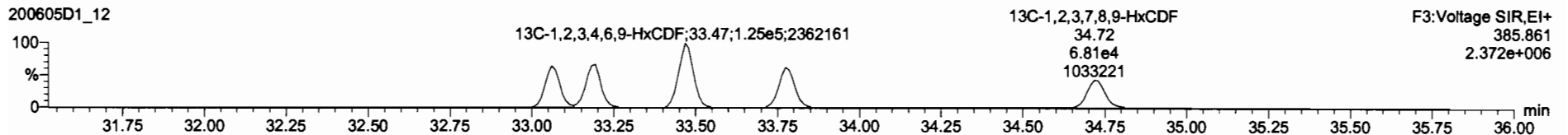
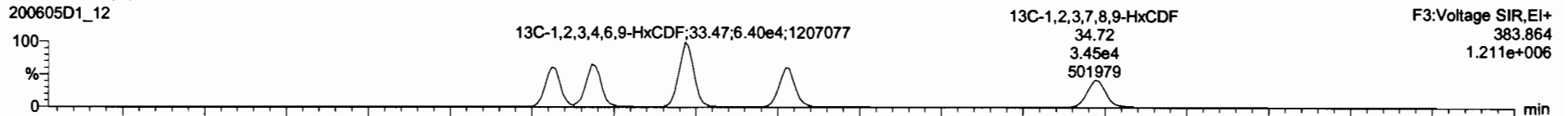
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Printed: Monday, June 08, 2020 15:29:53 Pacific Daylight Time

Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428

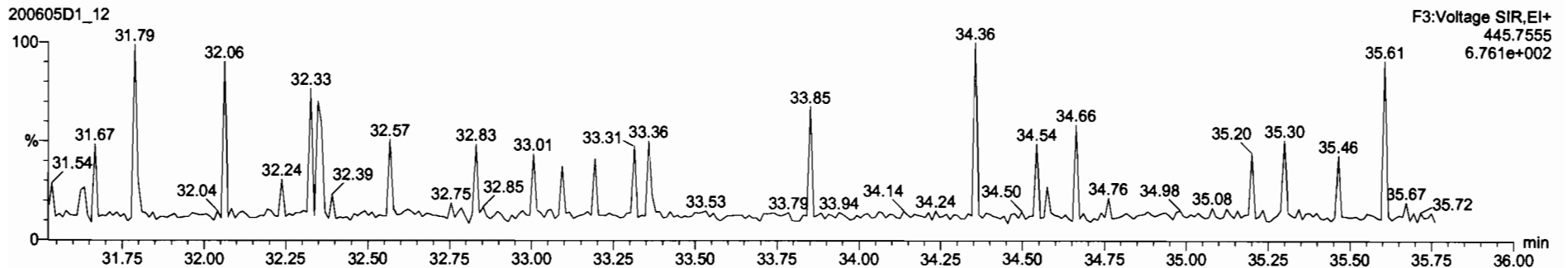
1,2,3,4,7,8-HxCDF



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



DPE3

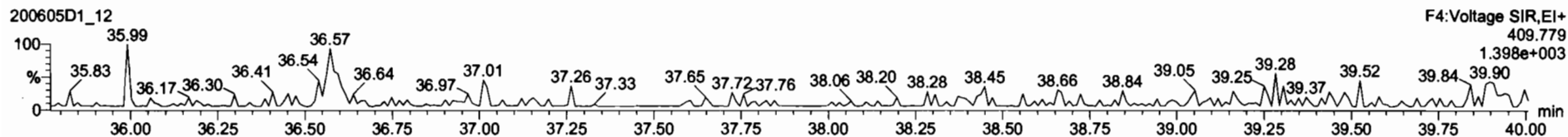
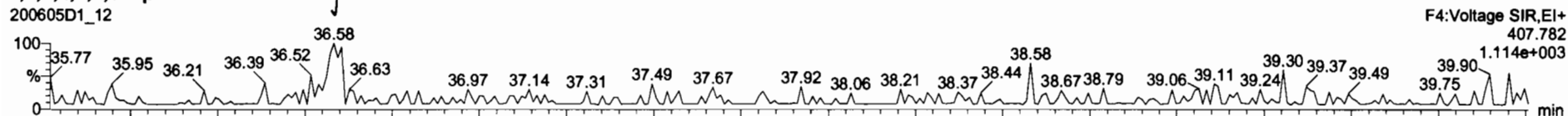


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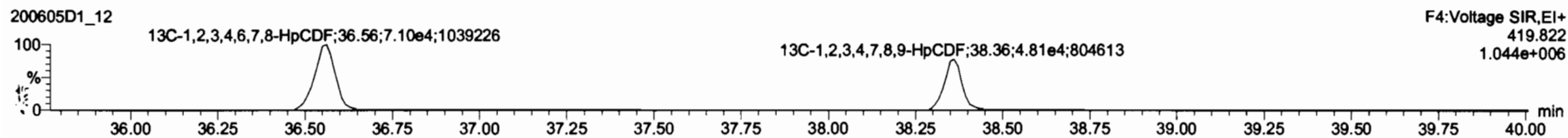
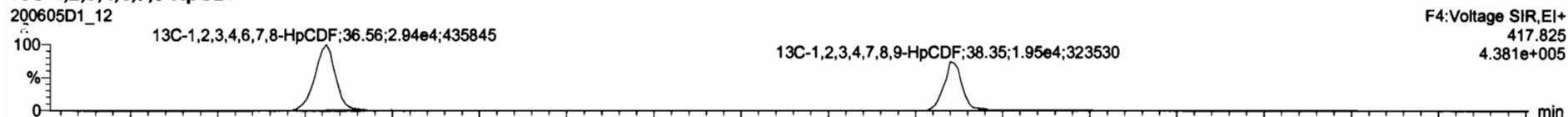
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Printed: Monday, June 08, 2020 15:29:53 Pacific Daylight Time

Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428

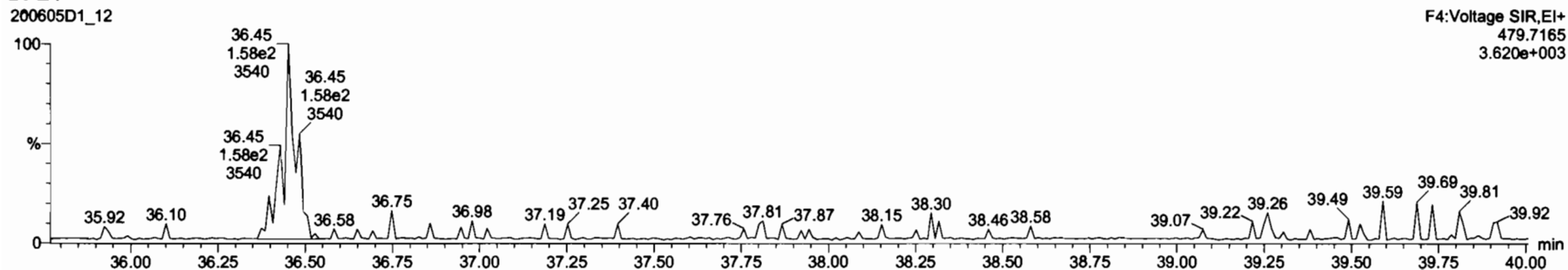
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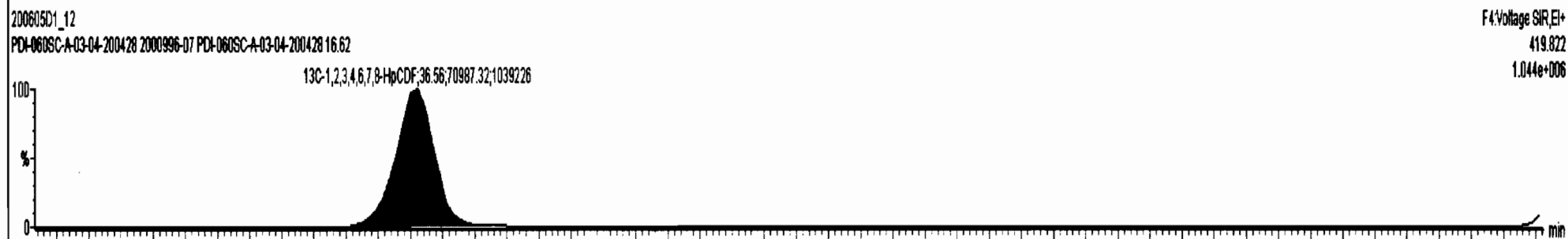
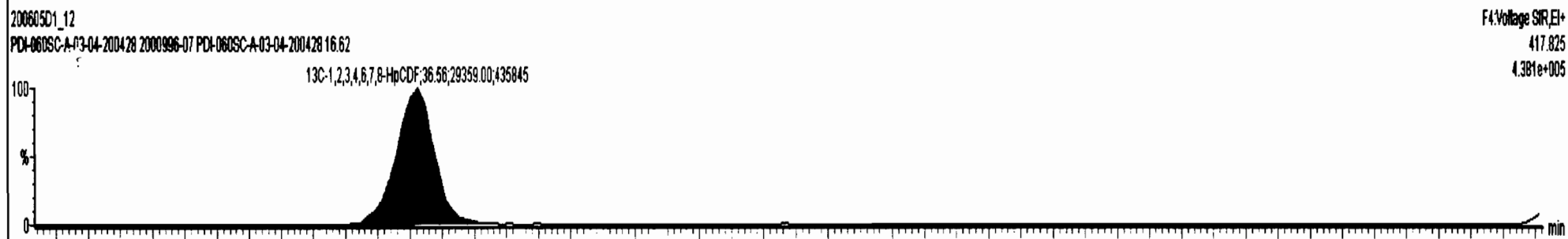
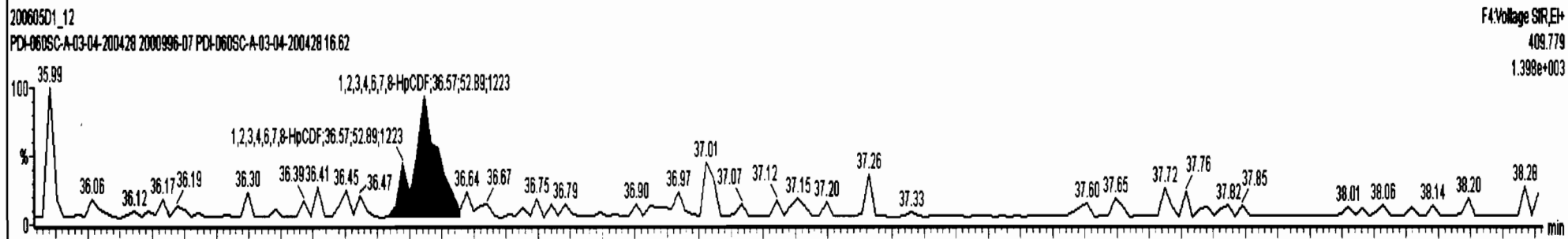
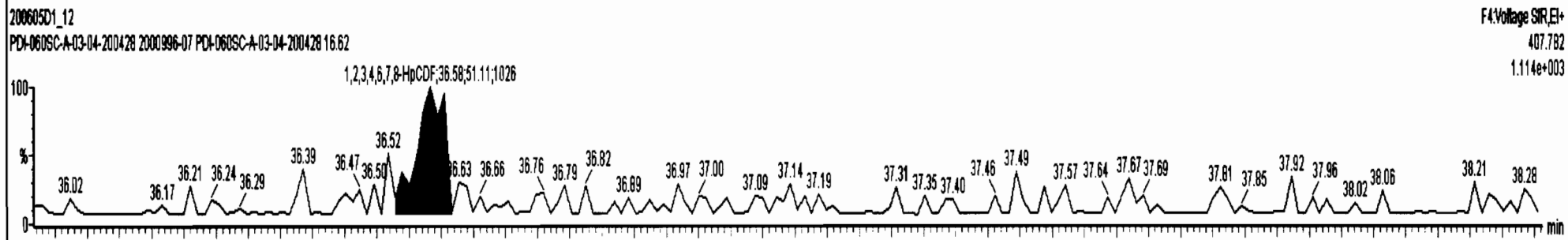


13C-1,2,3,4,6,7,8-HpCDF



DPE4

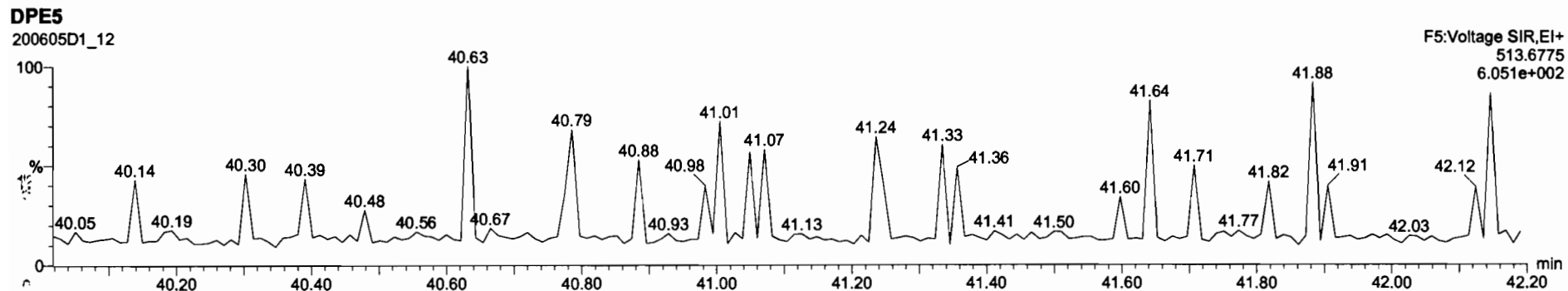
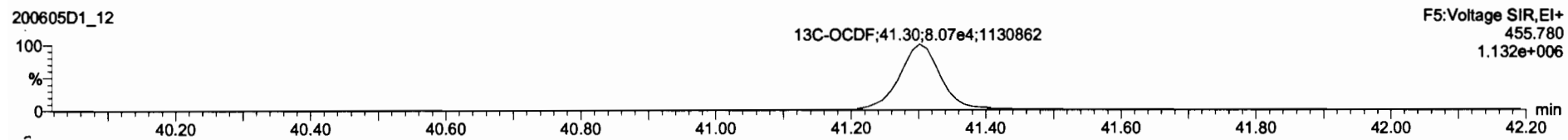
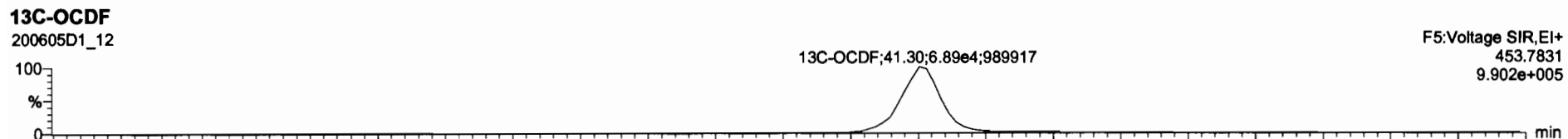
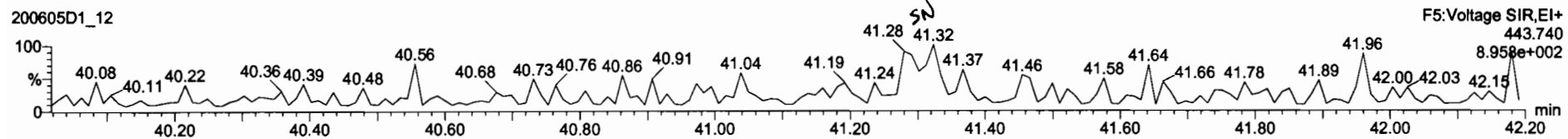
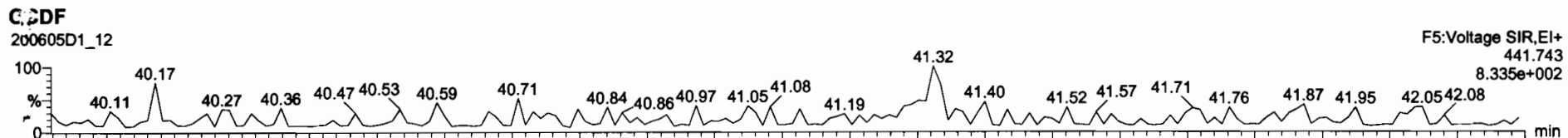




Dataset: U:\VG7.PRO\Results\200605D1\200605D1_12.qld

Last Altered: Monday, June 08, 2020 09:55:51 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:29:53 Pacific Daylight Time

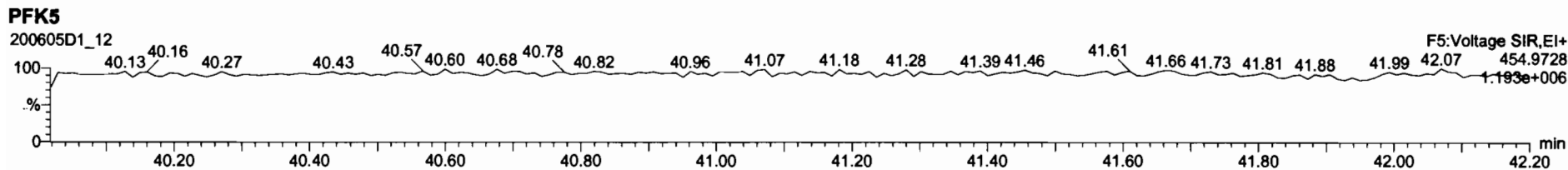
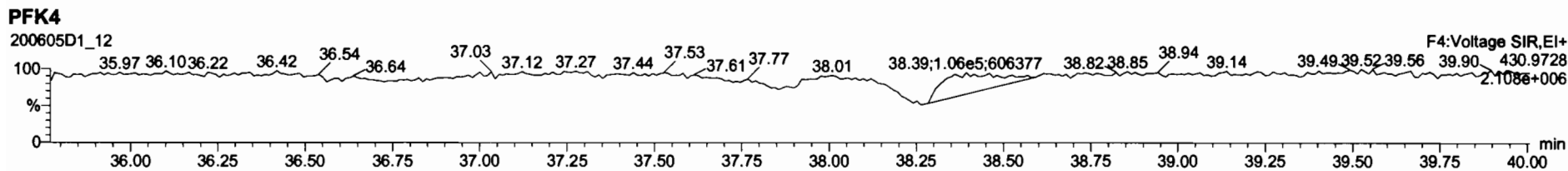
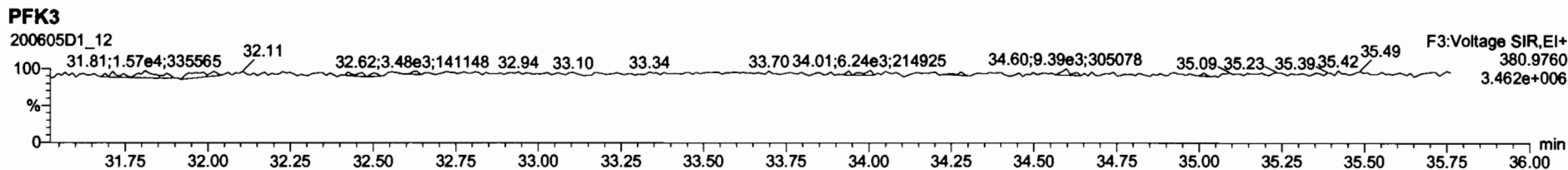
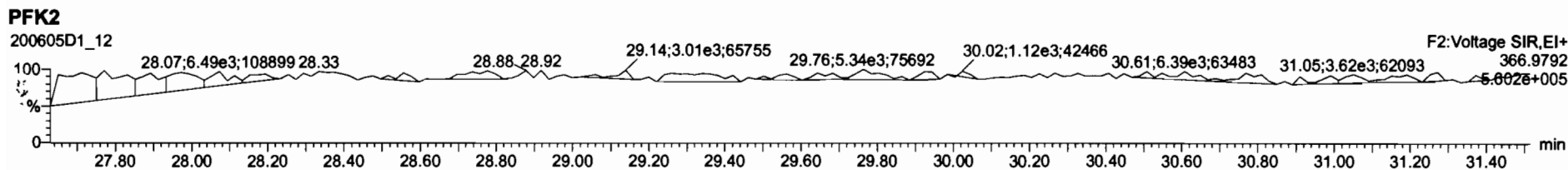
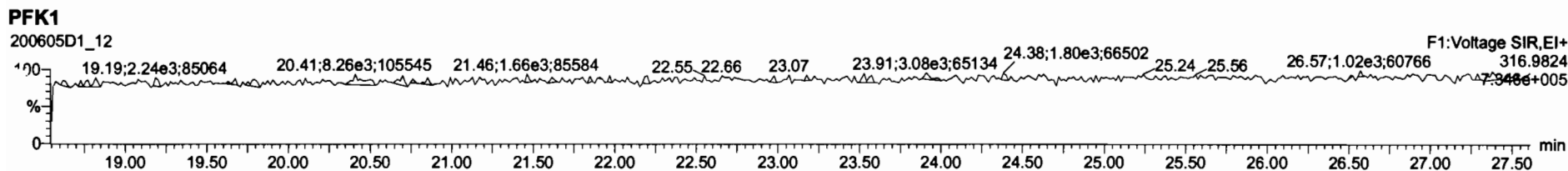
Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_12.qld

Last Altered: Monday, June 08, 2020 09:55:51 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:29:53 Pacific Daylight Time

Name: 200605D1_12, Date: 05-Jun-2020, Time: 20:38:01, ID: 2000996-07 PDI-060SC-A-03-04-200428 16.62, Description: PDI-060SC-A-03-04-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_13.qld

Last Altered: Monday, June 08, 2020 15:56:24 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:58:10 Pacific Daylight Time

DB 6/8/20 C1 07/02/2020

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

Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

	Ret	RA	Y	RRF	Wt%								
1	2,3,7,8-TCDD		NO	0.987	10.014	26.127		1.001				0.180	
2	1,2,3,7,8-PeCDD		NO	0.982	10.014	30.670		1.001				0.188	
3	1,2,3,4,7,8-HxCDD		NO	1.17	10.014	33.971		1.000				0.181	
4	1,2,3,6,7,8-HxCDD		NO	1.04	10.014	34.060		1.000				0.188	
5	1,2,3,7,8,9-HxCDD		NO	1.00	10.014	34.390		1.001				0.176	
6	1,2,3,4,6,7,8-HpCDD	3.49e2	0.89	NO	0.992	10.014	37.834	37.82	1.000	1.000	0.61921	0.160	0.619
7	OCDD	2.07e3	0.83	NO	1.04	10.014	41.082	41.08	1.000	1.000	4.5718	0.417	4.57
8	2,3,7,8-TCDF	1.27e2	1.16	YES	0.882	10.014	25.326	25.32	1.001	1.001	0.16576	0.184	0.136
9	1,2,3,7,8-PeCDF		NO	1.05	10.014	29.482		1.001				0.104	
10	2,3,4,7,8-PeCDF		NO	1.06	10.014	30.397		1.001				0.102	
11	1,2,3,4,7,8-HxCDF		NO	1.08	10.014	33.072		1.000				0.340	
12	1,2,3,6,7,8-HxCDF		NO	1.04	10.014	33.203		1.000				0.347	
13	2,3,4,6,7,8-HxCDF		NO	1.11	10.014	33.819		1.001				0.351	
14	1,2,3,7,8,9-HxCDF		NO	1.06	10.014	34.718		1.000				0.495	
15	1,2,3,4,6,7,8-HpCDF		NO	1.13	10.014	36.598		1.001				0.0888	
16	1,2,3,4,7,8,9-HpCDF		NO	1.33	10.014	38.361		1.000				0.0789	
17	OCDF		NO	0.933	10.014	41.302		1.000				0.168	
18	13C-2,3,7,8-TCDD	1.23e5	0.78	NO	1.21	10.014	26.195	26.10	1.026	1.022	118.49	59.3	0.303
19	13C-1,2,3,7,8-PeCDD	1.09e5	0.63	NO	0.996	10.014	30.688	30.65	1.202	1.200	126.71	63.4	0.288
20	13C-1,2,3,4,7,8-HxCDD	9.41e4	1.31	NO	0.679	10.014	33.947	33.96	1.014	1.014	147.42	73.8	0.562
21	13C-1,2,3,6,7,8-HxCDD	1.14e5	1.35	NO	0.850	10.014	34.057	34.06	1.017	1.017	142.12	71.2	0.449
22	13C-1,2,3,7,8,9-HxCDD	1.25e5	1.28	NO	0.798	10.014	34.328	34.36	1.025	1.026	165.88	83.1	0.478
23	13C-1,2,3,4,6,7,8-HpCDD	1.13e5	1.09	NO	0.697	10.014	37.797	37.82	1.129	1.130	173.18	86.7	0.531
24	13C-OCDD	1.75e5	0.94	NO	0.579	10.014	40.823	41.08	1.219	1.227	321.51	80.5	0.482
25	13C-2,3,7,8-TCDF	1.74e5	0.74	NO	1.13	10.014	25.276	25.30	0.990	0.991	102.69	51.4	0.414
26	13C-1,2,3,7,8-PeCDF	1.77e5	1.69	NO	0.996	10.014	29.506	29.46	1.156	1.154	118.02	59.1	0.397
27	13C-2,3,4,7,8-PeCDF	1.71e5	1.65	NO	0.969	10.014	30.407	30.37	1.191	1.189	117.19	58.7	0.408
28	13C-1,2,3,4,7,8-HxCDF	1.50e5	0.50	NO	1.06	10.014	33.076	33.07	0.988	0.988	151.18	75.7	0.612
29	13C-1,2,3,6,7,8-HxCDF	1.58e5	0.50	NO	1.18	10.014	33.210	33.19	0.992	0.991	142.97	71.6	0.550
30	13C-2,3,4,6,7,8-HxCDF	1.54e5	0.49	NO	1.06	10.014	33.783	33.78	1.009	1.009	155.15	77.7	0.612
31	13C-1,2,3,7,8,9-HxCDF	1.32e5	0.49	NO	0.879	10.014	34.683	34.72	1.036	1.037	160.23	80.2	0.736

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_13.qld

Last Altered: Monday, June 08, 2020 15:56:24 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:58:10 Pacific Daylight Time

Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

	Conc	RA	Wt	RF	Wt	Conc	Conc	RF	RF	Conc	Conc	RF	RF	
32	13C-1,2,3,4,6,7,8-HpCDF	1.41e5	0.42	NO	0.893	10.014	36.391	36.56	1.087	1.092	167.99	84.1	0.587	
33	13C-1,2,3,4,7,8,9-HpCDF	9.90e4	0.42	NO	0.613	10.014	38.399	38.36	1.147	1.146	171.66	86.0	0.855	
34	13C-OCDF	2.21e5	0.88	NO	0.741	10.014	40.977	41.30	1.224	1.234	317.24	79.4	0.489	
35	37Cl-2,3,7,8-TCDD	4.90e4			1.18	10.014	26.192	26.13	1.026	1.023	48.144	60.3	0.0861	
36	13C-1,2,3,4-TCDD	1.72e5	0.82	NO	1.00	10.014	25.480	25.53	1.000	1.000	199.71	100	0.365	
37	13C-1,2,3,4-TCDF	3.00e5	0.76	NO	1.00	10.014	24.020	24.08	1.000	1.000	199.71	100	0.467	
38	13C-1,2,3,4,6,9-HxCDF	1.88e5	0.50	NO	1.00	10.014	33.530	33.48	1.000	1.000	199.71	100	0.647	
39	Total Tetra-Dioxins				0.987	10.014	24.620		0.000		0.00000		0.110	0.254
40	Total Penta-Dioxins				0.982	10.014	29.960		0.000				0.0958	
41	Total Hexa-Dioxins				1.04	10.014	33.635		0.000		0.88888		0.186	0.889
42	Total Hepta-Dioxins				0.992	10.014	37.640		0.000		1.5743		0.160	1.57
43	Total Tetra-Furans				0.882	10.014	23.610		0.000		0.68842		0.184	0.991
44	1st Func. Penta-Furans				1.05	10.014	27.090		0.000				0.0174	
45	Total Penta-Furans				1.05	10.014	29.275		0.000				0.0483	
46	Total Hexa-Furans				1.11	10.014	33.555		0.000				0.223	
47	Total Hepta-Furans				1.13	10.014	37.835		0.000				0.0497	

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_13.qld

Last Altered: Monday, June 08, 2020 15:56:24 Pacific Daylight Time

Printed: Monday, June 08, 2020 15:58:10 Pacific Daylight Time

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

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

Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

Tetra-Dioxins

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Ratio	Flags	Area	Area	Area	Area
Total Tetra-Dioxins	24.23	1.313e3	1.353e3	1.020e2	8.754e1	1.17	YES	0.000e0	0.00000	0.25404	0.110

Penta-Dioxins

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Ratio	Flags	Area	Area	Area	Area
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Hexa-Dioxins

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Ratio	Flags	Area	Area	Area	Area
Total Hexa-Dioxins	32.45	3.855e3	3.624e3	1.679e2	1.586e2	1.06	NO	3.264e2	0.56829	0.56829	0.186
Total Hexa-Dioxins	33.28	1.557e3	1.304e3	1.025e2	8.166e1	1.26	NO	1.842e2	0.32060	0.32060	0.186

Hepta-Dioxins

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Ratio	Flags	Area	Area	Area	Area
Total Hepta-Dioxins	36.97	4.656e3	4.184e3	2.672e2	2.709e2	0.99	NO	5.382e2	0.95511	0.95511	0.160
1,2,3,4,6,7,8-HpCDD	37.82	2.935e3	3.515e3	1.644e2	1.845e2	0.89	NO	3.489e2	0.61921	0.61921	0.160

Tetra-Furans

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Ratio	Flags	Area	Area	Area	Area
Total Tetra-Furans	21.71	3.303e3	4.031e3	2.319e2	2.966e2	0.78	NO	5.284e2	0.68842	0.68842	0.184
Total Tetra-Furans	24.51	1.183e3	1.213e3	8.248e1	7.224e1	1.14	YES	0.000e0	0.00000	0.16658	0.184
2,3,7,8-TCDF	25.32	1.056e3	1.210e3	6.842e1	5.883e1	1.16	YES	1.272e2	0.00000	0.13564	0.184

Penta-Furans function 1

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Ratio	Flags	Area	Area	Area	Area
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Dataset: U:\VG7.PRO\Results\200605D1\200605D1_13.qld

Last Altered: Monday, June 08, 2020 15:56:24 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:58:10 Pacific Daylight Time

Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

Penta-Furans

Peak	Area	Height	m1 Height	m2 Height	m3 Peak	m3 Area
[Redacted]						

Hexa-Furans

Peak	Area	Height	m1 Height	m2 Height	m1 Resp	m2 Resp
[Redacted]						

Hepta-Furans

Peak	Area	Height	m1 Height	m2 Height	m3 Peak	m3 Area
[Redacted]						

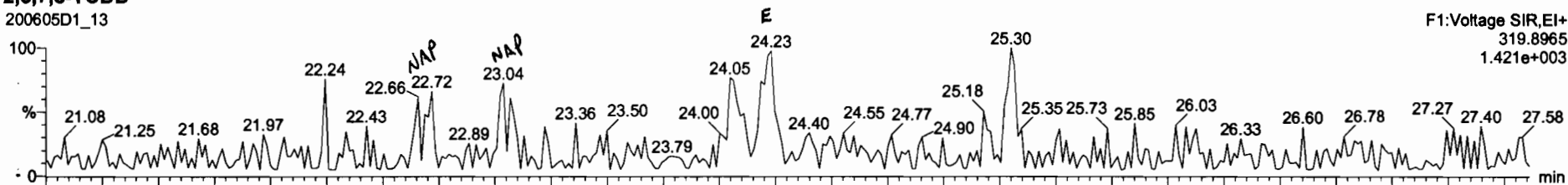
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Last Altered: Monday, June 08, 2020 09:56:47 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:45:54 Pacific Daylight Time

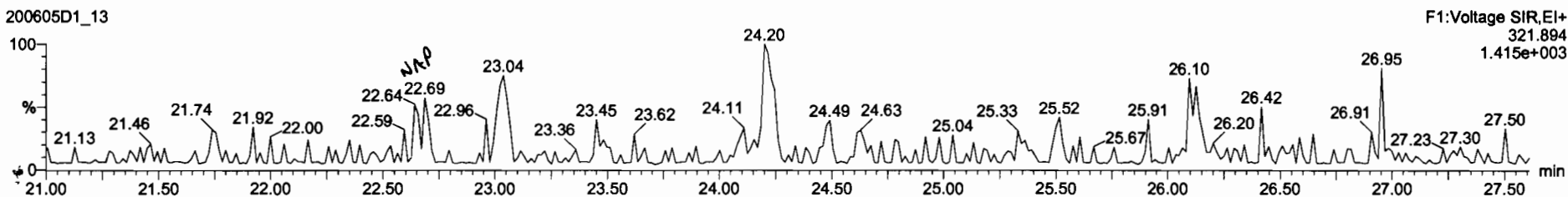
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

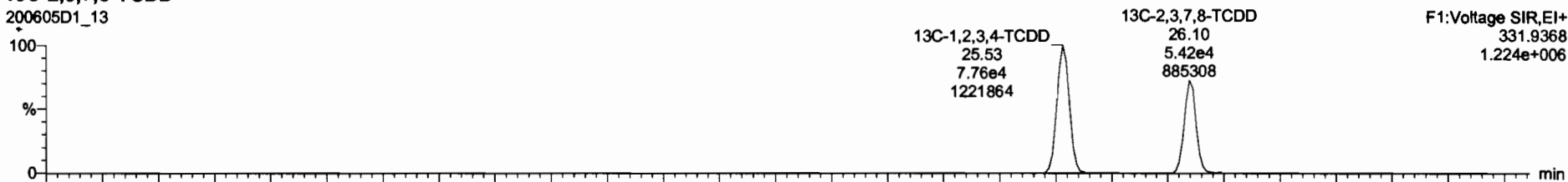
2,3,7,8-TCDD
200605D1_13



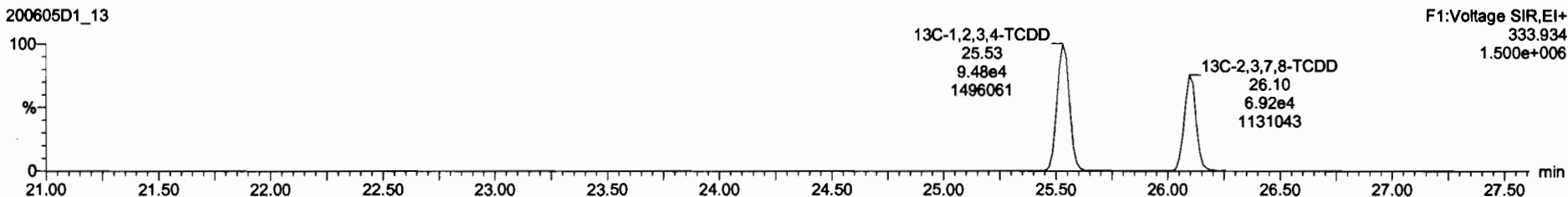
200605D1_13

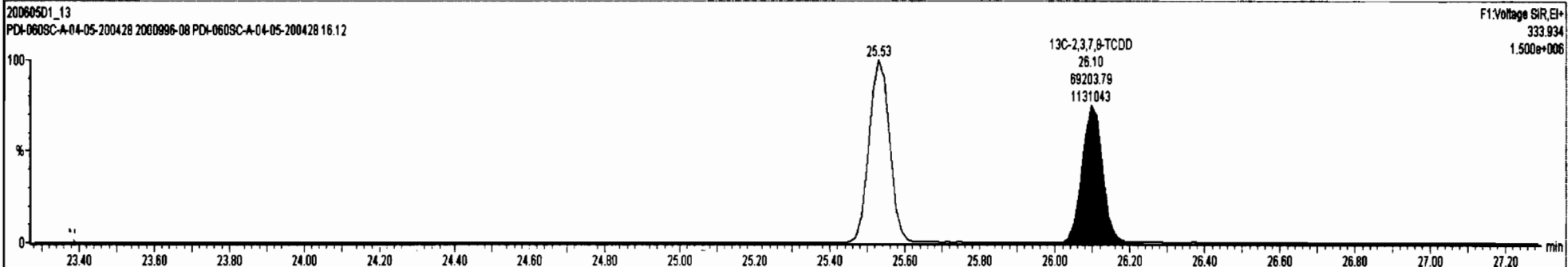
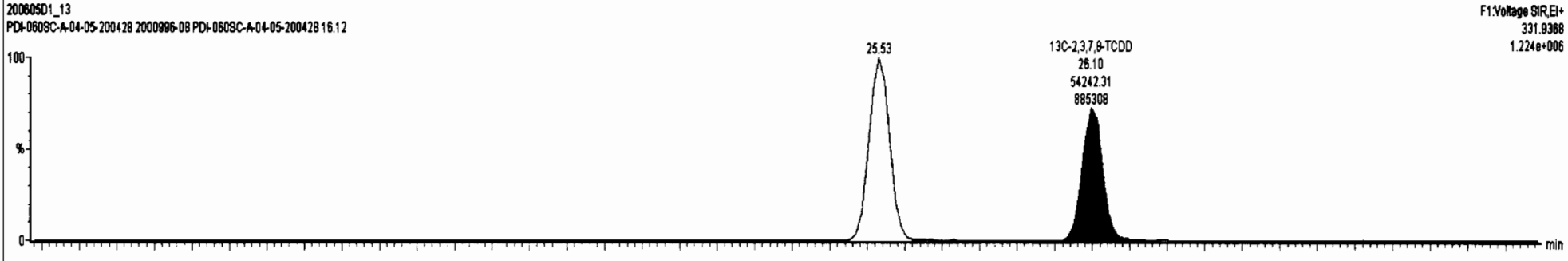
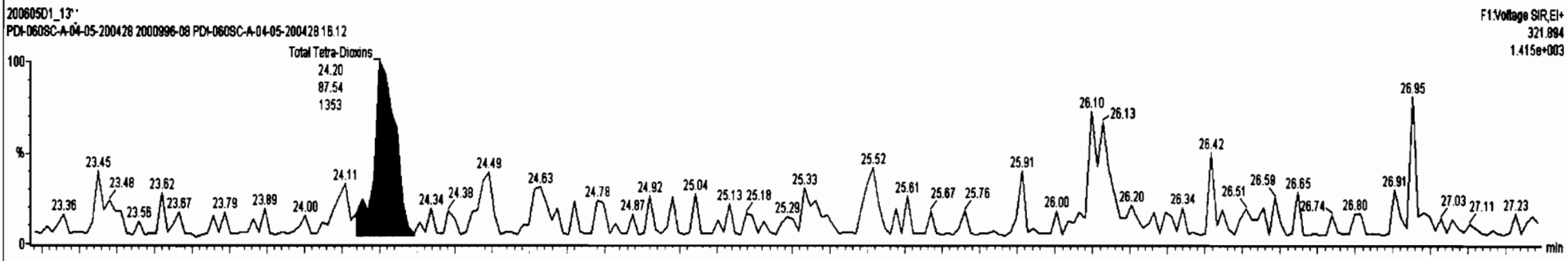
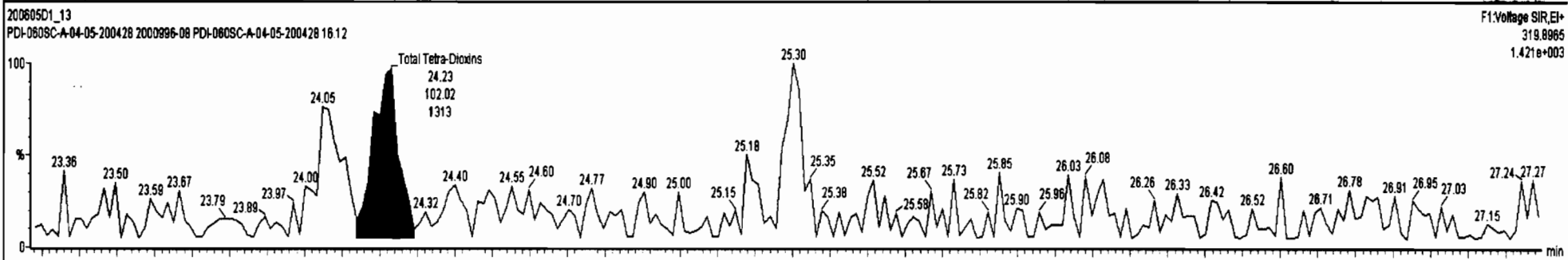


13C-2,3,7,8-TCDD
200605D1_13



200605D1_13





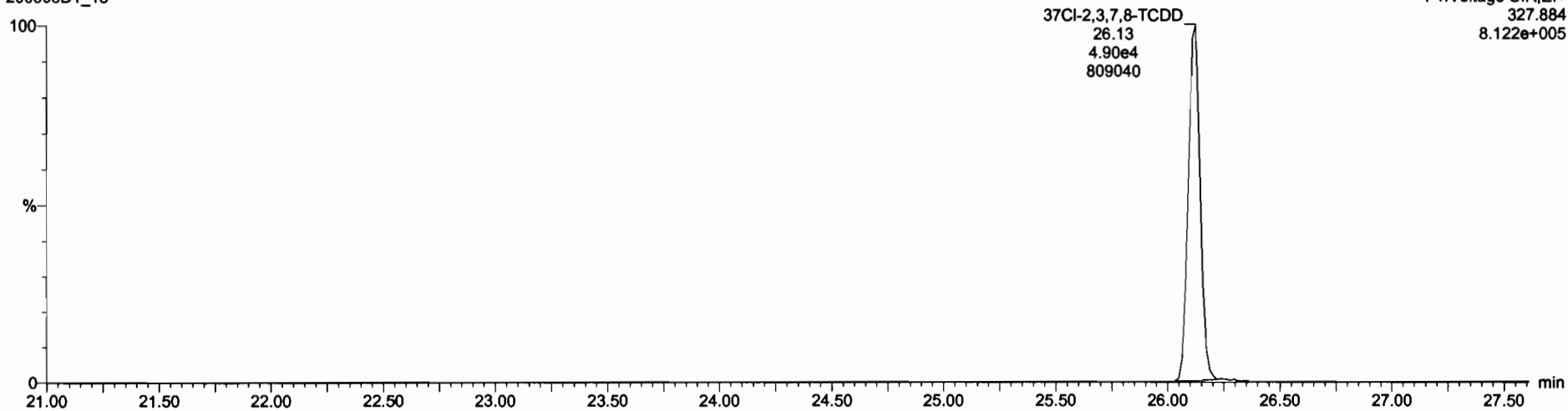
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Last Altered: Monday, June 08, 2020 09:56:47 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:45:54 Pacific Daylight Time

Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

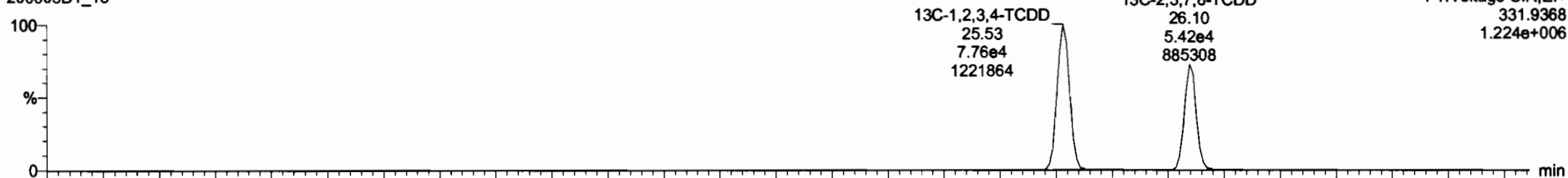
37Cl-2,3,7,8-TCDD

200605D1_13

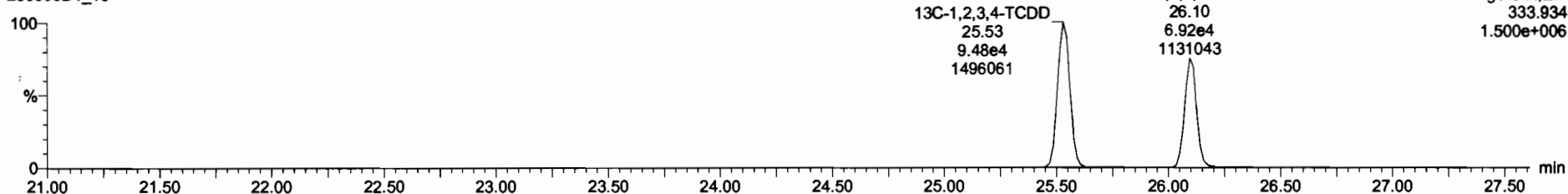


13C-1,2,3,4-TCDD

200605D1_13



200605D1_13



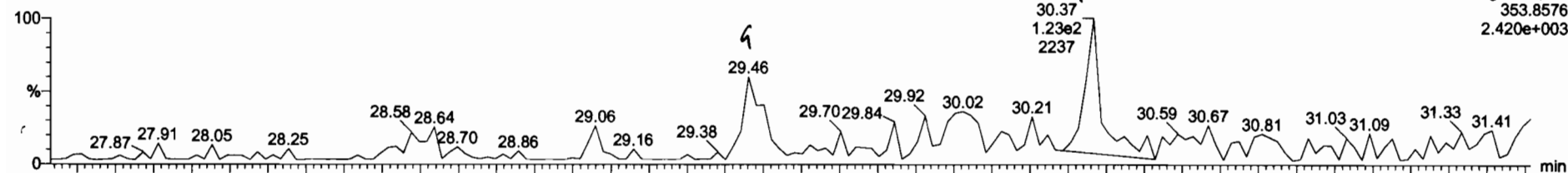
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Printed: Monday, June 08, 2020 15:45:54 Pacific Daylight Time

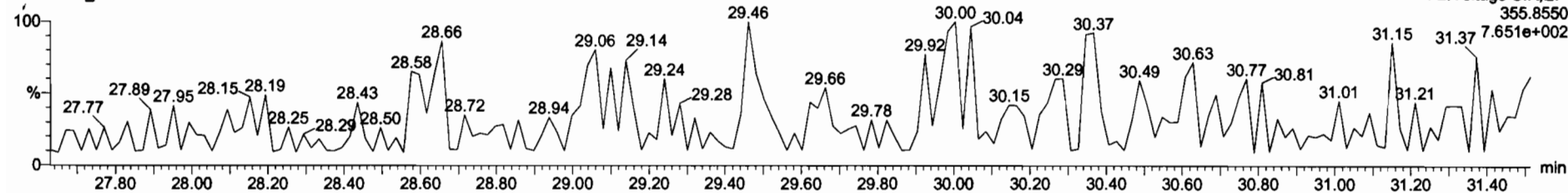
Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

1,2,3,7,8-PeCDD

200605D1_13



200605D1_13

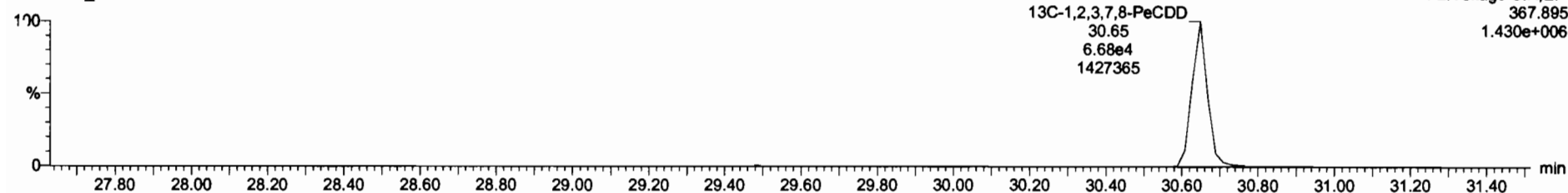


13C-1,2,3,7,8-PeCDD

200605D1_13



200605D1_13

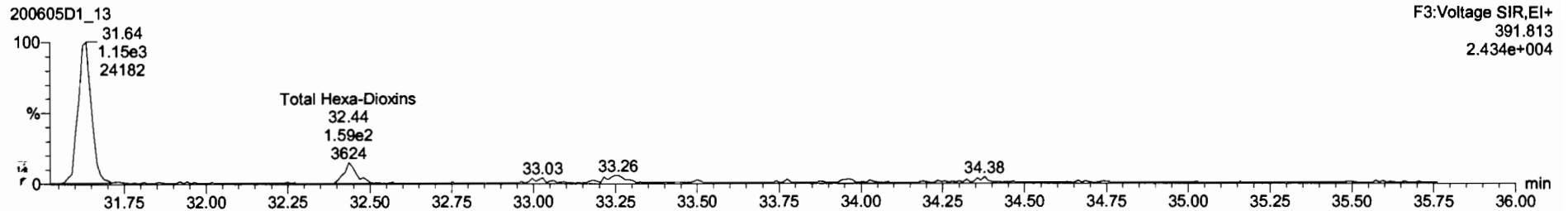
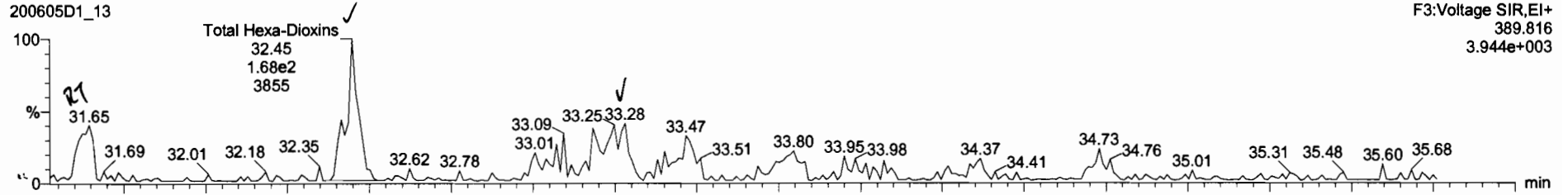


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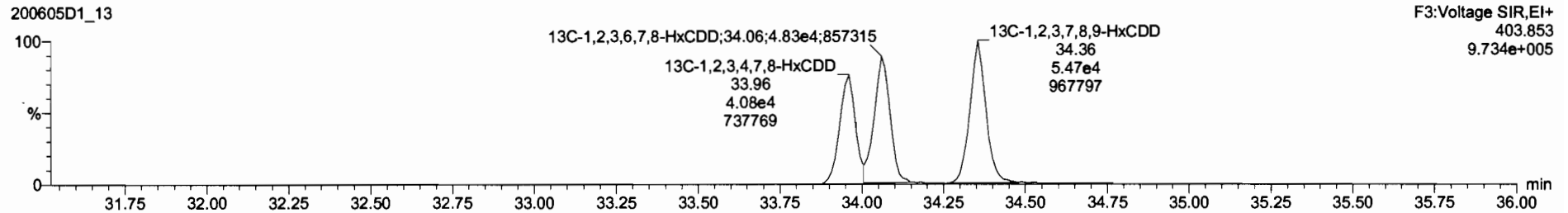
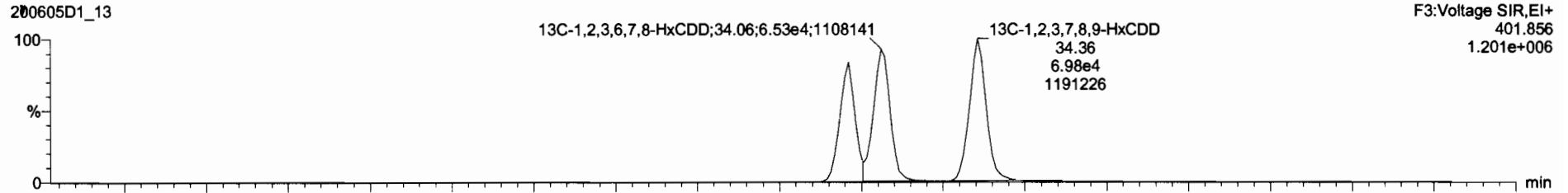
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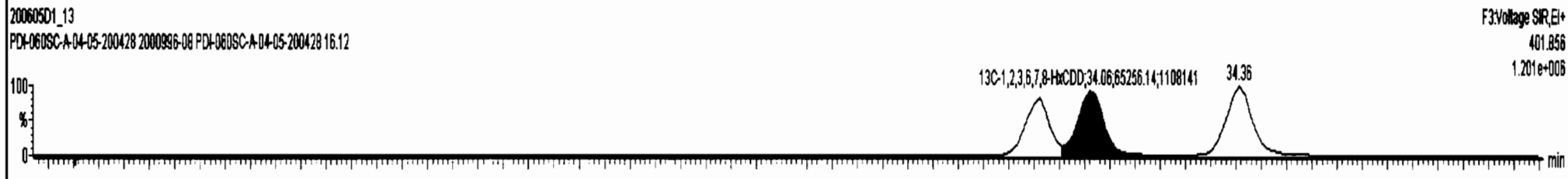
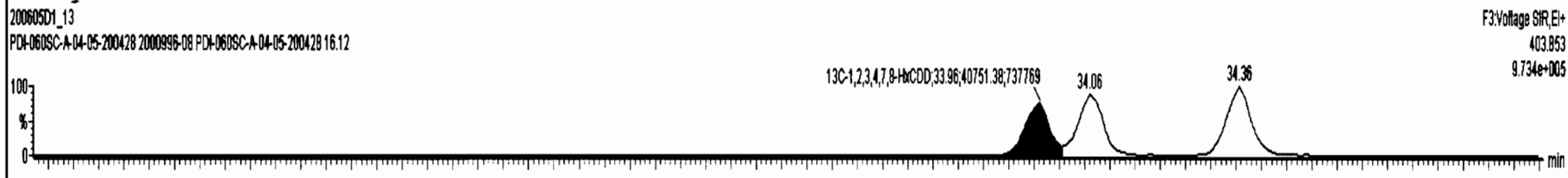
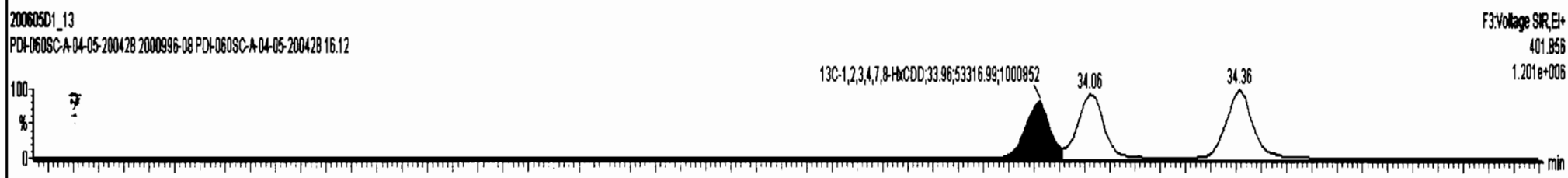
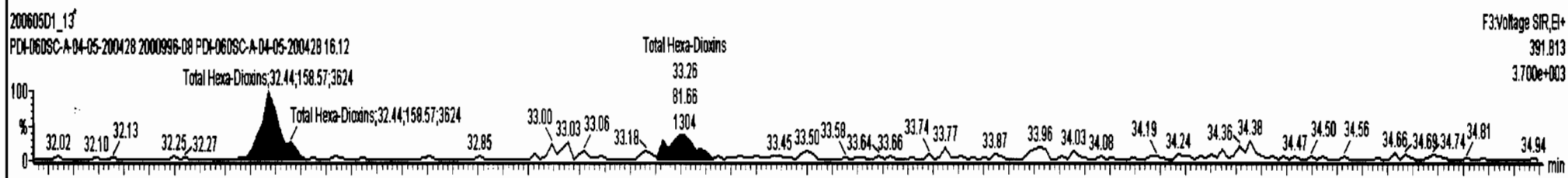
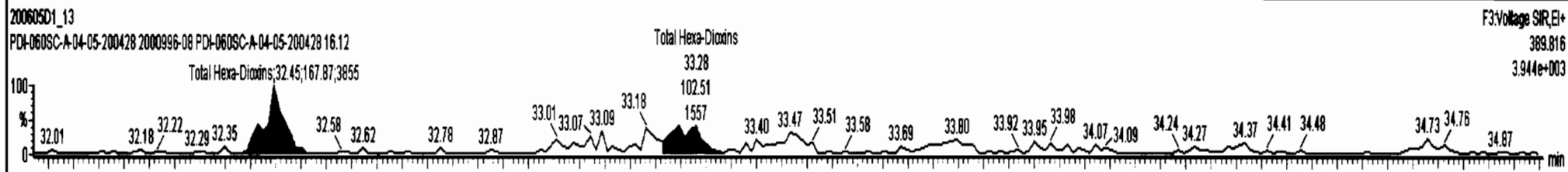
Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

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



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



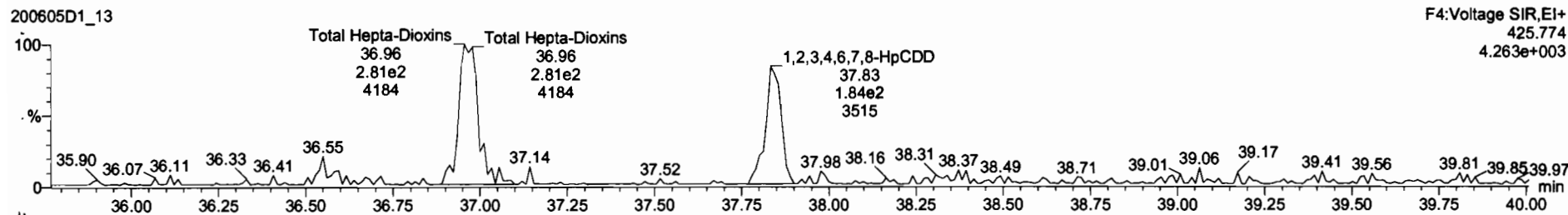
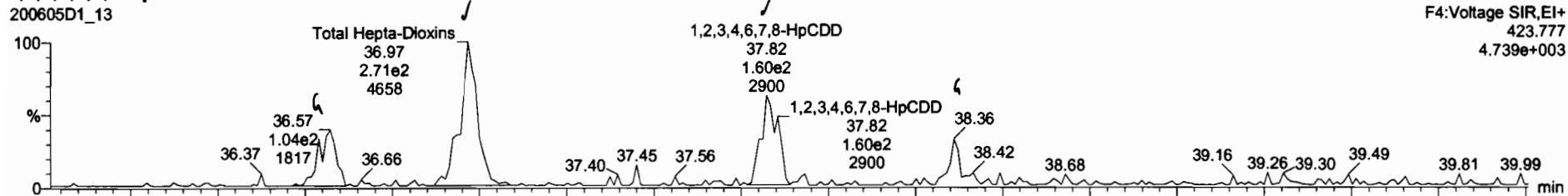


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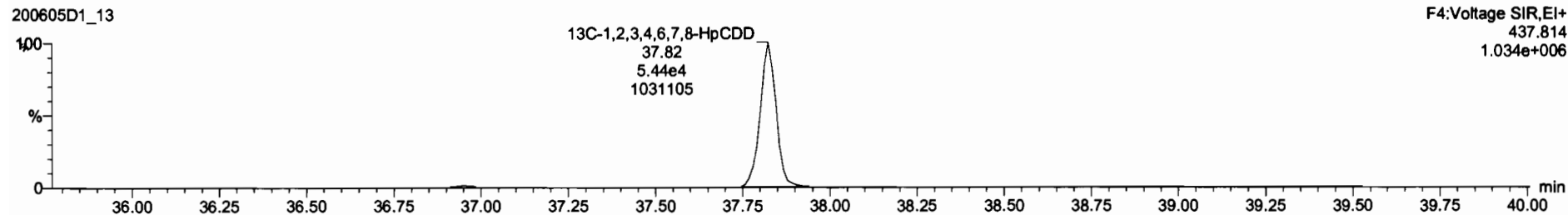
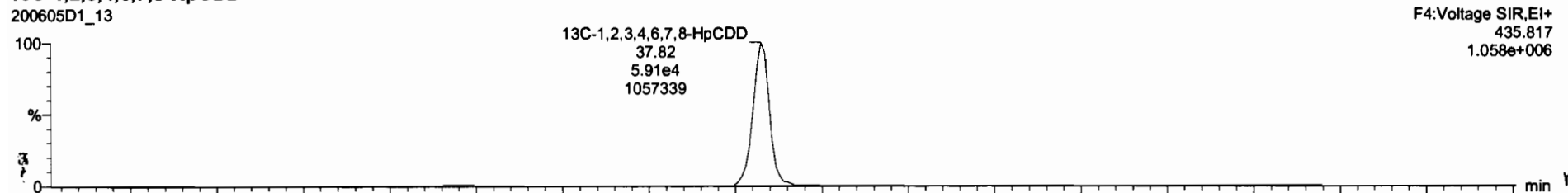
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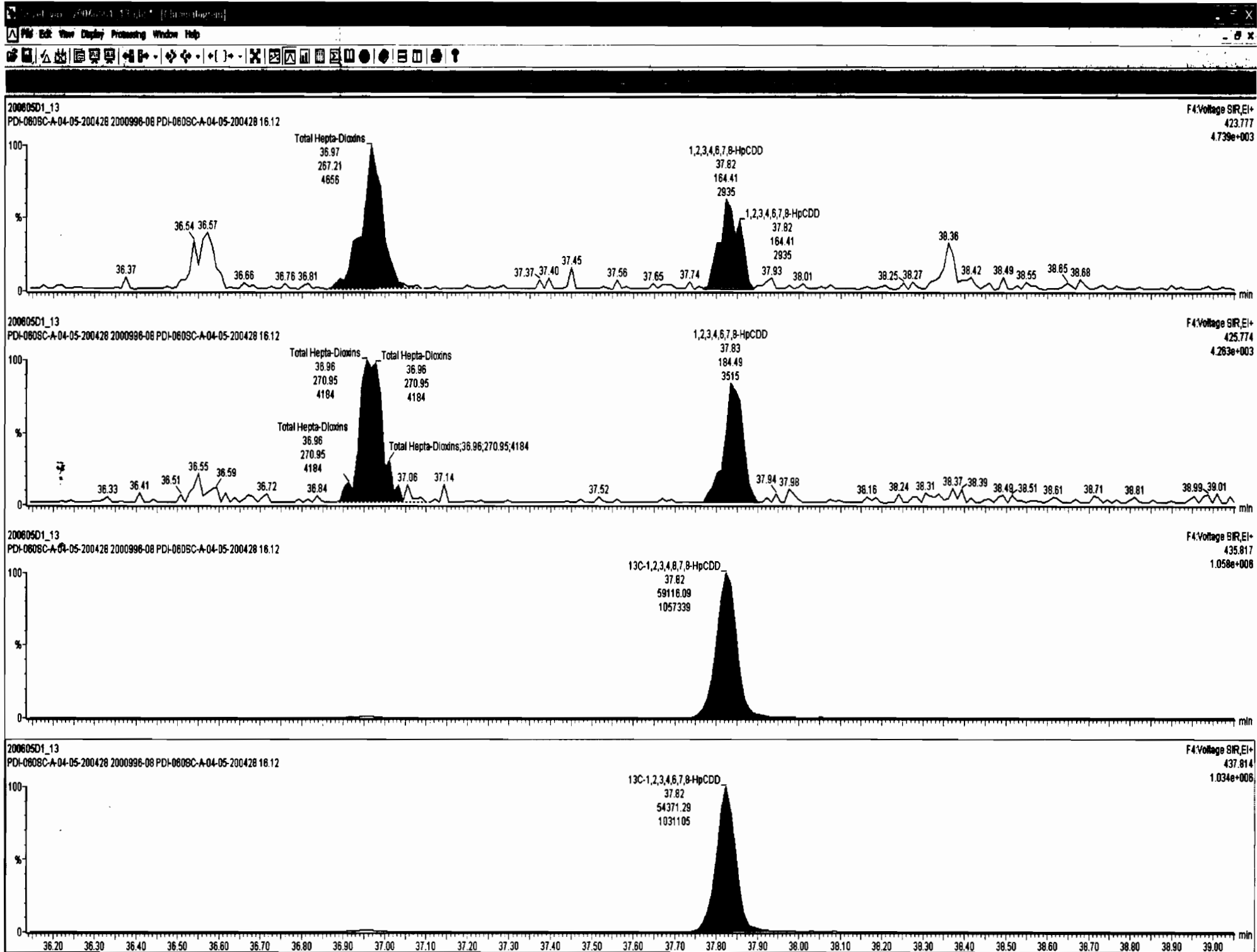
Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

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



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

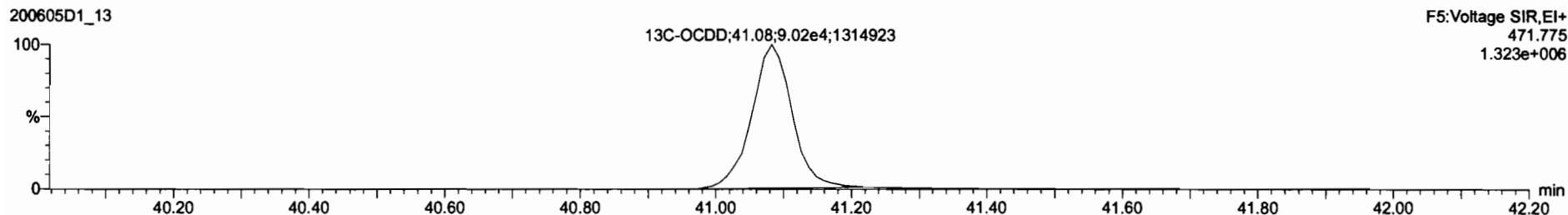
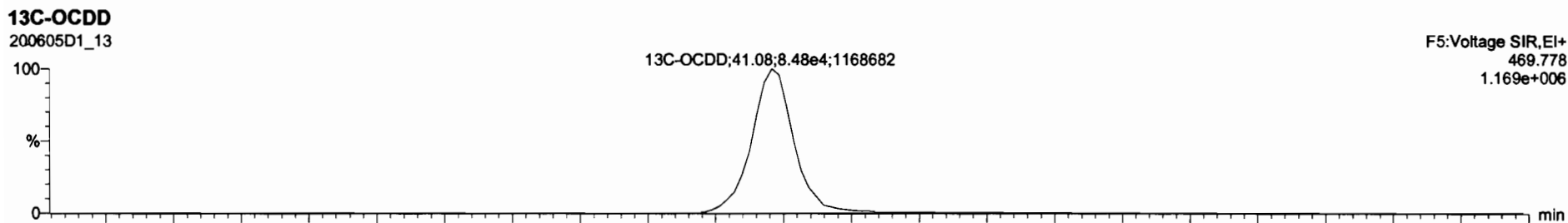
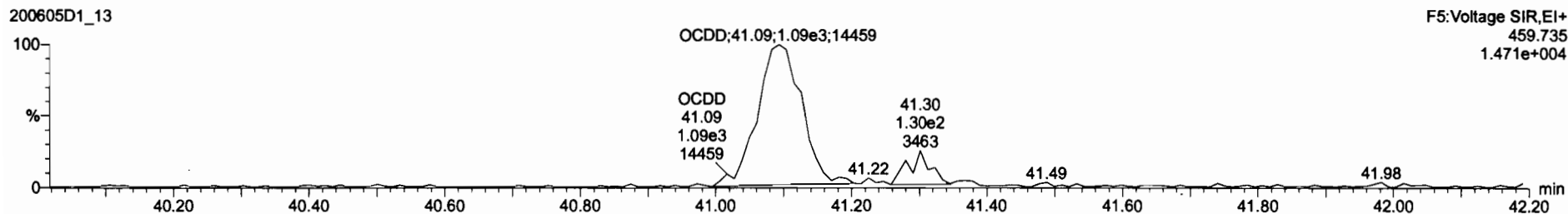
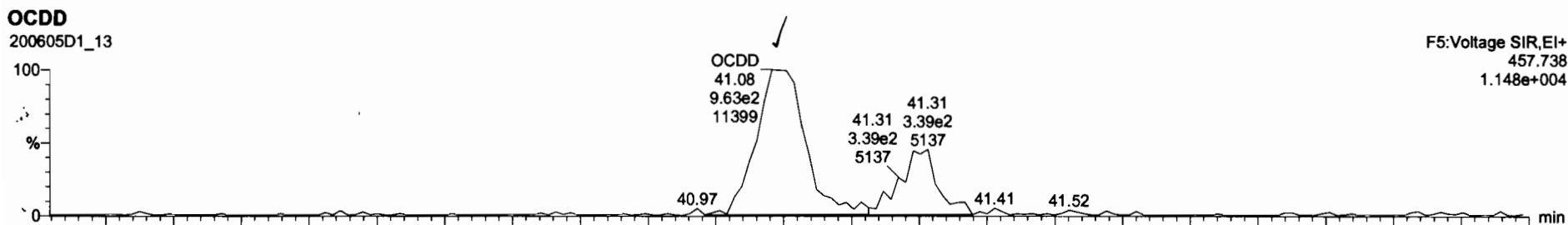


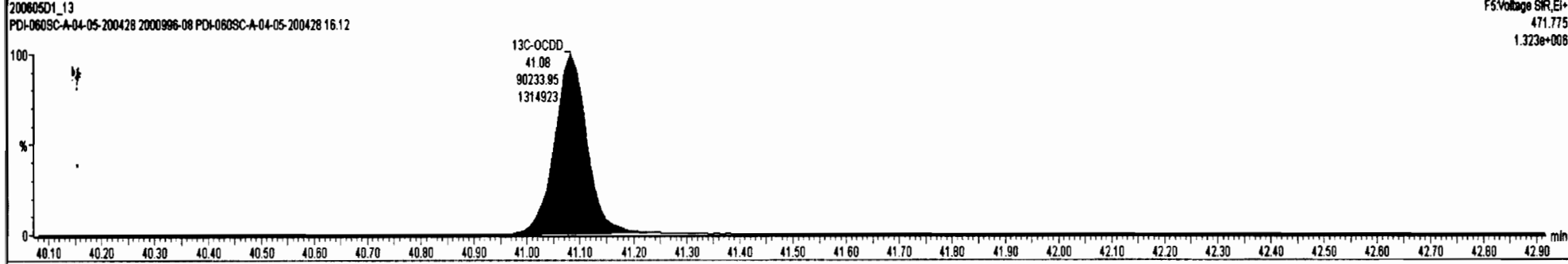
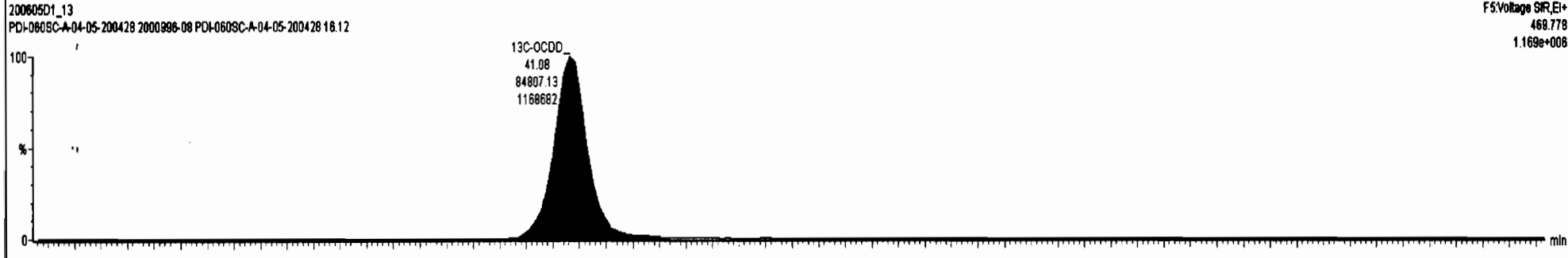
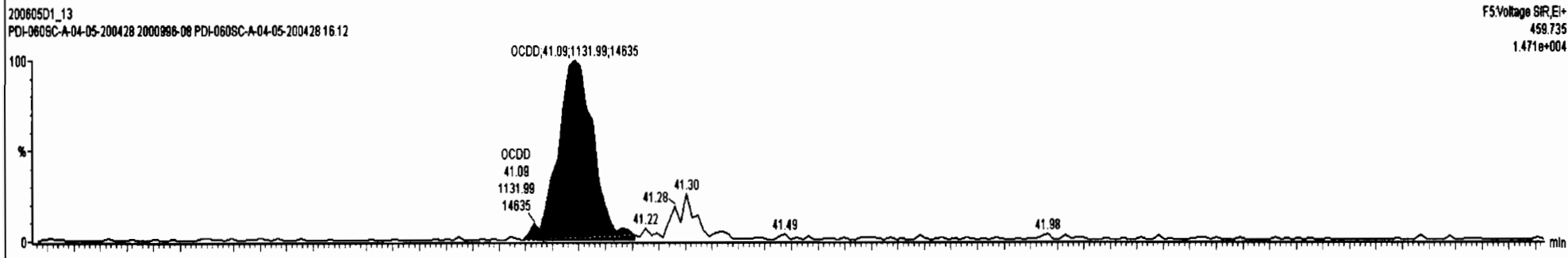
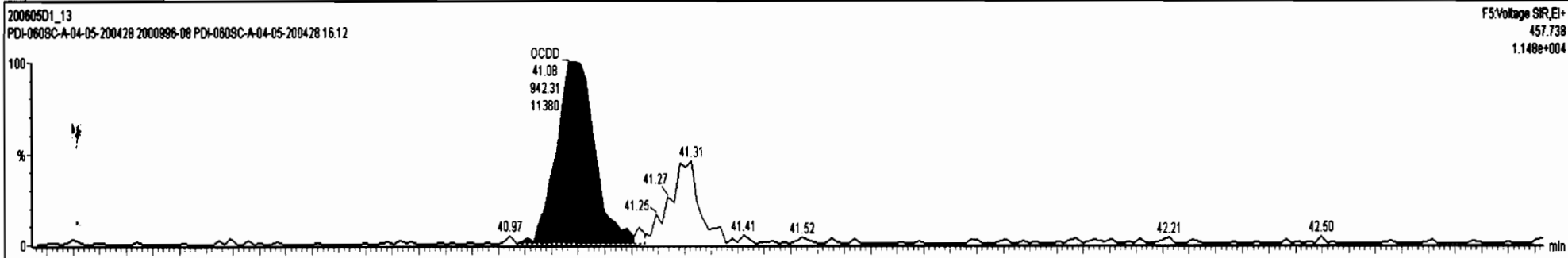


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_13.qld

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Printed: Monday, June 08, 2020 15:45:54 Pacific Daylight Time

Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428



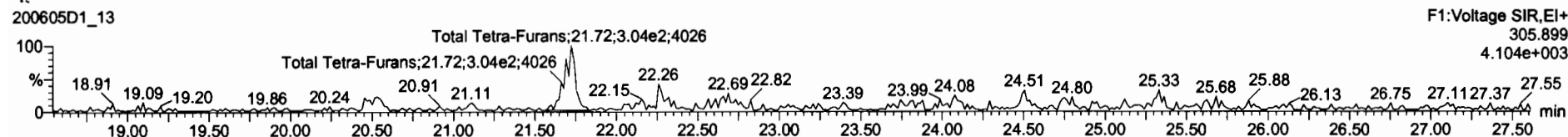
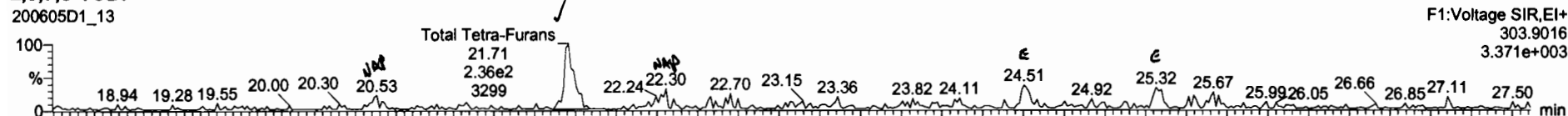


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_13.qld

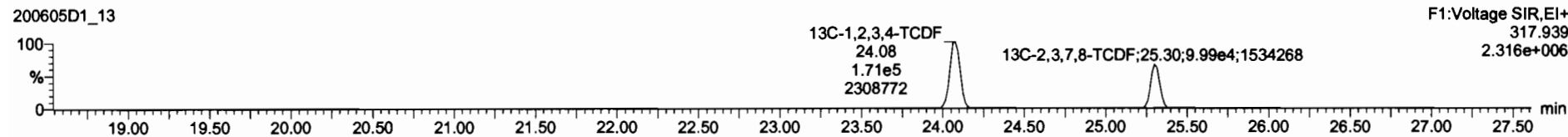
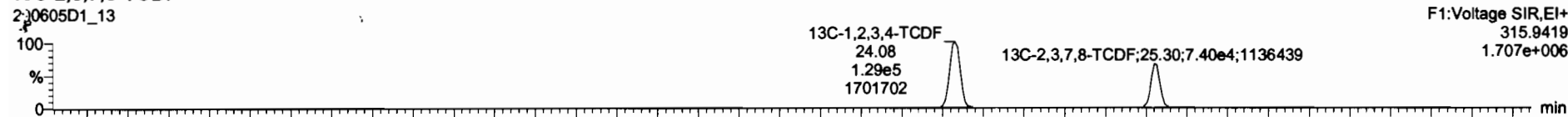
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Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

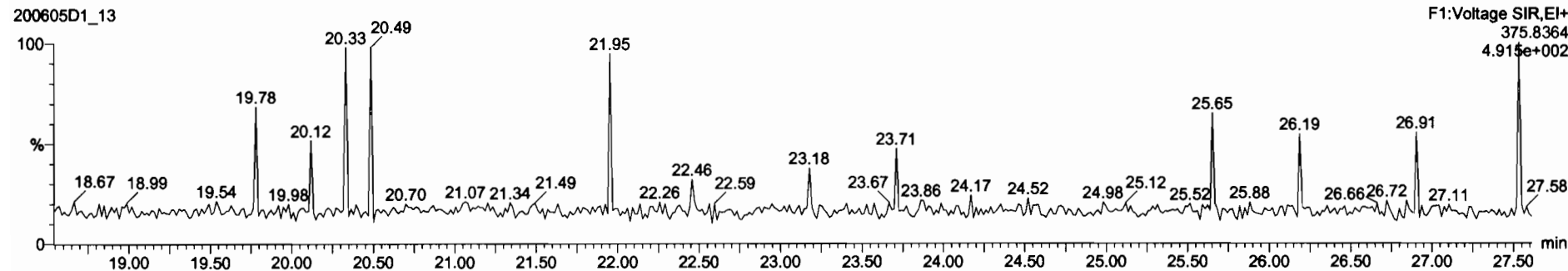
2,3,7,8-TCDF

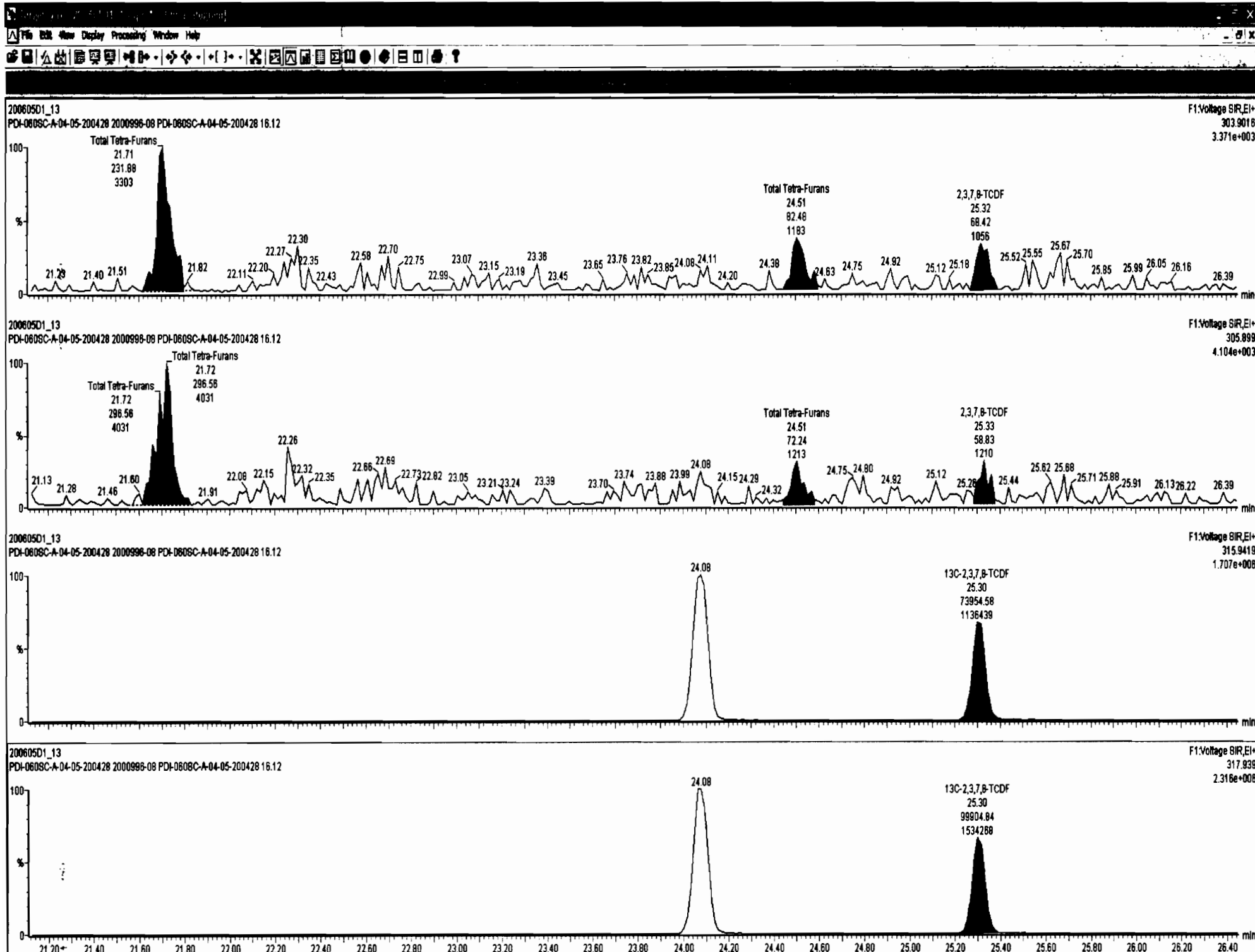


13C-2,3,7,8-TCDF



DPE1





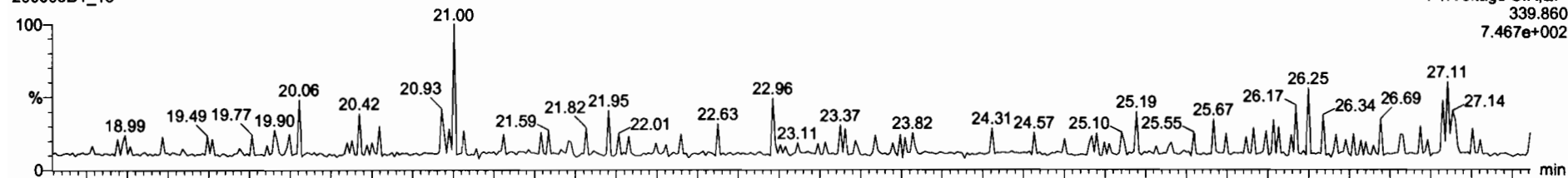
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Printed: Monday, June 08, 2020 15:45:54 Pacific Daylight Time

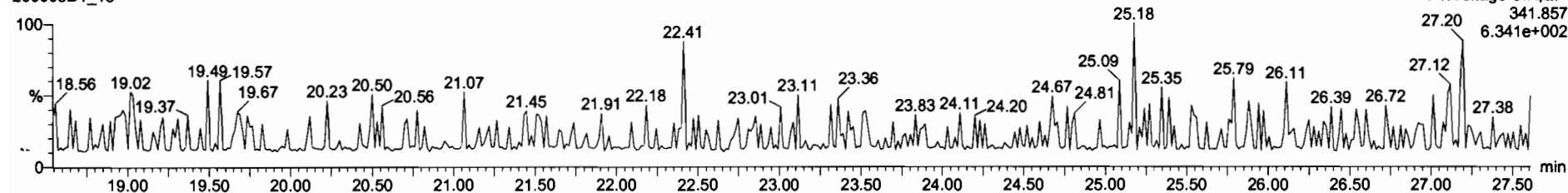
Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

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200605D1_13

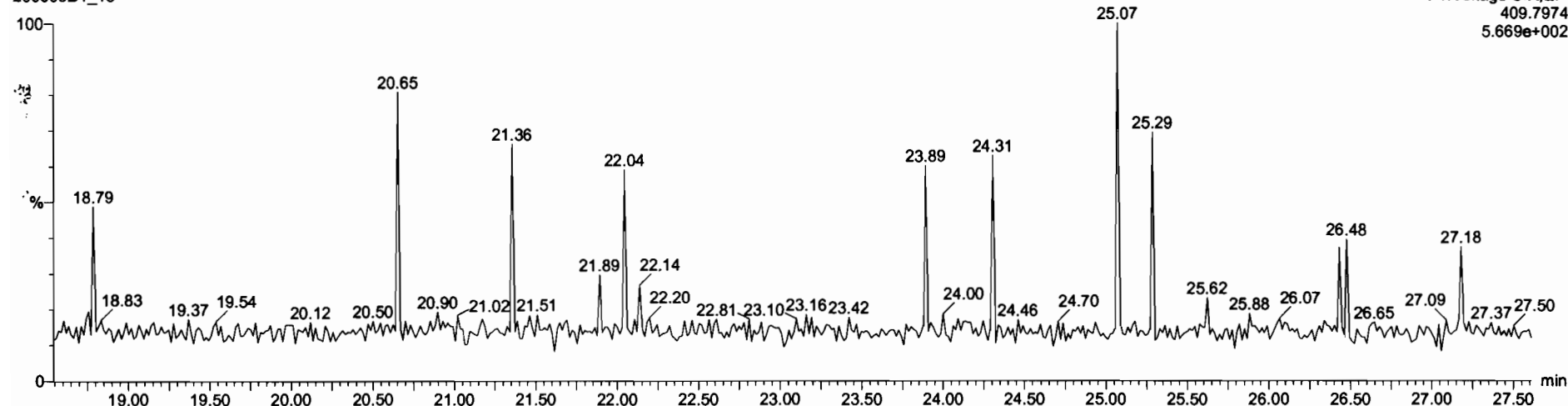


200605D1_13



DPE6

200605D1_13



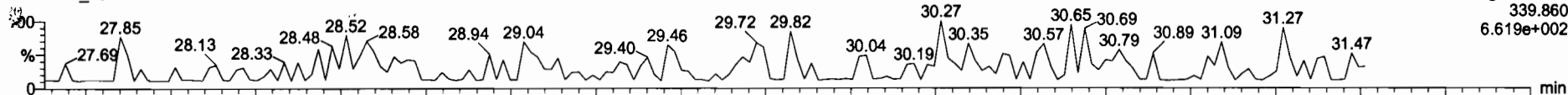
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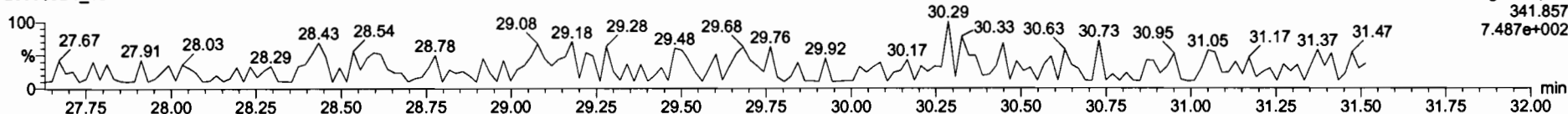
Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

1,2,3,7,8-PeCDF

200605D1_13

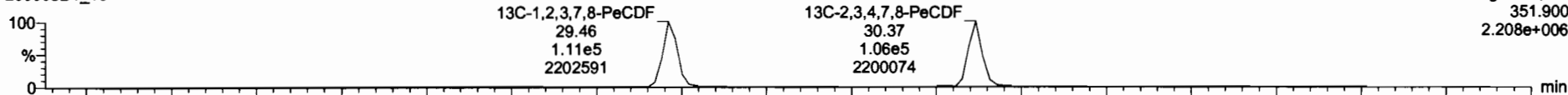


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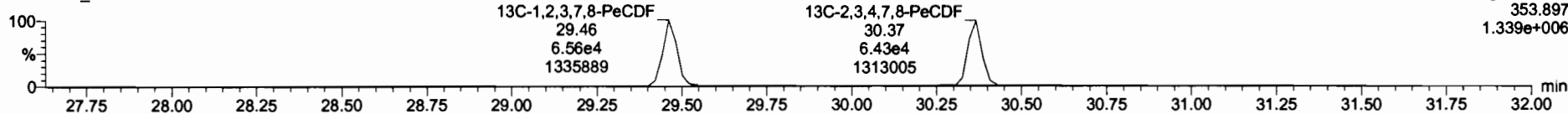


13C-1,2,3,7,8-PeCDF

200605D1_13

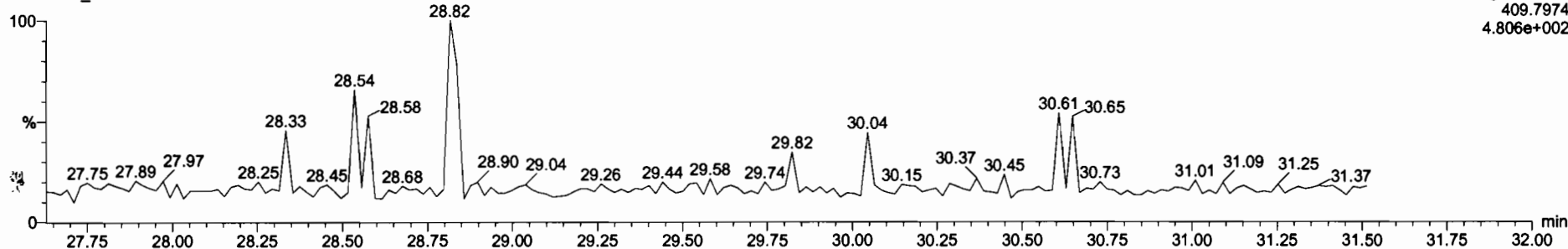


200605D1_13



DPE2

200605D1_13

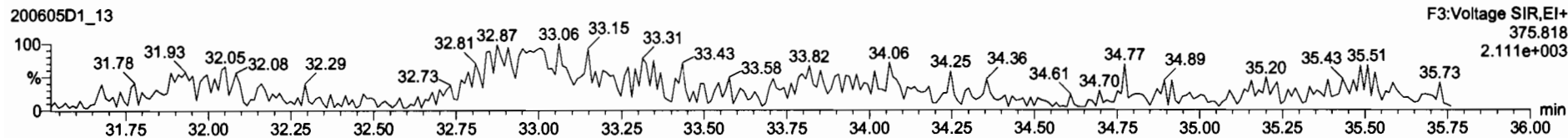
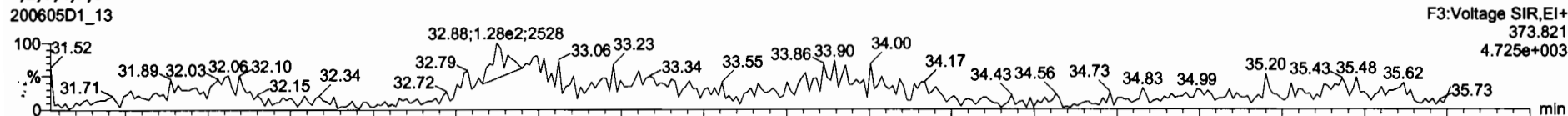


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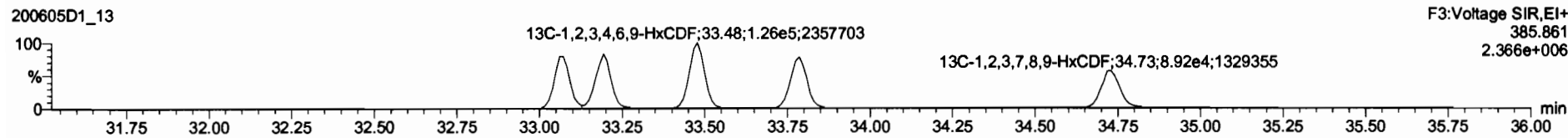
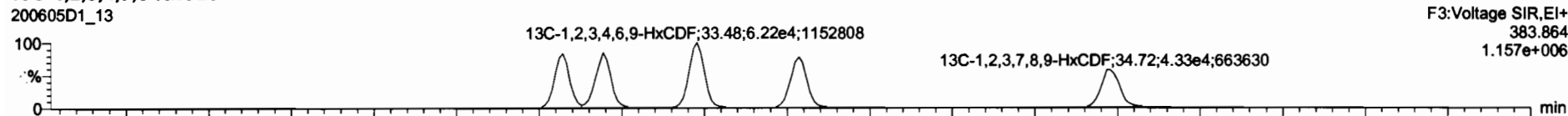
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Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428

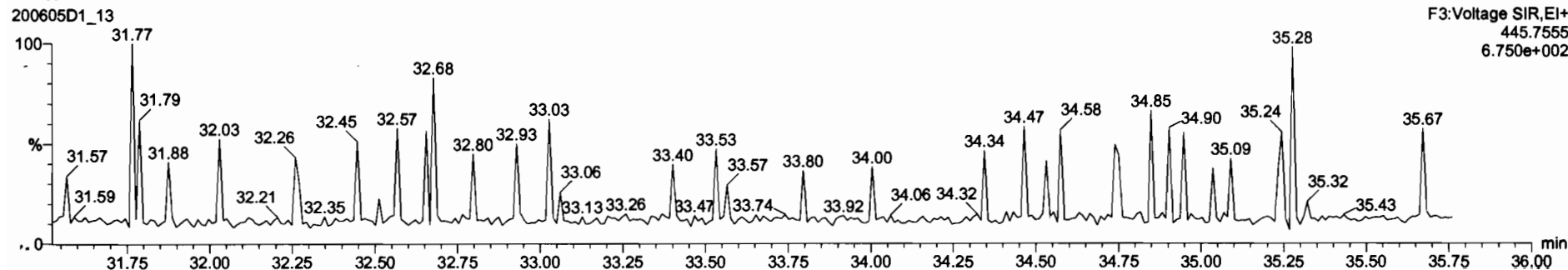
1,2,3,4,7,8-HxCDF



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



DPE3



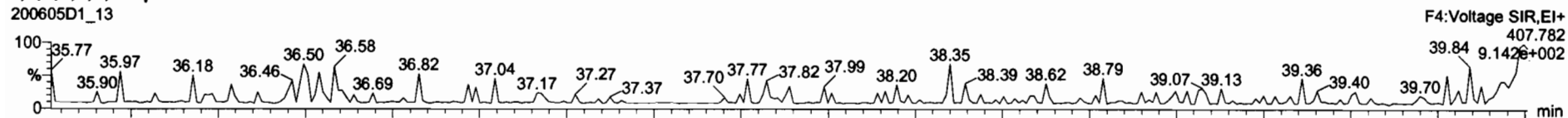
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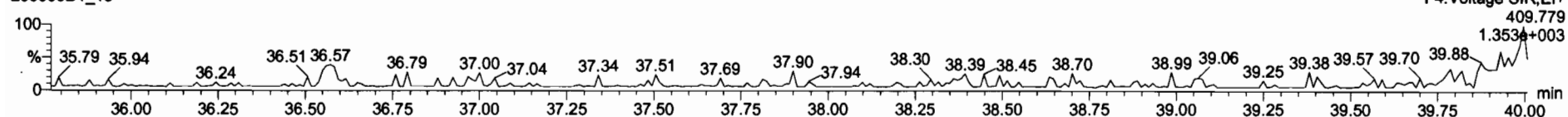
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1,2,3,4,6,7,8-HpCDF

200605D1_13

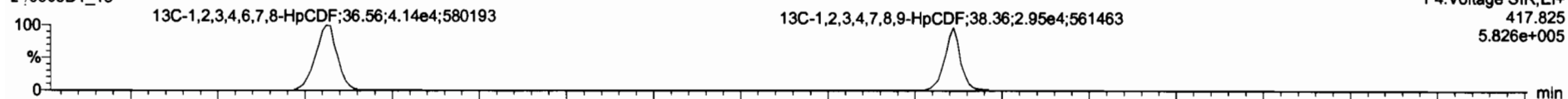


200605D1_13

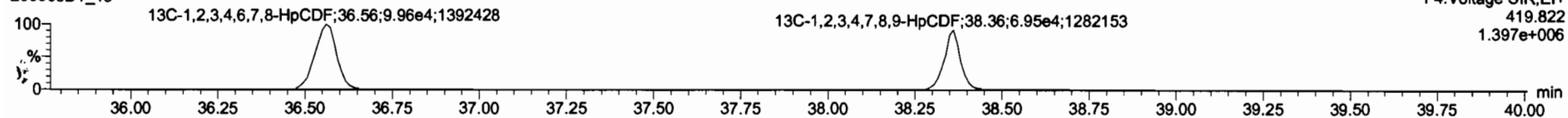


13C-1,2,3,4,6,7,8-HpCDF

200605D1_13

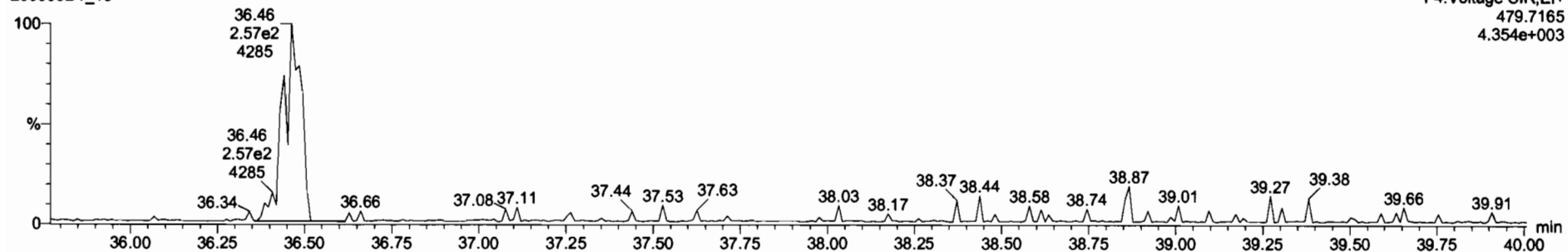


200605D1_13



DPE4

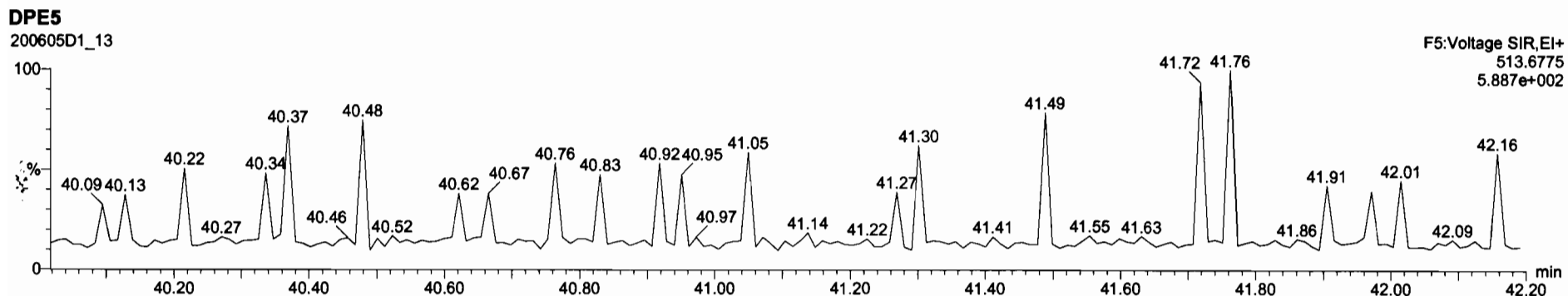
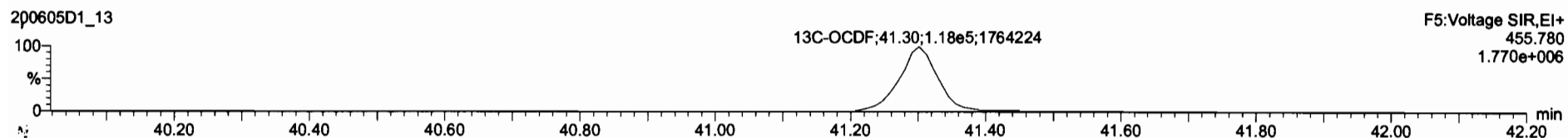
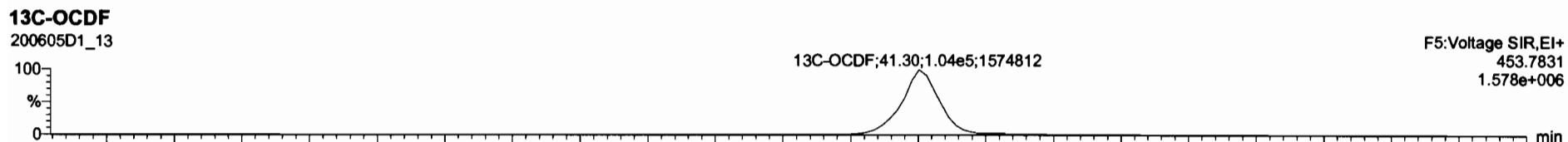
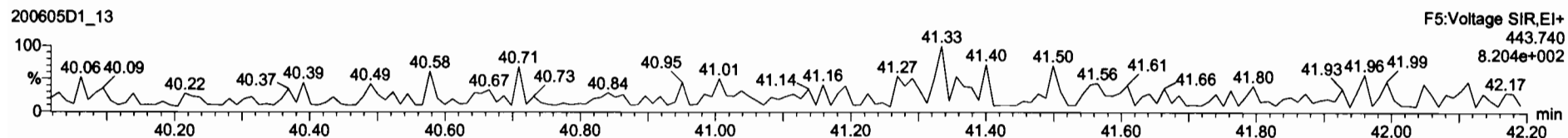
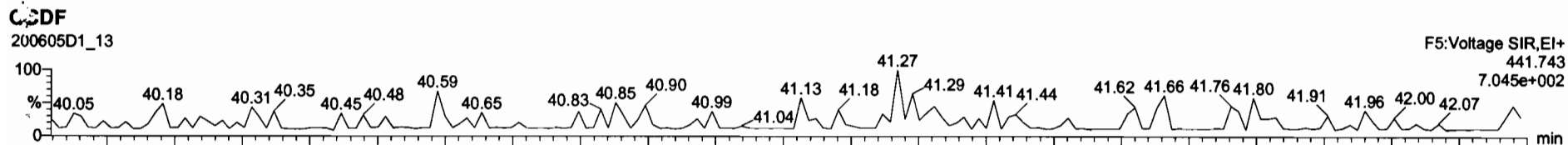
200605D1_13



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_13.qld

Last Altered: Monday, June 08, 2020 09:56:47 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:45:54 Pacific Daylight Time

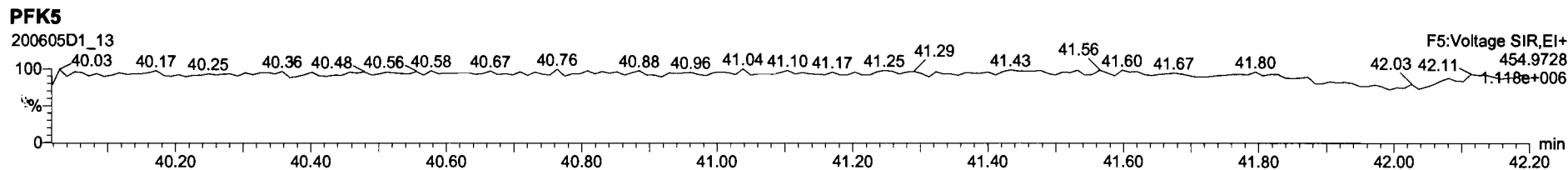
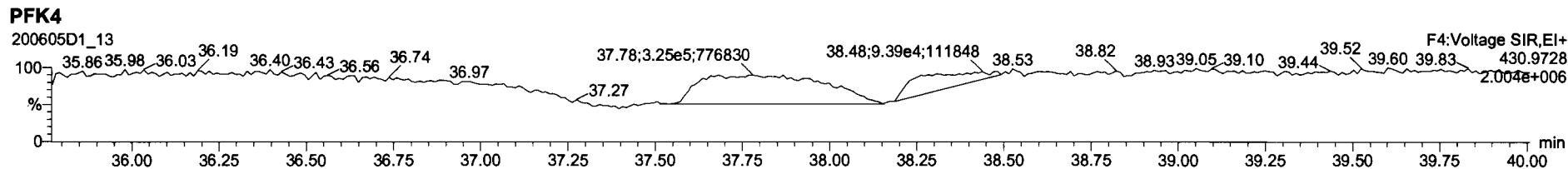
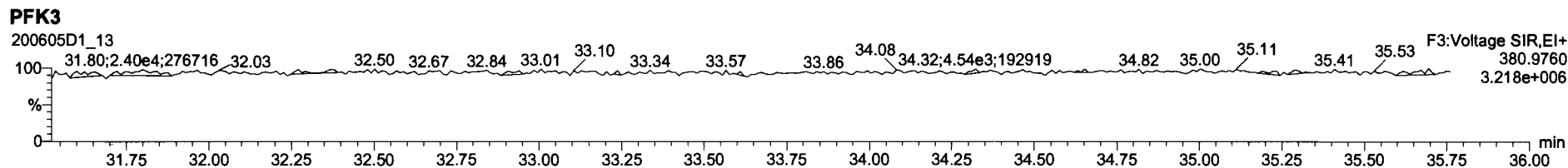
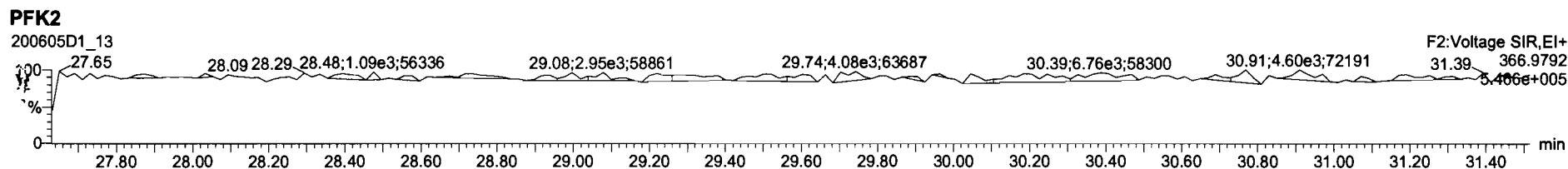
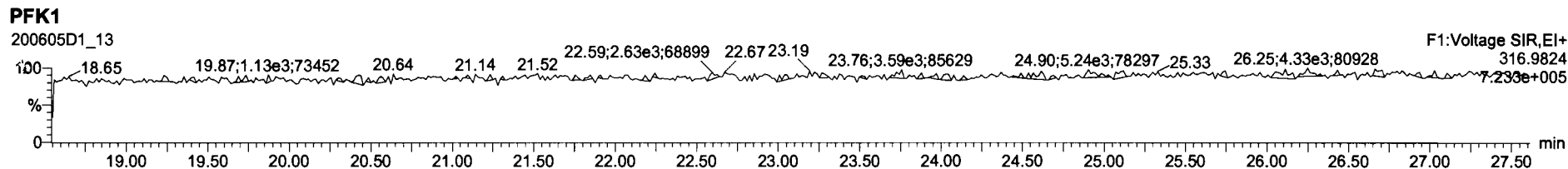
Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_13.qld

Last Altered: Monday, June 08, 2020 09:56:47 Pacific Daylight Time
Printed: Monday, June 08, 2020 15:45:54 Pacific Daylight Time

Name: 200605D1_13, Date: 05-Jun-2020, Time: 21:23:07, ID: 2000996-08 PDI-060SC-A-04-05-200428 16.12, Description: PDI-060SC-A-04-05-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld

Last Altered: Tuesday, June 09, 2020 13:48:29 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:49:25 Pacific Daylight Time

DB 6/9/20 C7 07/09/2020

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

Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428

1	2,3,7,8-TCDD			NO	0.987	10.061	26.142		1.001				0.362	
2	1,2,3,7,8-PeCDD			NO	0.982	10.061	30.670		1.001				0.317	
3	1,2,3,4,7,8-HxCDD			NO	1.17	10.061	33.971		1.000				0.283	
4	1,2,3,6,7,8-HxCDD			NO	1.04	10.061	34.070		1.000				0.270	
5	1,2,3,7,8,9-HxCDD			NO	1.00	10.061	34.390		1.001				0.227	
6	1,2,3,4,6,7,8-HpCDD	5.24e2	0.95	NO	0.992	10.061	37.845	37.83	1.000	1.000	1.2766		0.170	1.28
7	OCDD	2.96e3	0.97	NO	1.04	10.061	41.093	41.12	1.000	1.001	7.9424		0.236	7.94
8	2,3,7,8-TCDF	1.36e2	0.88	NO	0.882	10.061	25.341	25.33	1.001	1.001	0.42486		0.328	0.425
9	1,2,3,7,8-PeCDF			NO	1.05	10.061	29.502		1.001				0.238	
10	2,3,4,7,8-PeCDF			NO	1.06	10.061	30.397		1.001				0.224	
11	1,2,3,4,7,8-HxCDF			NO	1.08	10.061	33.072		1.000				0.804	
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.061	33.214		1.000				0.765	
13	2,3,4,6,7,8-HxCDF			NO	1.11	10.061	33.819		1.001				0.706	
14	1,2,3,7,8,9-HxCDF			NO	1.06	10.061	34.740		1.000				1.08	
15	1,2,3,4,6,7,8-HpCDF	1.04e2	1.21	YES	1.13	10.061	36.609	36.58	1.001	1.000	0.18453		0.0781	0.170
16	1,2,3,4,7,8,9-HpCDF			NO	1.33	10.061	38.372		1.000				0.142	
17	OCDF			NO	0.933	10.061	41.313		1.000				0.201	
18	13C-2,3,7,8-TCDD	5.48e4	0.78	NO	1.21	10.061	26.210	26.11	1.026	1.022	53.015	26.7	0.310	
19	13C-1,2,3,7,8-PeCDD	5.83e4	0.63	NO	0.996	10.061	30.706	30.65	1.202	1.200	68.427	34.4	0.208	
20	13C-1,2,3,4,7,8-HxCDD	6.14e4	1.35	NO	0.679	10.061	33.947	33.96	1.014	1.014	102.89	51.8	0.701	
21	13C-1,2,3,6,7,8-HxCDD	7.54e4	1.34	NO	0.850	10.061	34.057	34.07	1.017	1.018	100.86	50.7	0.560	
22	13C-1,2,3,7,8,9-HxCDD	9.62e4	1.27	NO	0.798	10.061	34.328	34.36	1.025	1.026	137.07	69.0	0.596	
23	13C-1,2,3,4,6,7,8-HpCDD	8.23e4	1.11	NO	0.697	10.061	37.797	37.83	1.129	1.130	134.32	67.6	0.608	
24	13C-OCDD	1.43e5	0.91	NO	0.579	10.061	40.823	41.09	1.219	1.227	281.49	70.8	0.493	
25	13C-2,3,7,8-TCDF	7.23e4	0.77	NO	1.13	10.061	25.291	25.32	0.990	0.991	45.232	22.8	0.365	
26	13C-1,2,3,7,8-PeCDF	8.96e4	1.64	NO	0.996	10.061	29.524	29.48	1.156	1.154	63.393	31.9	0.315	
27	13C-2,3,4,7,8-PeCDF	8.22e4	1.58	NO	0.969	10.061	30.425	30.37	1.191	1.189	59.800	30.1	0.324	
28	13C-1,2,3,4,7,8-HxCDF	8.68e4	0.48	NO	1.06	10.061	33.076	33.07	0.988	0.988	93.284	46.9	0.509	
29	13C-1,2,3,6,7,8-HxCDF	9.61e4	0.48	NO	1.18	10.061	33.210	33.20	0.992	0.992	93.008	46.8	0.458	
30	13C-2,3,4,6,7,8-HxCDF	1.05e5	0.49	NO	1.06	10.061	33.783	33.78	1.009	1.009	112.46	56.6	0.510	
31	13C-1,2,3,7,8,9-HxCDF	8.45e4	0.50	NO	0.879	10.061	34.683	34.74	1.036	1.038	109.30	55.0	0.613	

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld

Last Altered: Tuesday, June 09, 2020 13:48:29 Pacific Daylight Time
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Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428

	FA	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF	RF
32 13C-1,2,3,4,6,7,8-HpCDF	9.88e4	0.42	NO	0.893	10.061	36.391	36.57	1.087	1.092	125.92	63.3	0.531	
33 13C-1,2,3,4,7,8,9-HpCDF	6.73e4	0.43	NO	0.613	10.061	38.399	38.37	1.147	1.146	124.71	62.7	0.773	
34 13C-OCDF	1.77e5	0.89	NO	0.741	10.061	40.977	41.31	1.224	1.234	271.00	68.2	0.542	
35 37Cl-2,3,7,8-TCDD	2.12e4			1.18	10.061	26.208	26.13	1.026	1.023	20.996	26.4	0.0743	
36 13C-1,2,3,4-TCDD	1.70e5	0.80	NO	1.00	10.061	25.480	25.55	1.000	1.000	198.79	100	0.374	
37 13C-1,2,3,4-TCDF	2.82e5	0.76	NO	1.00	10.061	24.020	24.09	1.000	1.000	198.79	100	0.411	
38 13C-1,2,3,4,6,9-HxCDF	1.75e5	0.50	NO	1.00	10.061	33.530	33.48	1.000	1.000	198.79	100	0.539	
39 Total Tetra-Dioxins				0.987	10.061	24.620		0.000				0.217	
40 Total Penta-Dioxins				0.982	10.061	29.960		0.000				0.149	
41 Total Hexa-Dioxins				1.04	10.061	33.635		0.000		1.7825		0.263	1.78
42 Total Hepta-Dioxins				0.992	10.061	37.640		0.000		3.4507		0.170	3.45
43 Total Tetra-Furans				0.882	10.061	23.610		0.000		1.4563		0.328	1.85
44 1st Func. Penta-Furans				1.05	10.061	27.090		0.000				0.0290	
45 Total Penta-Furans				1.05	10.061	29.275		0.000				0.114	
46 Total Hexa-Furans				1.11	10.061	33.555		0.000				0.485	
47 Total Hepta-Furans				1.13	10.061	37.835		0.000		0.00000		0.0874	0.170

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Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld

Last Altered: Tuesday, June 09, 2020 13:48:29 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 13:49:25 Pacific Daylight Time

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

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

Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428

Tetra-Dioxins

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp
[Redacted]					

Penta-Dioxins

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp
[Redacted]					

Hexa-Dioxins

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Area	Area %	Area Ratio	Area Ratio %		
Total Hexa-Dioxins	32.45	5.170e3	4.179e3	2.404e2	1.833e2	1.31	NO	4.237e2	1.0467	1.0467	0.263
Total Hexa-Dioxins	33.02	1.180e3	9.180e2	6.265e1	4.767e1	1.31	NO	1.103e2	0.27253	0.27253	0.263
Total Hexa-Dioxins	33.27	1.999e3	1.505e3	1.065e2	8.107e1	1.31	NO	1.875e2	0.46330	0.46330	0.263

Hepta-Dioxins

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Area	Area %	Area Ratio	Area Ratio %		
Total Hepta-Dioxins	36.99	7.619e3	5.906e3	4.646e2	4.281e2	1.09	NO	8.926e2	2.1740	2.1740	0.170
1,2,3,4,6,7,8-HpCDD	37.83	4.781e3	4.422e3	2.550e2	2.692e2	0.95	NO	5.242e2	1.2766	1.2766	0.170

Tetra-Furans

	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	Area	Area %	Area Ratio	Area Ratio %		
Total Tetra-Furans	21.74	2.178e3	1.875e3	1.466e2	1.844e2	0.79	NO	3.310e2	1.0314	1.0314	0.328
Total Tetra-Furans	24.54	1.080e3	1.684e3	7.525e1	7.053e1	1.07	YES	0.000e0	0.00000	0.38899	0.328
2,3,7,8-TCDF	25.33	1.191e3	1.636e3	6.363e1	7.271e1	0.88	NO	1.363e2	0.42486	0.42486	0.328

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld
Last Altered: Tuesday, June 09, 2020 13:48:29 Pacific Daylight Time
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Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428

Penta-Furans function 1

Peak No.	RT	Height	Area	Height	Area	Height	Area	Height	Area	Height	Area	Height	Area
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Penta-Furans

Peak No.	RT	Height	Area	Height	Area	Height	Area	Height	Area	Height	Area	Height	Area
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Hexa-Furans

Peak No.	RT	Height	Area	Height	Area	Height	Area	Height	Area	Height	Area	Height	Area
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Hepta-Furans

Peak No.	RT	Height	Area	Height	Area	Height	Area	Height	Area	Height	Area	Height	Area
1,2,3,4,6,7,8-HpCDF	36.58	1.169e3	1.191e3	5.674e1	4.676e1	1.21	YES	1.035e2	0.00000	0.17006	0.0781		

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld

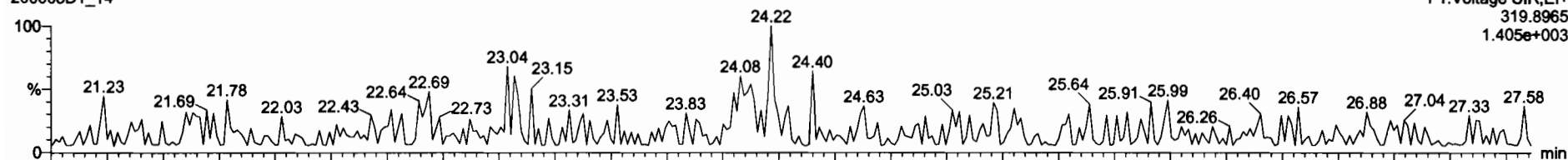
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Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

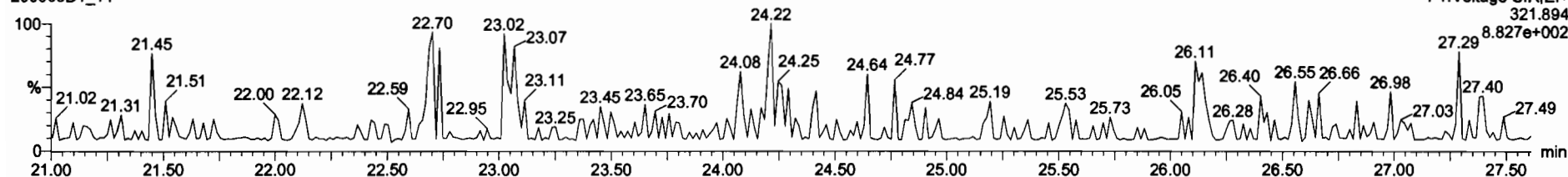
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2,3,7,8-TCDD

200605D1_14

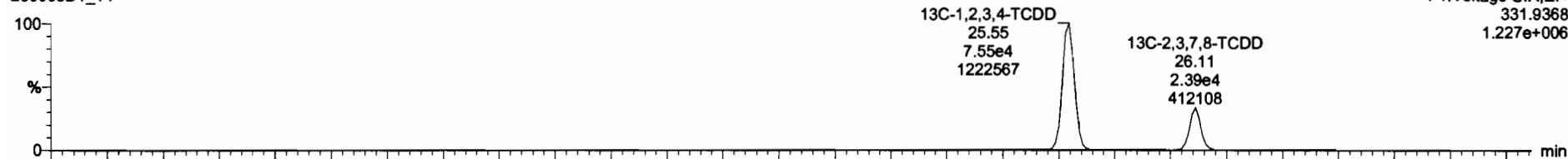


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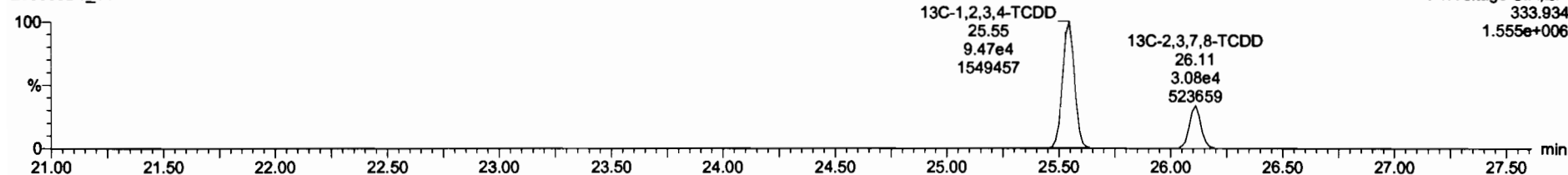


13C-2,3,7,8-TCDD

200605D1_14



200605D1_14



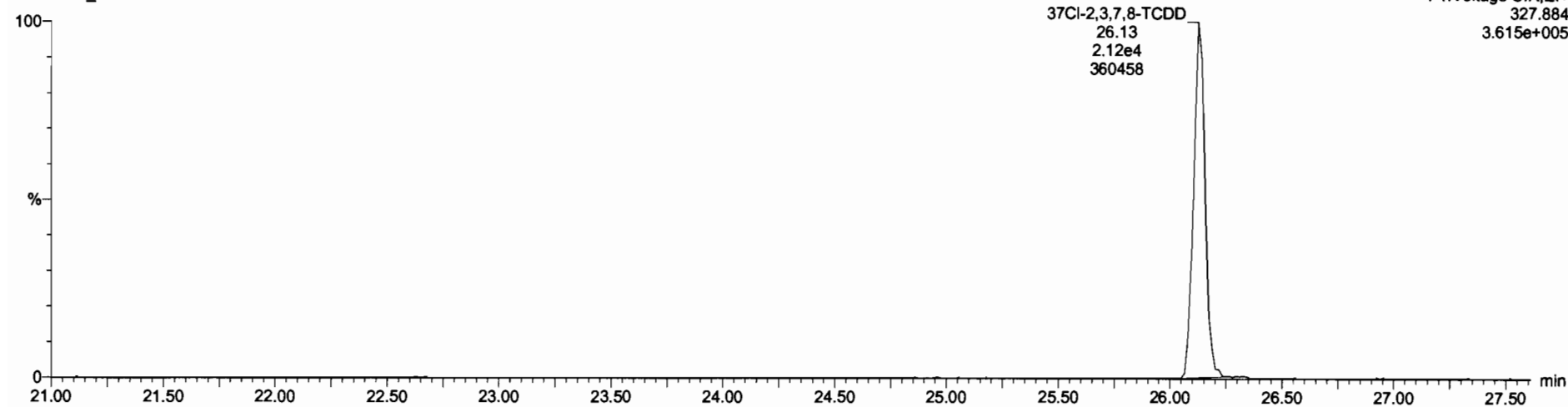
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Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428

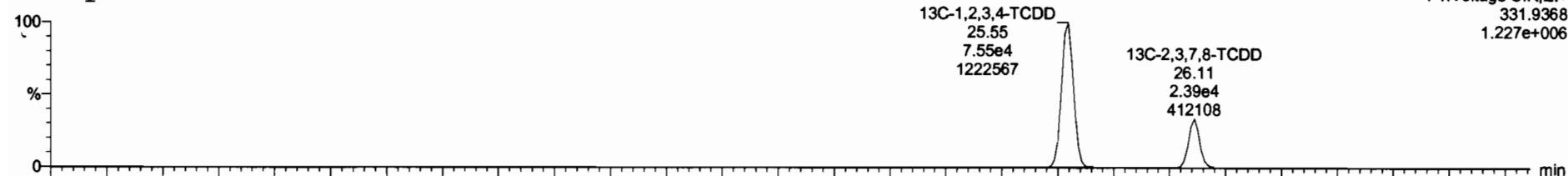
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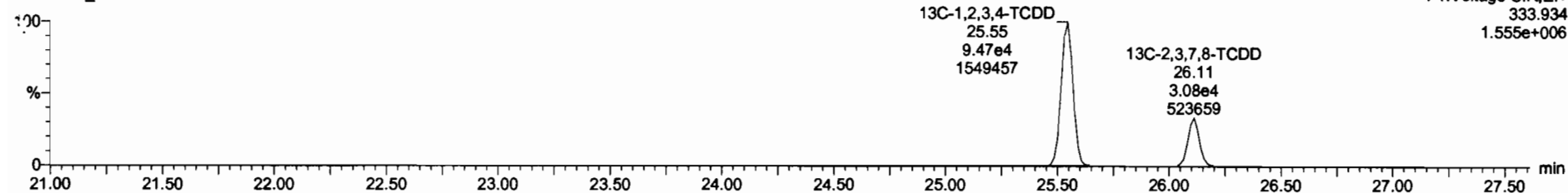


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200605D1_14



200605D1_14



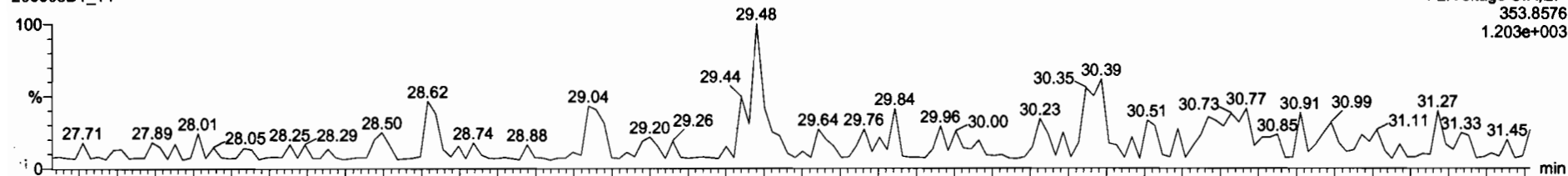
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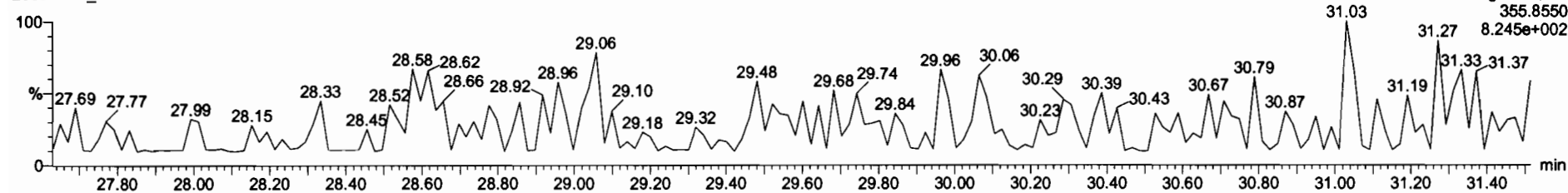
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1,2,3,7,8-PeCDD

200605D1_14

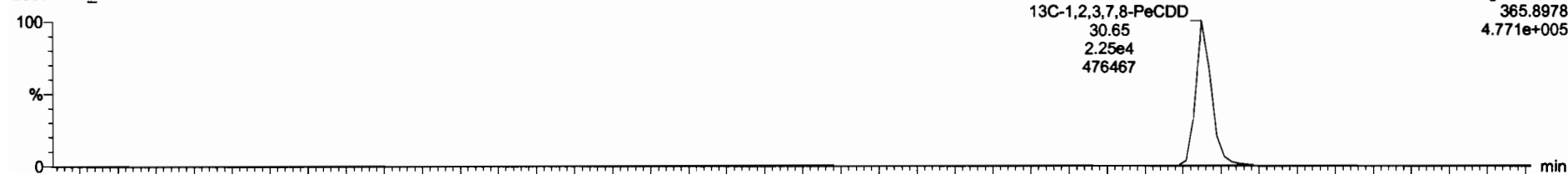


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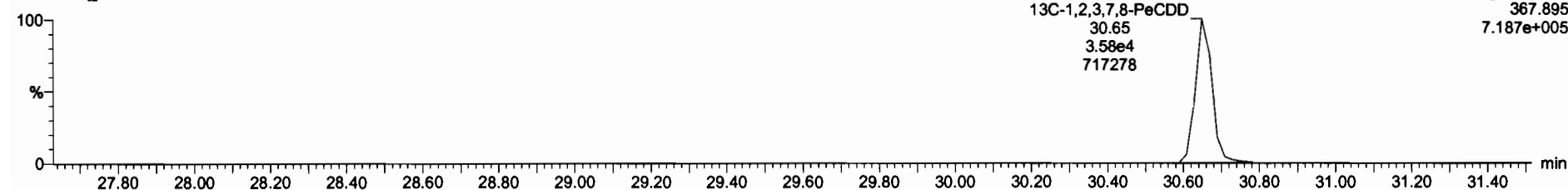


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200605D1_14

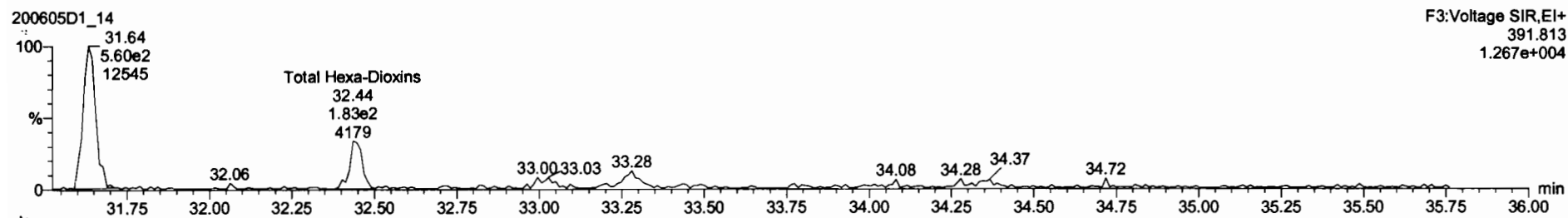
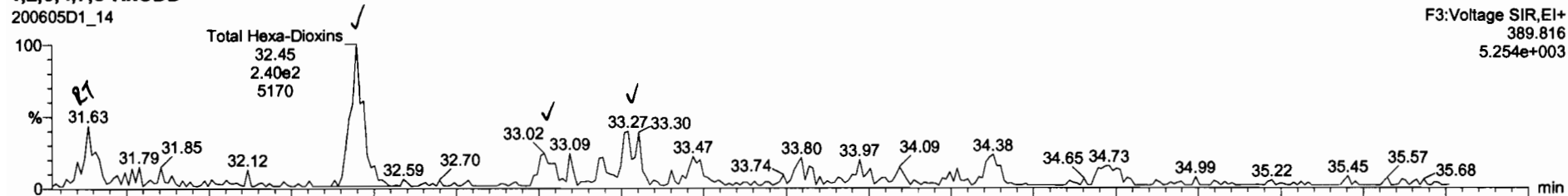


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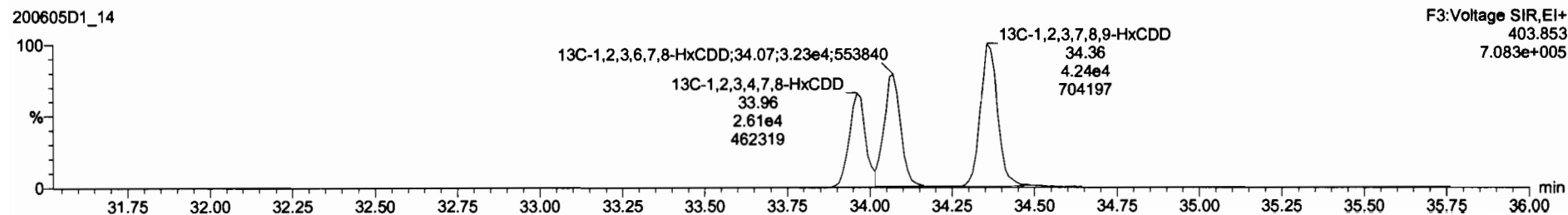
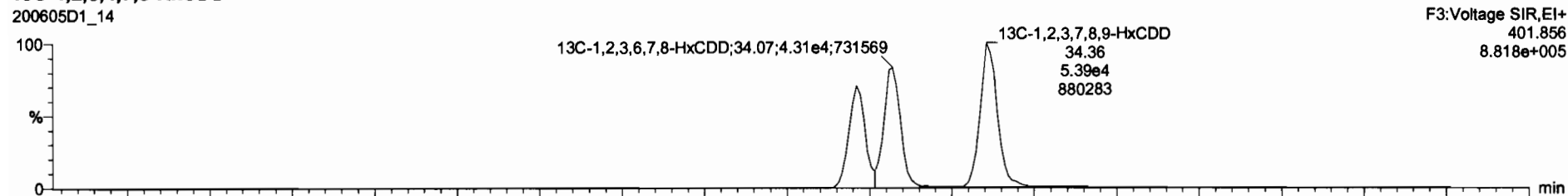
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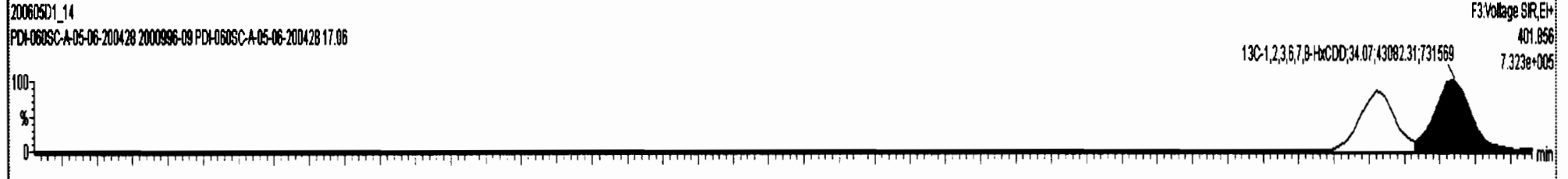
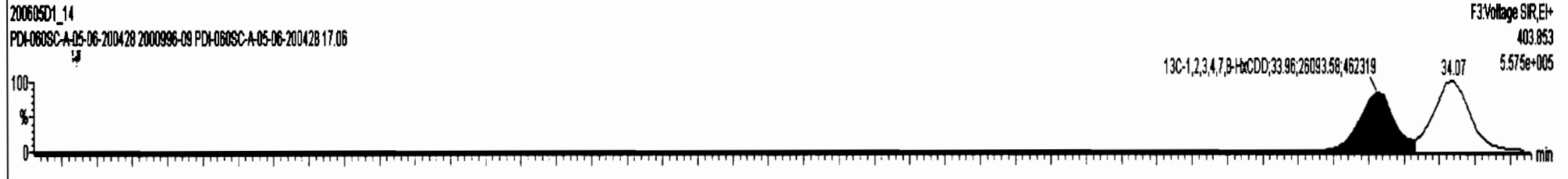
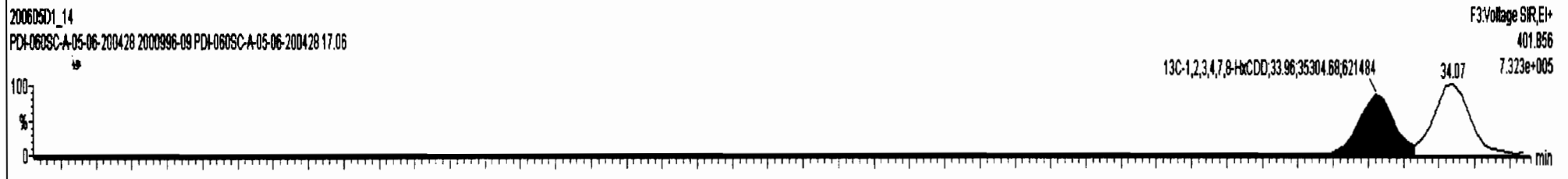
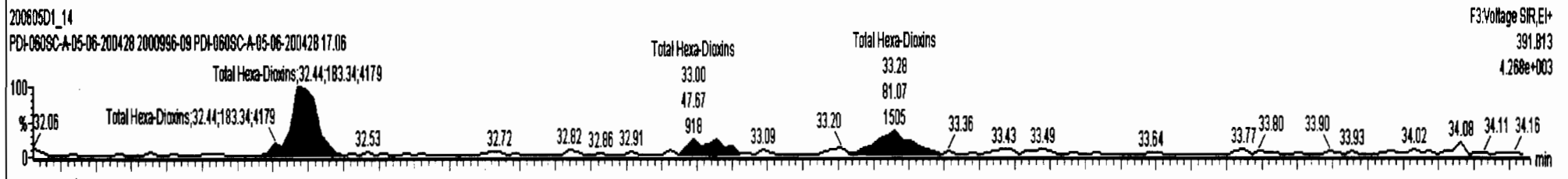
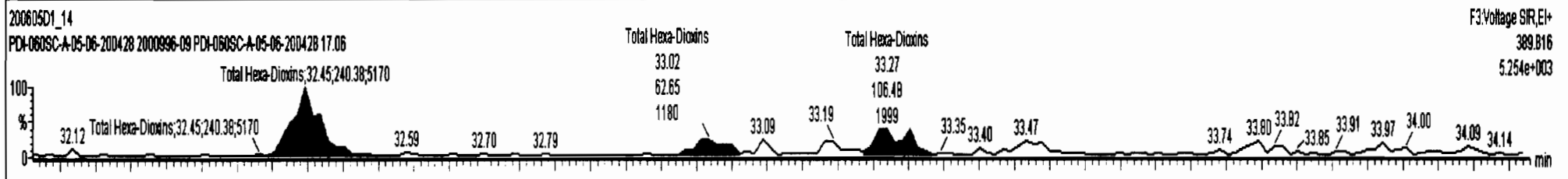
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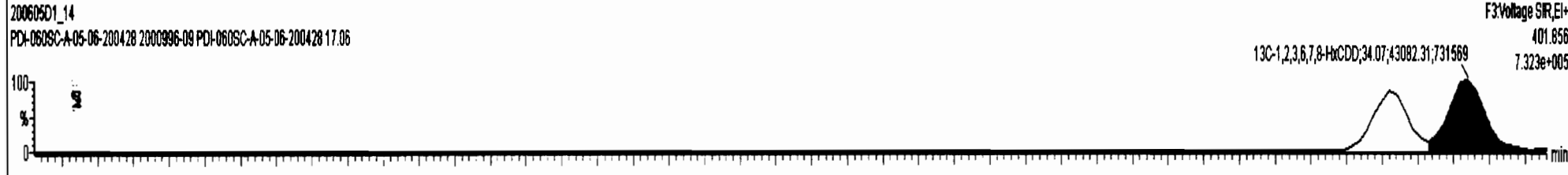
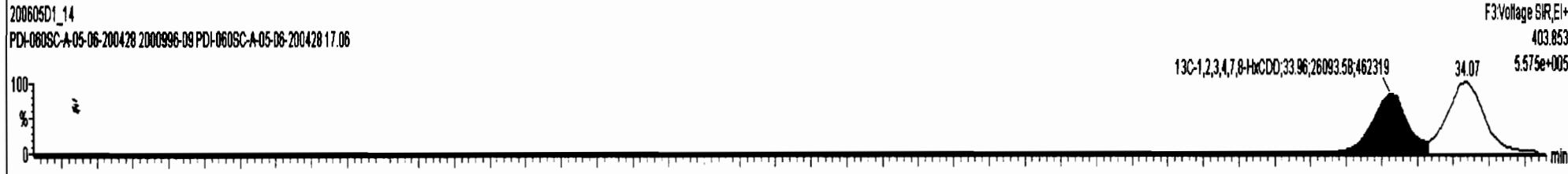
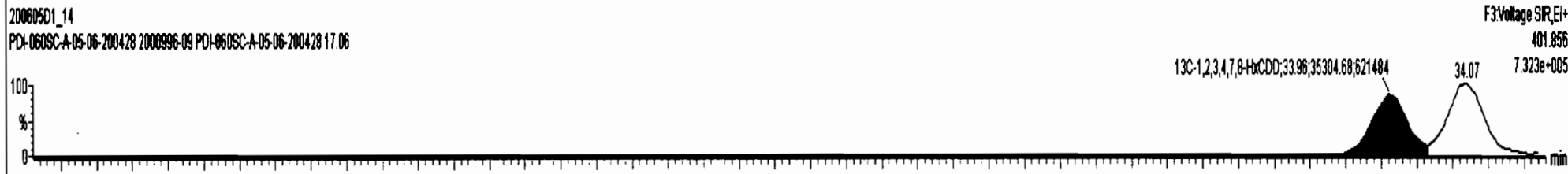
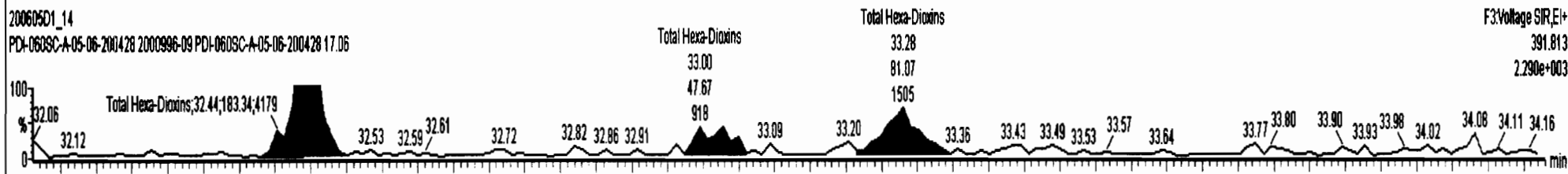
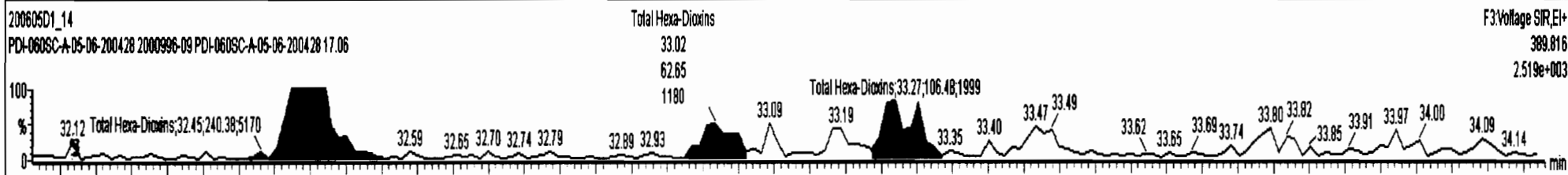
1,2,3,4,7,8-HxCDD



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





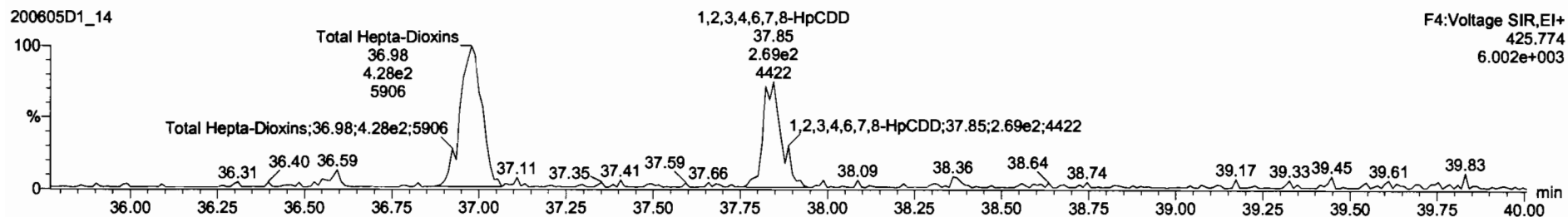
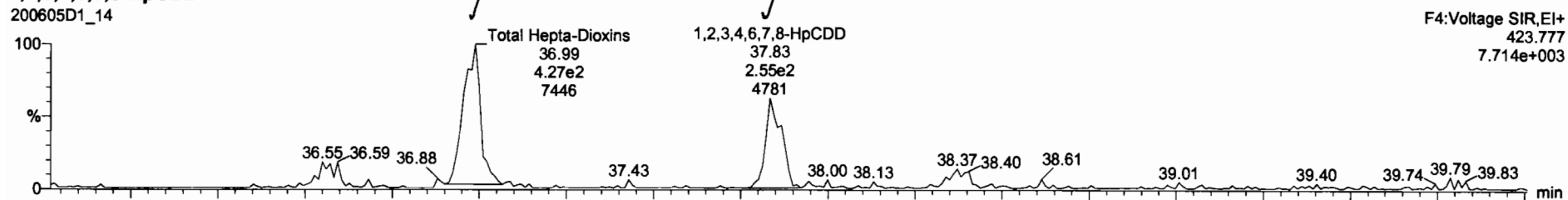


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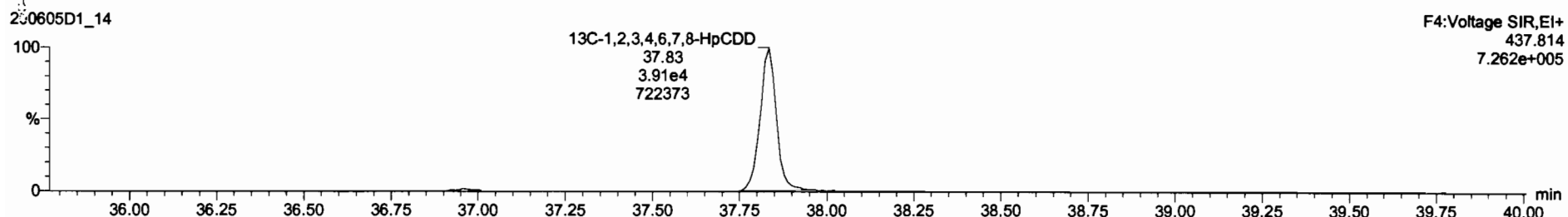
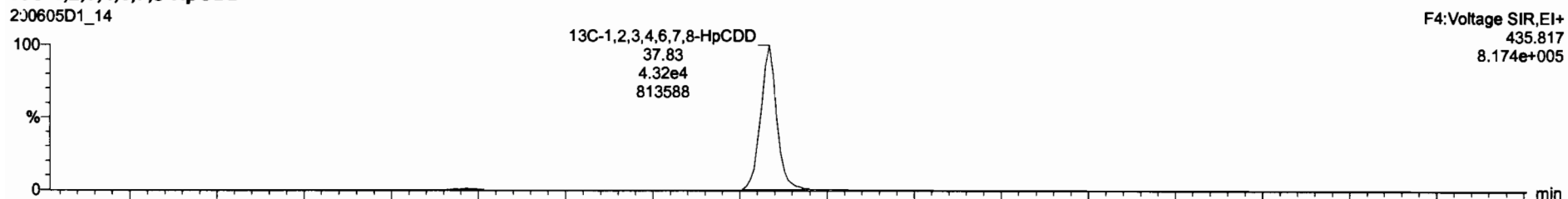
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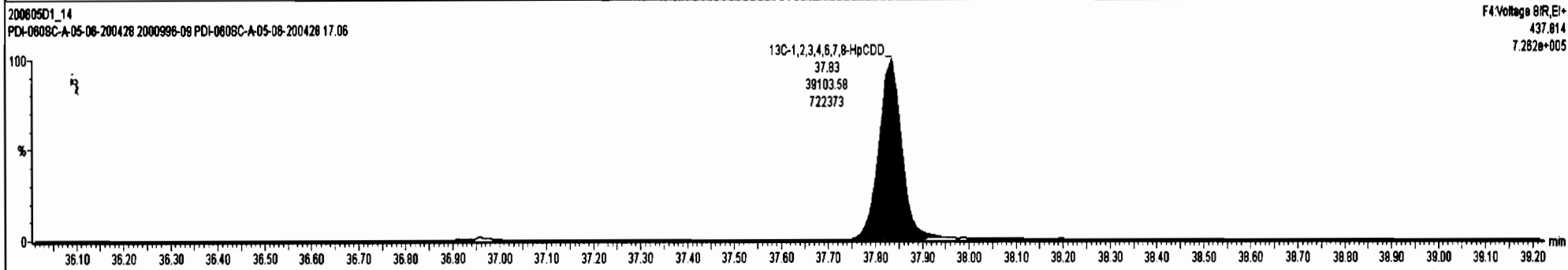
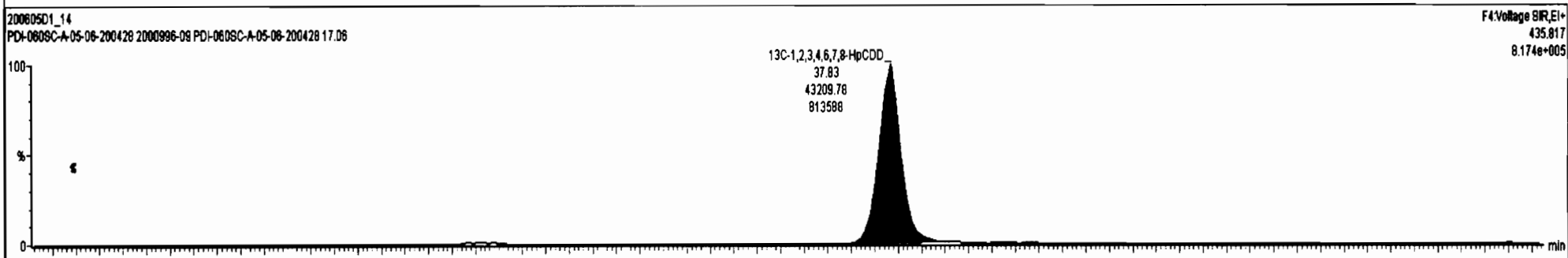
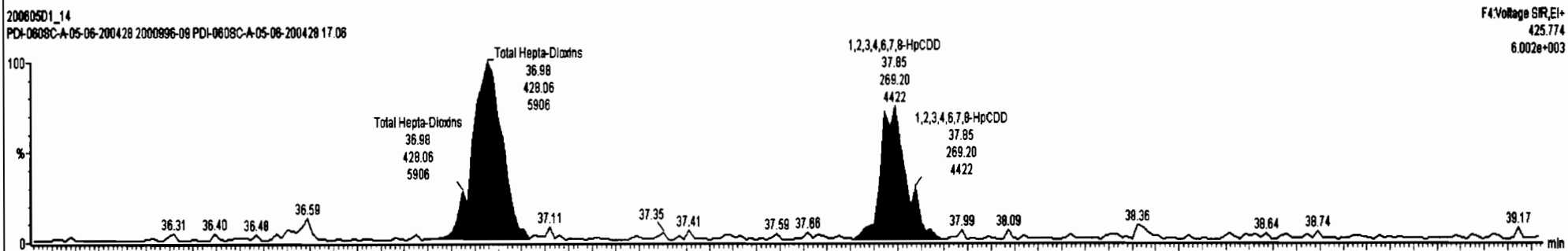
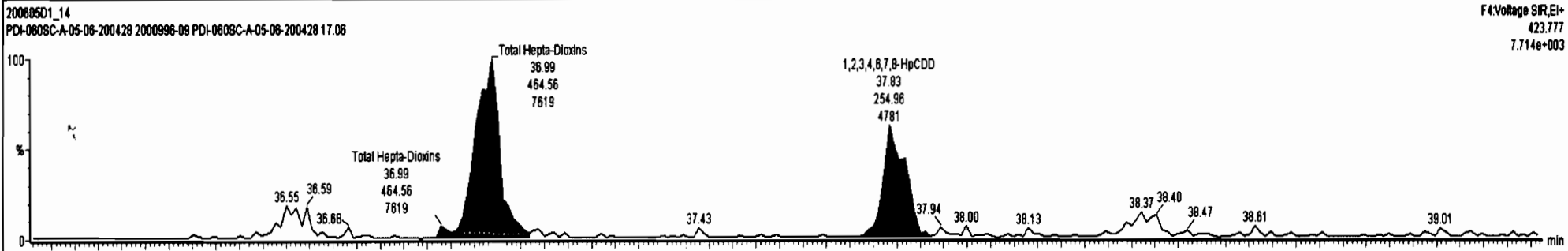
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1,2,3,4,6,7,8-HpCDD



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

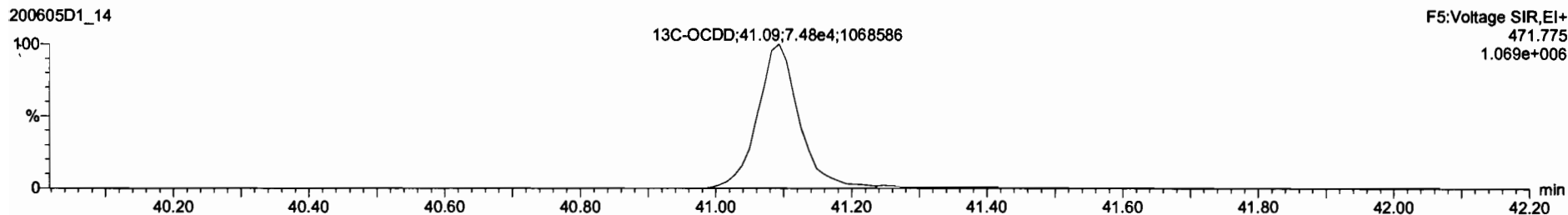
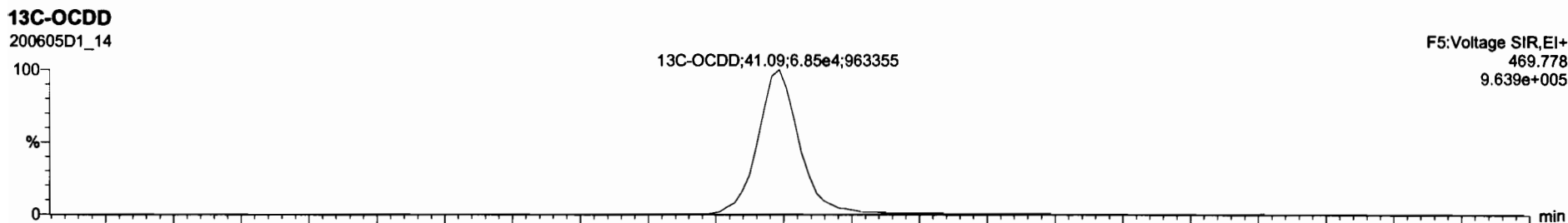
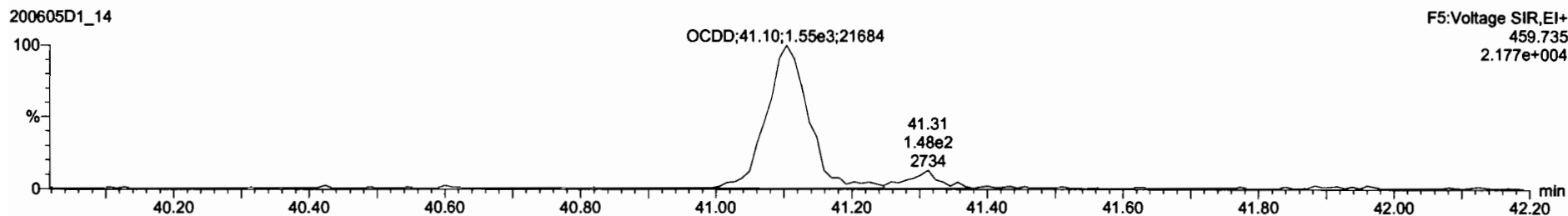
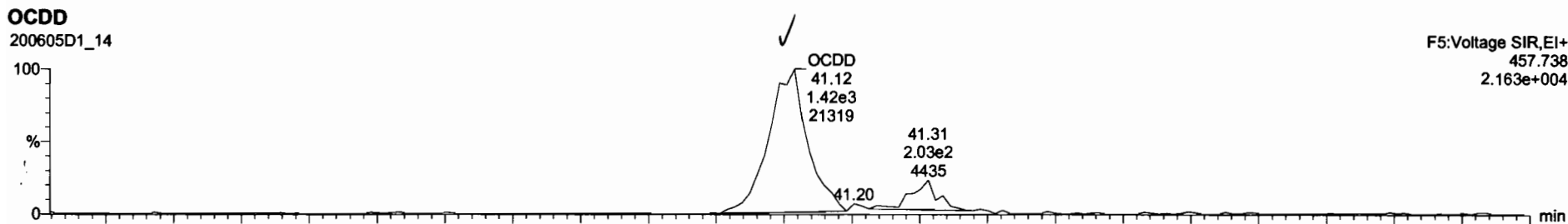


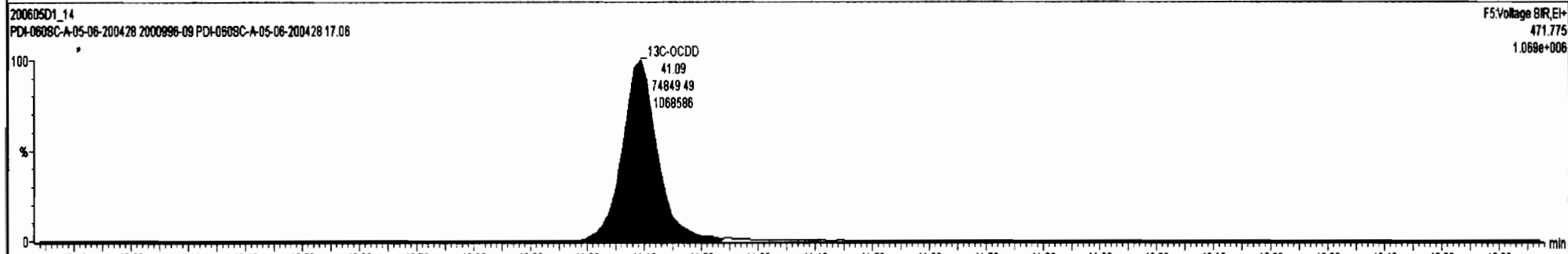
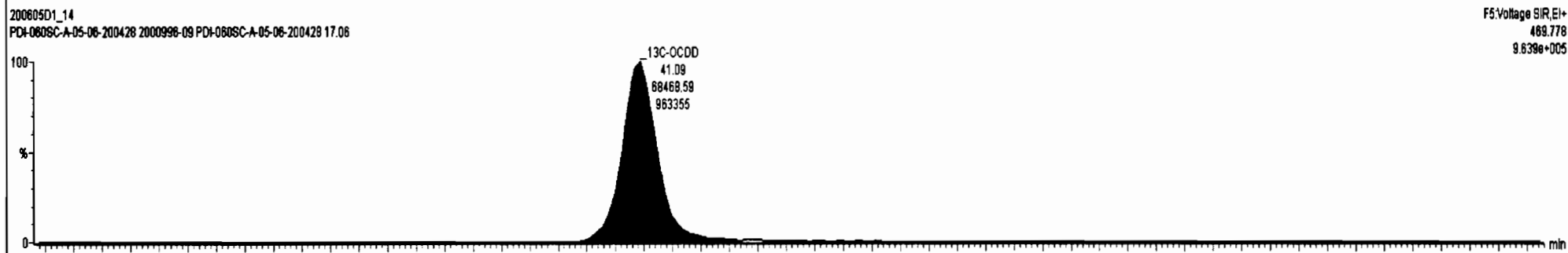
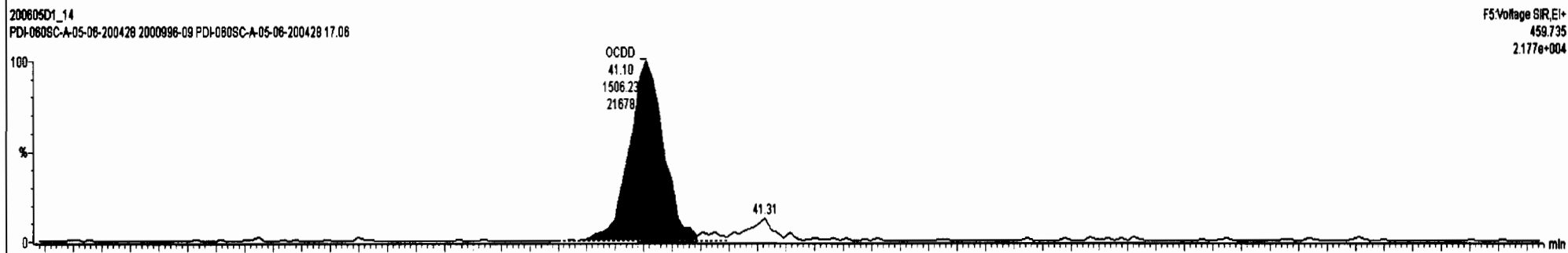
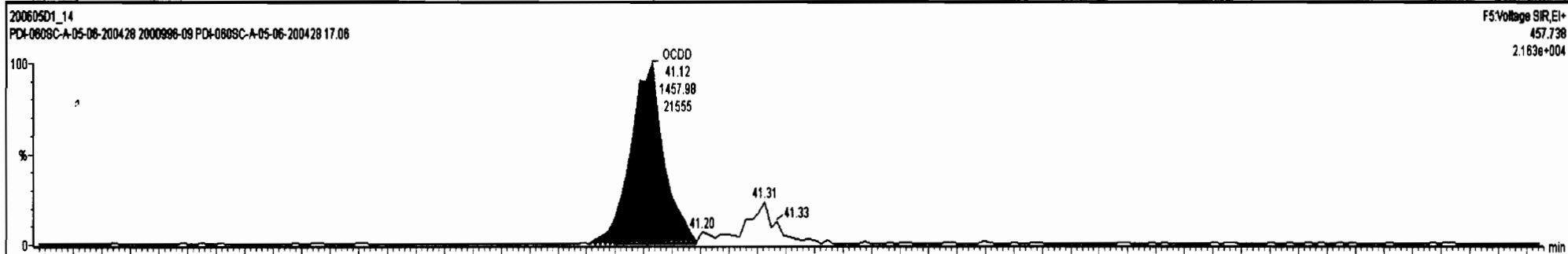


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Last Altered: Monday, June 08, 2020 09:57:45 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:36:50 Pacific Daylight Time

Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428





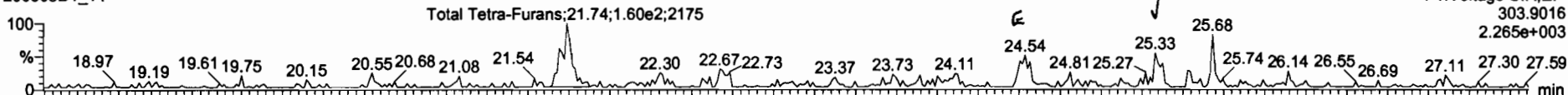
Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld

Last Altered: Monday, June 08, 2020 09:57:45 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:36:50 Pacific Daylight Time

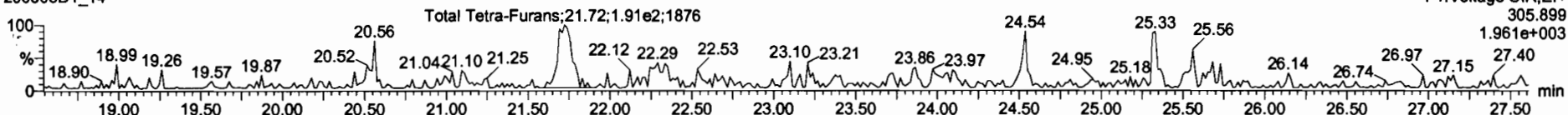
Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428

2,3,7,8-TCDF

200605D1_14

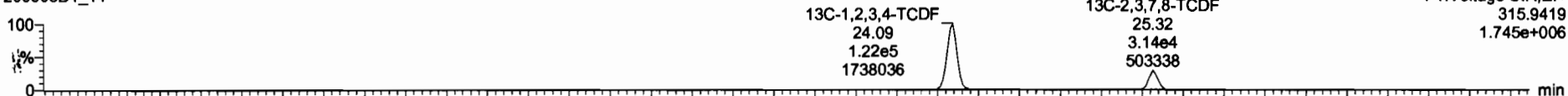


200605D1_14

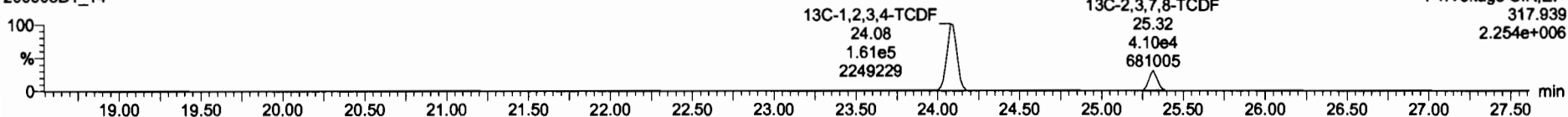


13C-2,3,7,8-TCDF

200605D1_14

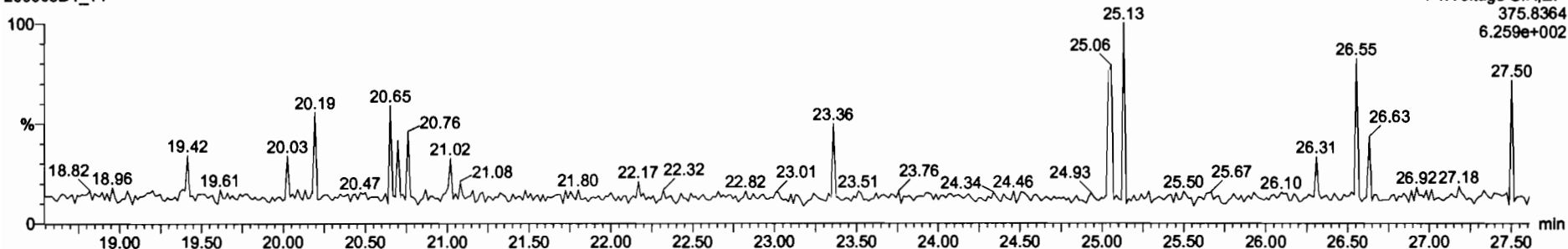


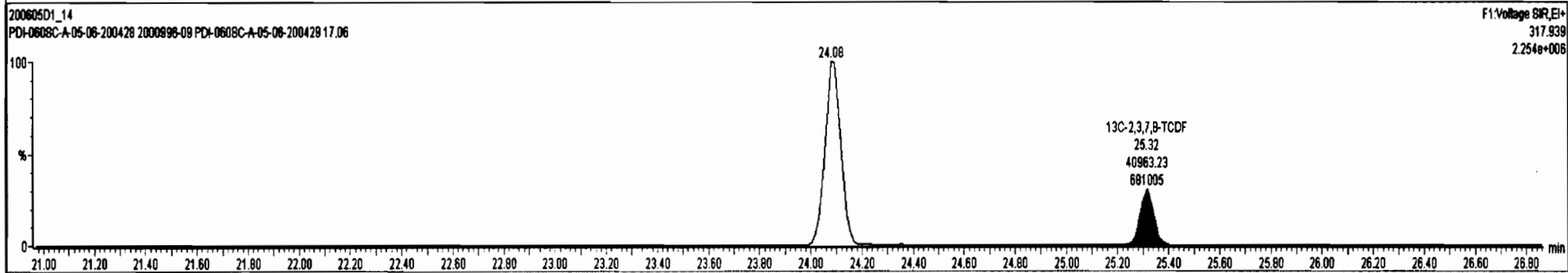
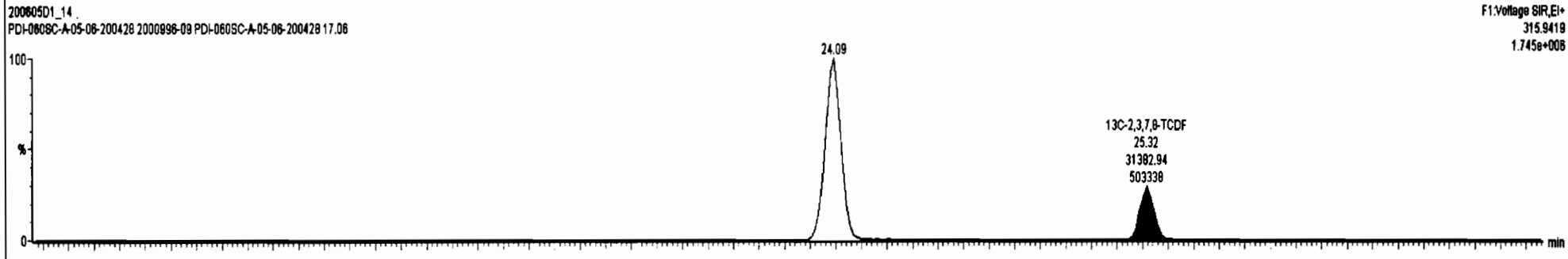
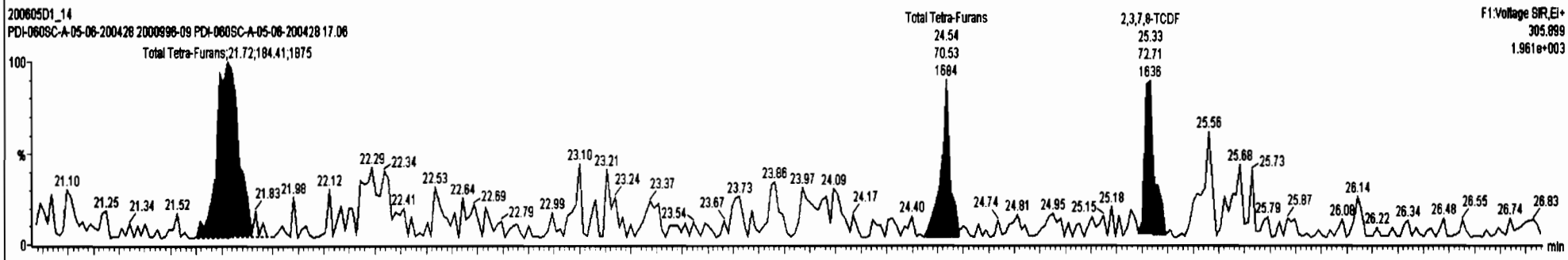
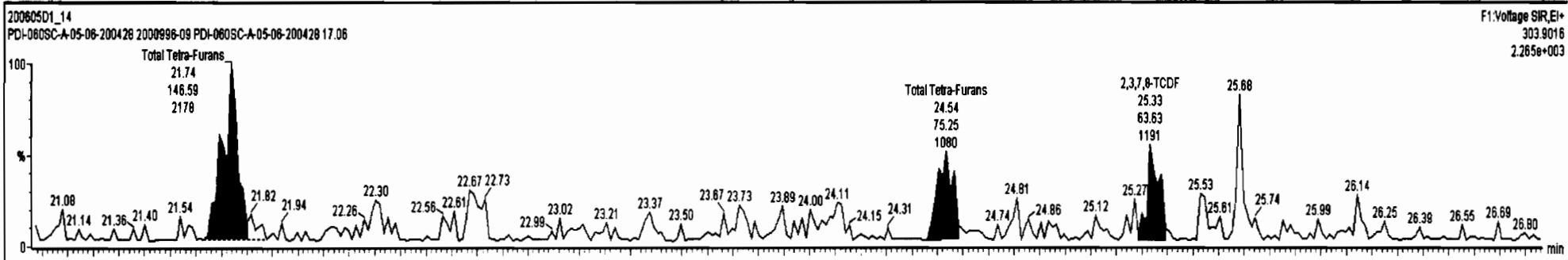
200605D1_14



DPE1

200605D1_14





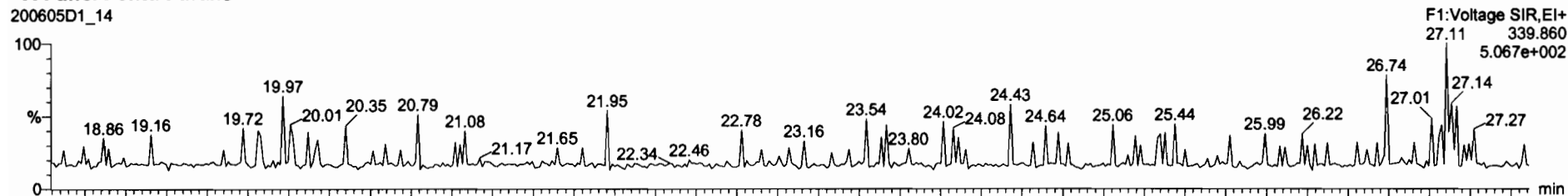
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Printed: Tuesday, June 09, 2020 13:36:50 Pacific Daylight Time

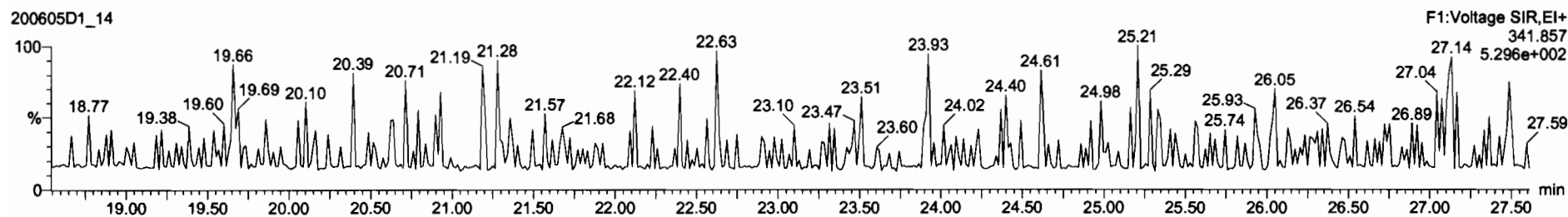
Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428

1st Func. Penta-Furans

200605D1_14

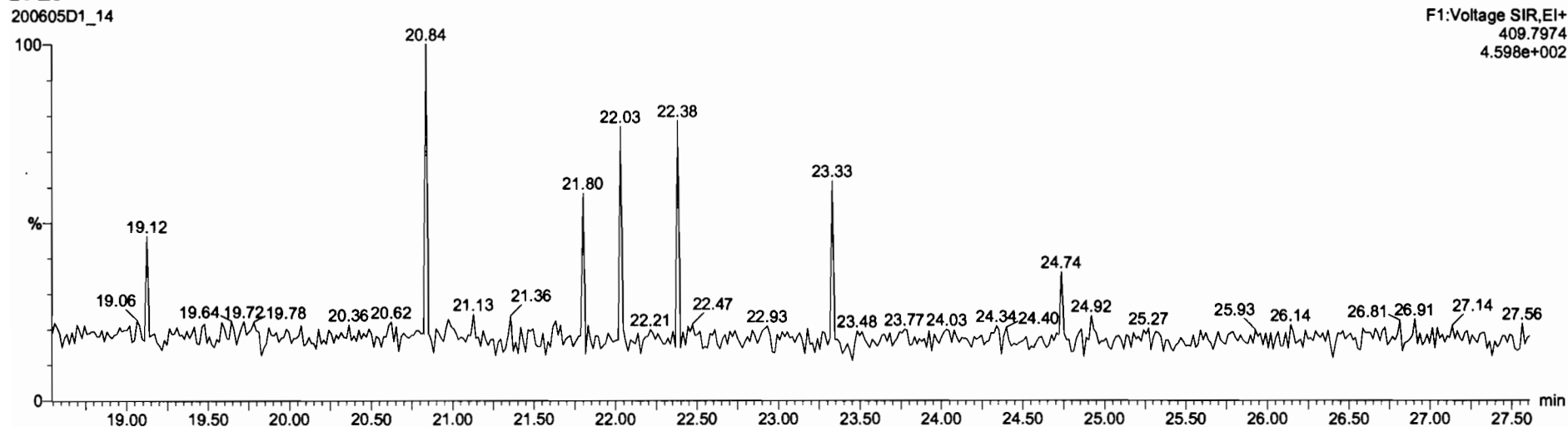


200605D1_14



DPE6

200605D1_14

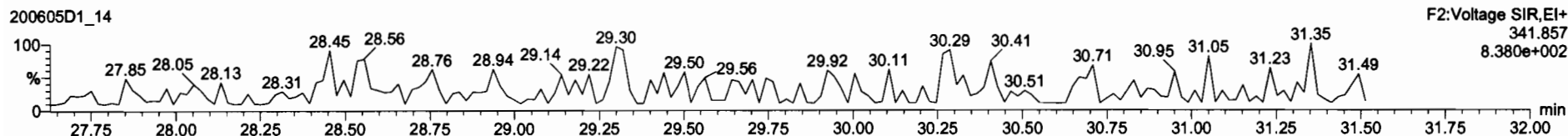
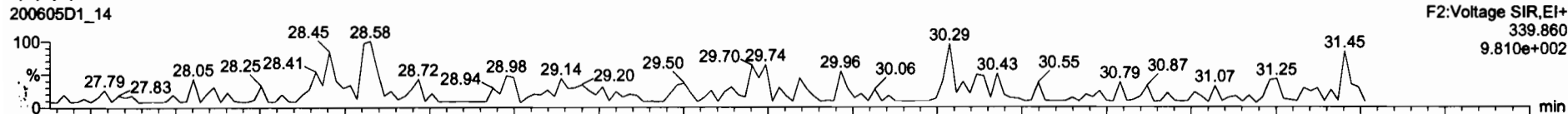


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld

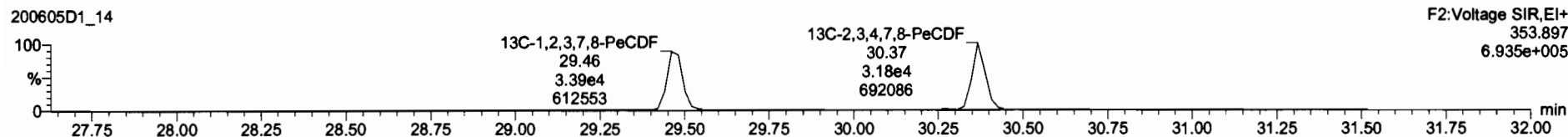
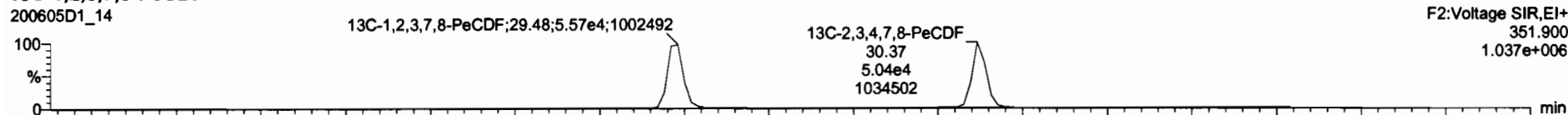
Last Altered: Monday, June 08, 2020 09:57:45 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:36:50 Pacific Daylight Time

Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428

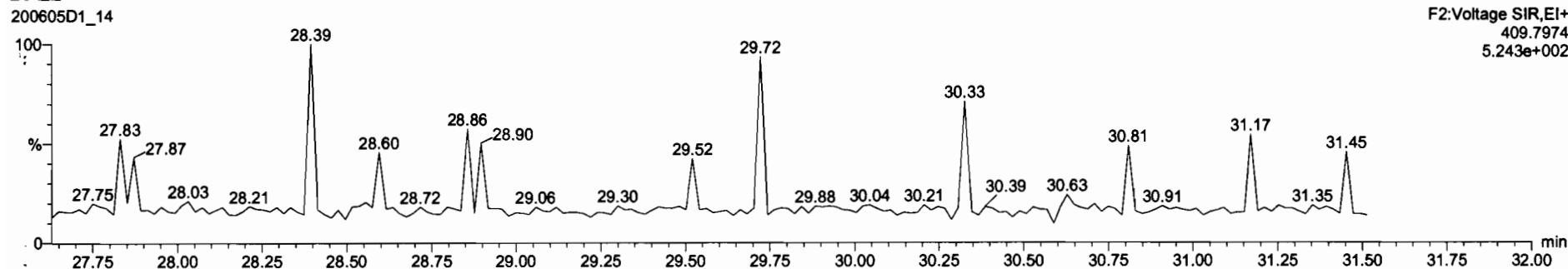
1,2,3,7,8-PeCDF



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



DPE2



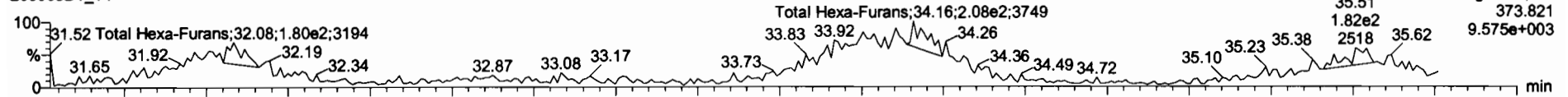
Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld

Last Altered: Monday, June 08, 2020 09:57:45 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:36:50 Pacific Daylight Time

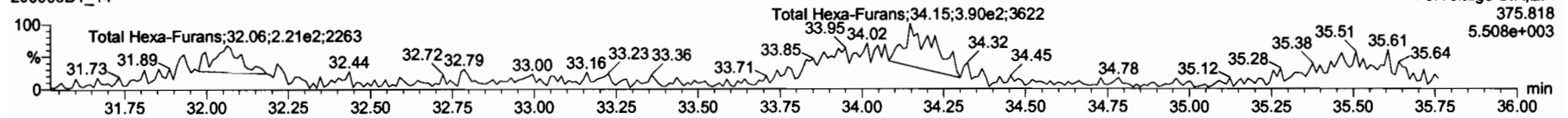
Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428

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

200605D1_14

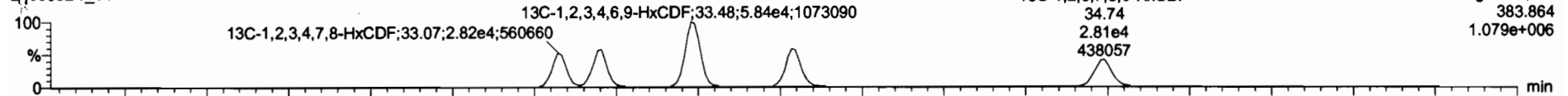


200605D1_14

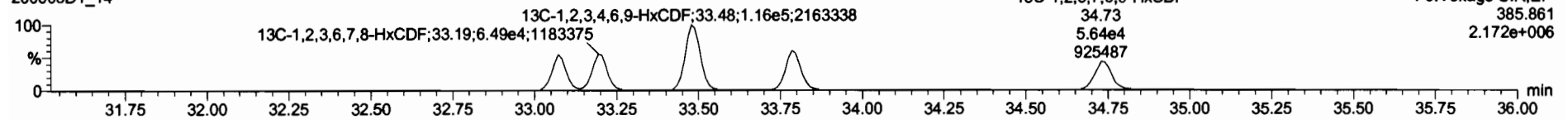


13C-1,2,3,4,7,8-HxCDF

200605D1_14

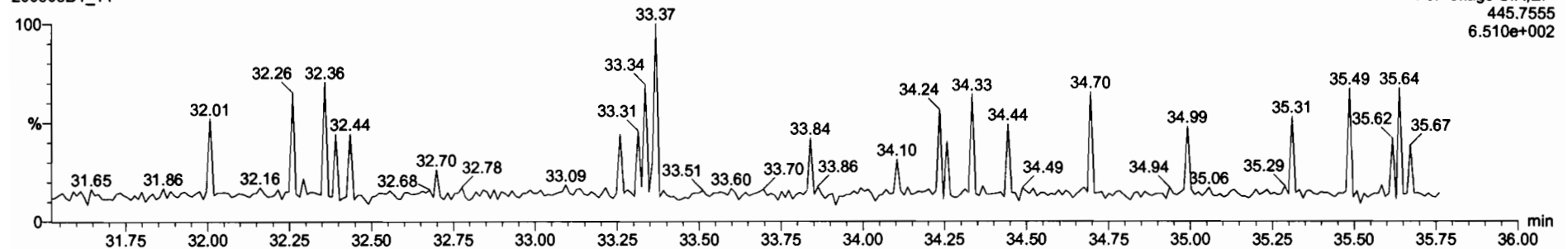


200605D1_14



DPE3

200605D1_14

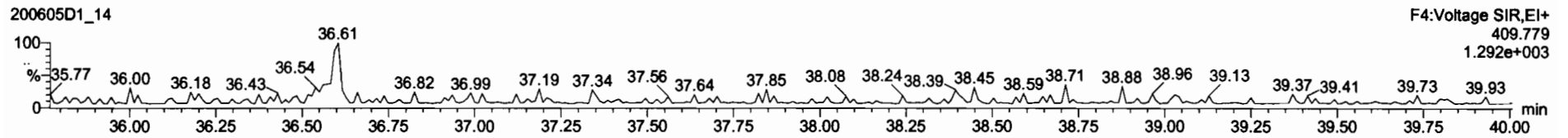
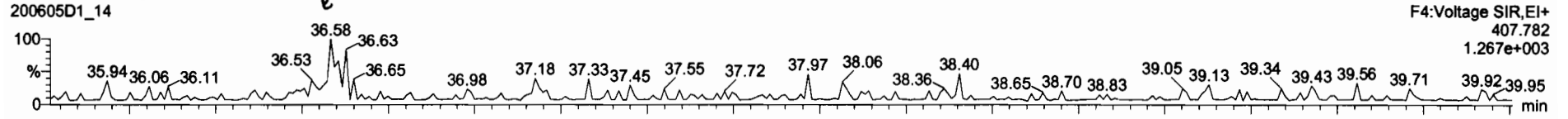


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld

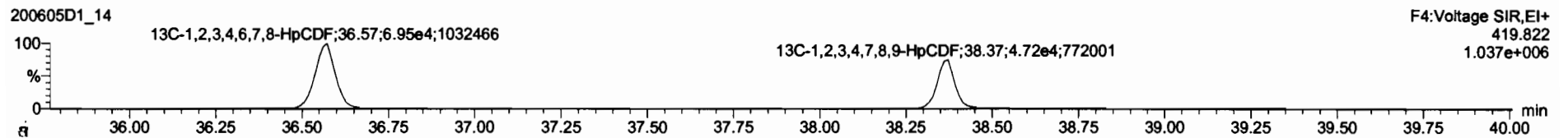
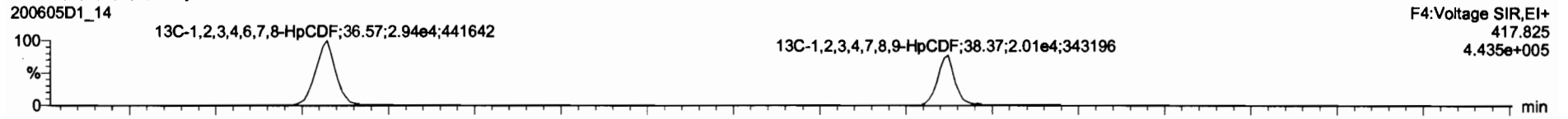
Last Altered: Monday, June 08, 2020 09:57:45 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:36:50 Pacific Daylight Time

Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428

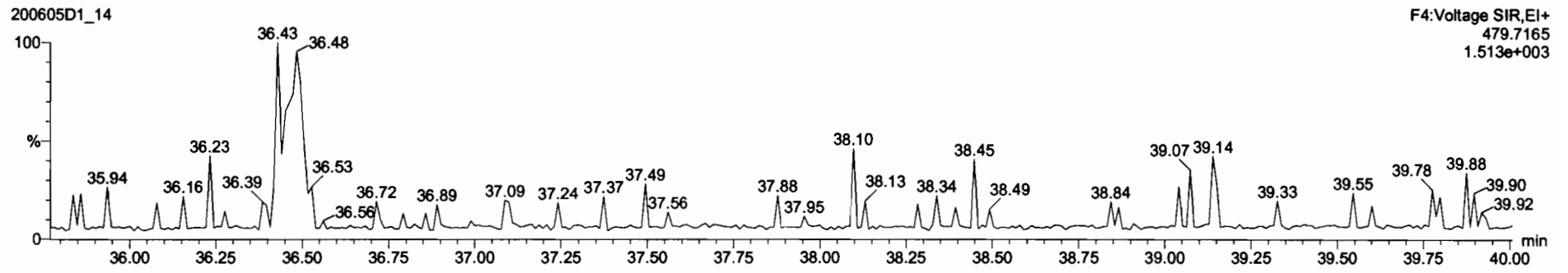
1,2,3,4,6,7,8-HpCDF

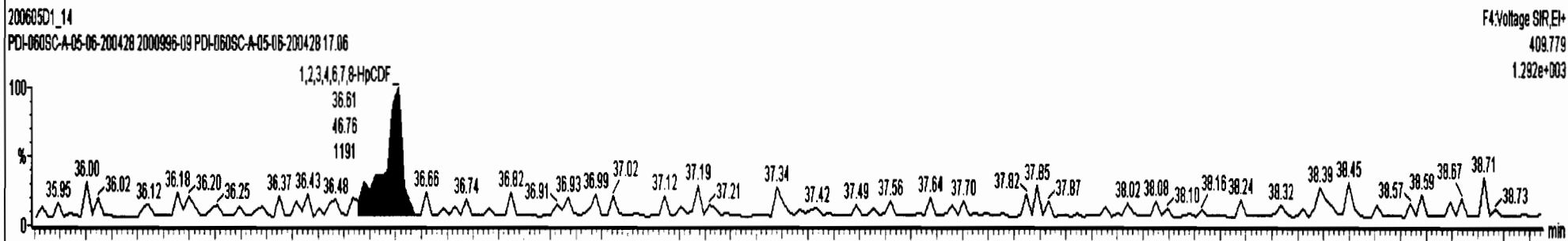
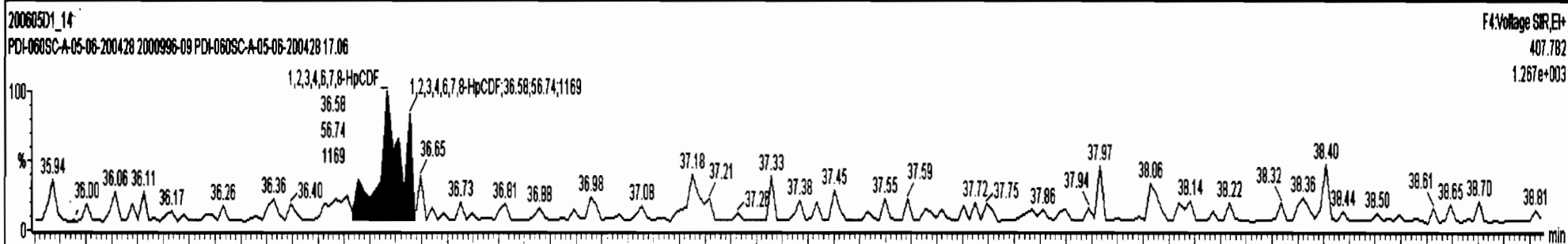
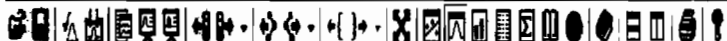


13C-1,2,3,4,6,7,8-HpCDF



DPE4

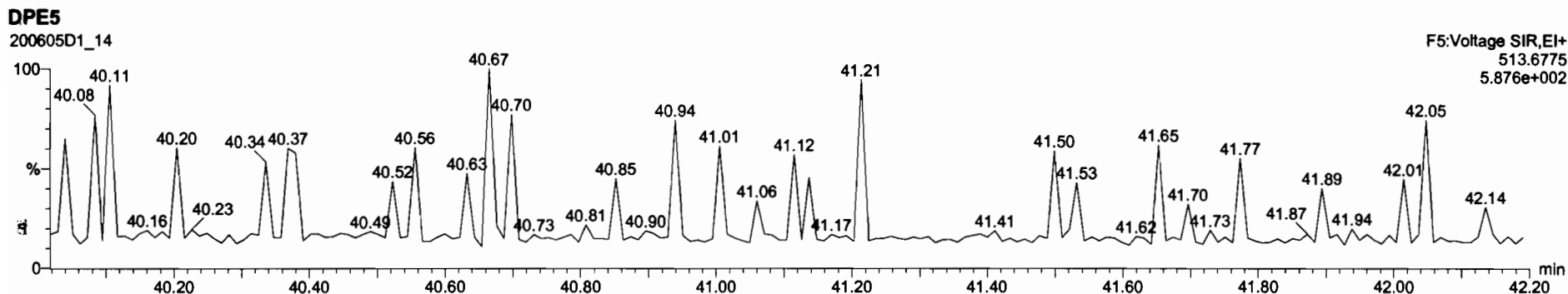
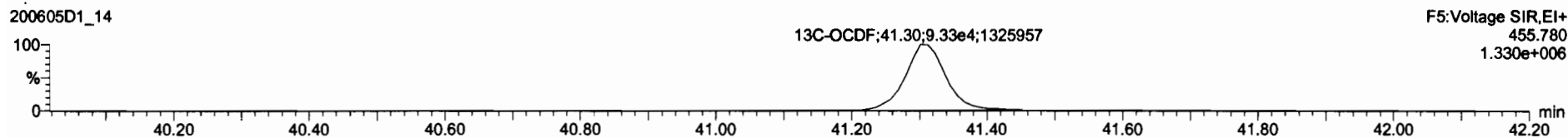
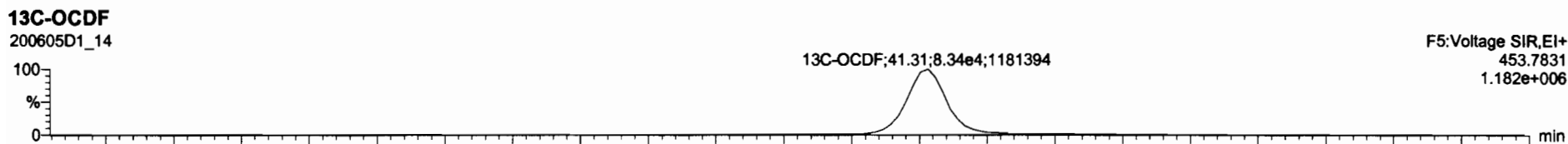
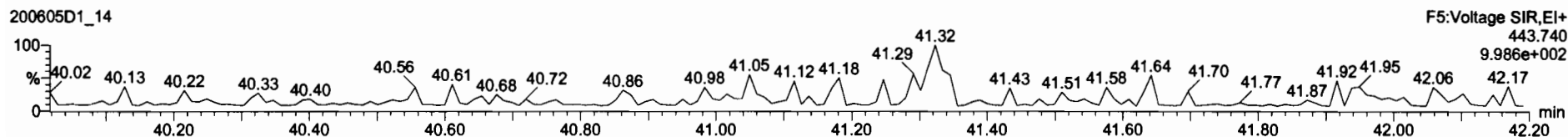
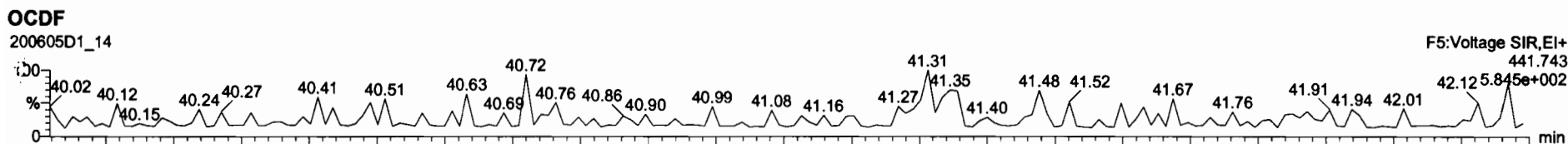




Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld

Last Altered: Monday, June 08, 2020 09:57:45 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:36:50 Pacific Daylight Time

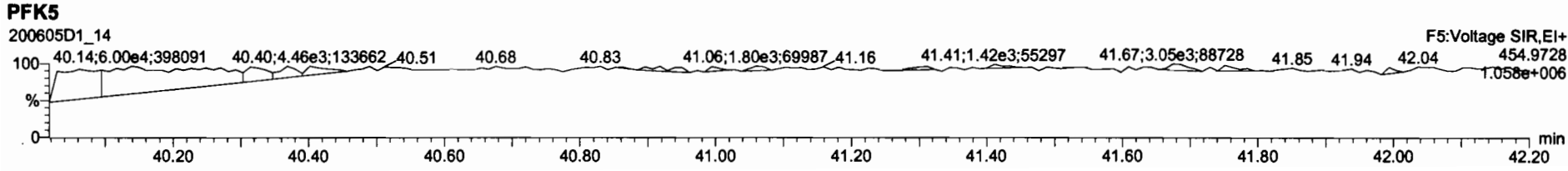
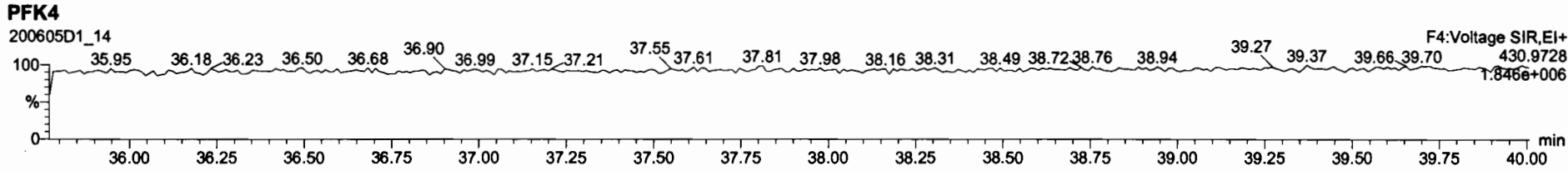
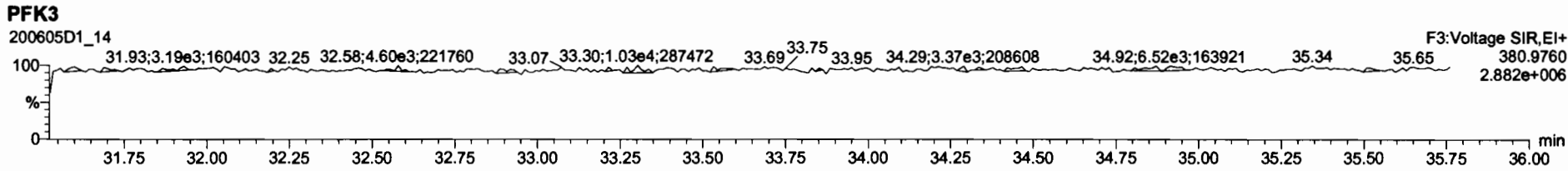
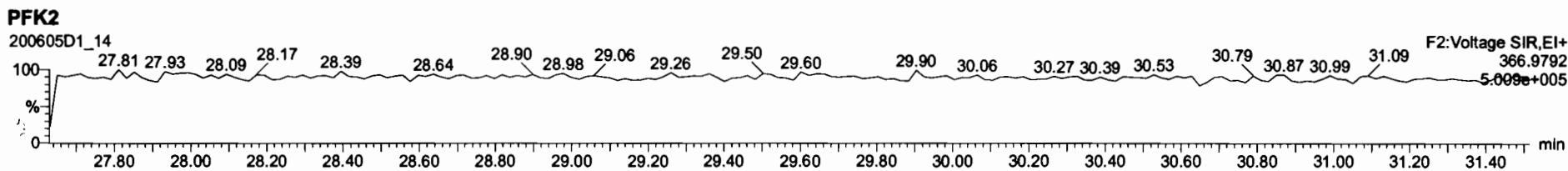
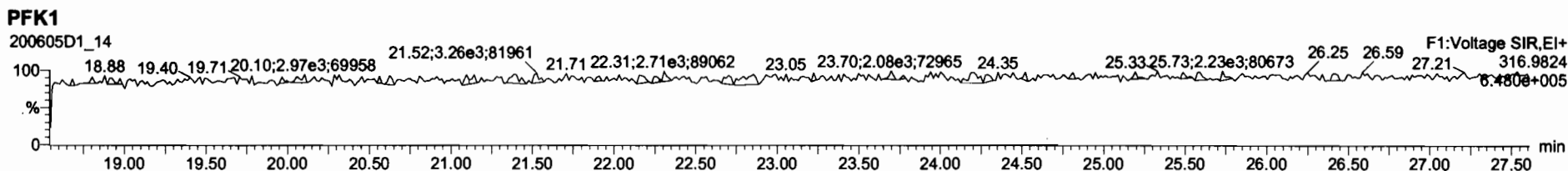
Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_14.qld

Last Altered: Monday, June 08, 2020 09:57:45 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:36:50 Pacific Daylight Time

Name: 200605D1_14, Date: 05-Jun-2020, Time: 22:08:14, ID: 2000996-09 PDI-060SC-A-05-06-200428 17.06, Description: PDI-060SC-A-05-06-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

Last Altered: Monday, June 08, 2020 16:01:37 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:07:36 Pacific Daylight Time

DB 6/8/20 C1 02/08/2020

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

Name: 200605D1_15, Date: 05-Jun-2020, Time: 22:53:20, ID: 2000996-10 PDI-060SC-A-06-07-200428 16.26, Description: PDI-060SC-A-06-07-200428

	Resp	RA	nly	RRF	Wt%	Area	Area	Area	Area	Area	Area	Area	
1	2,3,7,8-TCDD		NO	0.987	9.999	26.127		1.001				0.117	
2	1,2,3,7,8-PeCDD		NO	0.982	9.999	30.649		1.001				0.108	
3	1,2,3,4,7,8-HxCDD		NO	1.17	9.999	33.960		1.000				0.150	
4	1,2,3,6,7,8-HxCDD		NO	1.04	9.999	34.048		1.000				0.158	
5	1,2,3,7,8,9-HxCDD		NO	1.00	9.999	34.379		1.001				0.172	
6	1,2,3,4,6,7,8-HpCDD		NO	0.992	9.999	37.823		1.000				0.127	
7	OCDD	3.48e2	0.77	NO	1.04	9.999	41.082	41.08	1.000	1.000	0.73946	0.148	0.739
8	2,3,7,8-TCDF		NO	0.882	9.999	25.326		1.001				0.0818	
9	1,2,3,7,8-PeCDF		NO	1.05	9.999	29.482		1.001				0.0605	
10	2,3,4,7,8-PeCDF		NO	1.06	9.999	30.377		1.001				0.0591	
11	1,2,3,4,7,8-HxCDF		NO	1.08	9.999	33.050		1.000				0.104	
12	1,2,3,6,7,8-HxCDF		NO	1.04	9.999	33.192		1.000				0.106	
13	2,3,4,6,7,8-HxCDF		NO	1.11	9.999	33.808		1.001				0.104	
14	1,2,3,7,8,9-HxCDF		NO	1.06	9.999	34.718		1.000				0.160	
15	1,2,3,4,6,7,8-HpCDF		NO	1.13	9.999	36.587		1.001				0.0673	
16	1,2,3,4,7,8,9-HpCDF		NO	1.33	9.999	38.350		1.000				0.0654	
17	OCDF		NO	0.933	9.999	41.291		1.000				0.134	
18	13C-2,3,7,8-TCDD	1.72e5	0.78	NO	1.21	9.999	26.178	26.10	1.026	1.023	173.64	86.8	0.315
19	13C-1,2,3,7,8-PeCDD	1.42e5	0.62	NO	0.996	9.999	30.669	30.63	1.202	1.200	173.84	86.9	0.339
20	13C-1,2,3,4,7,8-HxCDD	1.16e5	1.27	NO	0.679	9.999	33.936	33.95	1.014	1.014	193.98	97.0	0.553
21	13C-1,2,3,6,7,8-HxCDD	1.40e5	1.30	NO	0.850	9.999	34.046	34.05	1.017	1.017	185.85	92.9	0.442
22	13C-1,2,3,7,8,9-HxCDD	1.32e5	1.24	NO	0.798	9.999	34.317	34.35	1.025	1.026	187.20	93.6	0.470
23	13C-1,2,3,4,6,7,8-HpCDD	1.10e5	1.06	NO	0.697	9.999	37.784	37.81	1.129	1.130	179.42	89.7	0.788
24	13C-OCDD	1.82e5	0.88	NO	0.579	9.999	40.810	41.08	1.219	1.228	355.02	88.7	0.803
25	13C-2,3,7,8-TCDF	2.43e5	0.76	NO	1.13	9.999	25.260	25.30	0.990	0.992	160.70	80.3	0.433
26	13C-1,2,3,7,8-PeCDF	2.42e5	1.61	NO	0.996	9.999	29.488	29.46	1.156	1.155	181.10	90.5	0.512
27	13C-2,3,4,7,8-PeCDF	2.42e5	1.58	NO	0.969	9.999	30.388	30.35	1.191	1.189	186.56	93.3	0.527
28	13C-1,2,3,4,7,8-HxCDF	1.78e5	0.50	NO	1.06	9.999	33.065	33.05	0.988	0.988	190.51	95.2	0.637
29	13C-1,2,3,6,7,8-HxCDF	1.89e5	0.52	NO	1.18	9.999	33.199	33.18	0.992	0.991	181.92	90.9	0.573
30	13C-2,3,4,6,7,8-HxCDF	1.76e5	0.51	NO	1.06	9.999	33.772	33.77	1.009	1.009	188.26	94.1	0.638
31	13C-1,2,3,7,8,9-HxCDF	1.38e5	0.52	NO	0.879	9.999	34.672	34.72	1.036	1.037	177.63	88.8	0.766

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

Last Altered: Monday, June 08, 2020 16:01:37 Pacific Daylight Time

Printed: Monday, June 08, 2020 16:07:36 Pacific Daylight Time

Name: 200605D1_15, Date: 05-Jun-2020, Time: 22:53:20, ID: 2000996-10 PDI-060SC-A-06-07-200428 16.26, Description: PDI-060SC-A-06-07-200428

32	13C-1,2,3,4,6,7,8-HpCDF	1.37e5	0.42	NO	0.893	9.999	36.379	36.55	1.087	1.092	174.10	87.0	0.778
33	13C-1,2,3,4,7,8,9-HpCDF	9.98e4	0.42	NO	0.613	9.999	38.387	38.35	1.147	1.146	184.02	92.0	1.13
34	13C-OCDF	2.23e5	0.89	NO	0.741	9.999	40.964	41.29	1.224	1.234	339.80	84.9	0.613
35	37Cl-2,3,7,8-TCDD	6.68e4			1.18	9.999	26.176	26.11	1.026	1.023	68.763	85.9	0.0707
36	13C-1,2,3,4-TCDD	1.65e5	0.79	NO	1.00	9.999	25.480	25.51	1.000	1.000	200.02	100	0.380
37	13C-1,2,3,4-TCDF	2.68e5	0.77	NO	1.00	9.999	24.020	24.06	1.000	1.000	200.02	100	0.488
38	13C-1,2,3,4,6,9-HxCDF	1.77e5	0.50	NO	1.00	9.999	33.530	33.47	1.000	1.000	200.02	100	0.674
39	Total Tetra-Dioxins				0.987	9.999	24.620		0.000				0.0579
40	Total Penta-Dioxins				0.982	9.999	29.960		0.000				0.0431
41	Total Hexa-Dioxins				1.04	9.999	33.635		0.000				0.104
42	Total Hepta-Dioxins				0.992	9.999	37.640		0.000				0.0676
43	Total Tetra-Furans				0.882	9.999	23.610		0.000				0.0391
44	1st Func. Penta-Furans				1.05	9.999	27.090		0.000				0.00903
45	Total Penta-Furans				1.05	9.999	29.275		0.000				0.0234
46	Total Hexa-Furans				1.11	9.999	33.555		0.000				0.0640
47	Total Hepta-Furans				1.13	9.999	37.835		0.000				0.0352

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Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld
Last Altered: Monday, June 08, 2020 16:01:37 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:07:36 Pacific Daylight Time

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

Name: 200605D1_15, Date: 05-Jun-2020, Time: 22:53:20, ID: 2000996-10 PDI-060SC-A-06-07-200428 16.26, Description: PDI-060SC-A-06-07-200428

Tetra-Dioxins

RT	m1 Height	m2 Height	m1 Resp	m2 Resp

Penta-Dioxins

RT	m1 Height	m2 Height	m1 Resp	m2 Resp

Hexa-Dioxins

RT	m1 Height	m2 Height	m1 Resp	m2 Resp

Hepta-Dioxins

RT	m1 Height	m2 Height	m1 Resp	m2 Resp

Tetra-Furans

RT	m1 Height	m2 Height	m1 Resp	m2 Resp

Penta-Furans function 1

RT	m1 Height	m2 Height	m1 Resp	m2 Resp

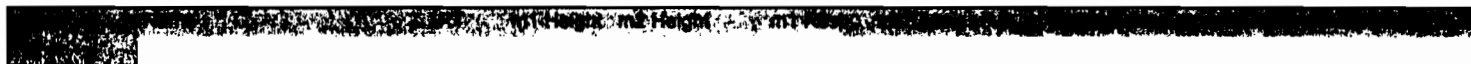
Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

Last Altered: Monday, June 08, 2020 16:01:37 Pacific Daylight Time

Printed: Monday, June 08, 2020 16:07:36 Pacific Daylight Time

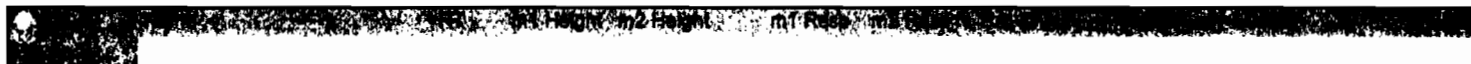
Name: 200605D1_15, Date: 05-Jun-2020, Time: 22:53:20, ID: 2000996-10 PDI-060SC-A-06-07-200428 16.26, Description: PDI-060SC-A-06-07-200428

Penta-Furans



[Redacted]	
[Redacted]	[Redacted]

Hexa-Furans



[Redacted]	
[Redacted]	[Redacted]

Hepta-Furans



[Redacted]	
[Redacted]	[Redacted]

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

Last Altered: Monday, June 08, 2020 09:58:53 Pacific Daylight Time

Printed: Monday, June 08, 2020 16:00:07 Pacific Daylight Time

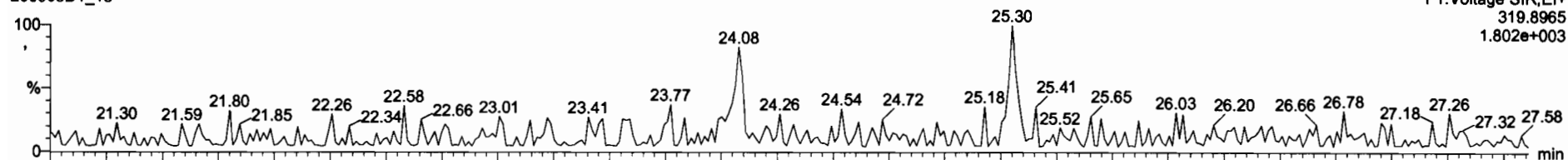
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24

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

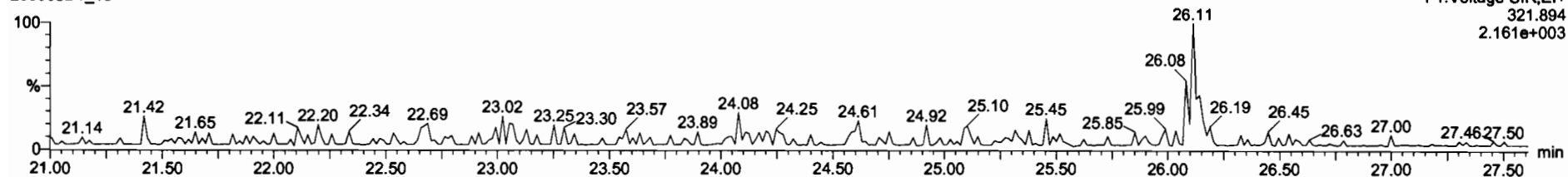
Name: 200605D1_15, Date: 05-Jun-2020, Time: 22:53:20, ID: 2000996-10 PDI-060SC-A-06-07-200428 16.26, Description: PDI-060SC-A-06-07-200428

2,3,7,8-TCDD

200605D1_15

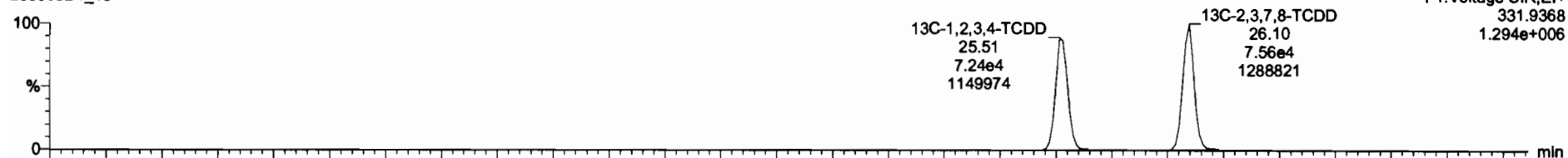


200605D1_15

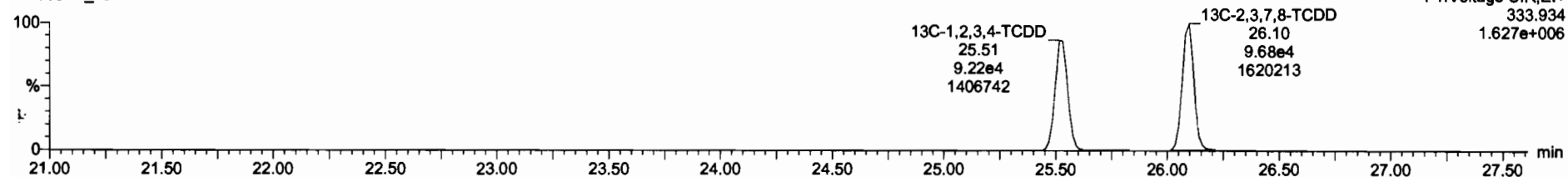


13C-2,3,7,8-TCDD

200605D1_15



200605D1_15

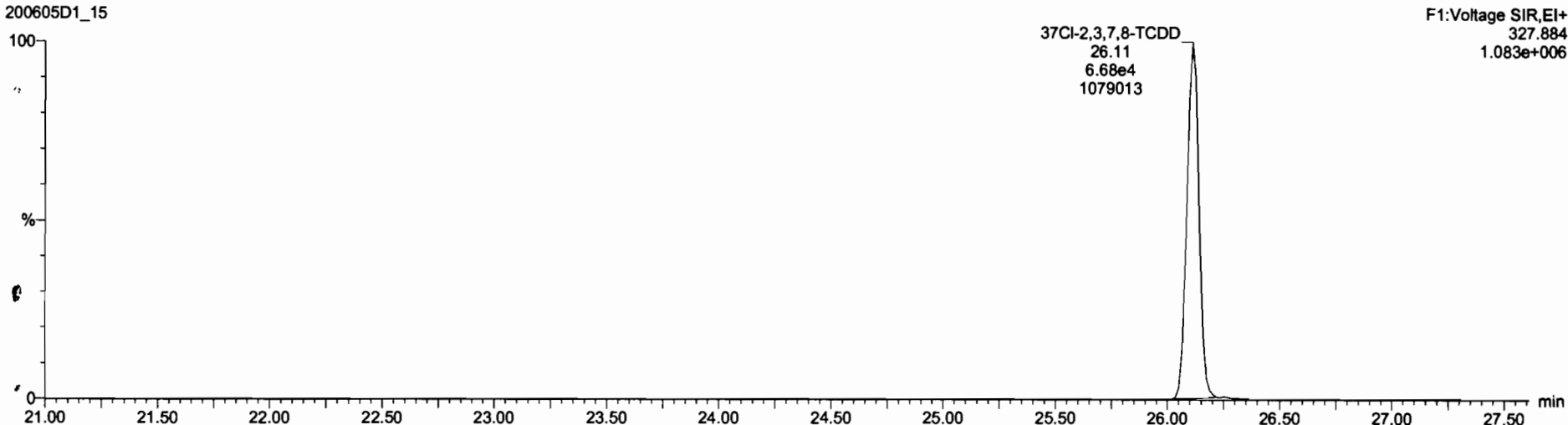


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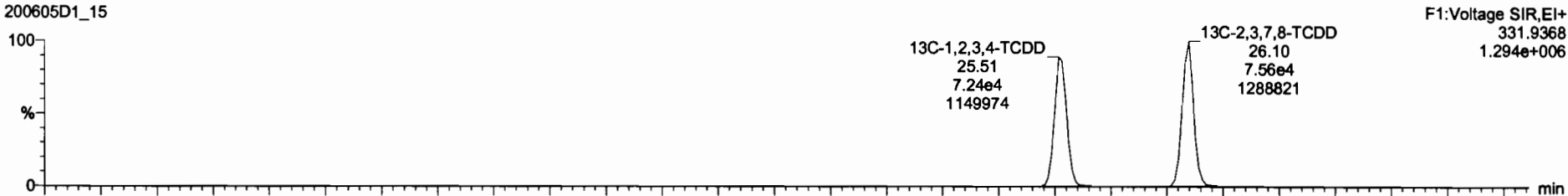
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Printed: Monday, June 08, 2020 16:00:07 Pacific Daylight Time

Name: 200605D1_15, Date: 05-Jun-2020, Time: 22:53:20, ID: 2000996-10 PDI-060SC-A-06-07-200428 16.26, Description: PDI-060SC-A-06-07-200428

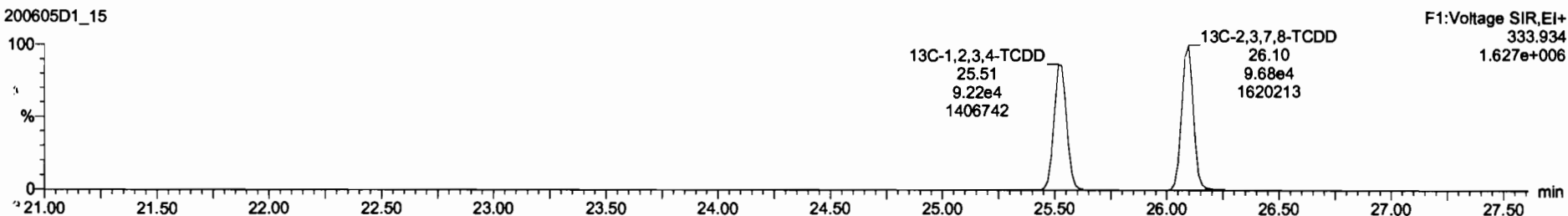
37Cl-2,3,7,8-TCDD
200605D1_15



13C-1,2,3,4-TCDD
200605D1_15



200605D1_15



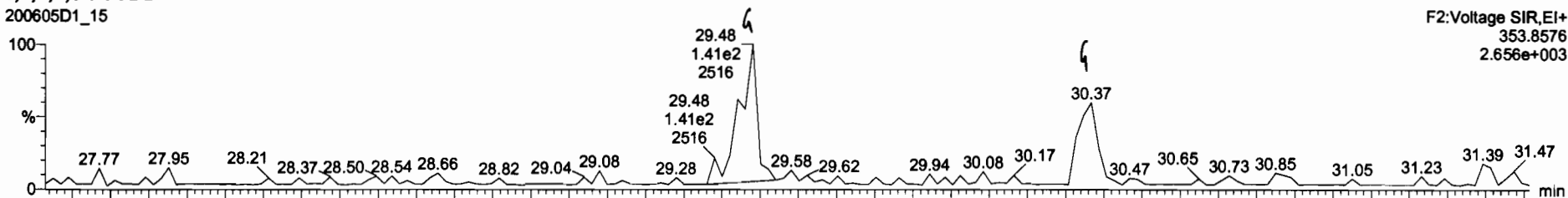
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Printed: Monday, June 08, 2020 16:00:07 Pacific Daylight Time

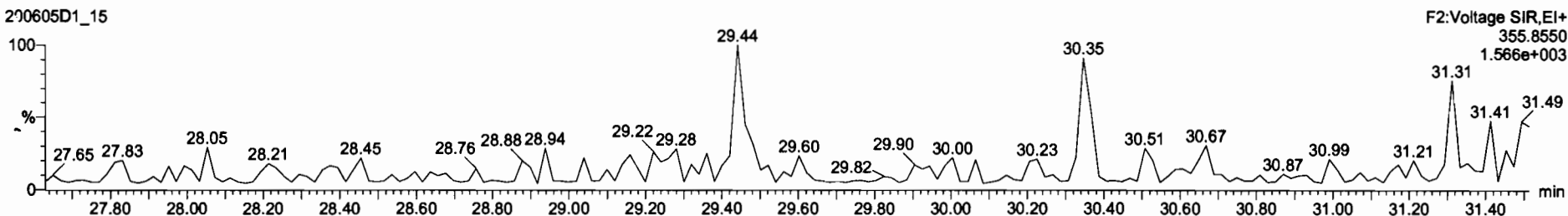
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1,2,3,7,8-PeCDD

200605D1_15



200605D1_15

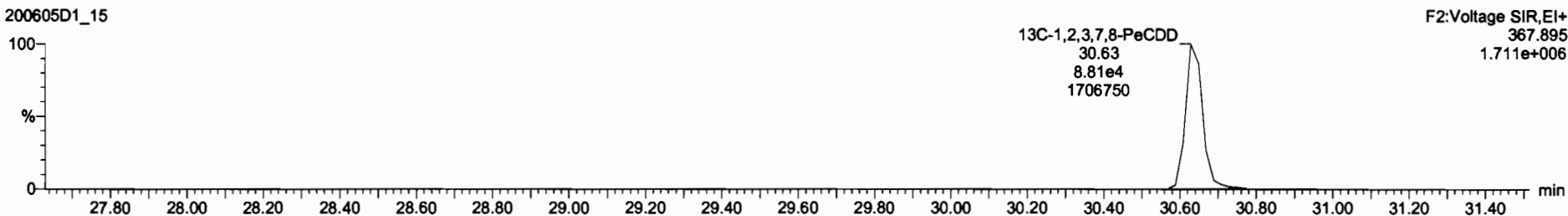


13C-1,2,3,7,8-PeCDD

200605D1_15



200605D1_15



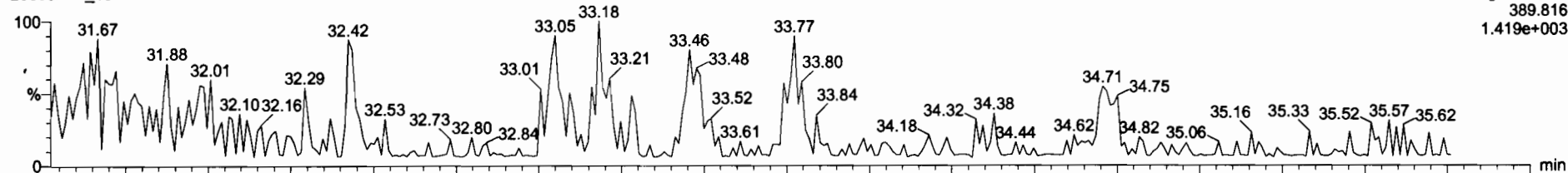
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Last Altered: Monday, June 08, 2020 09:58:53 Pacific Daylight Time
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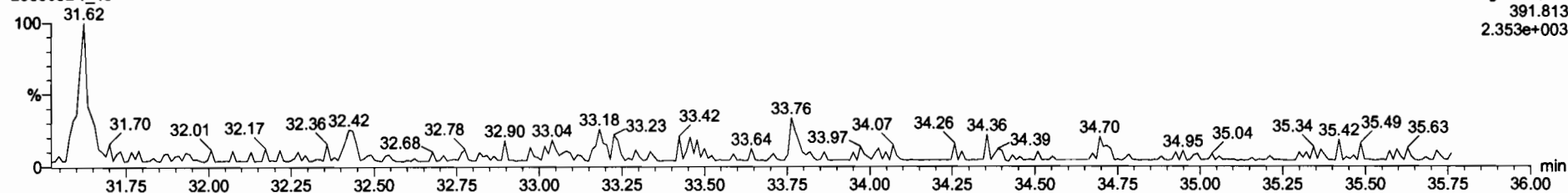
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1,2,3,4,7,8-HxCDD

200605D1_15

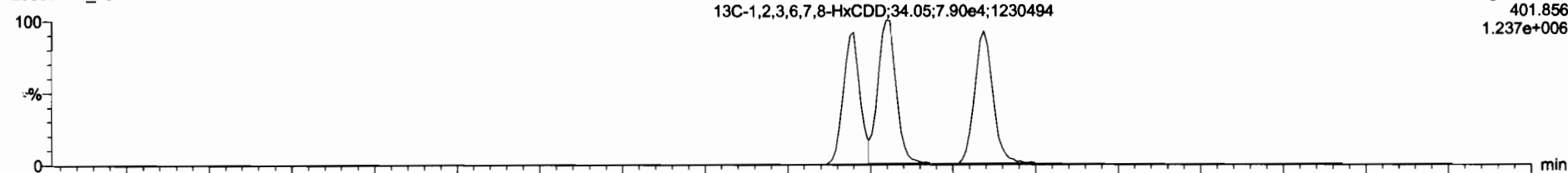


200605D1_15

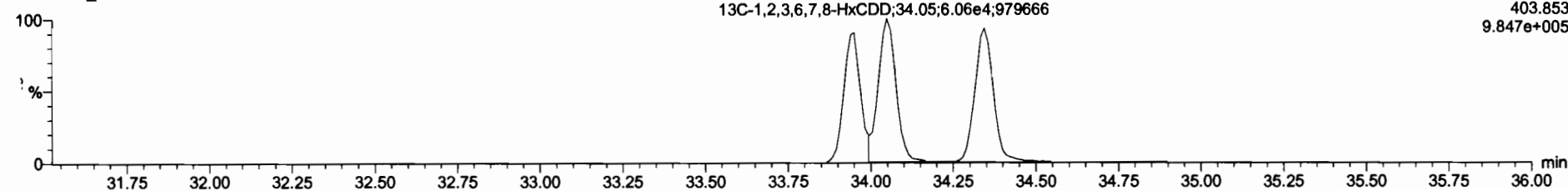


13C-1,2,3,4,7,8-HxCDD

200605D1_15



200605D1_15



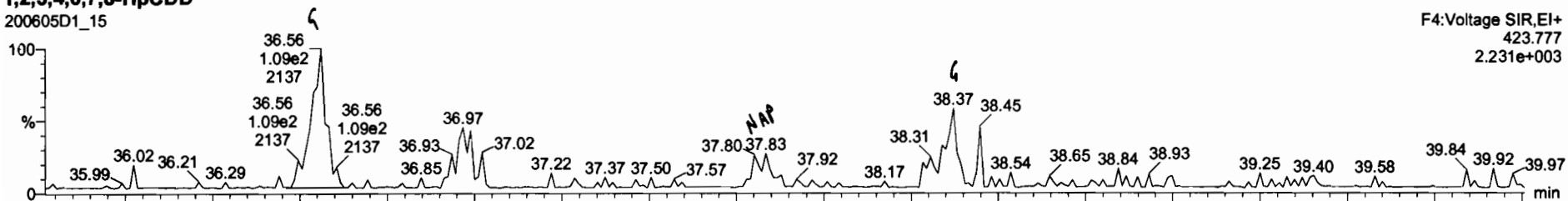
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Last Altered: Monday, June 08, 2020 09:58:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:00:07 Pacific Daylight Time

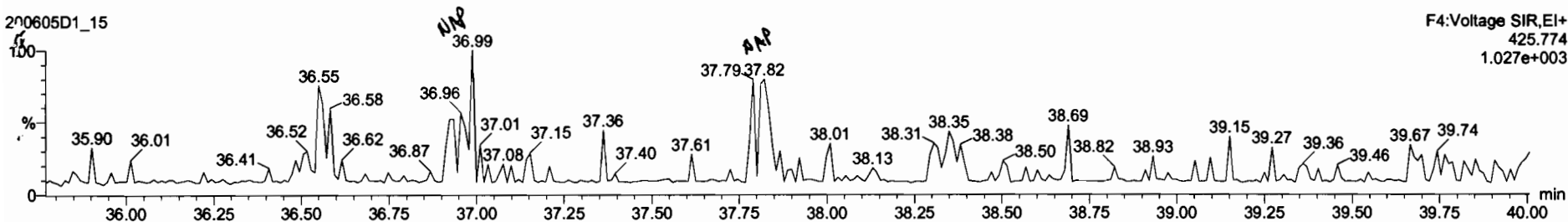
Name: 200605D1_15, Date: 05-Jun-2020, Time: 22:53:20, ID: 2000996-10 PDI-060SC-A-06-07-200428 16.26, Description: PDI-060SC-A-06-07-200428

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

200605D1_15

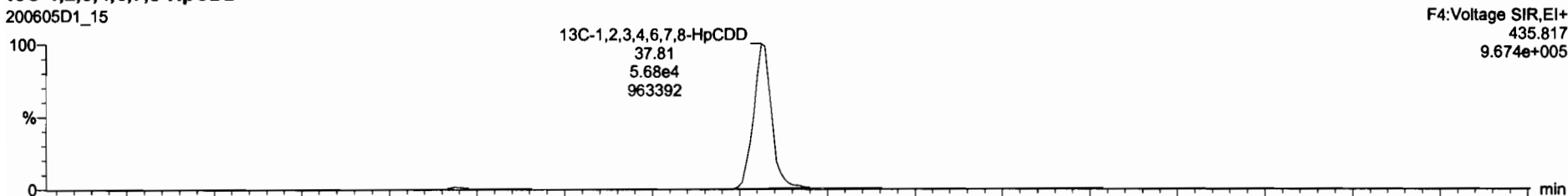


200605D1_15

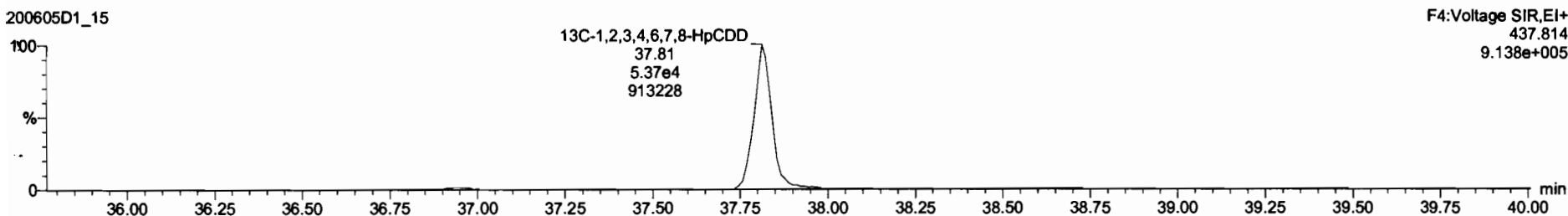


13C-1,2,3,4,6,7,8-HpCDD

200605D1_15



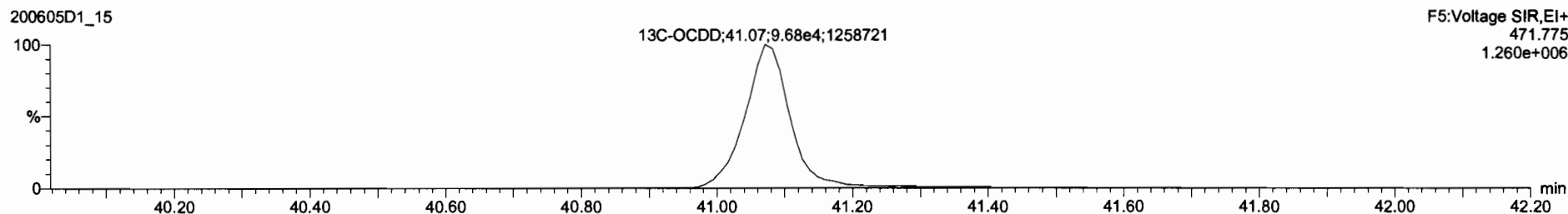
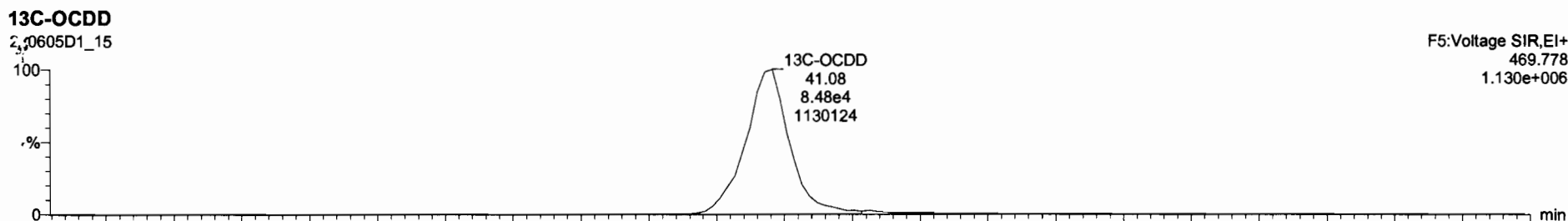
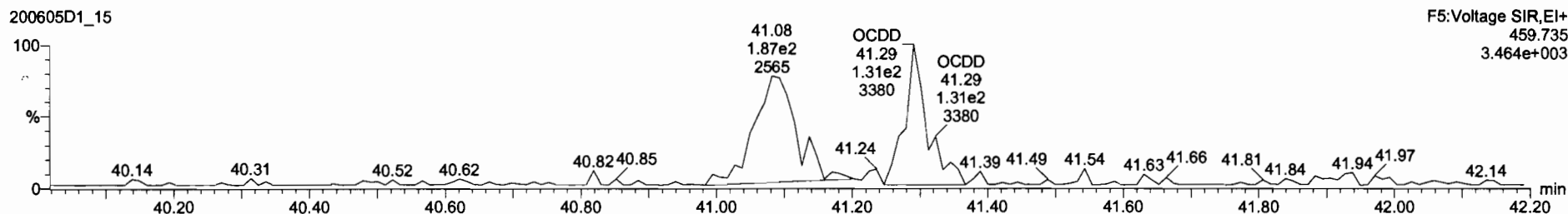
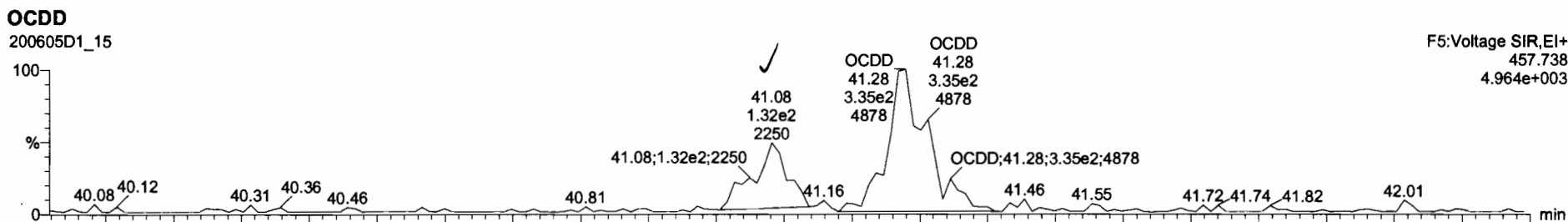
200605D1_15

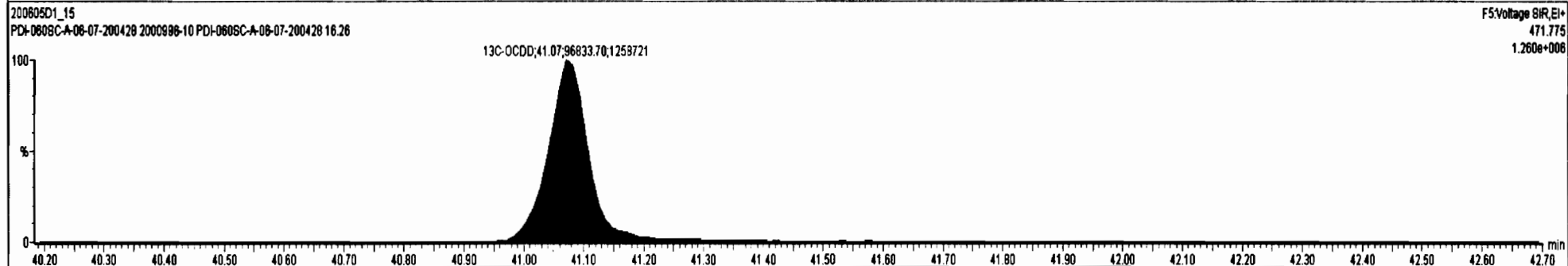
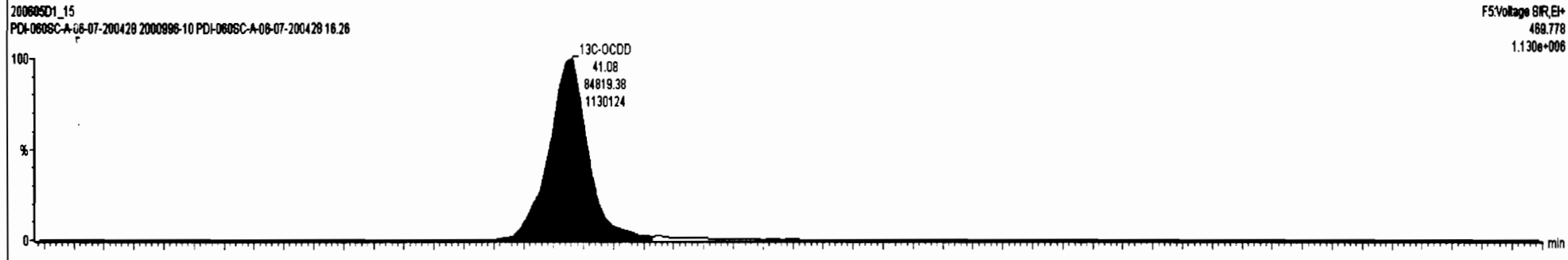
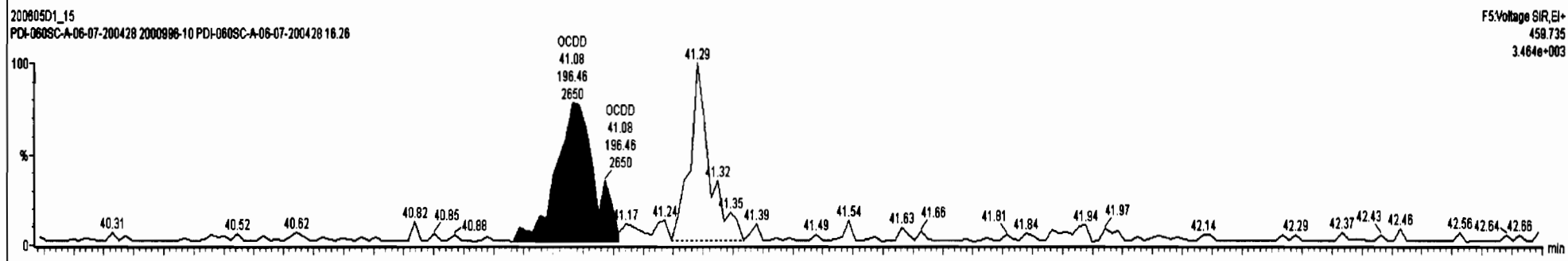
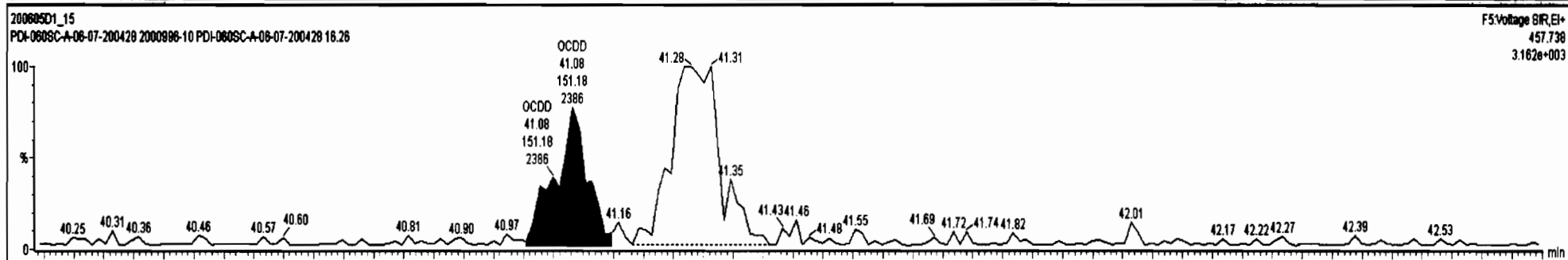
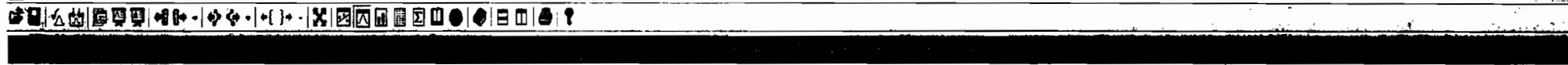


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

Last Altered: Monday, June 08, 2020 09:58:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:00:07 Pacific Daylight Time

Name: 200605D1_15, Date: 05-Jun-2020, Time: 22:53:20, ID: 2000996-10 PDI-060SC-A-06-07-200428 16.26, Description: PDI-060SC-A-06-07-200428





Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

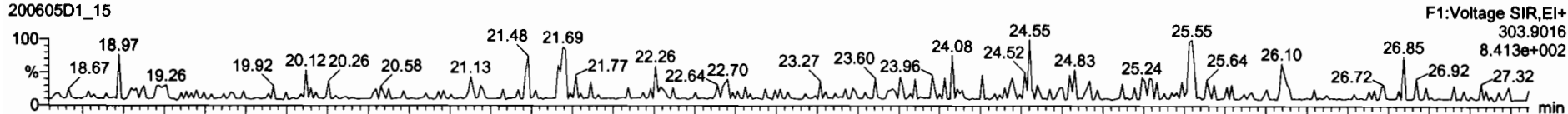
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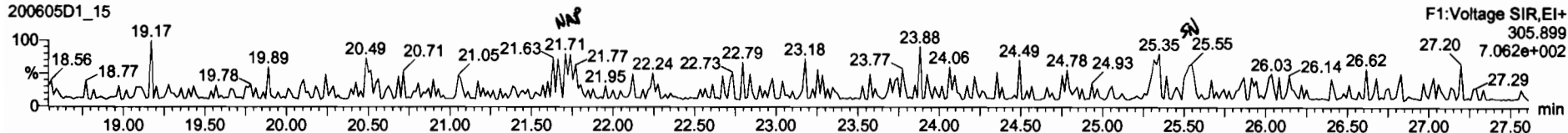
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2,3,7,8-TCDF

200605D1_15

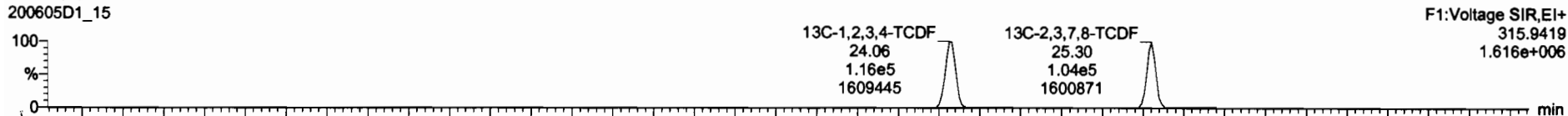


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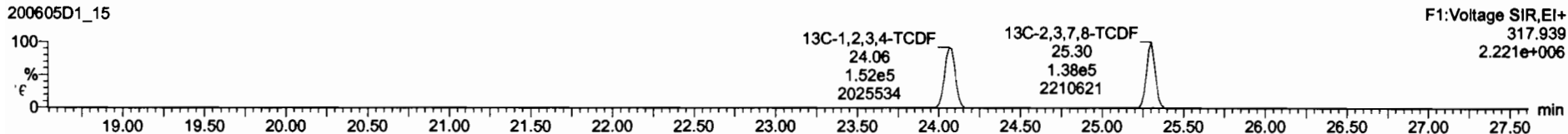


13C-2,3,7,8-TCDF

200605D1_15

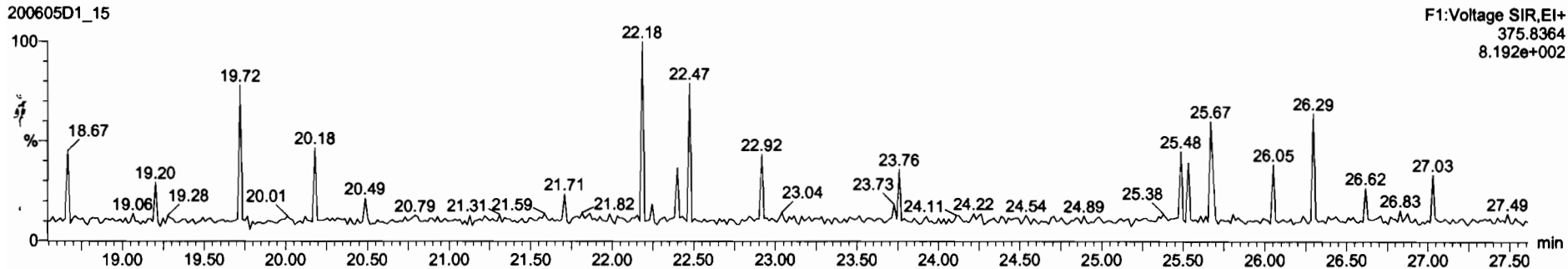


200605D1_15



DPE1

200605D1_15



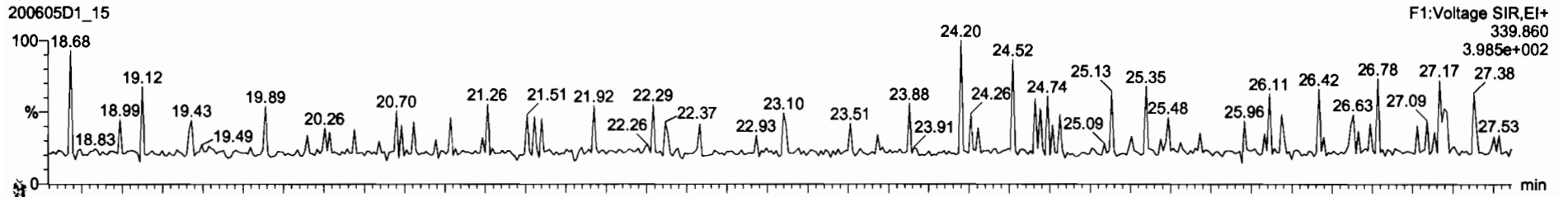
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Last Altered: Monday, June 08, 2020 09:58:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:00:07 Pacific Daylight Time

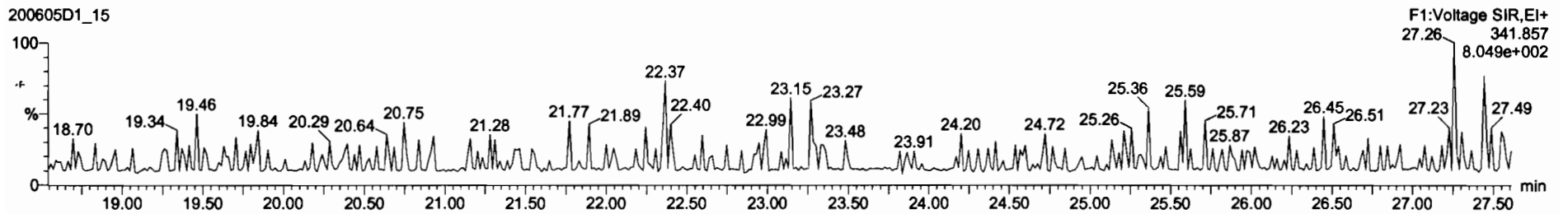
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1st Func. Penta-Furans

200605D1_15

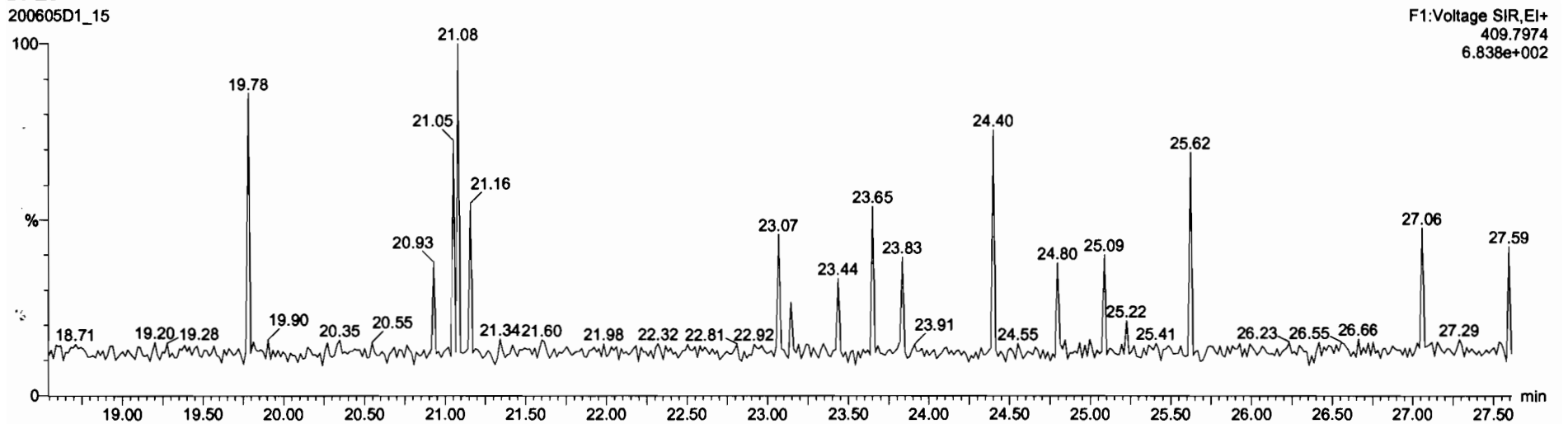


200605D1_15



DPE6

200605D1_15



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

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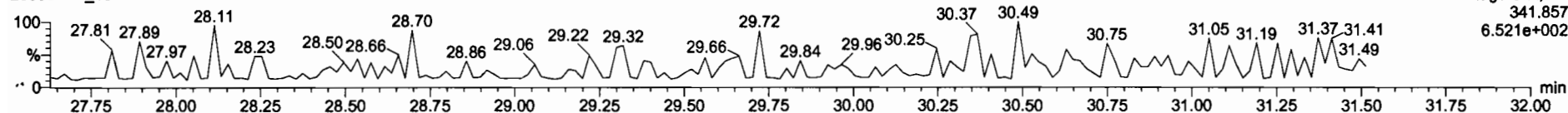
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1,2,3,7,8-PeCDF

200605D1_15

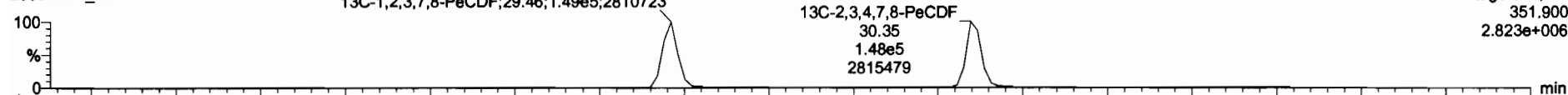


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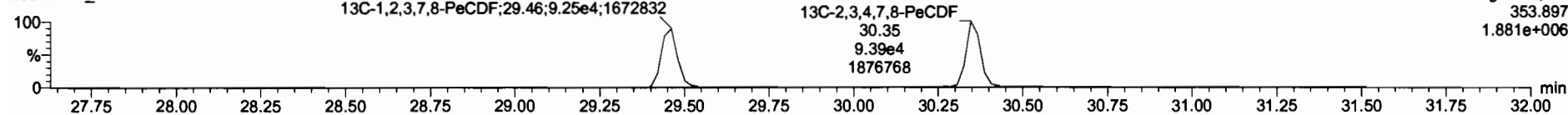


13C-1,2,3,7,8-PeCDF

200605D1_15

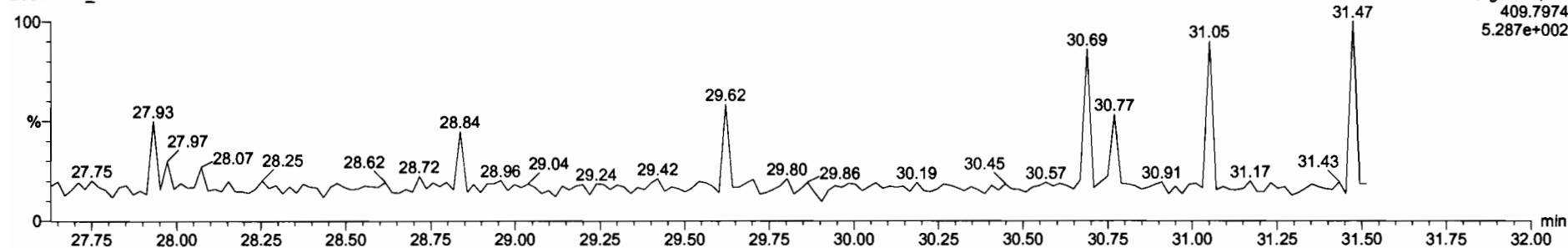


200605D1_15



DPE2

200605D1_15

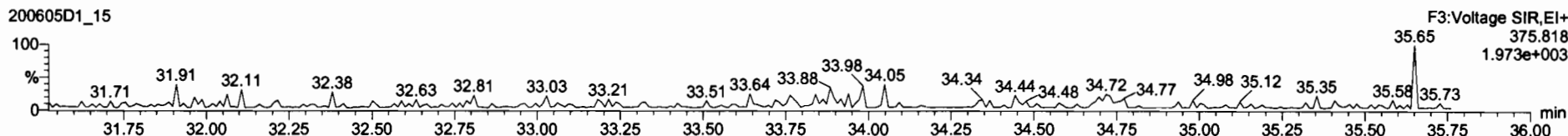
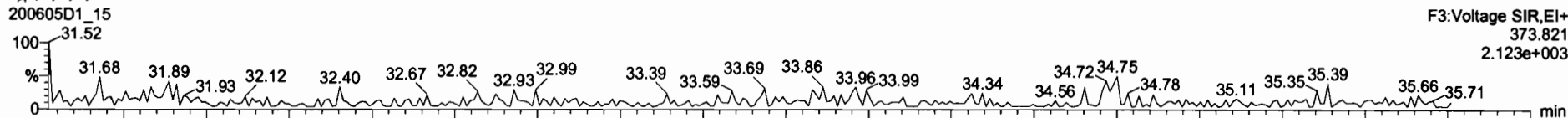


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

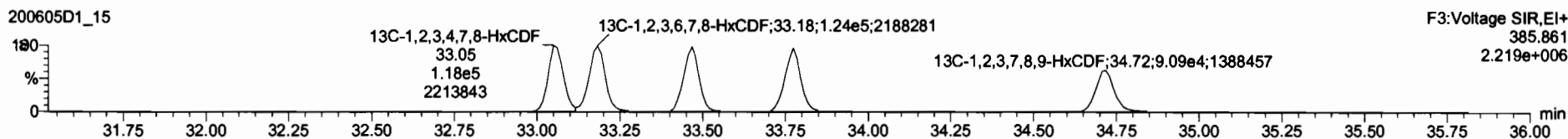
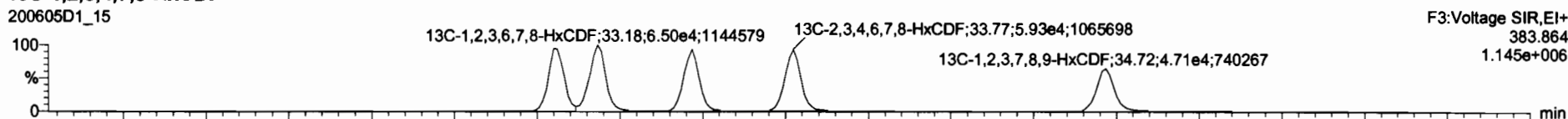
Last Altered: Monday, June 08, 2020 09:58:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:00:07 Pacific Daylight Time

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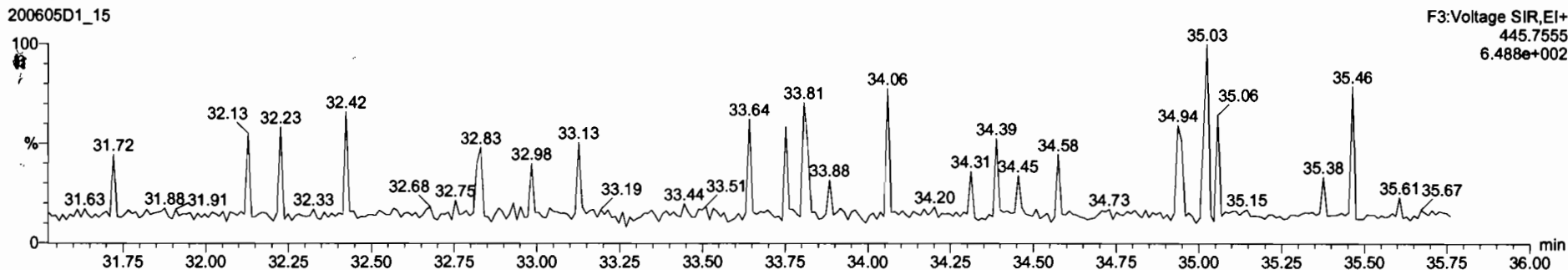
1,2,3,4,7,8-HxCDF



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



DPE3



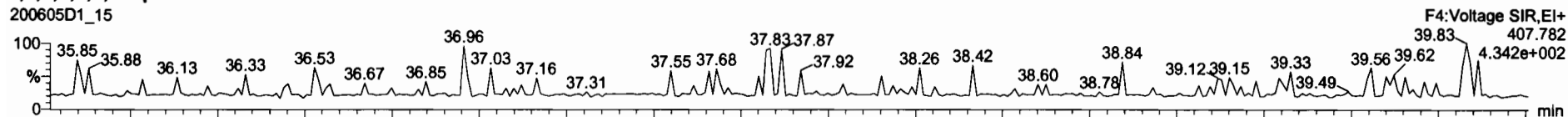
Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

Last Altered: Monday, June 08, 2020 09:58:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:00:07 Pacific Daylight Time

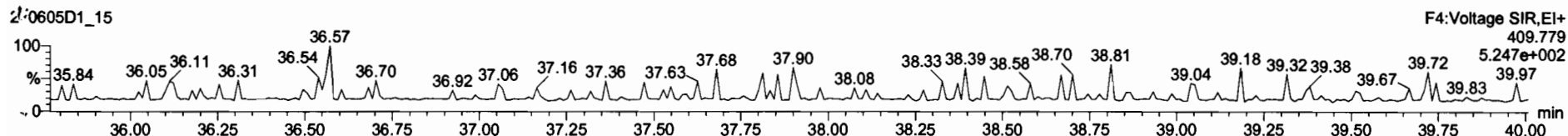
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1,2,3,4,6,7,8-HpCDF

200605D1_15

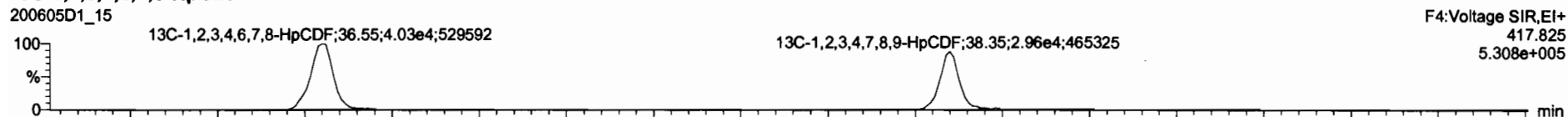


200605D1_15

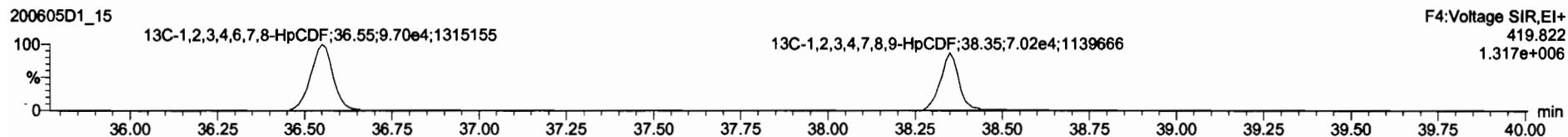


13C-1,2,3,4,6,7,8-HpCDF

200605D1_15

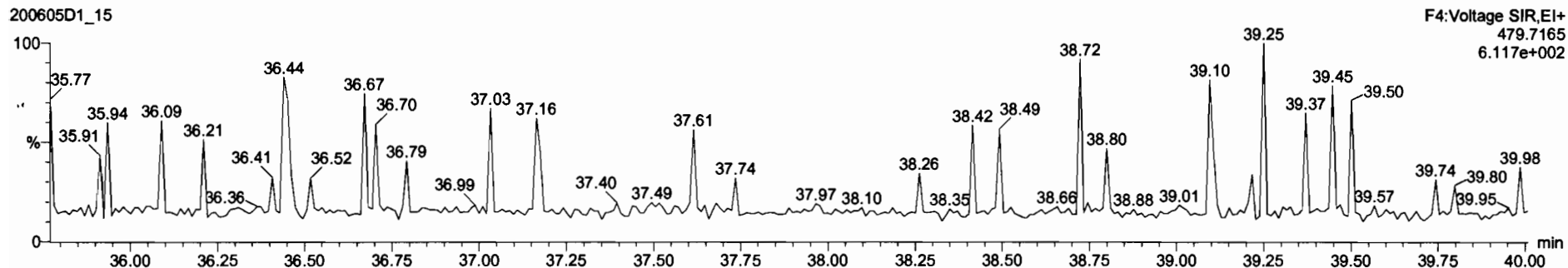


200605D1_15



DPE4

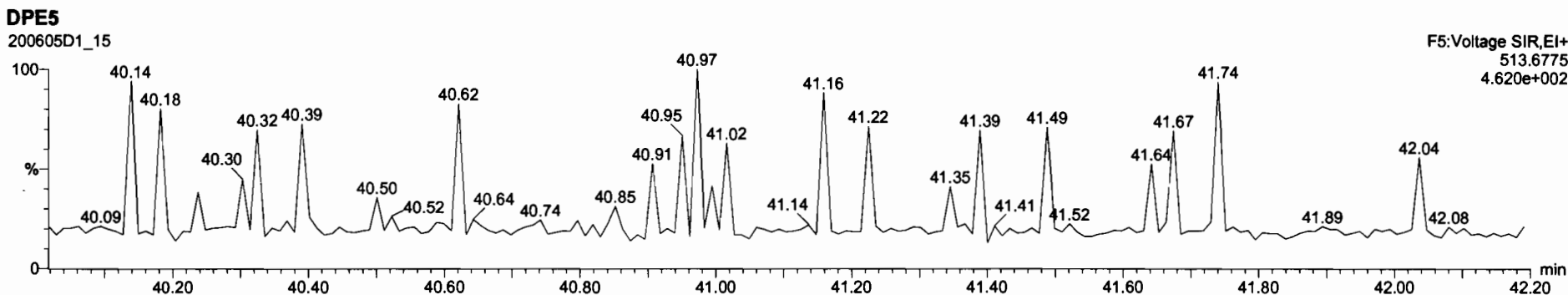
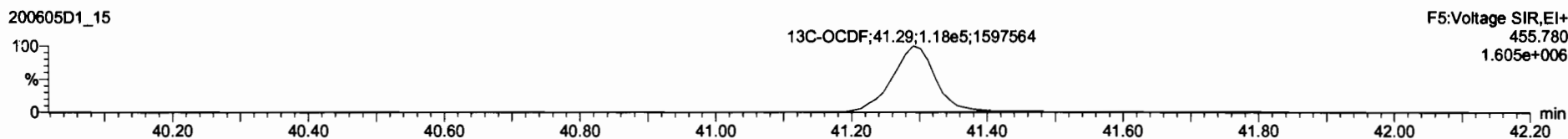
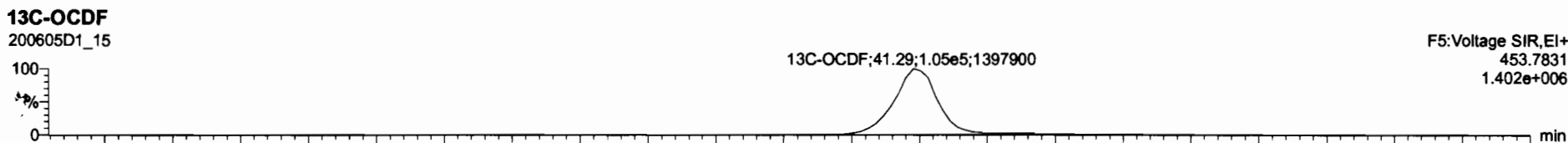
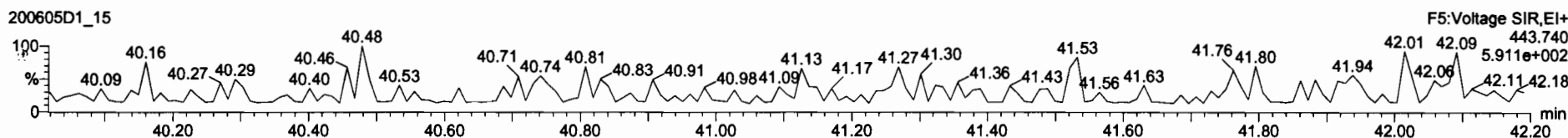
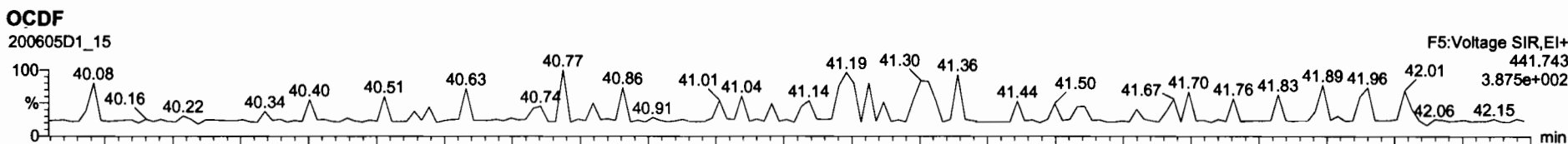
200605D1_15



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

Last Altered: Monday, June 08, 2020 09:58:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:00:07 Pacific Daylight Time

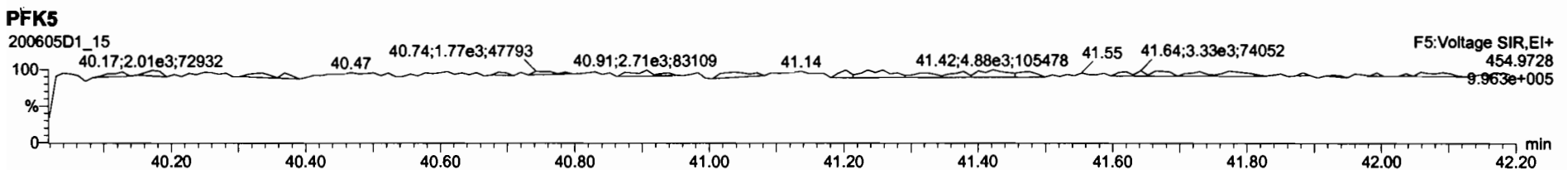
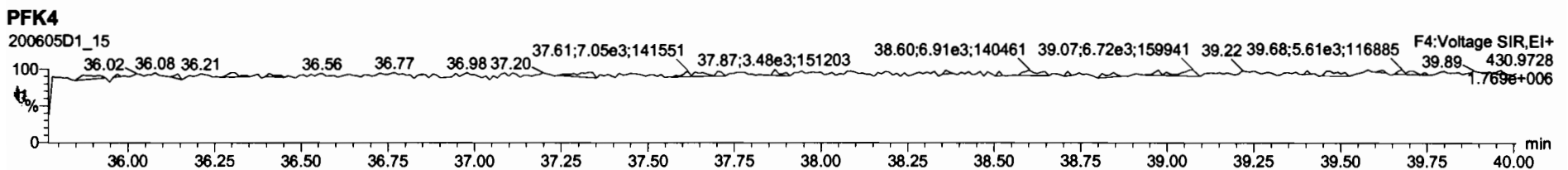
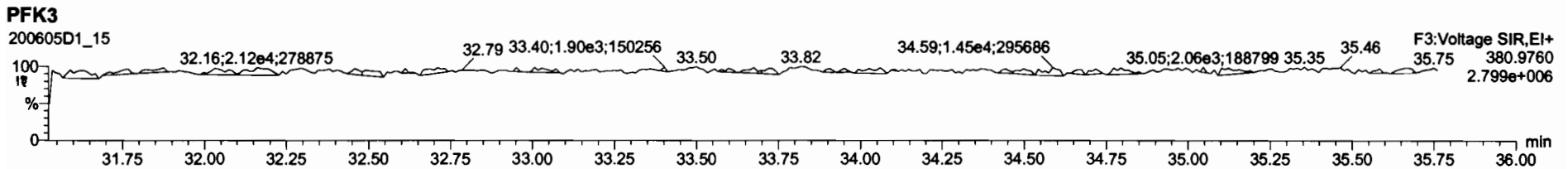
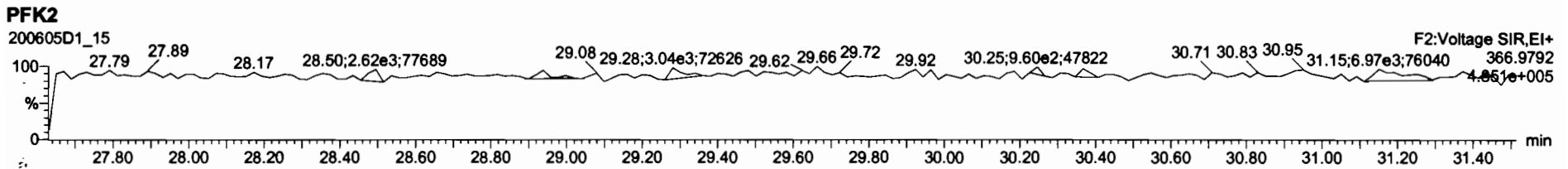
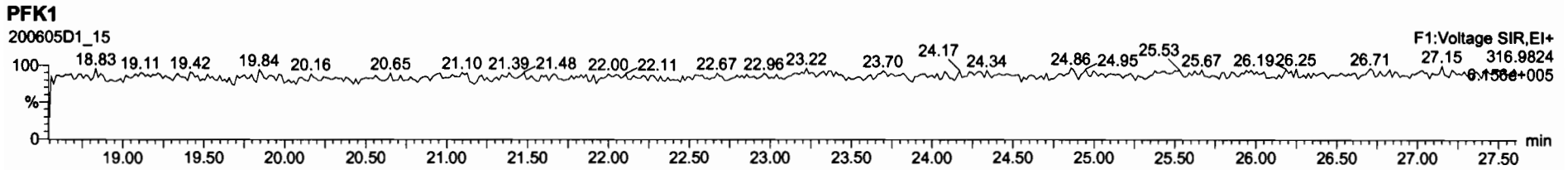
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Dataset: U:\VG7.PRO\Results\200605D1\200605D1_15.qld

Last Altered: Monday, June 08, 2020 09:58:53 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:00:07 Pacific Daylight Time

Name: 200605D1_15, Date: 05-Jun-2020, Time: 22:53:20, ID: 2000996-10 PDI-060SC-A-06-07-200428 16.26, Description: PDI-060SC-A-06-07-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

Last Altered: Monday, June 08, 2020 16:47:07 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:48:01 Pacific Daylight Time

DB 6/8/20 CT 07/08/2020

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

Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

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1	2,3,7,8-TCDD		NO	0.987	10.022	26.127		1.001					0.151	
2	1,2,3,7,8-PeCDD		NO	0.982	10.022	30.670		1.001					0.222	
3	1,2,3,4,7,8-HxCDD		NO	1.17	10.022	33.960		1.000					0.147	
4	1,2,3,6,7,8-HxCDD		NO	1.04	10.022	34.060		1.000					0.148	
5	1,2,3,7,8,9-HxCDD		NO	1.00	10.022	34.379		1.001					0.166	
6	1,2,3,4,6,7,8-HpCDD	3.45e2	0.97	NO	0.992	10.022	37.823	37.83	1.000	1.001	0.59115		0.233	0.591
7	OCDD	1.63e3	0.98	NO	1.04	10.022	41.071	41.09	1.000	1.001	3.8140		0.252	3.81
8	2,3,7,8-TCDF		NO	0.882	10.022	25.326		1.001					0.117	
9	1,2,3,7,8-PeCDF		NO	1.05	10.022	29.482		1.001					0.0798	
10	2,3,4,7,8-PeCDF		NO	1.06	10.022	30.397		1.001					0.0777	
11	1,2,3,4,7,8-HxCDF		NO	1.08	10.022	33.061		1.000					0.173	
12	1,2,3,6,7,8-HxCDF		NO	1.04	10.022	33.203		1.000					0.179	
13	2,3,4,6,7,8-HxCDF		NO	1.11	10.022	33.819		1.001					0.186	
14	1,2,3,7,8,9-HxCDF		NO	1.06	10.022	34.718		1.000					0.249	
15	1,2,3,4,6,7,8-HpCDF		NO	1.13	10.022	36.587		1.001					0.0650	
16	1,2,3,4,7,8,9-HpCDF		NO	1.33	10.022	38.350		1.000					0.0747	
17	OCDF		NO	0.933	10.022	41.291		1.000					0.181	
18	13C-2,3,7,8-TCDD	1.27e5	0.86	NO	1.21	10.022	26.194	26.10	1.026	1.022	136.65	68.5	0.350	
19	13C-1,2,3,7,8-PeCDD	1.18e5	0.64	NO	0.996	10.022	30.687	30.65	1.202	1.201	153.81	77.1	0.363	
20	13C-1,2,3,4,7,8-HxCDD	1.08e5	1.30	NO	0.679	10.022	33.947	33.95	1.014	1.014	184.68	92.5	0.685	
21	13C-1,2,3,6,7,8-HxCDD	1.29e5	1.28	NO	0.850	10.022	34.057	34.06	1.017	1.017	176.02	88.2	0.547	
22	13C-1,2,3,7,8,9-HxCDD	1.28e5	1.27	NO	0.798	10.022	34.328	34.35	1.025	1.026	186.03	93.2	0.583	
23	13C-1,2,3,4,6,7,8-HpCDD	1.17e5	1.07	NO	0.697	10.022	37.797	37.81	1.129	1.129	195.02	97.7	0.608	
24	13C-OCDD	1.65e5	0.89	NO	0.579	10.022	40.823	41.07	1.219	1.227	329.84	82.6	0.637	
25	13C-2,3,7,8-TCDF	1.70e5	0.75	NO	1.13	10.022	25.275	25.30	0.990	0.991	118.44	59.4	0.442	
26	13C-1,2,3,7,8-PeCDF	1.92e5	1.61	NO	0.996	10.022	29.505	29.46	1.156	1.154	151.37	75.9	0.636	
27	13C-2,3,4,7,8-PeCDF	1.85e5	1.60	NO	0.969	10.022	30.406	30.37	1.191	1.189	149.62	75.0	0.654	
28	13C-1,2,3,4,7,8-HxCDF	1.56e5	0.49	NO	1.06	10.022	33.076	33.06	0.988	0.988	170.96	85.7	0.542	
29	13C-1,2,3,6,7,8-HxCDF	1.63e5	0.52	NO	1.18	10.022	33.210	33.19	0.992	0.991	160.94	80.7	0.488	
30	13C-2,3,4,6,7,8-HxCDF	1.58e5	0.51	NO	1.06	10.022	33.783	33.78	1.009	1.009	172.69	86.5	0.543	
31	13C-1,2,3,7,8,9-HxCDF	1.31e5	0.50	NO	0.879	10.022	34.683	34.72	1.036	1.037	172.91	86.6	0.652	

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

Last Altered: Monday, June 08, 2020 16:47:07 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:48:01 Pacific Daylight Time

Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

		RA	n/y	RRF										
32	13C-1,2,3,4,6,7,8-HpCDF	1.47e5	0.41	NO	0.893	10.022	36.391	36.55	1.087	1.092	190.28	95.4	0.537	
33	13C-1,2,3,4,7,8,9-HpCDF	9.44e4	0.43	NO	0.613	10.022	38.399	38.35	1.147	1.146	178.20	89.3	0.781	
34	13C-OCDF	2.05e5	0.90	NO	0.741	10.022	40.977	41.29	1.224	1.233	320.40	80.3	0.499	
35	37Cl-2,3,7,8-TCDD	5.38e4			1.18	10.022	26.191	26.11	1.026	1.023	58.968	73.9	0.0909	
36	13C-1,2,3,4-TCDD	1.54e5	0.82	NO	1.00	10.022	25.480	25.53	1.000	1.000	199.55	100	0.422	
37	13C-1,2,3,4-TCDF	2.54e5	0.76	NO	1.00	10.022	24.020	24.06	1.000	1.000	199.55	100	0.498	
38	13C-1,2,3,4,6,9-HxCDF	1.72e5	0.51	NO	1.00	10.022	33.530	33.48	1.000	1.000	199.55	100	0.574	
39	Total Tetra-Dioxins				0.987	10.022	24.620		0.000		0.00000		0.0969	0.479
40	Total Penta-Dioxins				0.982	10.022	29.960		0.000				0.140	
41	Total Hexa-Dioxins				1.04	10.022	33.635		0.000		0.38908		0.158	0.389
42	Total Hepta-Dioxins				0.992	10.022	37.640		0.000		1.3551		0.233	1.36
43	Total Tetra-Furans				0.882	10.022	23.610		0.000		0.61384		0.0457	0.614
44	1st Func. Penta-Furans				1.05	10.022	27.090		0.000				0.0131	
45	Total Penta-Furans				1.05	10.022	29.275		0.000				0.0332	
46	Total Hexa-Furans				1.11	10.022	33.555		0.000				0.108	
47	Total Hepta-Furans				1.13	10.022	37.835		0.000				0.0360	

11

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

Last Altered: Monday, June 08, 2020 16:47:07 Pacific Daylight Time
 Printed: Monday, June 08, 2020 16:48:01 Pacific Daylight Time

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

Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	dy	Area	Area	Area	Area
Total Tetra-Dioxins	22.67	9.160e2	8.410e2	4.904e1	3.366e1	1.46	YES	0.000e0	0.00000	0.094512	0.0969
Total Tetra-Dioxins	23.02	8.410e2	9.890e2	7.071e1	5.831e1	1.21	YES	0.000e0	0.00000	0.16373	0.0969
Total Tetra-Dioxins	24.23	1.234e3	1.453e3	7.405e1	7.878e1	0.94	YES	0.000e0	0.00000	0.22121	0.0969

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	dy	Area	Area	Area	Area

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	dy	Area	Area	Area	Area
Total Hexa-Dioxins	32.45	2.677e3	2.508e3	1.347e2	1.116e2	1.21	NO	2.463e2	0.38908	0.38908	0.158

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	dy	Area	Area	Area	Area
Total Hepta-Dioxins	36.98	3.202e3	3.264e3	2.102e2	2.354e2	0.89	NO	4.456e2	0.76390	0.76390	0.233
1,2,3,4,6,7,8-HpCDD	37.83	3.072e3	2.894e3	1.699e2	1.749e2	0.97	NO	3.449e2	0.59115	0.59115	0.233

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	dy	Area	Area	Area	Area
Total Tetra-Furans	20.49	1.101e3	1.954e3	9.730e1	1.191e2	0.82	NO	2.164e2	0.28807	0.28807	0.0457
Total Tetra-Furans	21.74	1.013e3	1.620e3	1.089e2	1.358e2	0.80	NO	2.447e2	0.32576	0.32576	0.0457

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	dy	Area	Area	Area	Area

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

Last Altered: Monday, June 08, 2020 16:47:07 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:48:01 Pacific Daylight Time

Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

Penta-Furans

RT	m1	m2	m1	m2

Hexa-Furans

RT	m1	m2	m1	m2

Hepta-Furans

RT	m1	m2	m1	m2

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

Last Altered: Monday, June 08, 2020 09:51:44 Pacific Daylight Time

Printed: Monday, June 08, 2020 16:09:36 Pacific Daylight Time

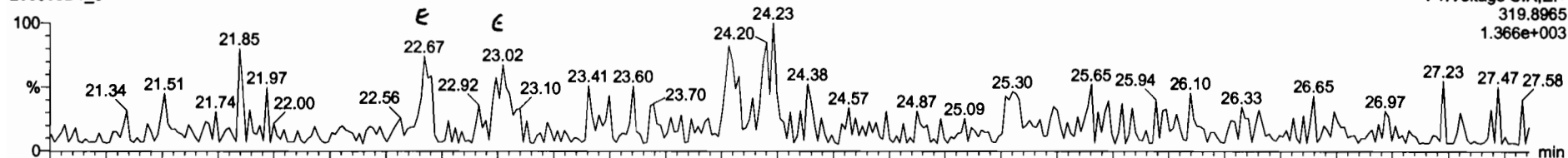
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Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

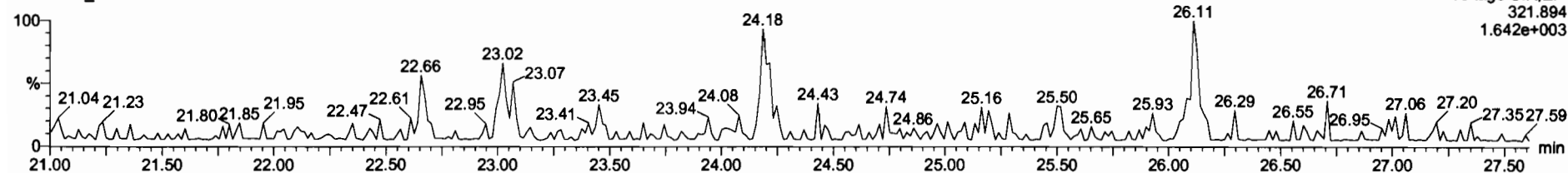
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2,3,7,8-TCDD

200605D1_8



200605D1_8

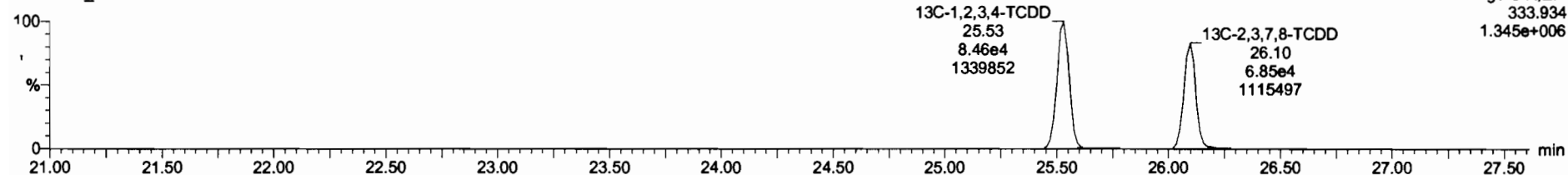


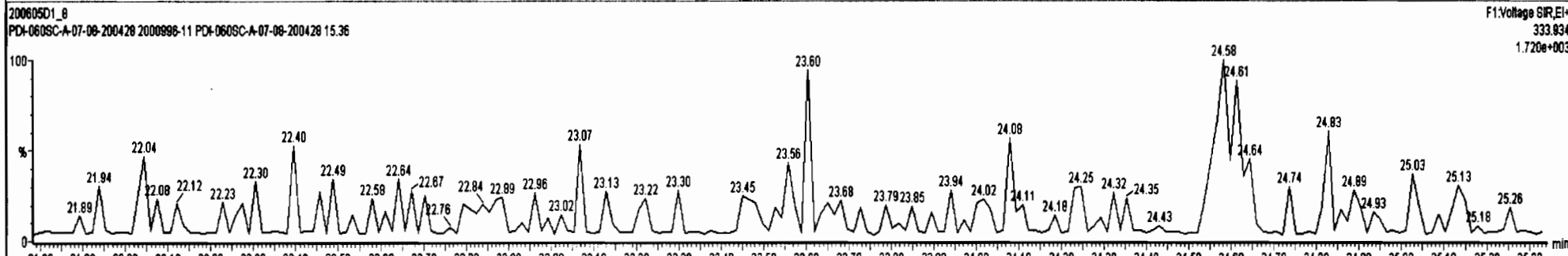
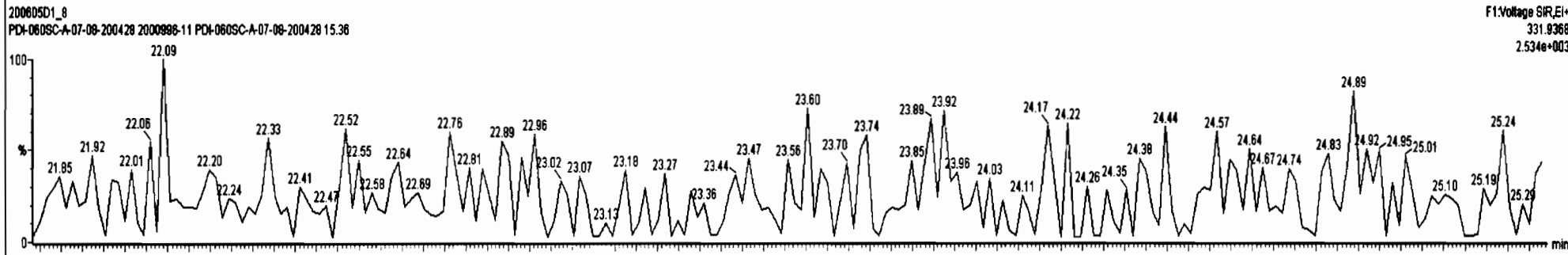
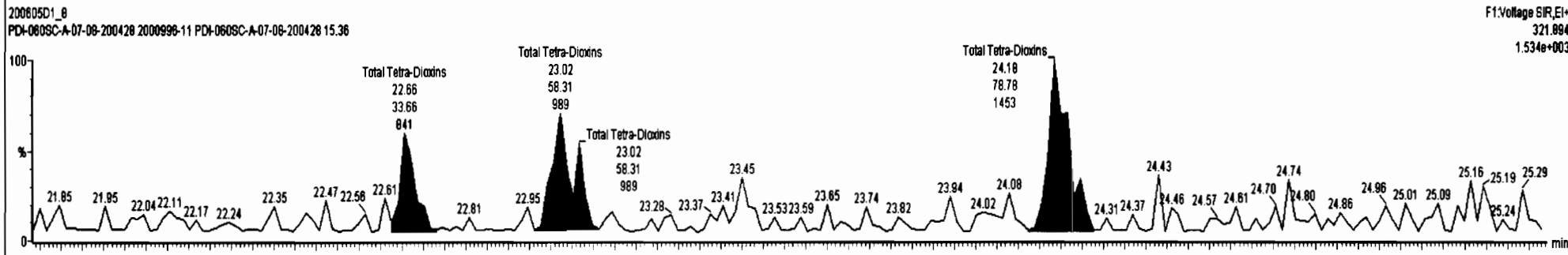
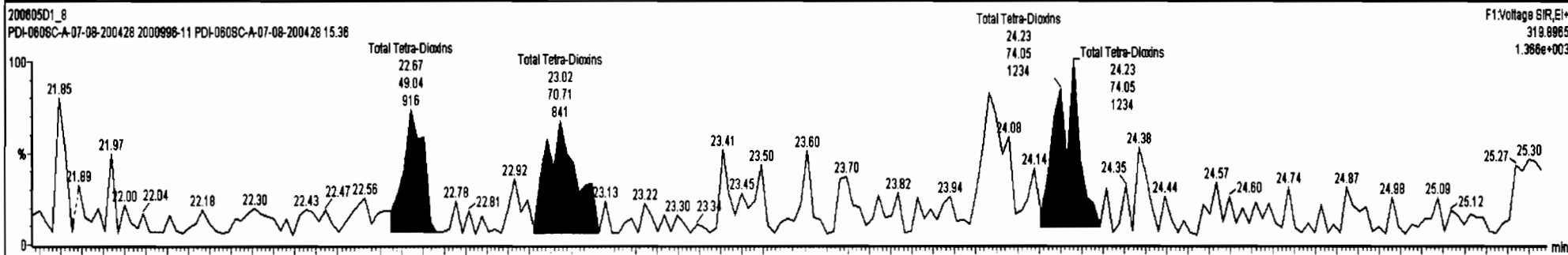
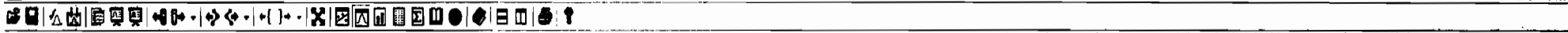
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200605D1_8



200605D1_8





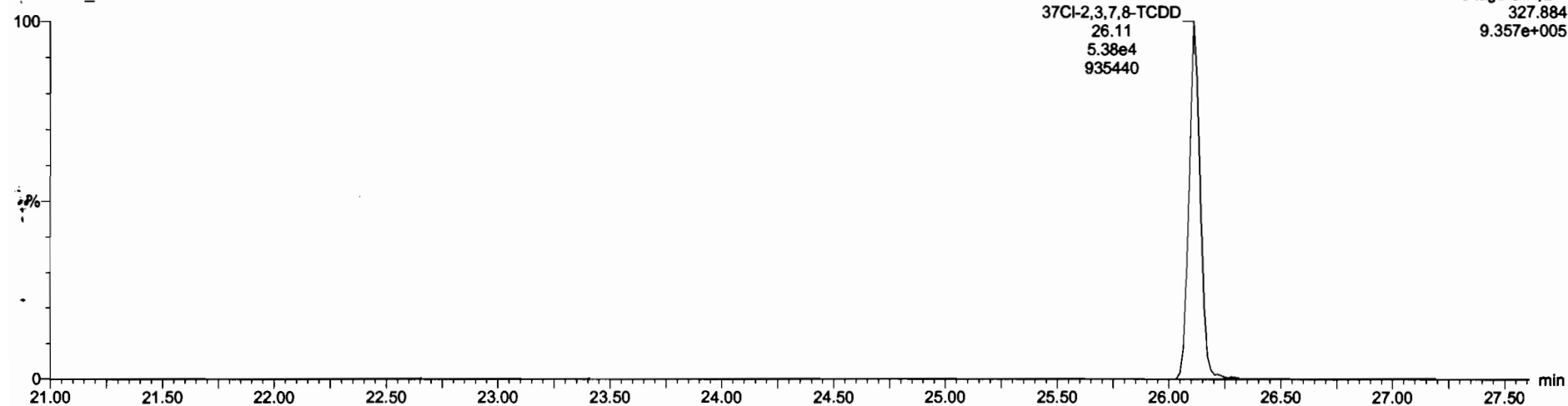
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Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

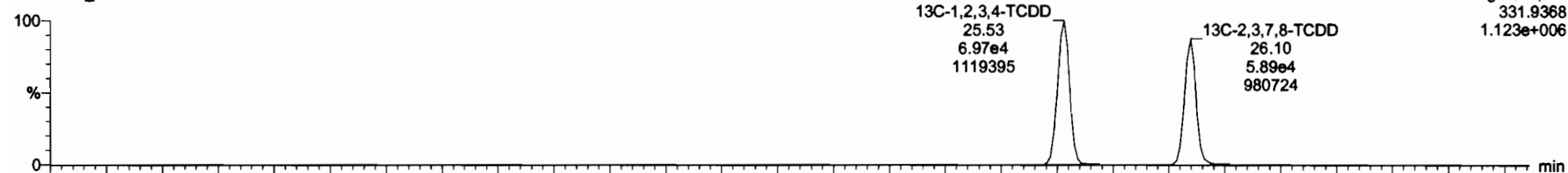
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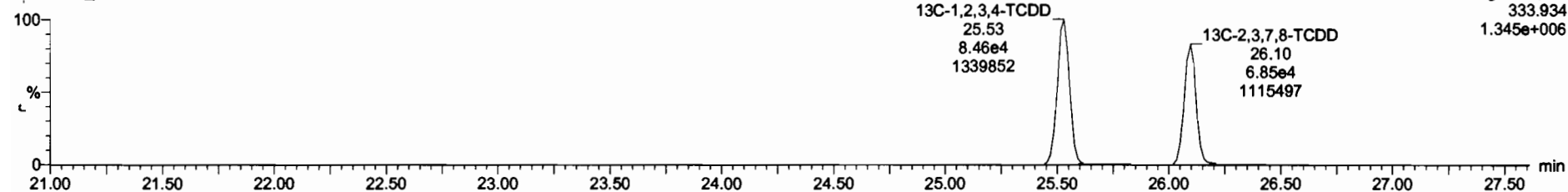


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200605D1_8



200605D1_8



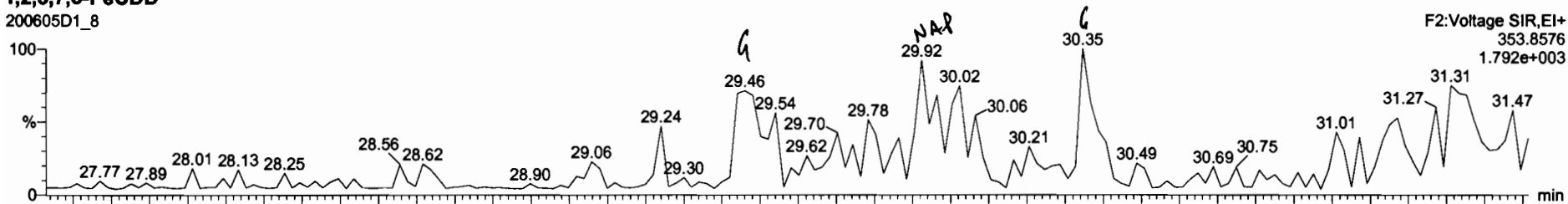
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Printed: Monday, June 08, 2020 16:09:36 Pacific Daylight Time

Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

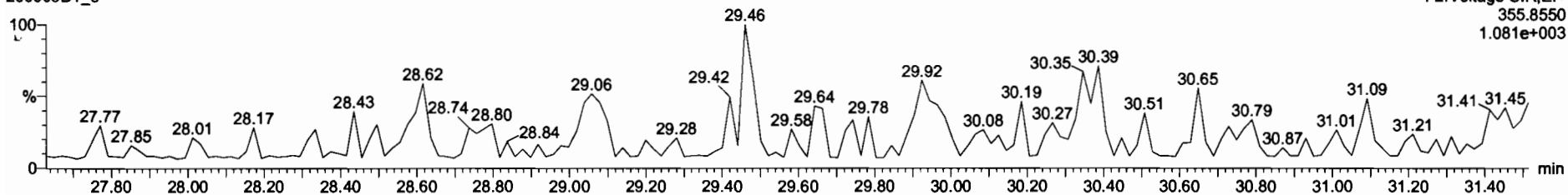
1,2,3,7,8-PeCDD

200605D1_8



F2:Voltage SIR,EI+
353.8576
1.792e+003

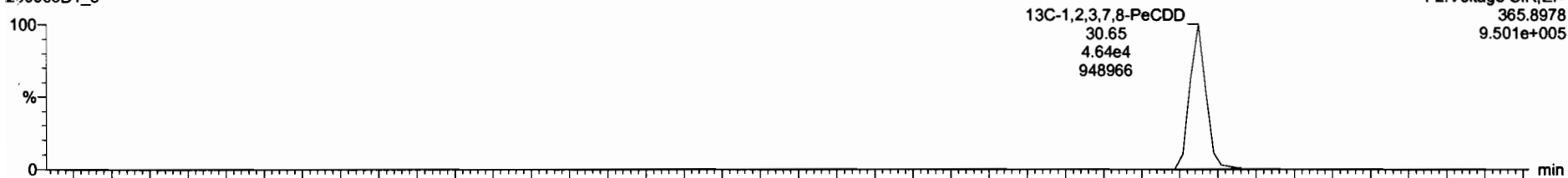
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F2:Voltage SIR,EI+
355.8550
1.081e+003

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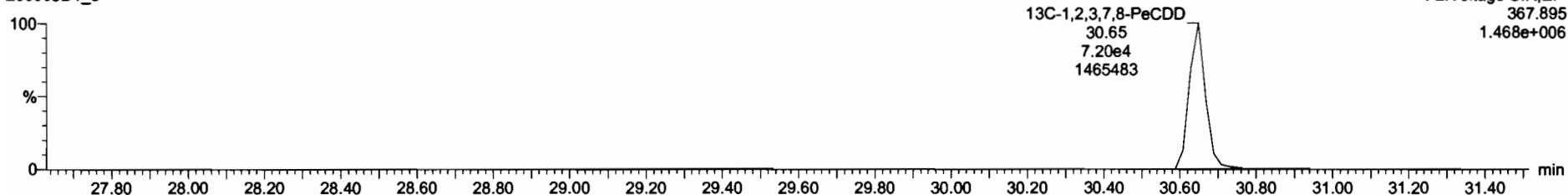
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¹³C-1,2,3,7,8-PeCDD
30.65
4.64e4
948966

F2:Voltage SIR,EI+
365.8978
9.501e+005

200605D1_8



¹³C-1,2,3,7,8-PeCDD
30.65
7.20e4
1465483

F2:Voltage SIR,EI+
367.895
1.468e+006

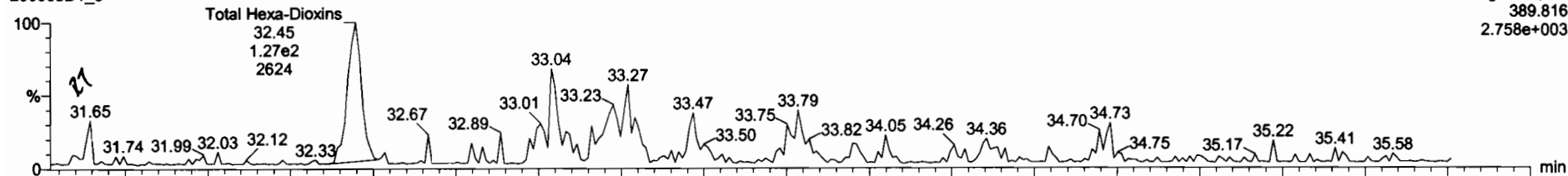
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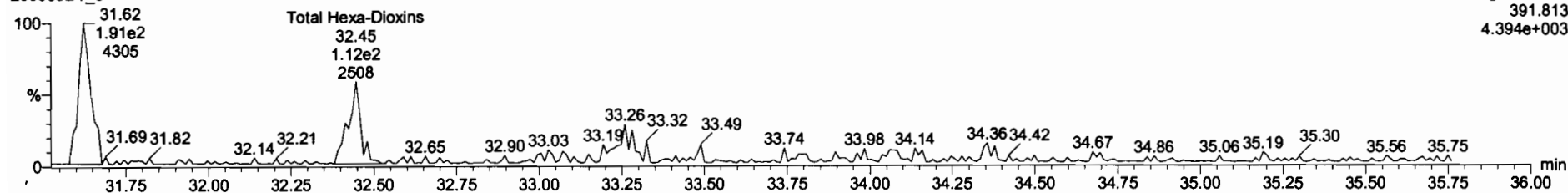
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1,2,3,4,7,8-HxCDD

200605D1_8

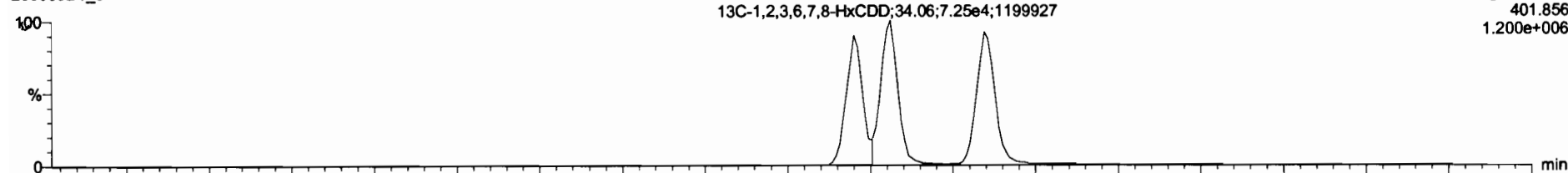


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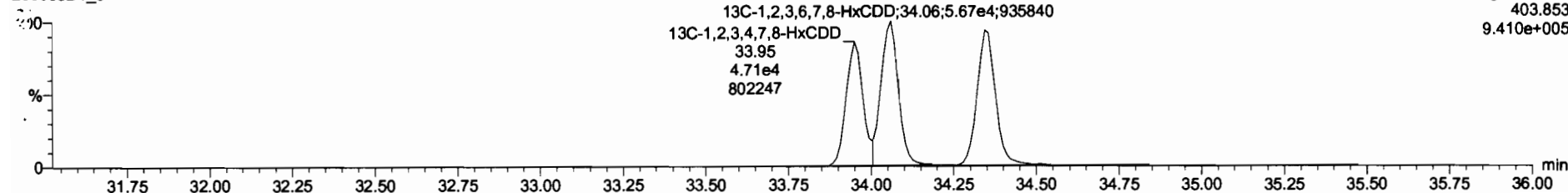


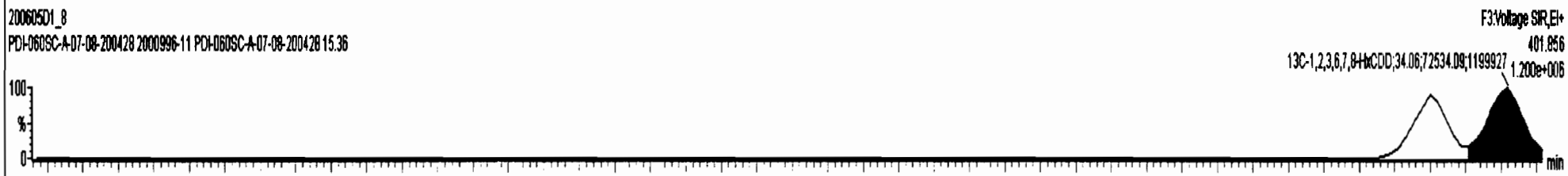
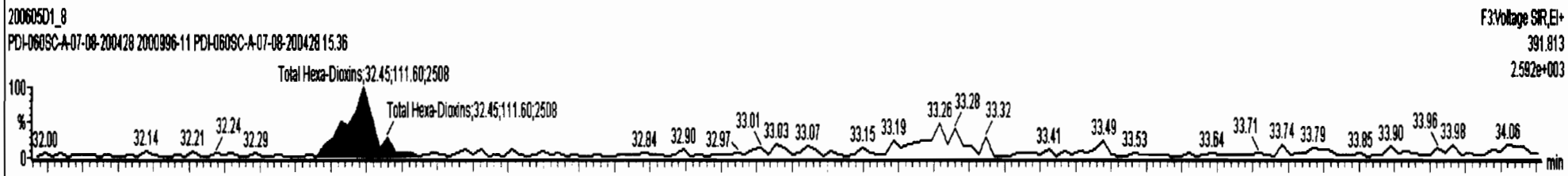
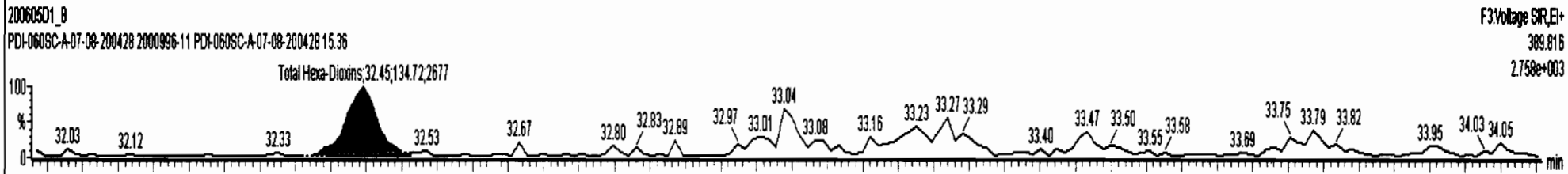
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200605D1_8



200605D1_8



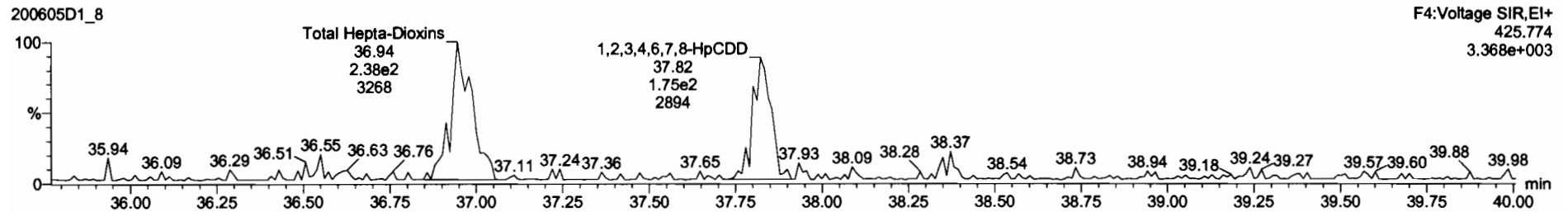
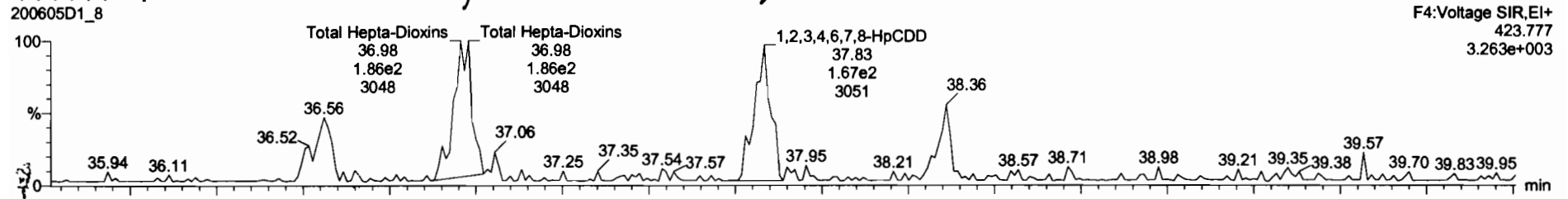


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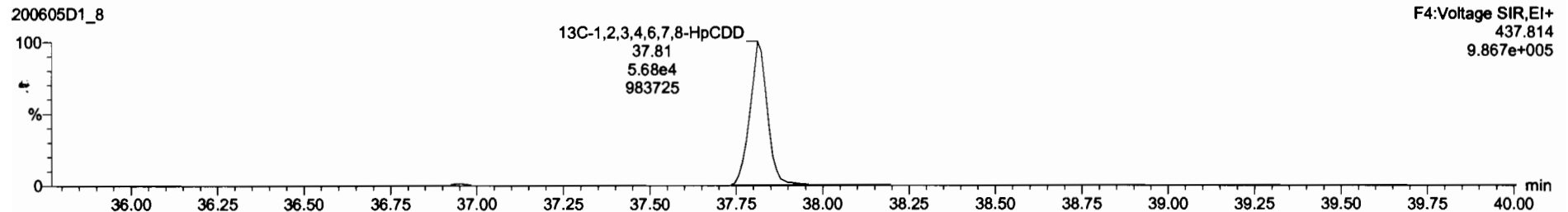
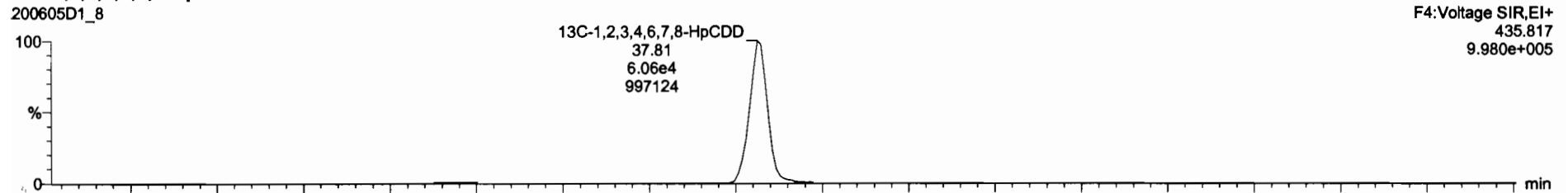
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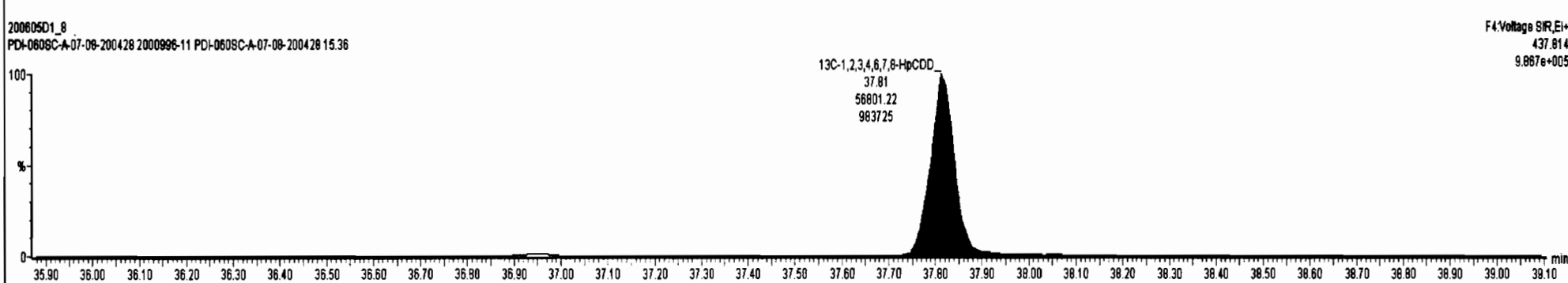
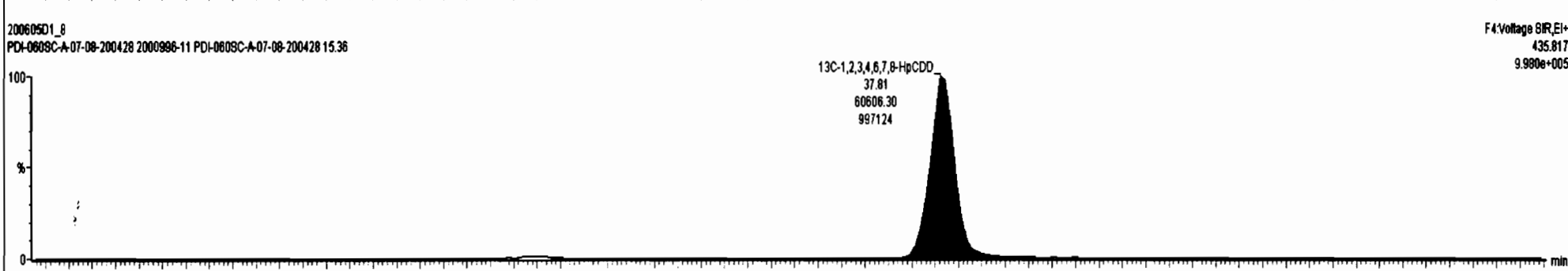
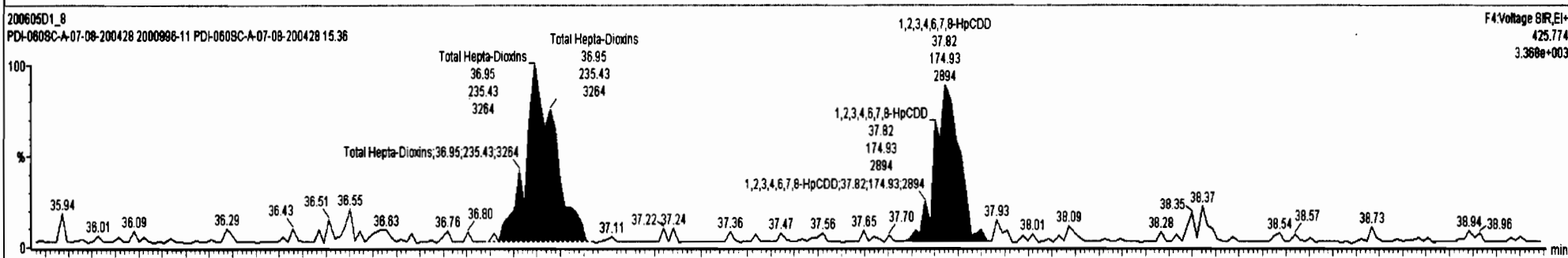
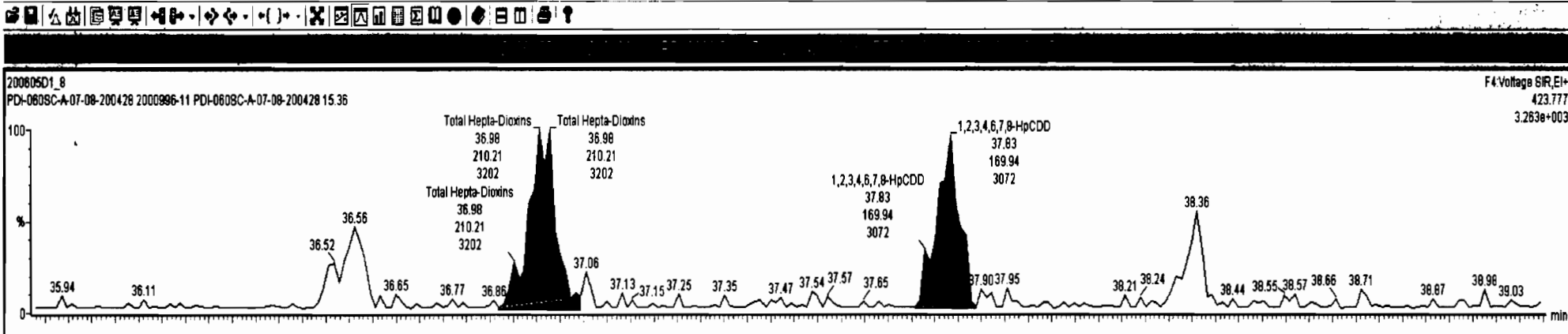
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1,2,3,4,6,7,8-HpCDD



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

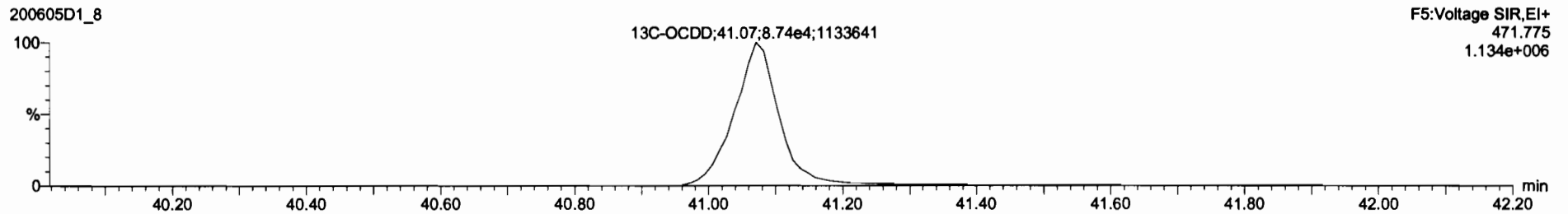
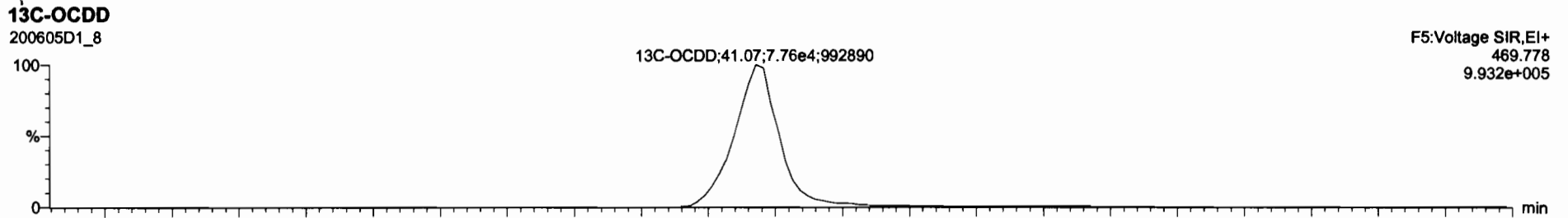
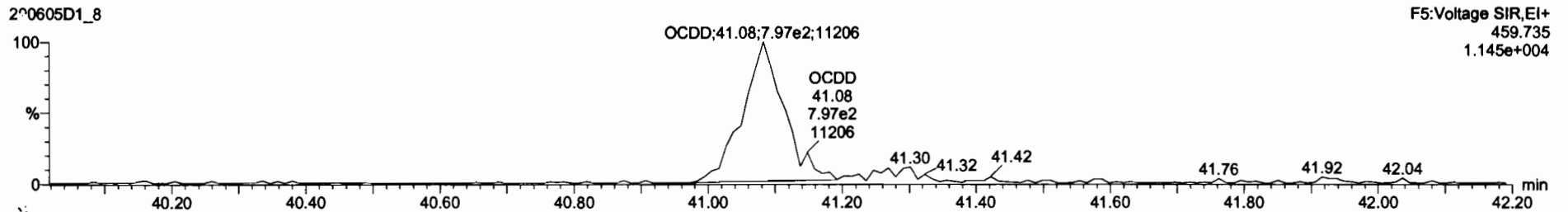
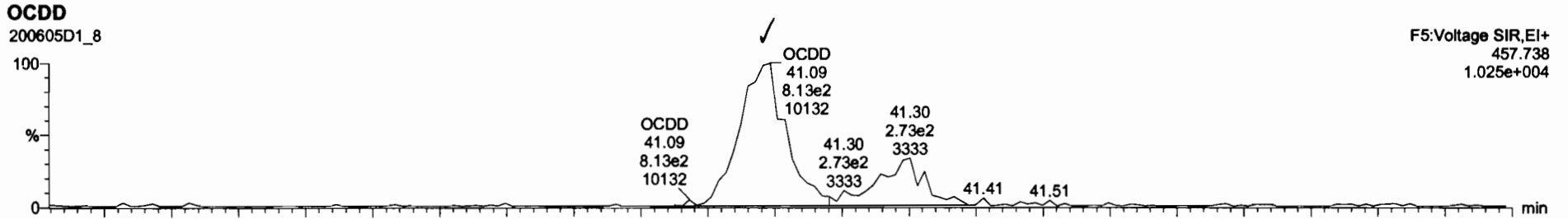


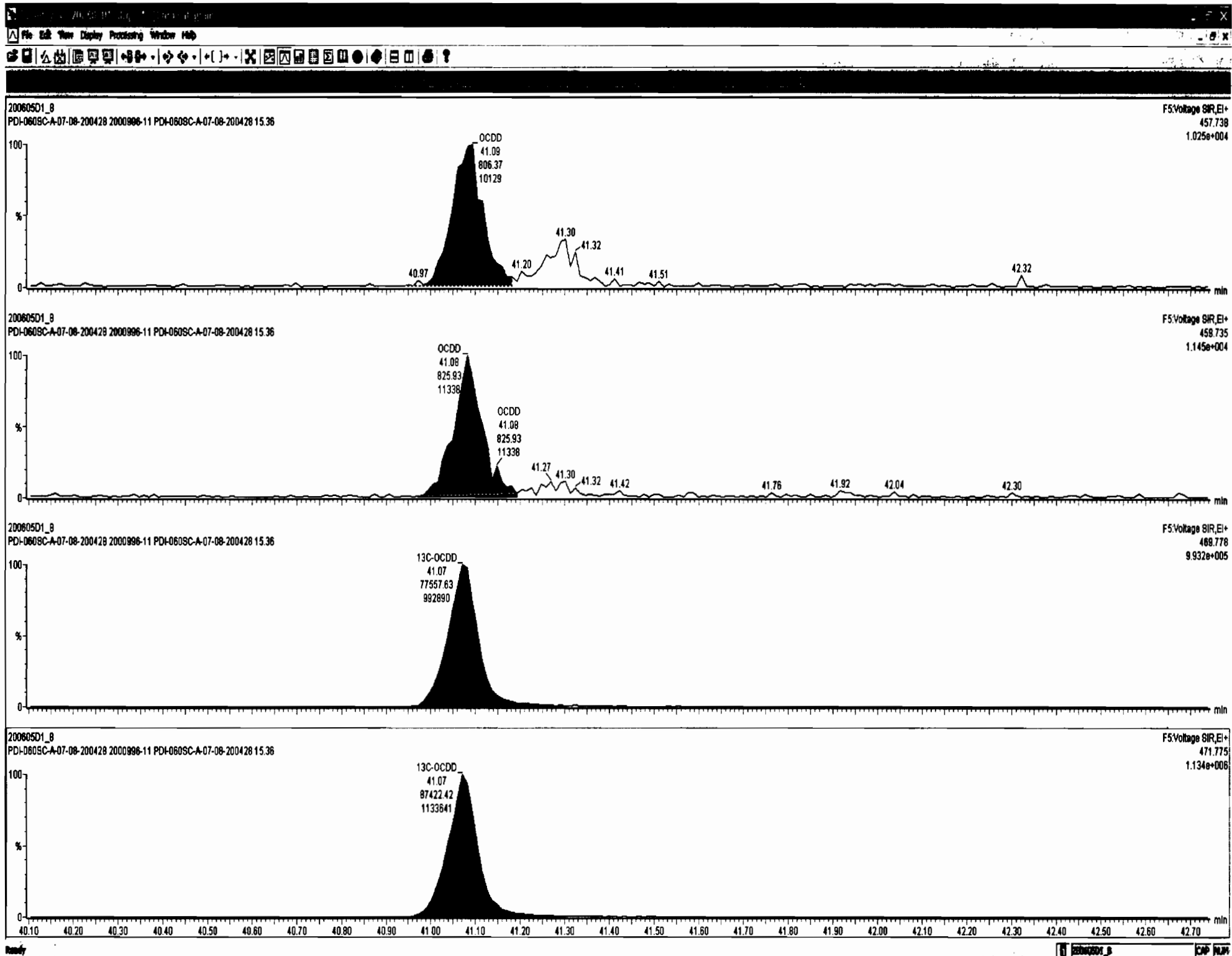


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

Last Altered: Monday, June 08, 2020 09:51:44 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:09:36 Pacific Daylight Time

Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428



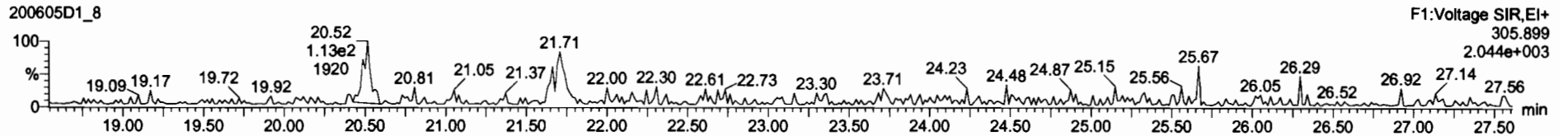
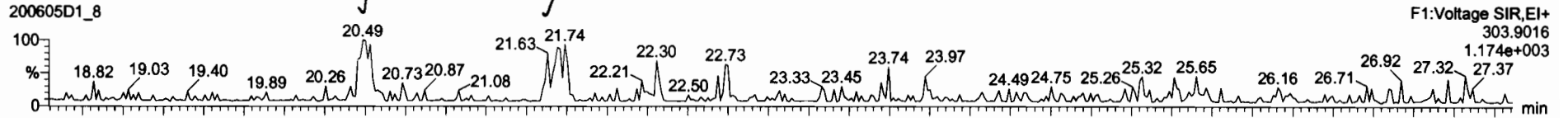


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

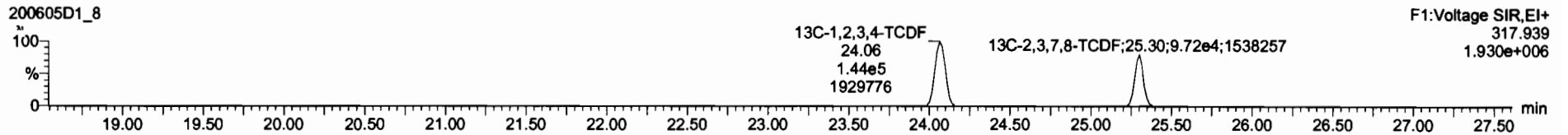
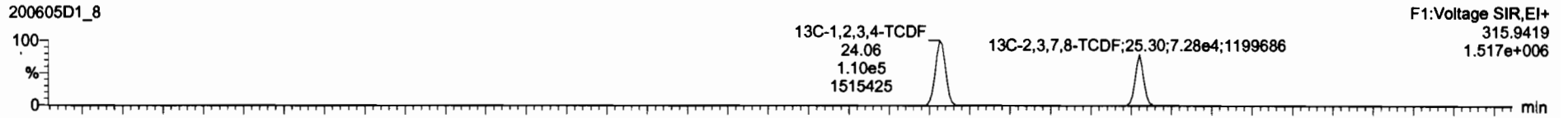
Last Altered: Monday, June 08, 2020 09:51:44 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:09:36 Pacific Daylight Time

Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

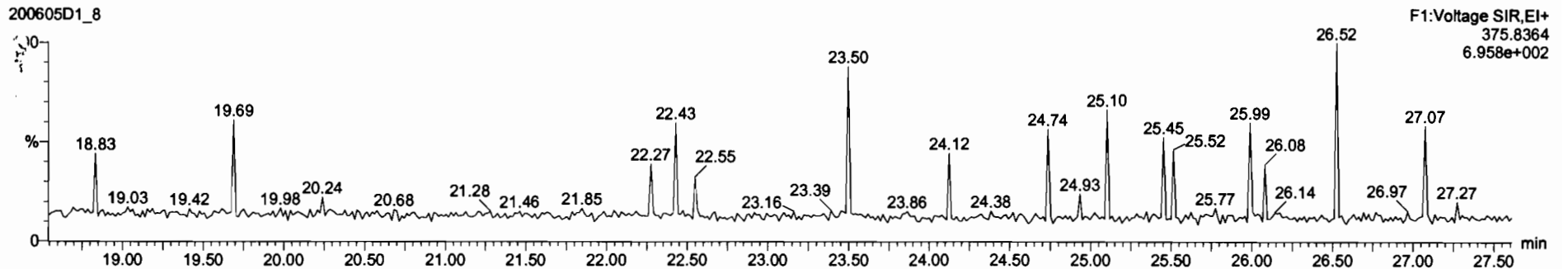
2,3,7,8-TCDF

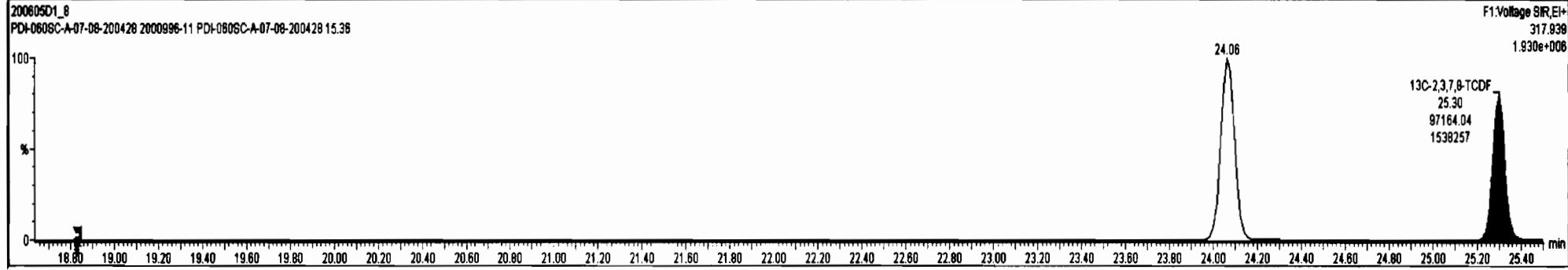
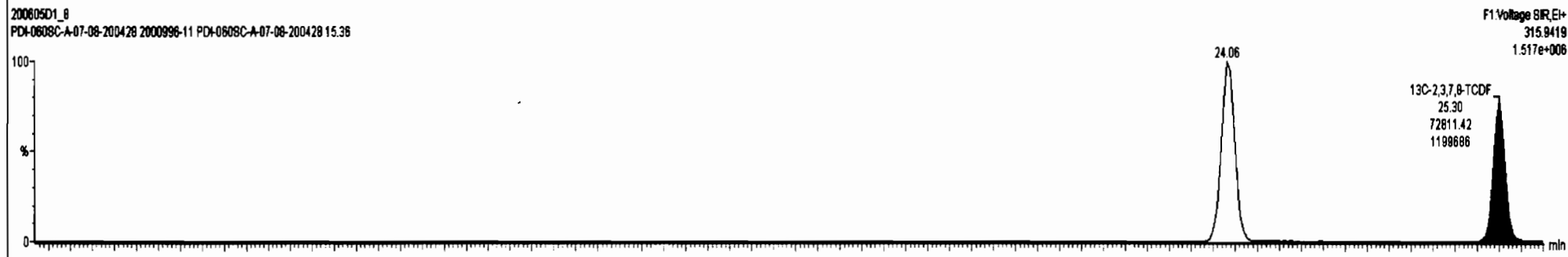
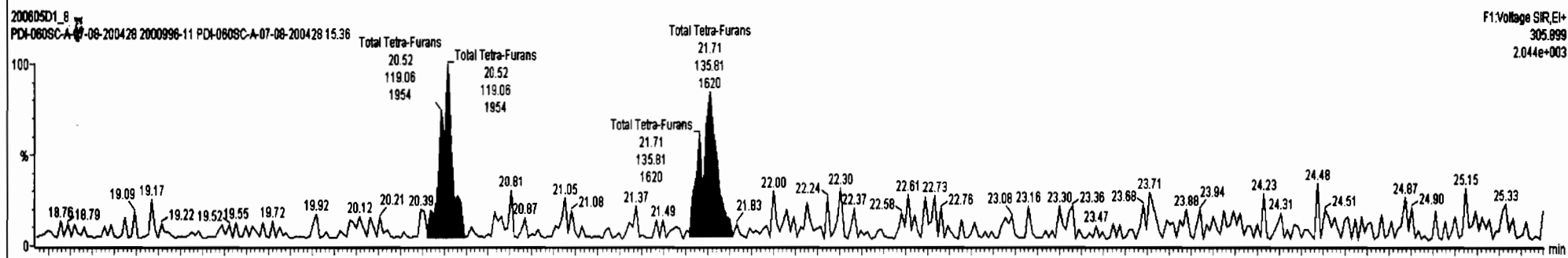
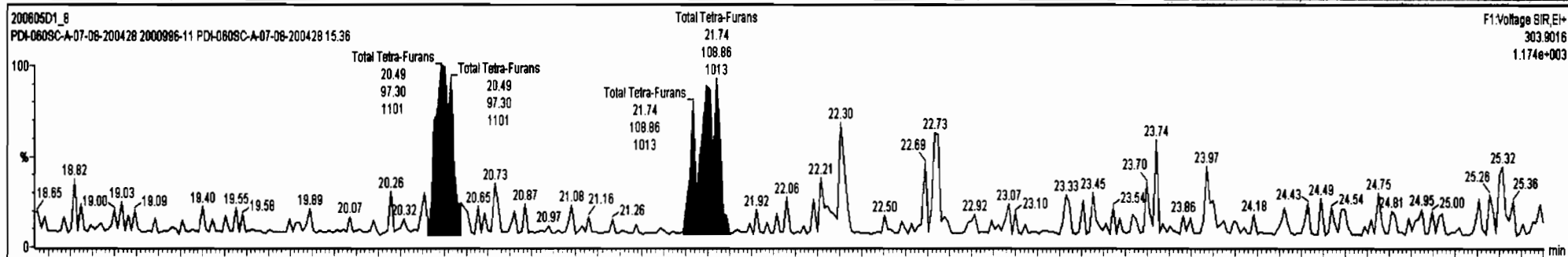


13C-2,3,7,8-TCDF



DPE1





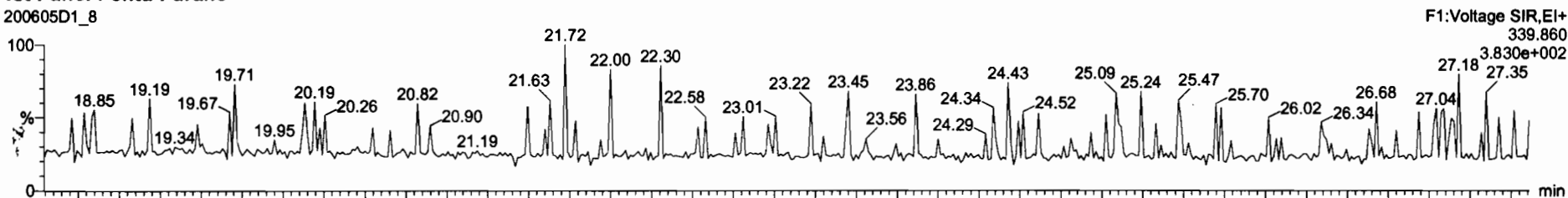
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Last Altered: Monday, June 08, 2020 09:51:44 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:09:36 Pacific Daylight Time

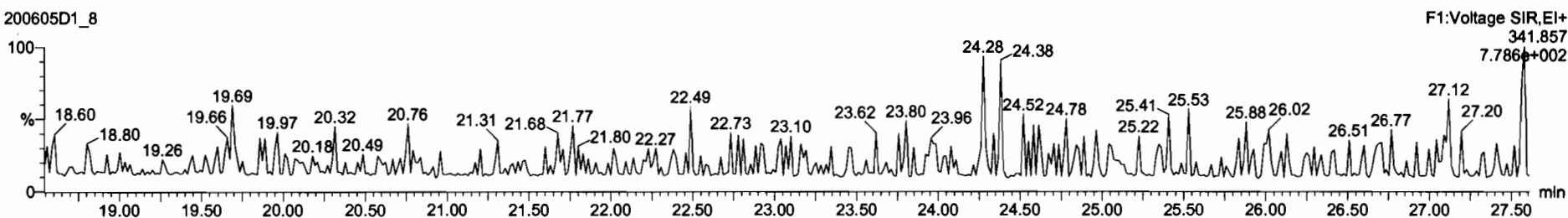
Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

1st Func. Penta-Furans

200605D1_8

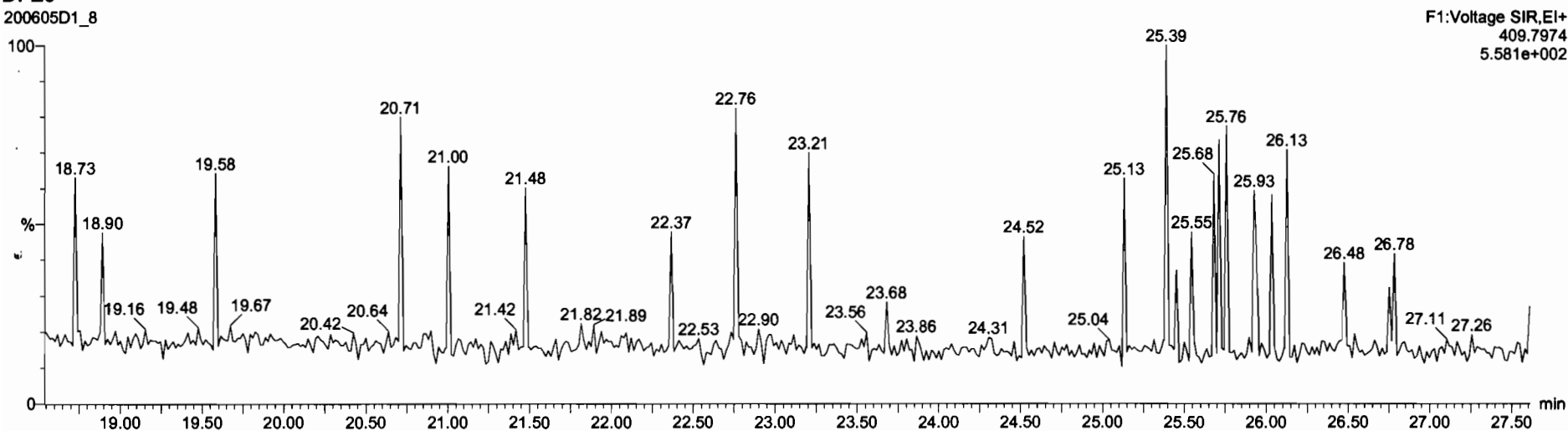


200605D1_8



DPE6

200605D1_8



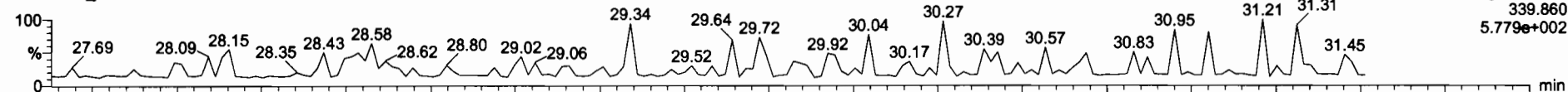
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Last Altered: Monday, June 08, 2020 09:51:44 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:09:36 Pacific Daylight Time

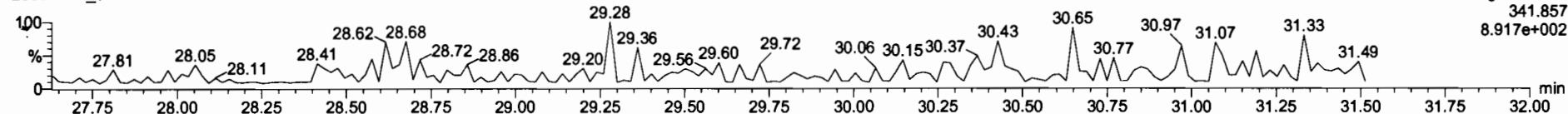
Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

1,2,3,7,8-PeCDF

200605D1_8

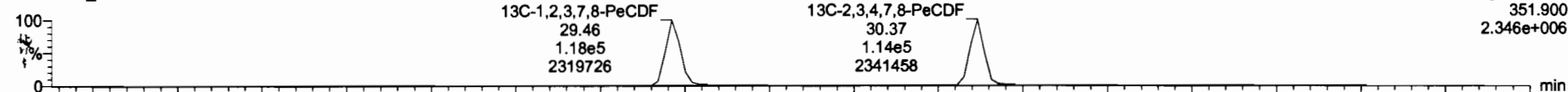


200605D1_8

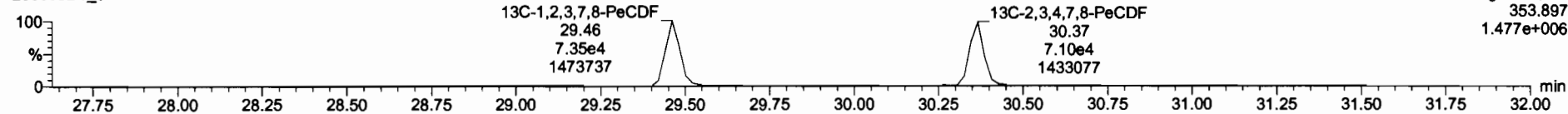


13C-1,2,3,7,8-PeCDF

200605D1_8

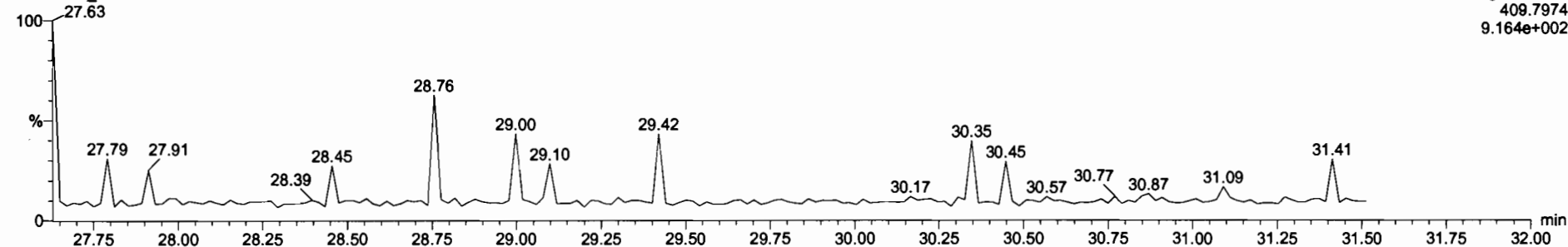


200605D1_8



DPE2

200605D1_8

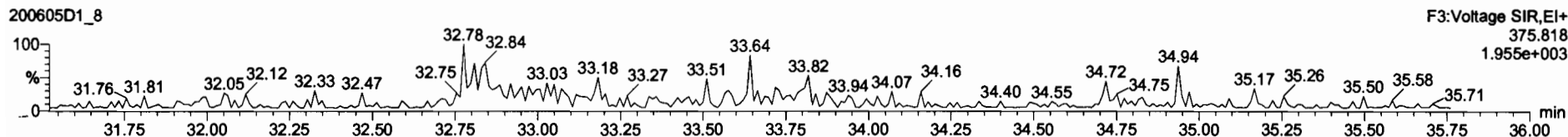
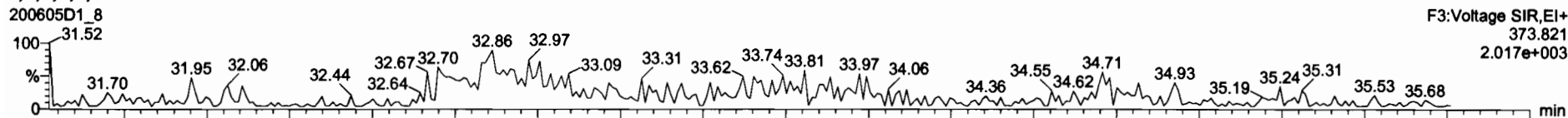


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

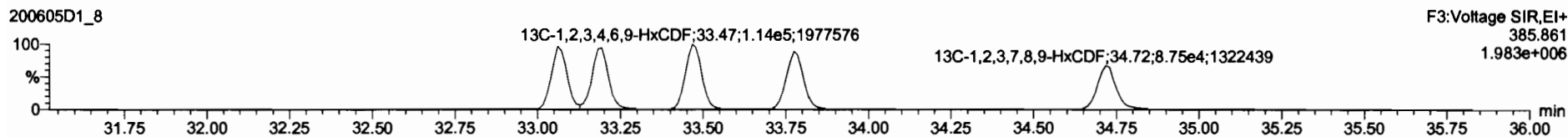
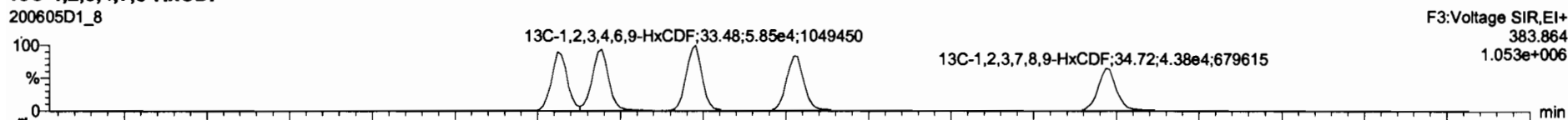
List Altered: Monday, June 08, 2020 09:51:44 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:09:36 Pacific Daylight Time

Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

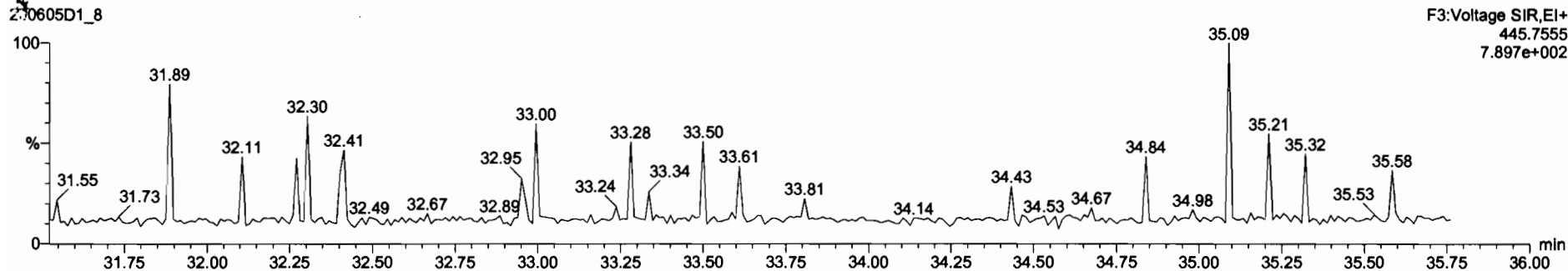
1,2,3,4,7,8-HxCDF



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



DPE3

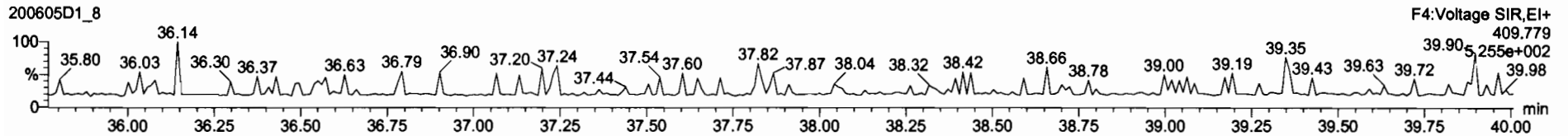
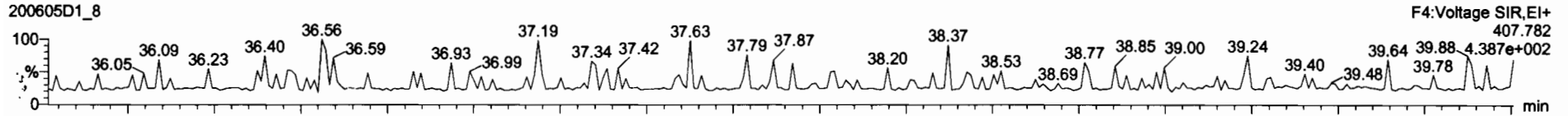


Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

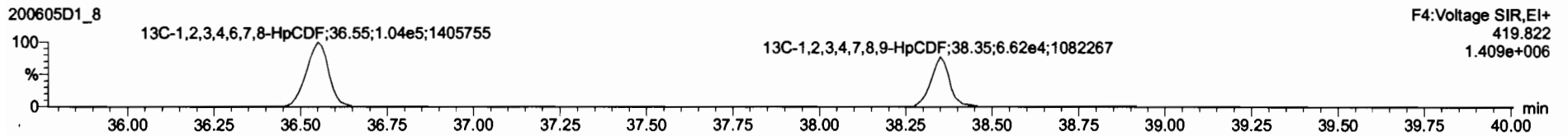
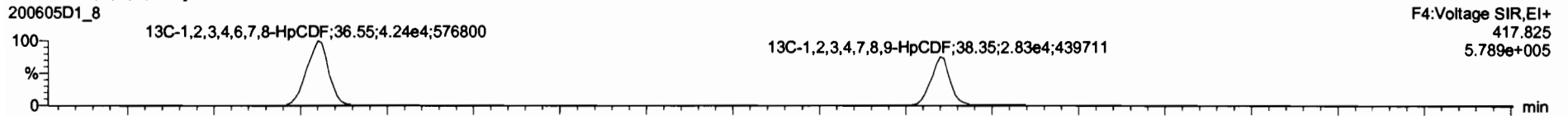
Last Altered: Monday, June 08, 2020 09:51:44 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:09:36 Pacific Daylight Time

Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428

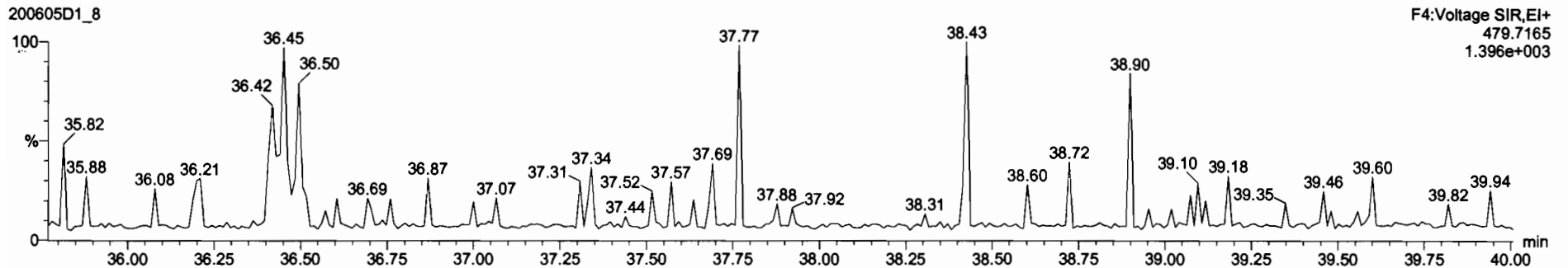
1,2,3,4,6,7,8-HpCDF



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



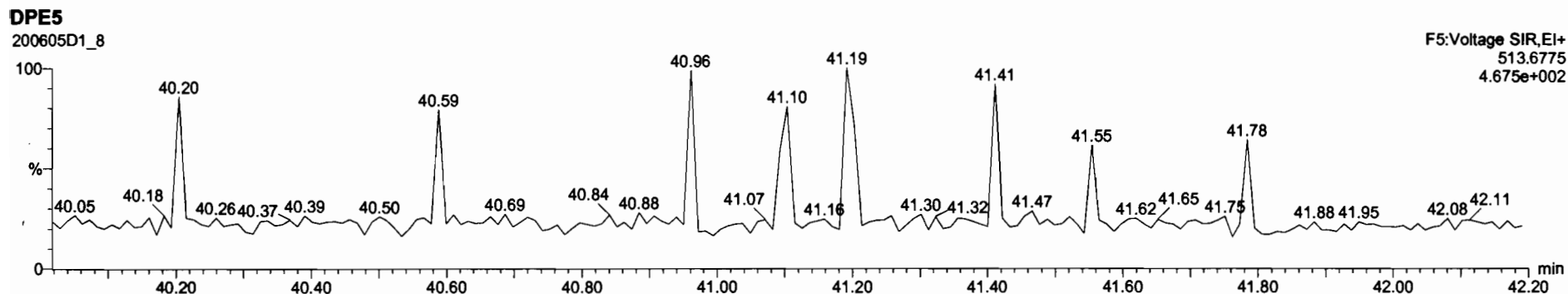
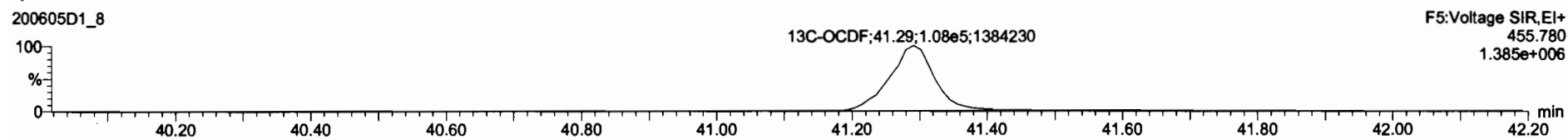
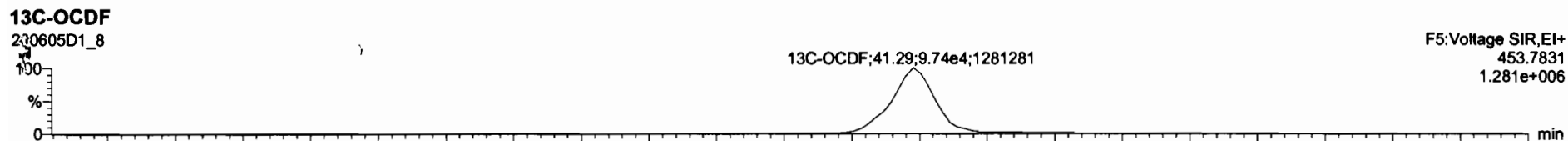
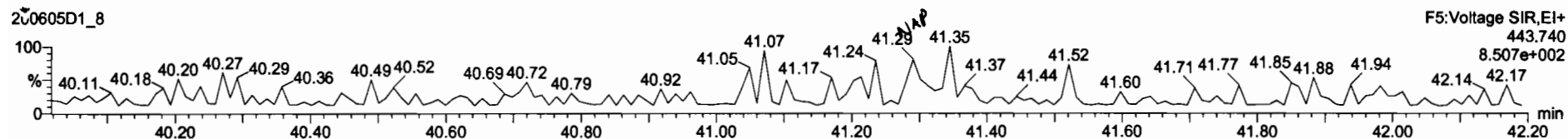
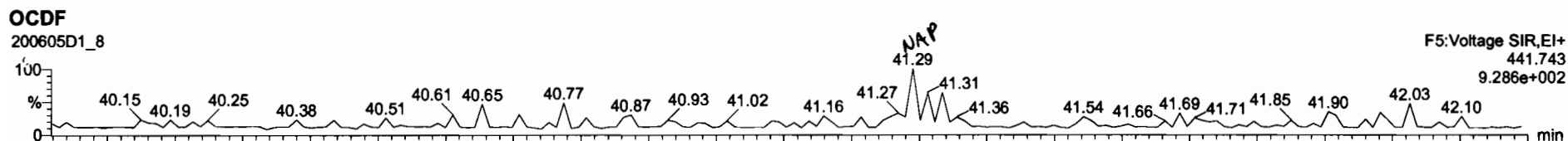
DPE4



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

Last Altered: Monday, June 08, 2020 09:51:44 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:09:36 Pacific Daylight Time

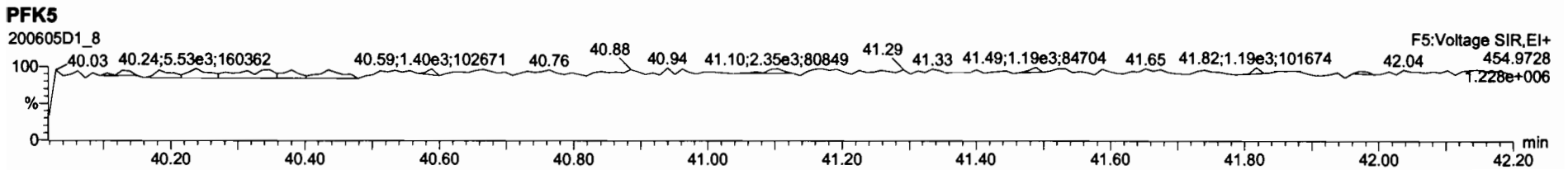
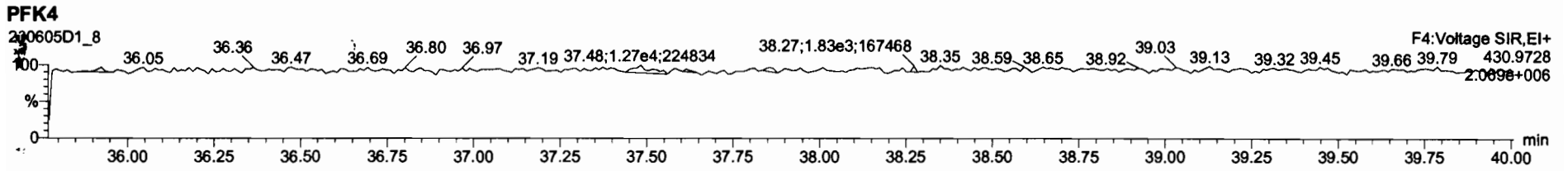
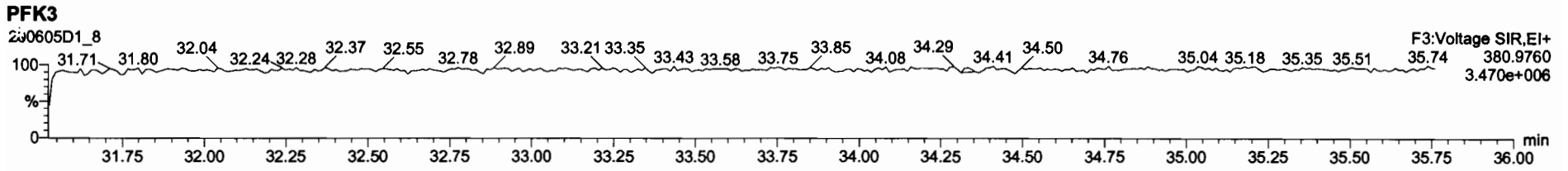
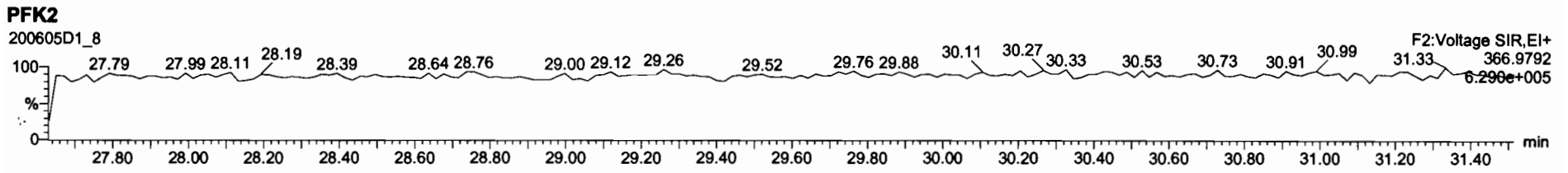
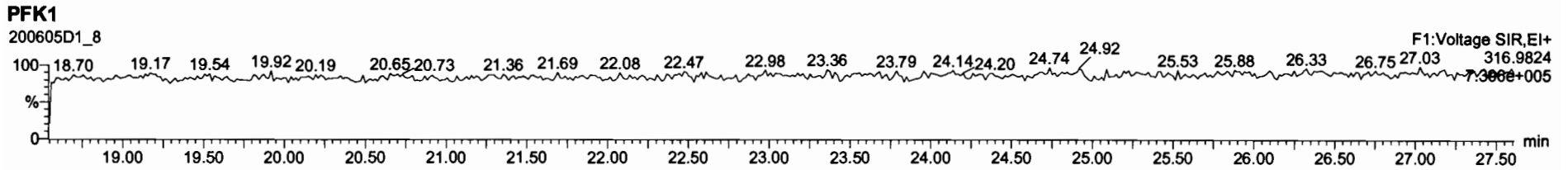
Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_8.qld

Last Altered: Monday, June 08, 2020 09:51:44 Pacific Daylight Time
Printed: Monday, June 08, 2020 16:09:36 Pacific Daylight Time

Name: 200605D1_8, Date: 05-Jun-2020, Time: 17:37:31, ID: 2000996-11 PDI-060SC-A-07-08-200428 15.36, Description: PDI-060SC-A-07-08-200428



Dataset: U:\VG7.PRO\Results\200615D1\200615D1_7.qld

Last Altered: Tuesday, June 16, 2020 10:14:18 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 10:15:42 Pacific Daylight Time

DB 6/16/20 C707/08/2020

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

Name: 200615D1_7, Date: 15-Jun-2020, Time: 18:00:19, ID: 2000996-12 PDI-060SC-A-08-09-200428 16.8, Description: PDI-060SC-A-08-09-200428

1	2,3,7,8-TCDD			NO	0.986	10.012	26.127		1.001					0.256
2	1,2,3,7,8-PeCDD			NO	0.964	10.012	30.670		1.001					0.159
3	1,2,3,4,7,8-HxCDD			NO	1.16	10.012	33.982		1.000					0.316
4	1,2,3,6,7,8-HxCDD			NO	1.01	10.012	34.093		1.000					0.362
5	1,2,3,7,8,9-HxCDD			NO	1.01	10.012	34.412		1.001					0.385
6	1,2,3,4,6,7,8-HpCDD	1.37e2	1.24	YES	0.997	10.012	37.900	37.88	1.000	1.000	0.69806		0.210	0.634
7	OCDD	8.54e2	0.77	NO	1.01	10.012	41.192	41.22	1.000	1.001	5.5665		0.480	5.57
8	2,3,7,8-TCDF			NO	0.833	10.012	25.326		1.001					0.188
9	1,2,3,7,8-PeCDF			NO	0.965	10.012	29.482		1.001					0.109
10	2,3,4,7,8-PeCDF			NO	1.01	10.012	30.397		1.001					0.0958
11	1,2,3,4,7,8-HxCDF			NO	1.09	10.012	33.083		1.000					0.0901
12	1,2,3,6,7,8-HxCDF			NO	1.07	10.012	33.225		1.000					0.0940
13	2,3,4,6,7,8-HxCDF			NO	1.15	10.012	33.830		1.001					0.100
14	1,2,3,7,8,9-HxCDF			NO	1.11	10.012	34.740		1.000					0.151
15	1,2,3,4,6,7,8-HpCDF			NO	1.16	10.012	36.642		1.001					0.0935
16	1,2,3,4,7,8,9-HpCDF			NO	1.35	10.012	38.427		1.000					0.113
17	OCDF			NO	0.949	10.012	41.423		1.000					0.162
18	13C-2,3,7,8-TCDD	5.51e4	0.79	NO	1.26	10.012	26.195	26.10	1.026	1.022	171.71	86.0		0.562
19	13C-1,2,3,7,8-PeCDD	4.95e4	0.63	NO	0.921	10.012	30.688	30.65	1.202	1.200	210.94	106		0.503
20	13C-1,2,3,4,7,8-HxCDD	4.26e4	1.34	NO	0.707	10.012	33.958	33.97	1.014	1.014	189.25	94.7		0.975
21	13C-1,2,3,6,7,8-HxCDD	4.91e4	1.34	NO	0.829	10.012	34.068	34.09	1.017	1.018	186.23	93.2		0.832
22	13C-1,2,3,7,8,9-HxCDD	4.73e4	1.27	NO	0.808	10.012	34.340	34.38	1.025	1.027	183.97	92.1		0.854
23	13C-1,2,3,4,6,7,8-HpCDD	3.94e4	1.10	NO	0.662	10.012	37.809	37.89	1.129	1.131	187.14	93.7	1.27	
24	13C-OCDD	6.05e4	0.92	NO	0.608	10.012	40.836	41.19	1.219	1.230	312.47	78.2		0.833
25	13C-2,3,7,8-TCDF	8.95e4	0.76	NO	1.07	10.012	25.276	25.30	0.990	0.991	172.28	86.2		0.724
26	13C-1,2,3,7,8-PeCDF	8.29e4	1.70	NO	0.826	10.012	29.506	29.46	1.156	1.154	206.11	103		0.901
27	13C-2,3,4,7,8-PeCDF	8.20e4	1.68	NO	0.796	10.012	30.407	30.37	1.191	1.189	211.67	106		0.935
28	13C-1,2,3,4,7,8-HxCDF	6.69e4	0.49	NO	1.08	10.012	33.087	33.08	0.988	0.988	195.48	97.9		1.11
29	13C-1,2,3,6,7,8-HxCDF	6.90e4	0.49	NO	1.12	10.012	33.221	33.22	0.992	0.992	192.84	96.5		1.06
30	13C-2,3,4,6,7,8-HxCDF	6.38e4	0.48	NO	1.02	10.012	33.794	33.80	1.009	1.009	195.80	98.0		1.17
31	13C-1,2,3,7,8,9-HxCDF	5.10e4	0.48	NO	0.887	10.012	34.695	34.74	1.036	1.037	180.86	90.5		1.35

Dataset: U:\VG7.PRO\Results\200615D1\200615D1_7.qld

Last Altered: Tuesday, June 16, 2020 10:14:18 Pacific Daylight Time

Printed: Tuesday, June 16, 2020 10:15:42 Pacific Daylight Time

Name: 200615D1_7, Date: 15-Jun-2020, Time: 18:00:19, ID: 2000996-12 PDI-060SC-A-08-09-200428 16.8, Description: PDI-060SC-A-08-09-200428

32	13C-1,2,3,4,6,7,8-HpCDF	5.03e4	0.42	NO	0.811	10.012	36.403	36.60	1.087	1.093	194.95	97.6	1.08	
33	13C-1,2,3,4,7,8,9-HpCDF	3.35e4	0.42	NO	0.598	10.012	38.412	38.43	1.147	1.147	175.81	88.0	1.47	
34	13C-OCDF	7.73e4	0.86	NO	0.752	10.012	40.991	41.42	1.224	1.237	322.83	80.8	0.673	
35	37Cl-2,3,7,8-TCDD	2.02e4			1.24	10.012	26.192	26.11	1.026	1.023	63.825	79.9	0.145	
36	13C-1,2,3,4-TCDD	5.09e4	0.83	NO	1.00	10.012	25.480	25.53	1.000	1.000	199.76	100	0.708	
37	13C-1,2,3,4-TCDF	9.72e4	0.79	NO	1.00	10.012	24.020	24.06	1.000	1.000	199.76	100	0.773	
38	13C-1,2,3,4,6,9-HxCDF	6.36e4	0.50	NO	1.00	10.012	33.530	33.49	1.000	1.000	199.76	100	1.19	
39	Total Tetra-Dioxins				0.986	10.012	24.620		0.000		0.57049		0.102	0.570
40	Total Penta-Dioxins				0.964	10.012	29.960		0.000				0.0501	
41	Total Hexa-Dioxins				1.01	10.012	33.635		0.000		0.00000		0.274	0.518
42	Total Hepta-Dioxins				0.997	10.012	37.640		0.000		1.0406		0.210	1.68
43	Total Tetra-Furans				0.833	10.012	23.610		0.000		0.51828		0.0848	0.518
44	1st Func. Penta-Furans				0.965	10.012	27.090		0.000				0.0167	
45	Total Penta-Furans				0.965	10.012	29.275		0.000				0.0454	
46	Total Hexa-Furans				1.15	10.012	33.555		0.000				0.0627	
47	Total Hepta-Furans				1.16	10.012	37.835		0.000				0.0730	

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200615D1\200615D1_7.qld

Last Altered: Tuesday, June 16, 2020 10:14:18 Pacific Daylight Time

Printed: Tuesday, June 16, 2020 10:15:42 Pacific Daylight Time

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

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

Name: 200615D1_7, Date: 15-Jun-2020, Time: 18:00:19, ID: 2000996-12 PDI-060SC-A-08-09-200428 16.8, Description: PDI-060SC-A-08-09-200428

Tetra-Dioxins

Total Tetra-Dioxins	24.23	1.577e3	2.299e3	7.227e1	8.283e1	0.87	NO	1.551e2	0.57049	0.57049	0.102
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Penta-Dioxins

[Redacted]											
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Hexa-Dioxins

Total Hexa-Dioxins	32.44	2.178e3	1.361e3	9.245e1	5.406e1	1.71	YES	0.000e0	0.00000	0.51820	0.274
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Hepta-Dioxins

Total Hepta-Dioxins	37.06	1.557e3	1.484e3	1.062e2	9.838e1	1.08	NO	2.046e2	1.0406	1.0406	0.210
1,2,3,4,6,7,8-HpCDD	37.88	1.778e3	1.237e3	7.610e1	6.113e1	1.24	YES	1.372e2	0.00000	0.63436	0.210

Tetra-Furans

Total Tetra-Furans	20.50	5.110e2	9.900e2	2.573e1	3.898e1	0.66	NO	6.471e1	0.17320	0.17320	0.0848
Total Tetra-Furans	21.74	7.390e2	9.180e2	6.028e1	6.864e1	0.88	NO	1.289e2	0.34508	0.34508	0.0848

Penta-Furans function 1

[Redacted]											
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Dataset: U:\VG7.PRO\Results\200615D1\200615D1_7.qld

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Printed: Tuesday, June 16, 2020 10:15:42 Pacific Daylight Time

Name: 200615D1_7, Date: 15-Jun-2020, Time: 18:00:19, ID: 2000996-12 PDI-060SC-A-08-09-200428 16.8, Description: PDI-060SC-A-08-09-200428

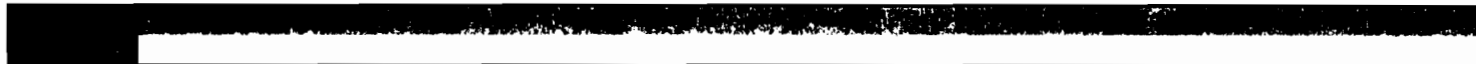
Penta-Furans



Hexa-Furans



Hepta-Furans



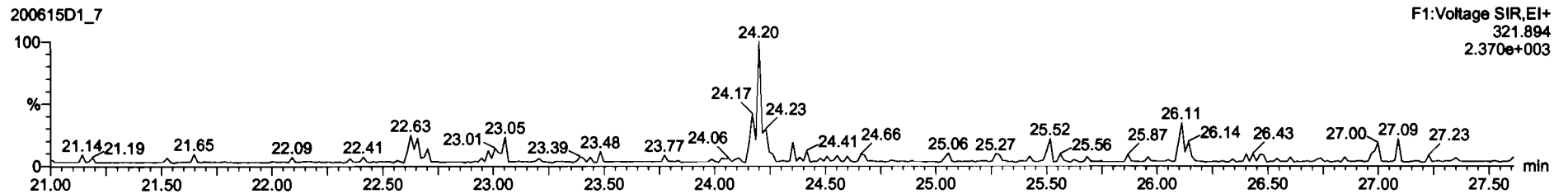
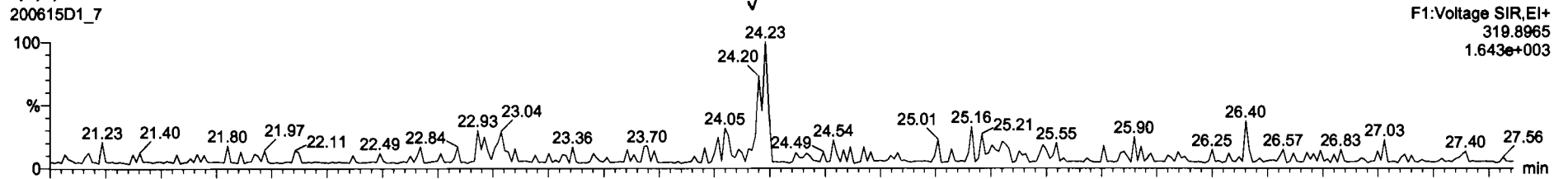
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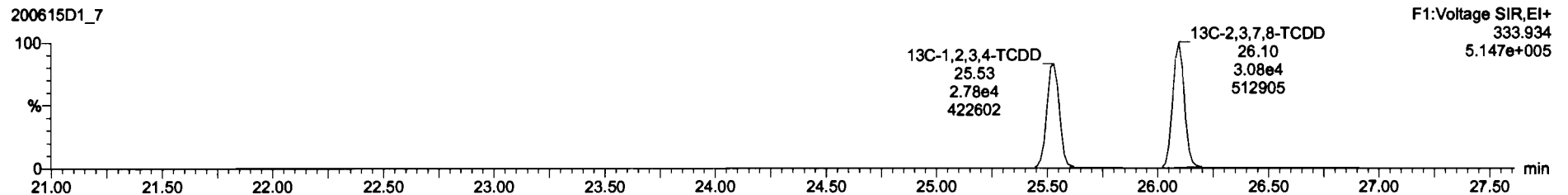
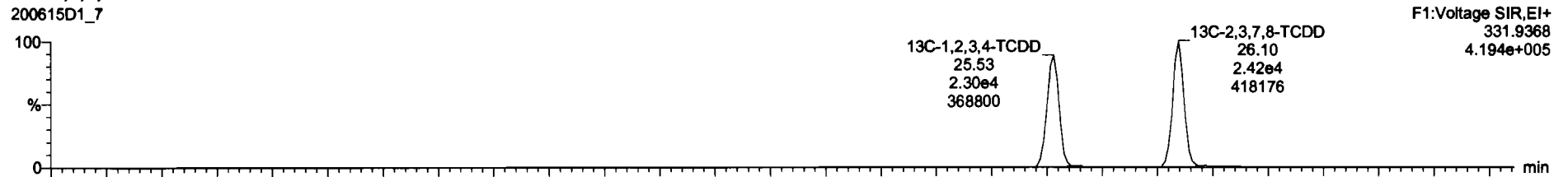
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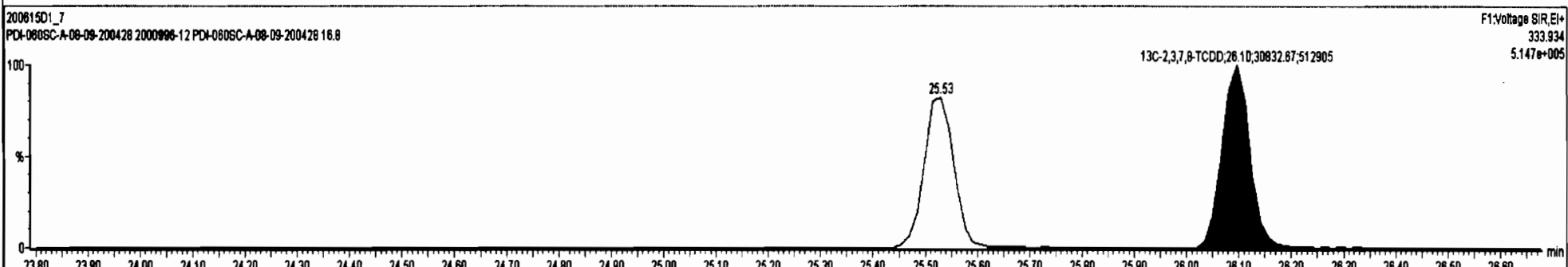
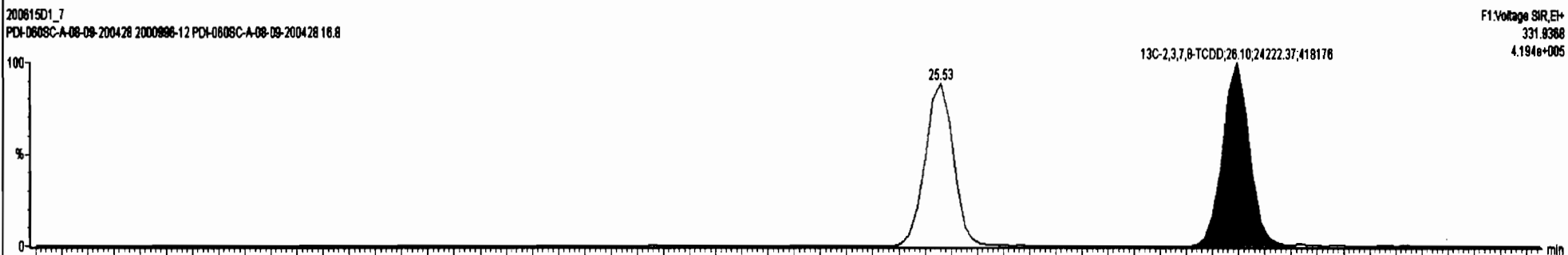
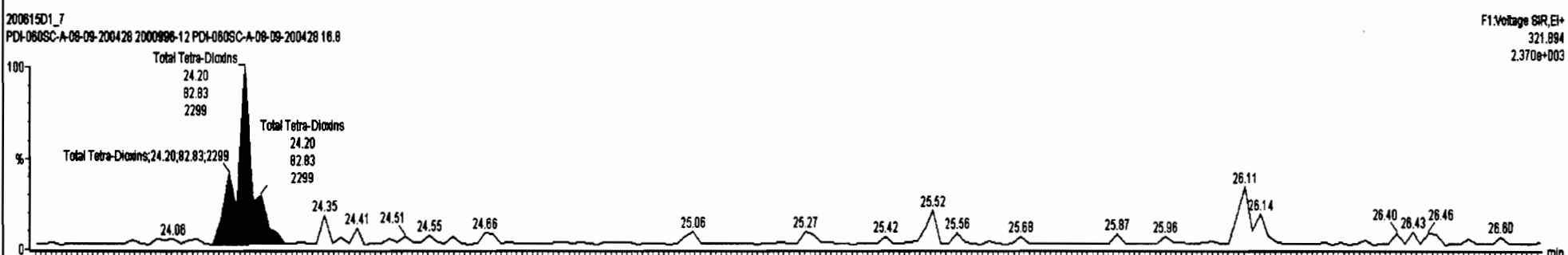
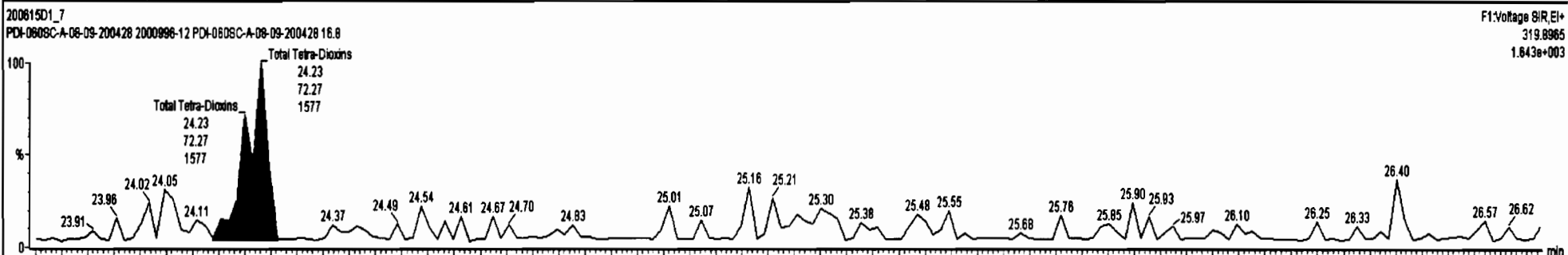
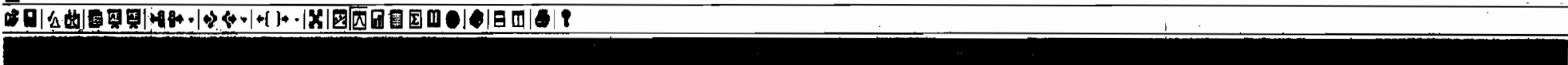
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2,3,7,8-TCDD



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



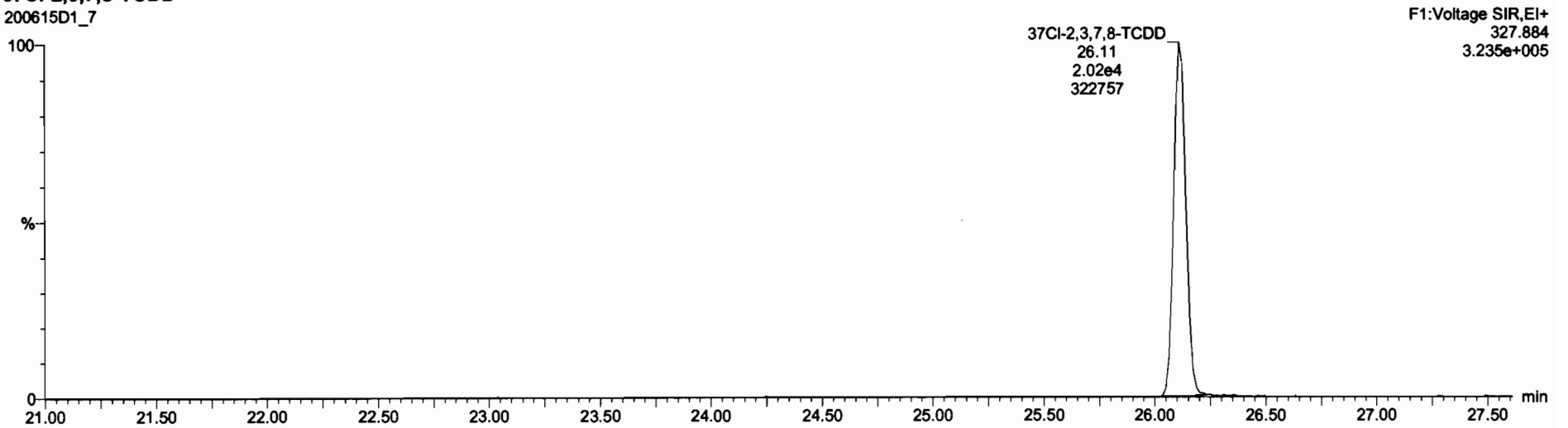


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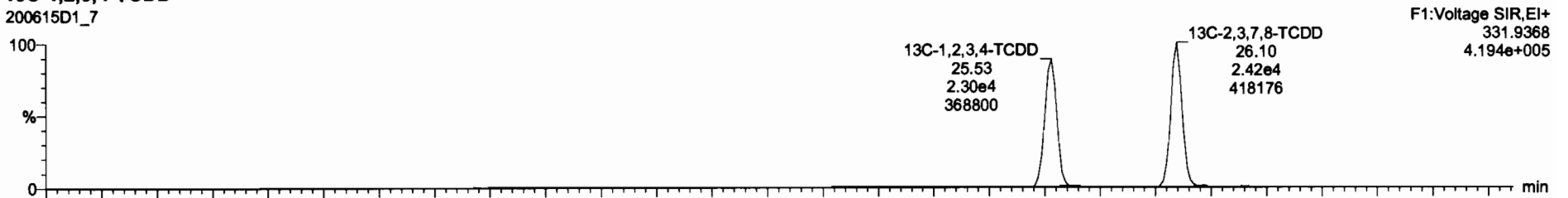
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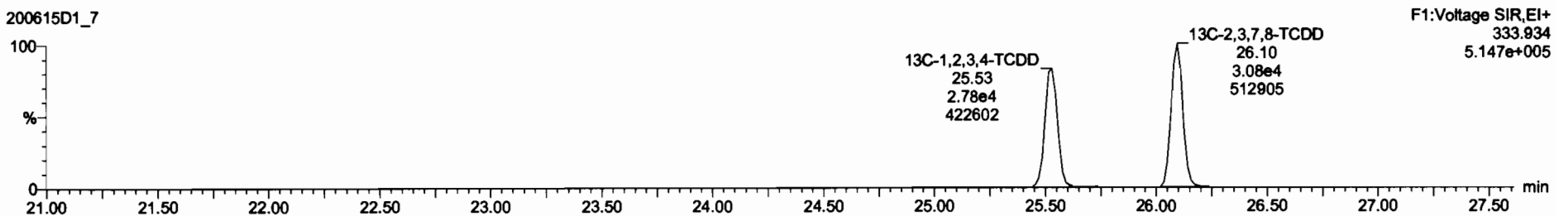
37Cl-2,3,7,8-TCDD
200615D1_7



13C-1,2,3,4-TCDD
200615D1_7



200615D1_7



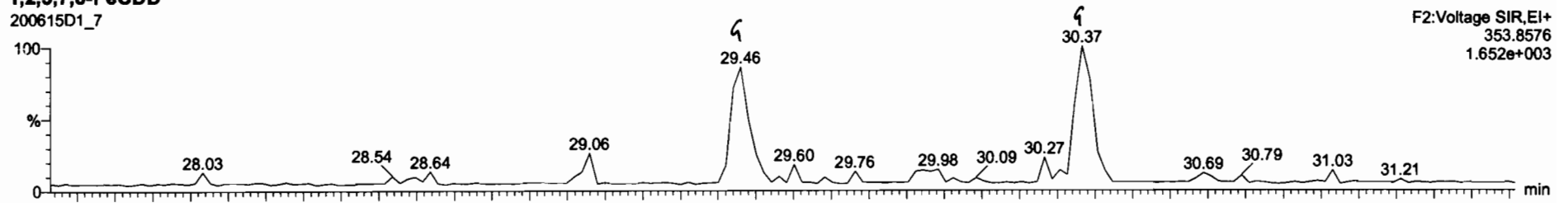
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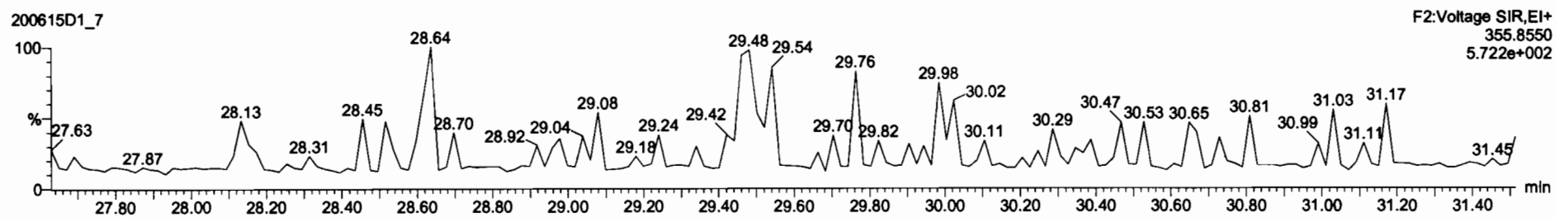
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1,2,3,7,8-PeCDD

200615D1_7

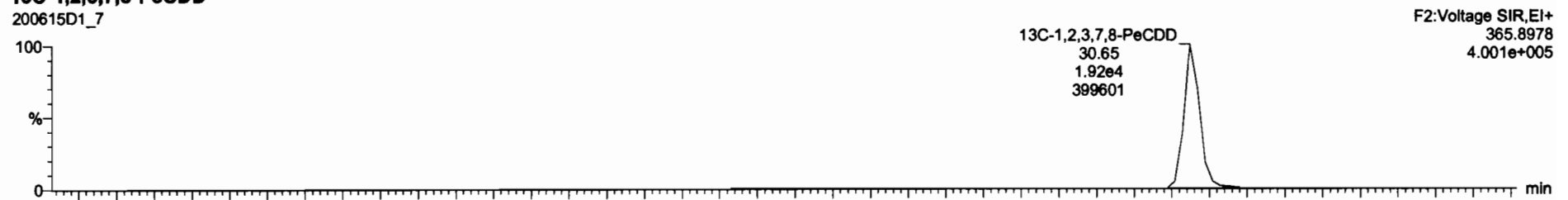


200615D1_7

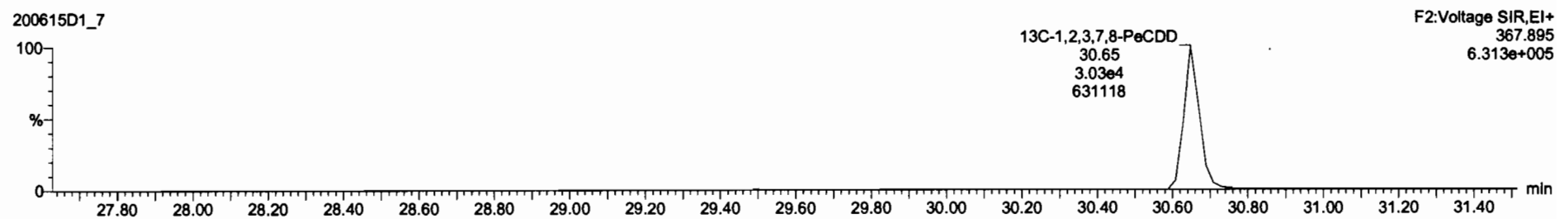


13C-1,2,3,7,8-PeCDD

200615D1_7



200615D1_7



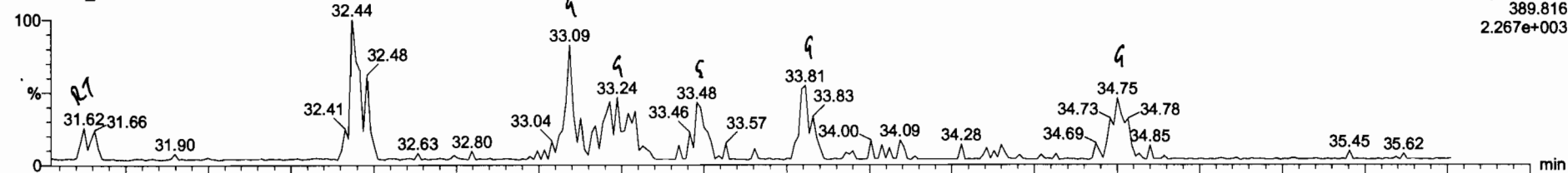
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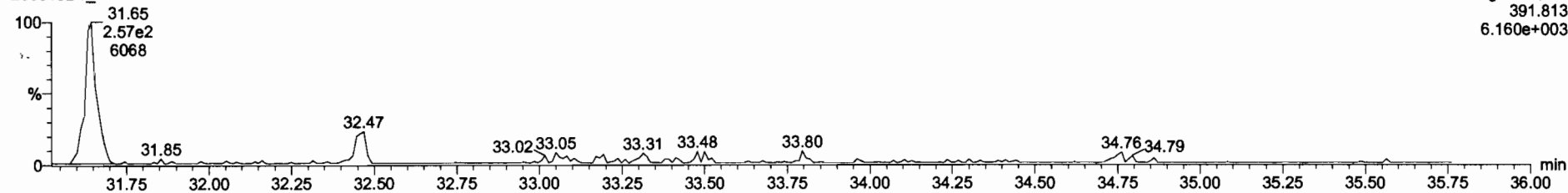
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1,2,3,4,7,8-HxCDD

200615D1_7

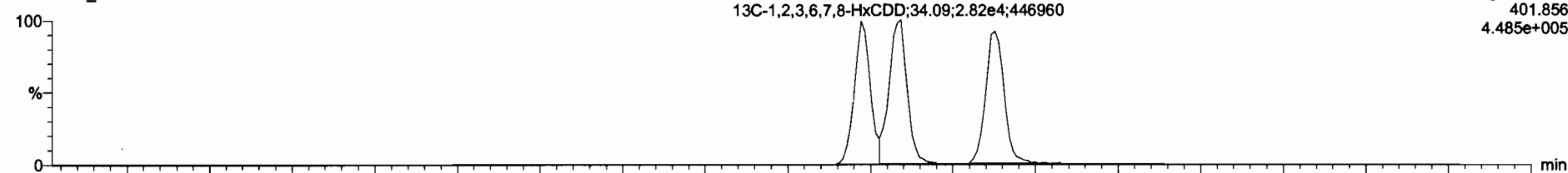


200615D1_7

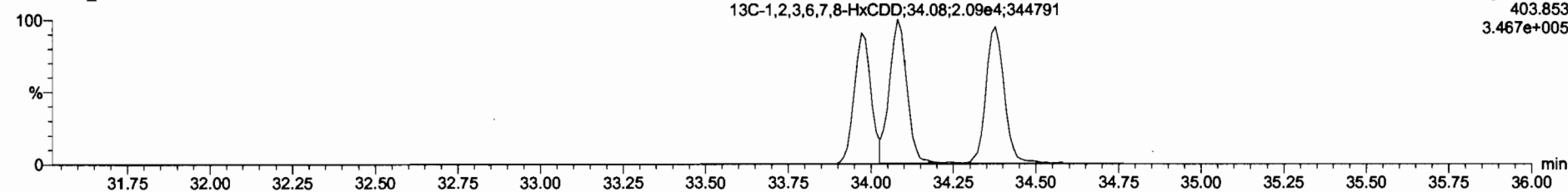


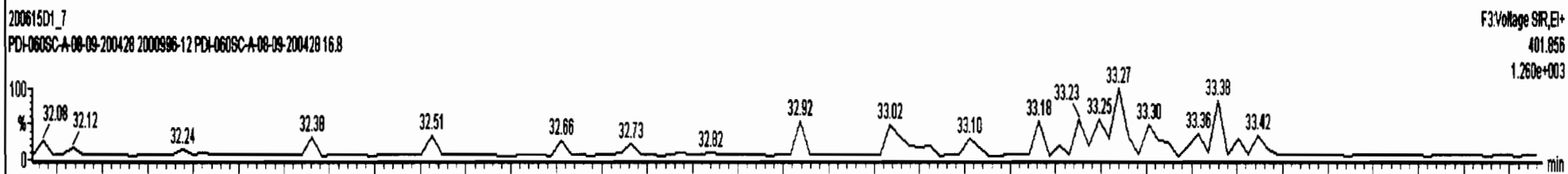
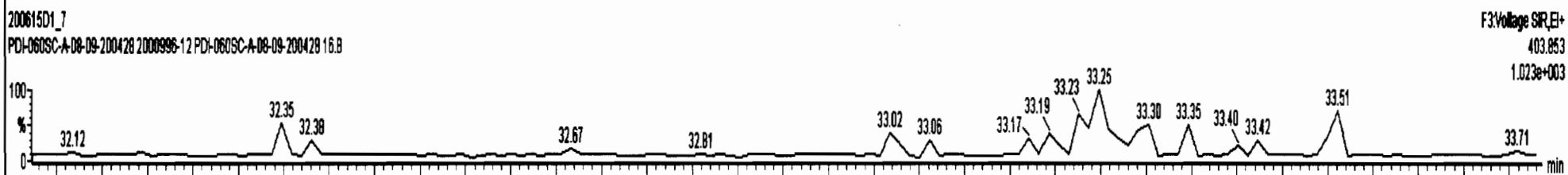
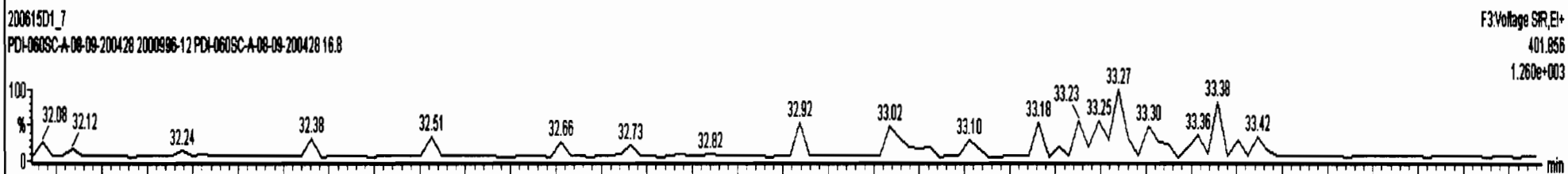
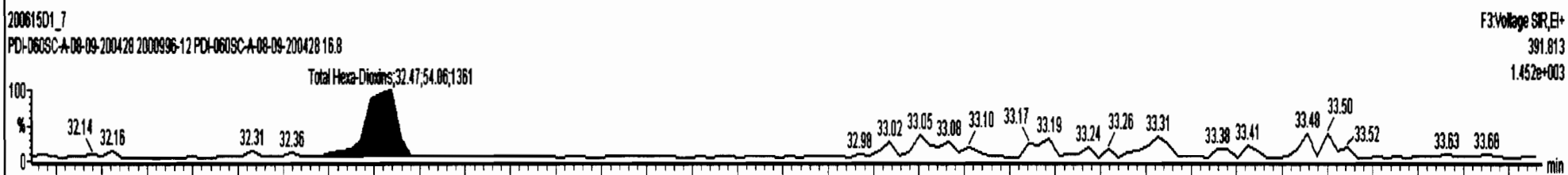
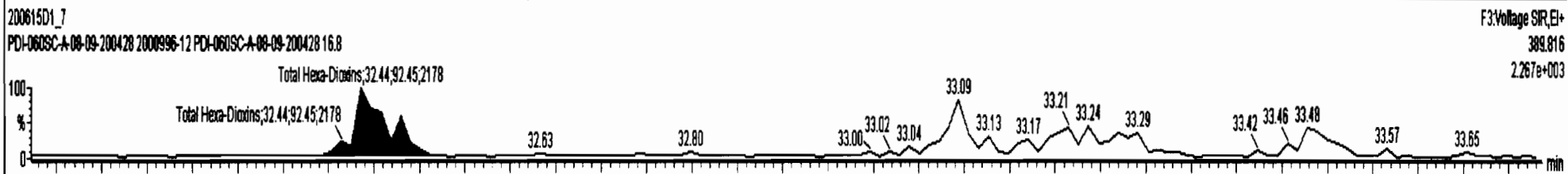
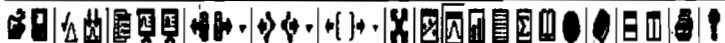
13C-1,2,3,4,7,8-HxCDD

200615D1_7



200615D1_7





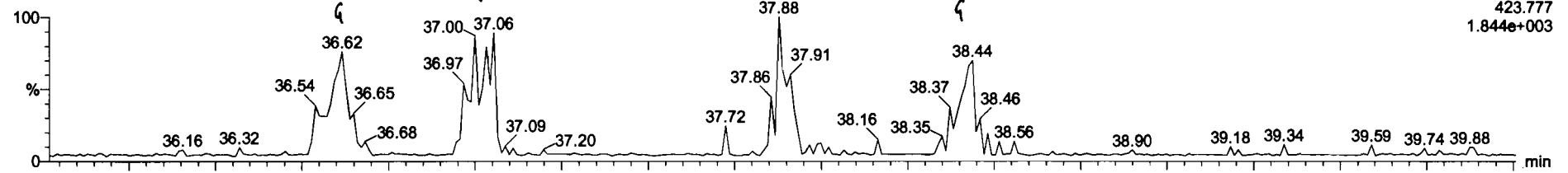
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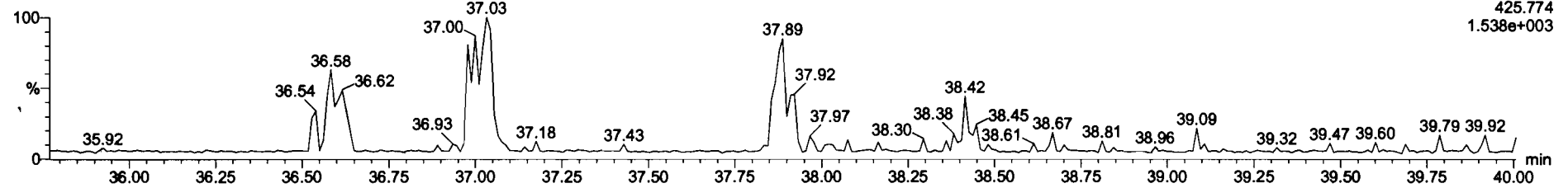
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1,2,3,4,6,7,8-HpCDD

200615D1_7

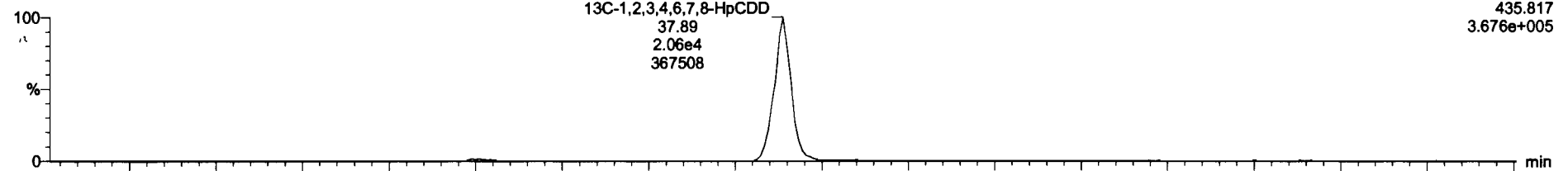


200615D1_7

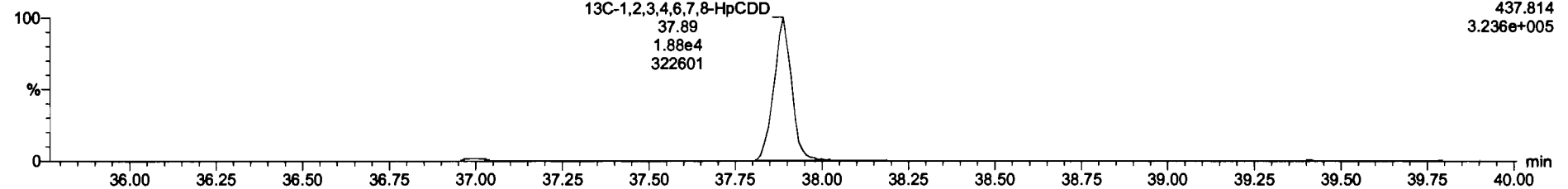


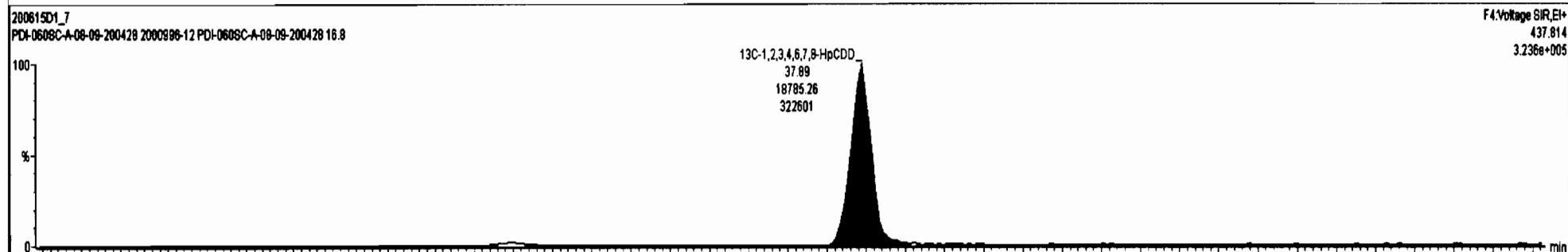
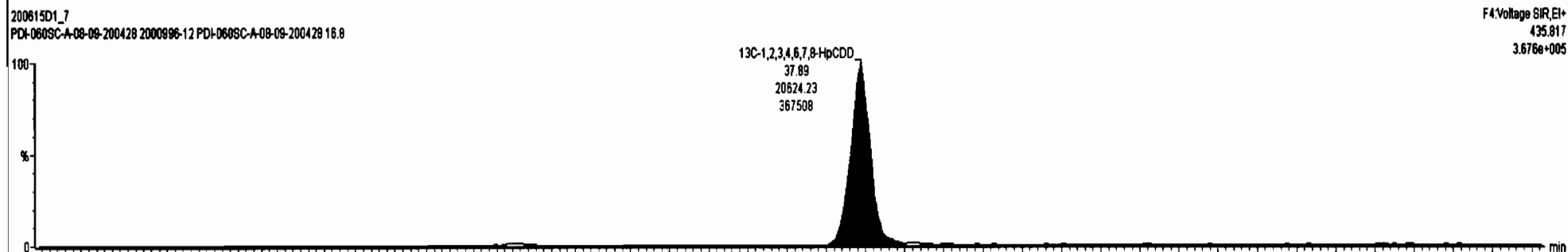
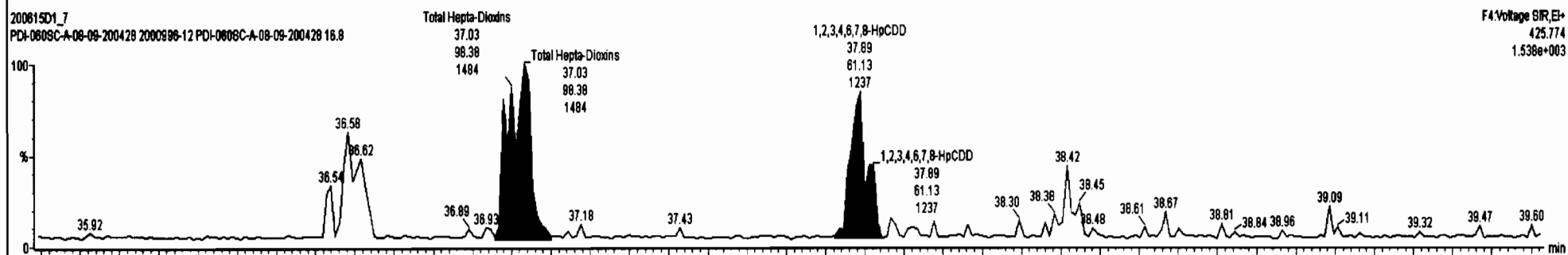
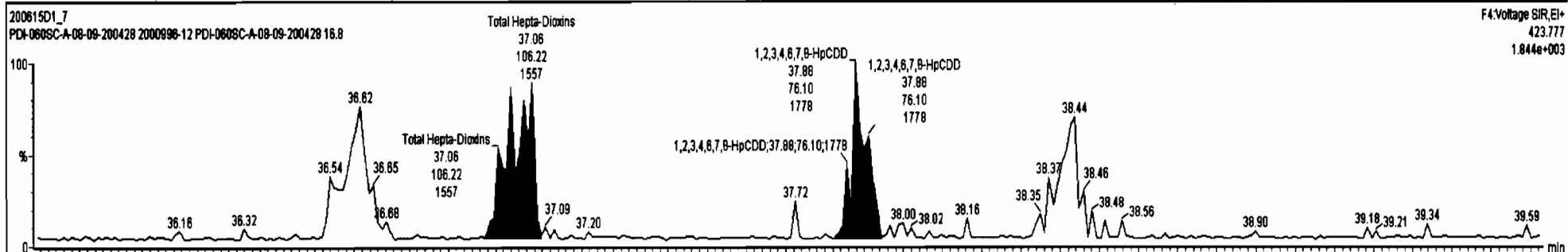
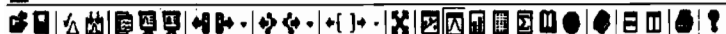
13C-1,2,3,4,6,7,8-HpCDD

200615D1_7



200615D1_7

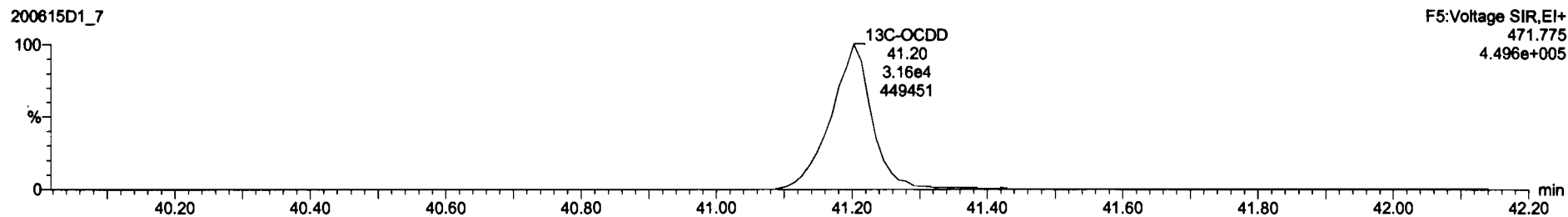
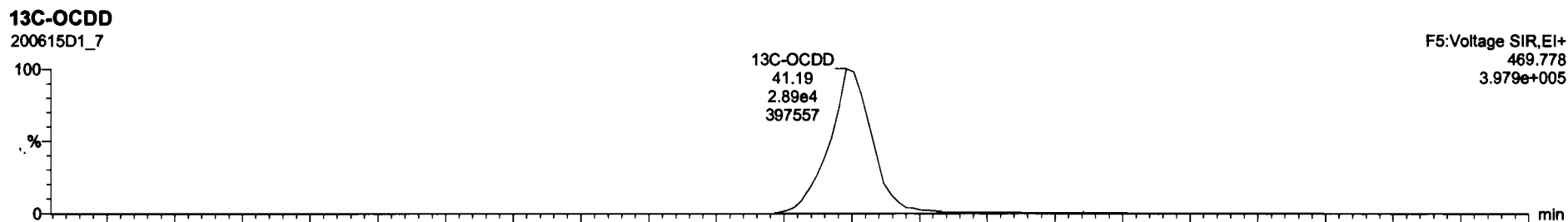
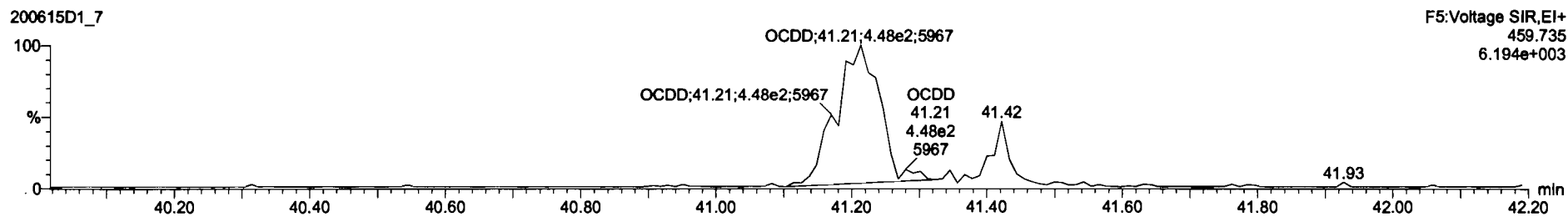
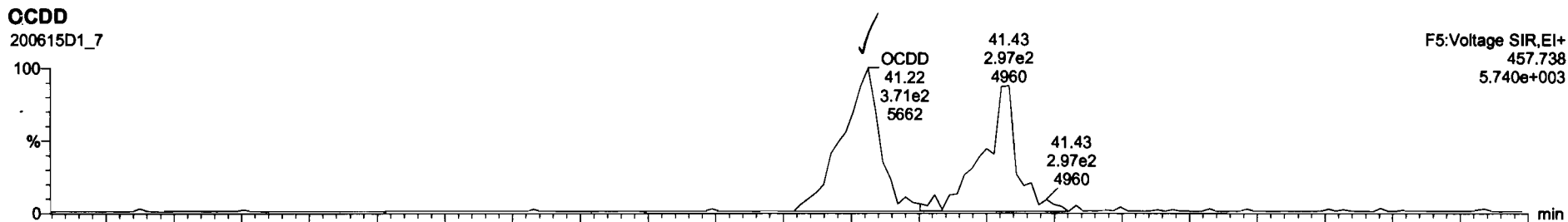


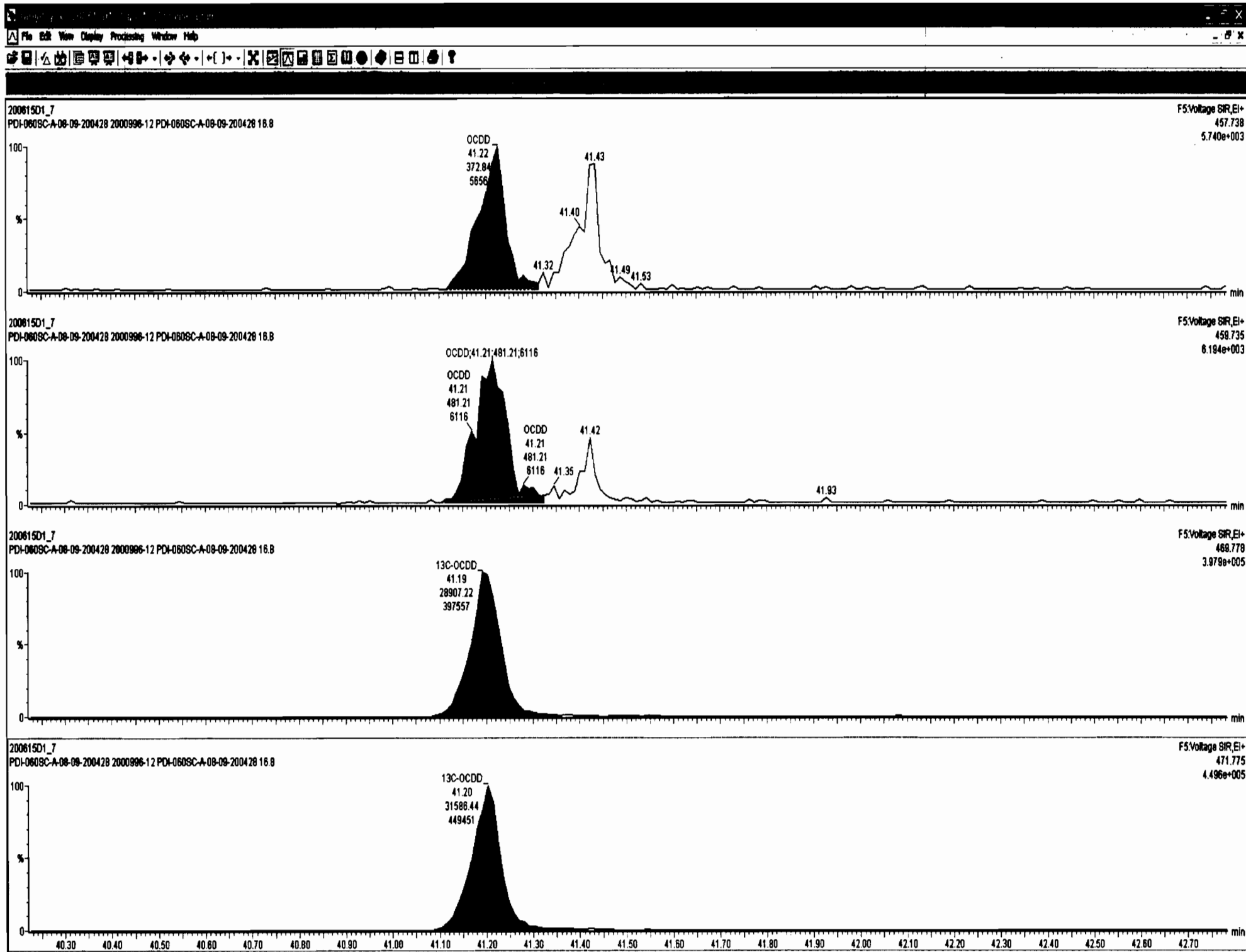


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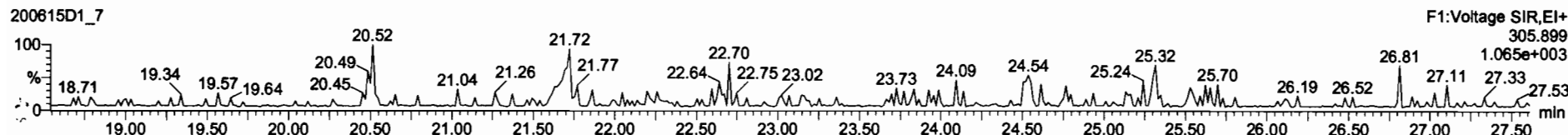
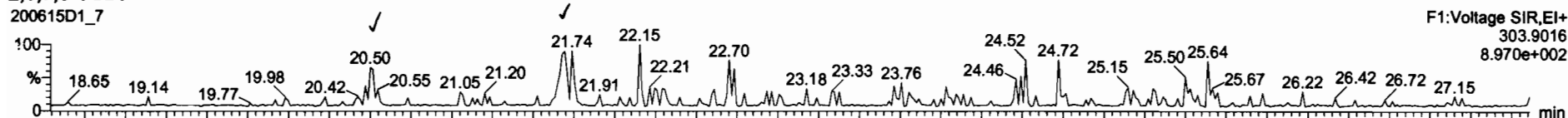


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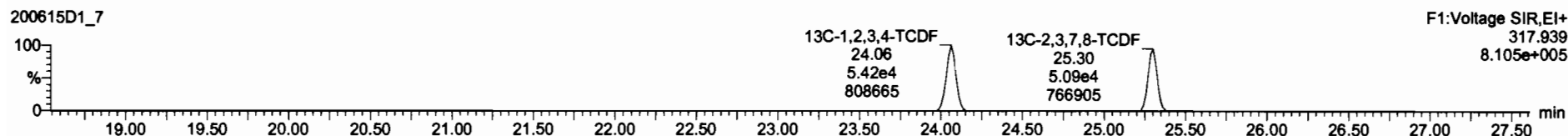
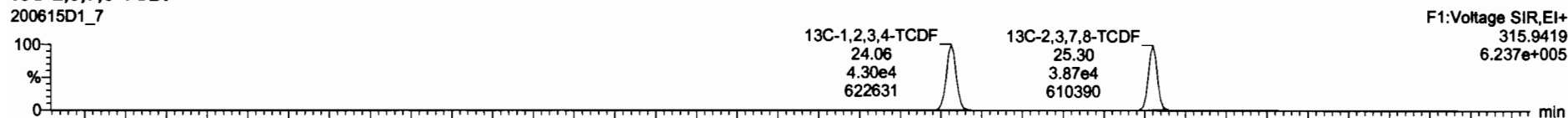
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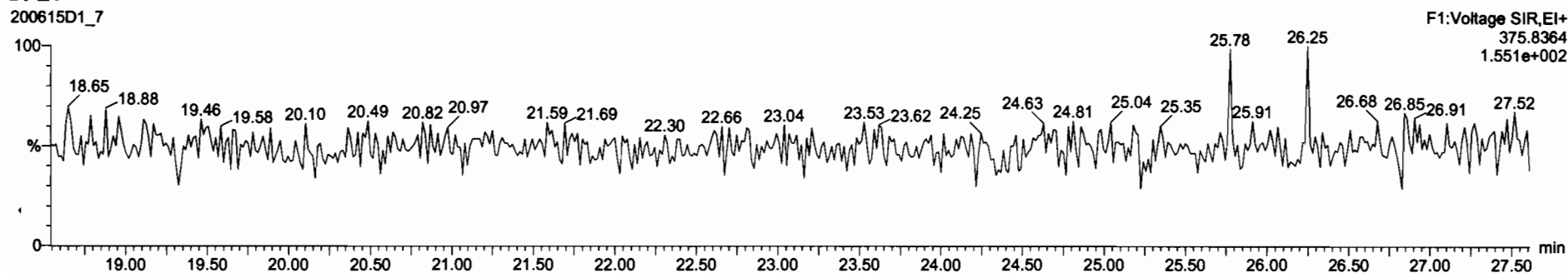
2,3,7,8-TCDF

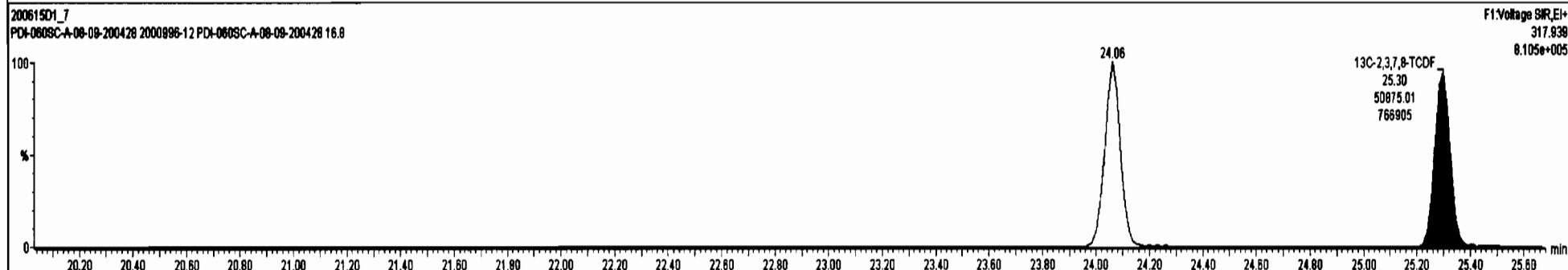
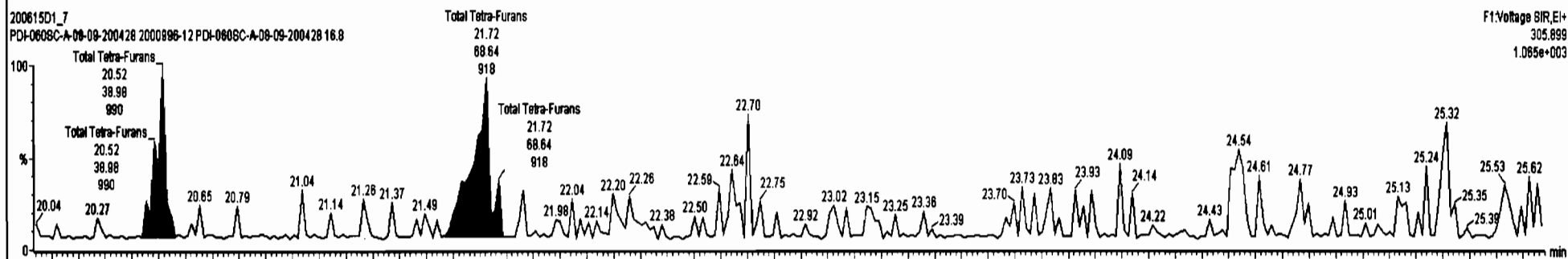
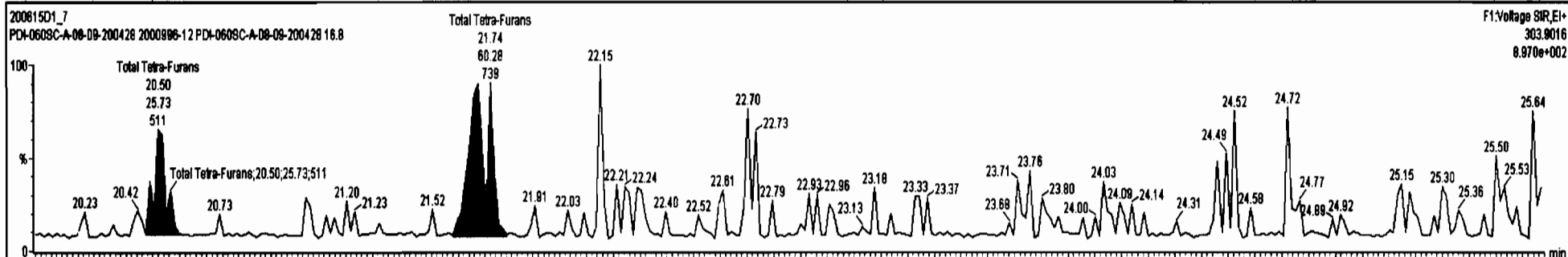
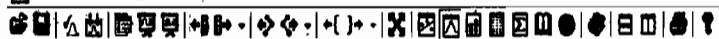


13C-2,3,7,8-TCDF



DPE1





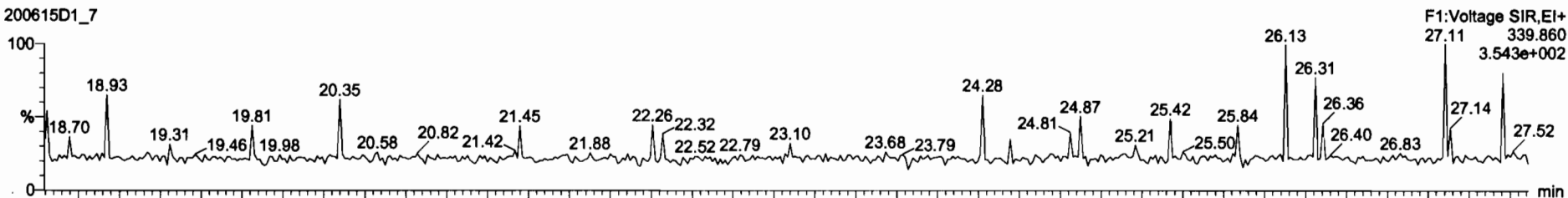
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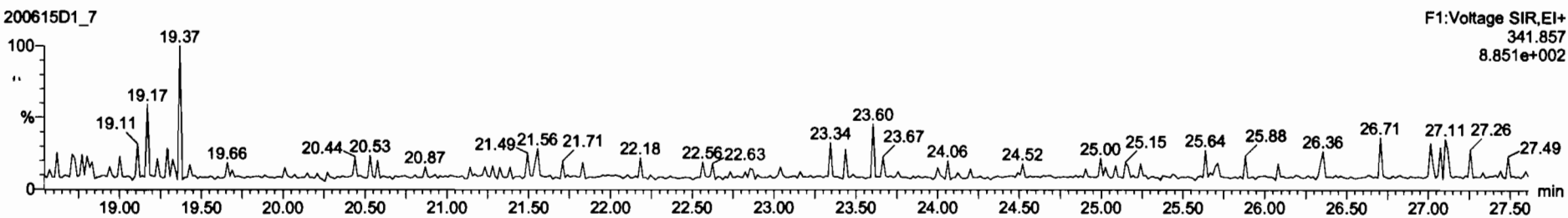
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1st Func. Penta-Furans

200615D1_7

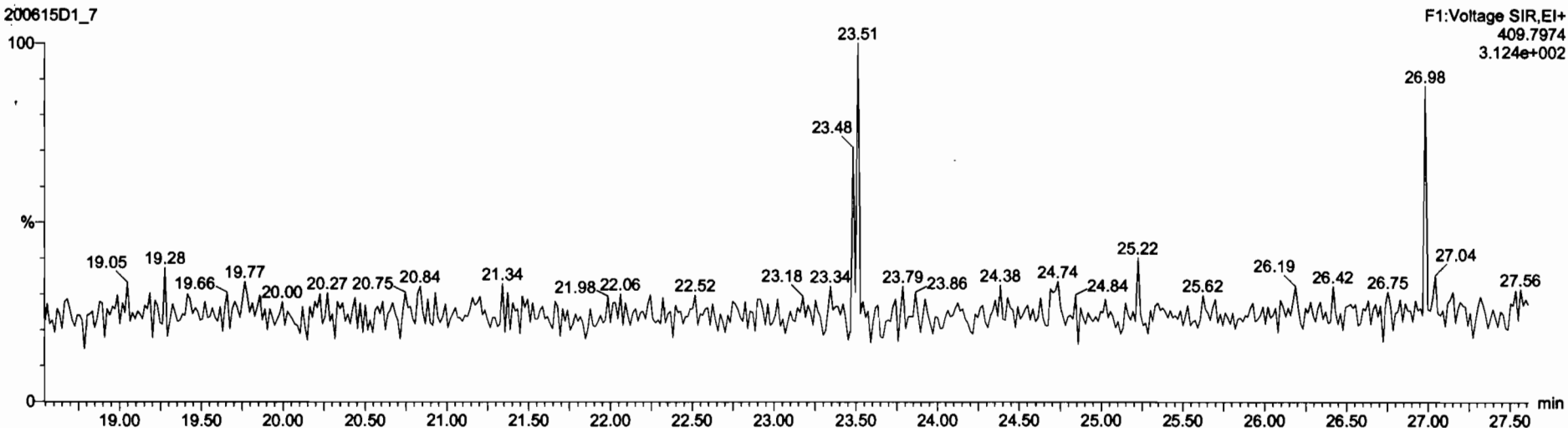


200615D1_7



DPE6

200615D1_7



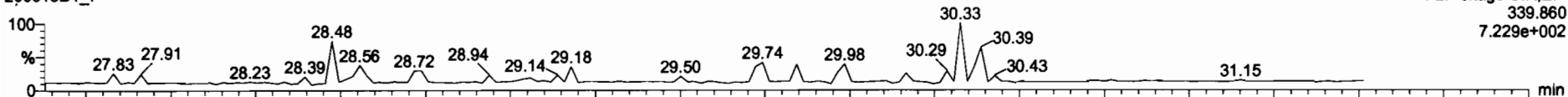
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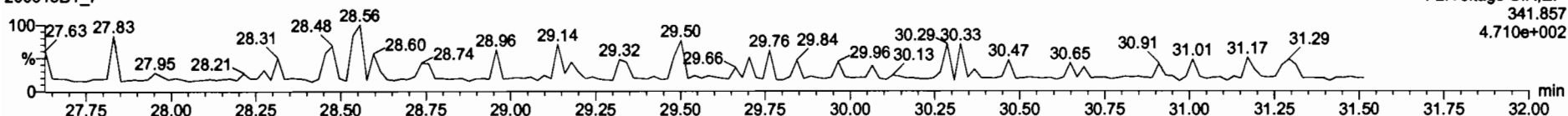
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1,2,3,7,8-PeCDF

200615D1_7

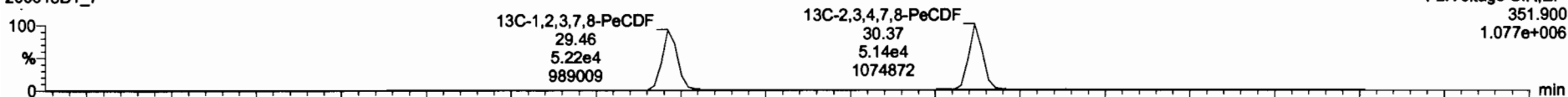


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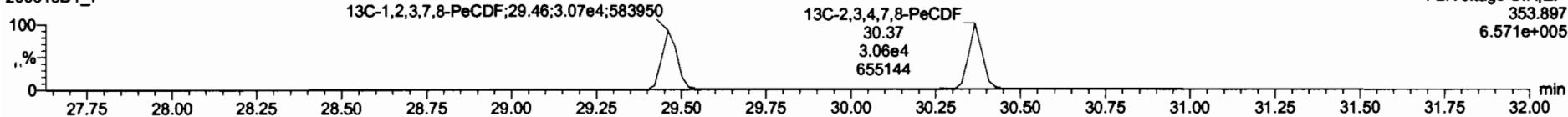


13C-1,2,3,7,8-PeCDF

200615D1_7

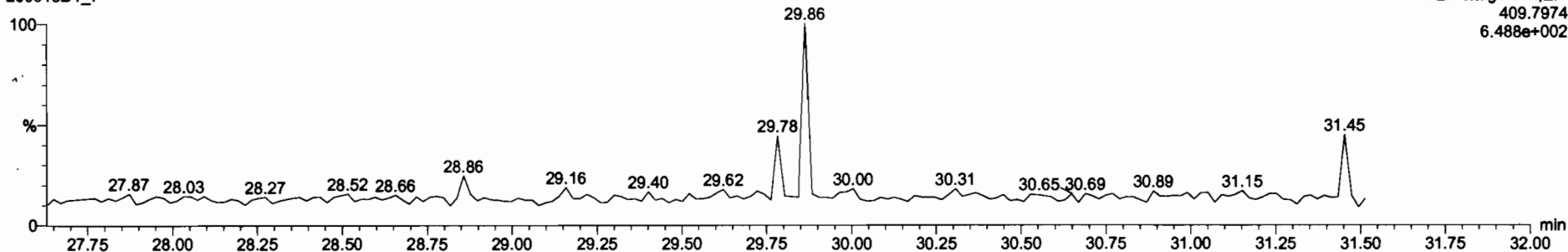


200615D1_7



DPE2

200615D1_7



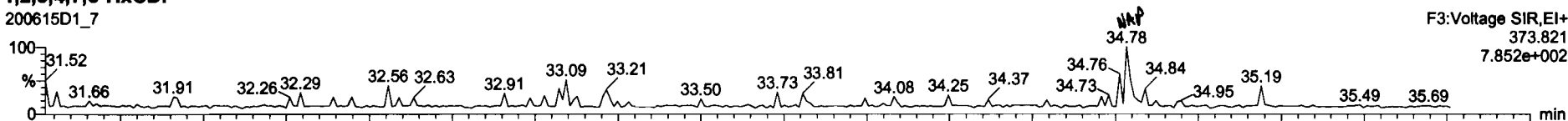
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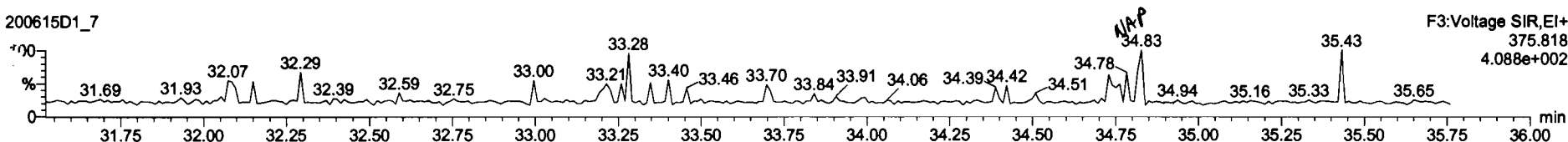
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1,2,3,4,7,8-HxCDF

200615D1_7

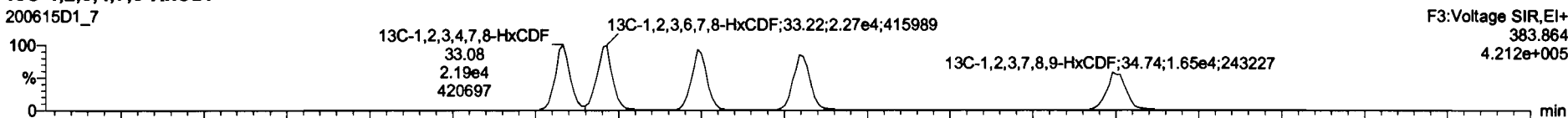


200615D1_7

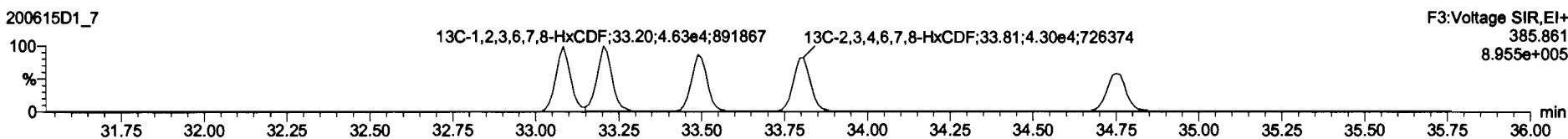


13C-1,2,3,4,7,8-HxCDF

200615D1_7

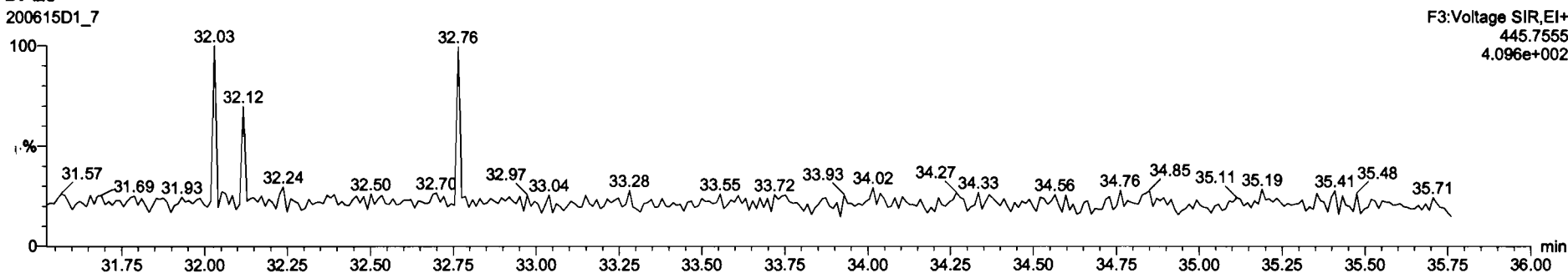


200615D1_7



DPE3

200615D1_7



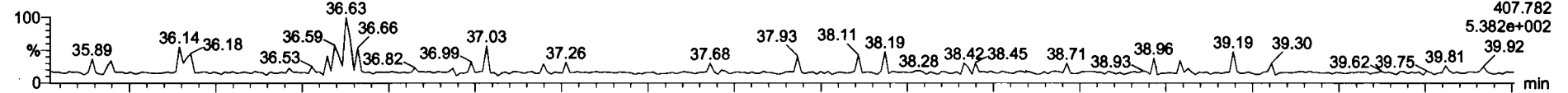
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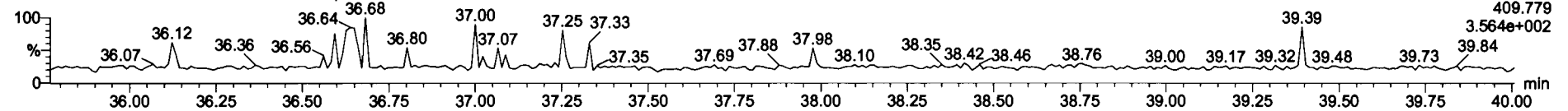
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1,2,3,4,6,7,8-HpCDF

200615D1_7

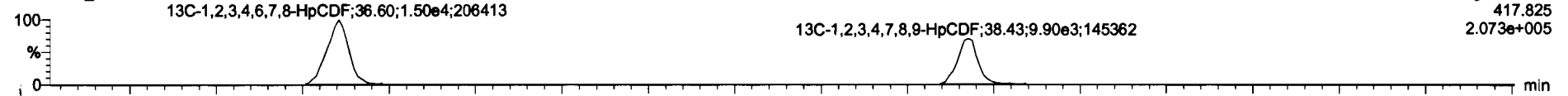


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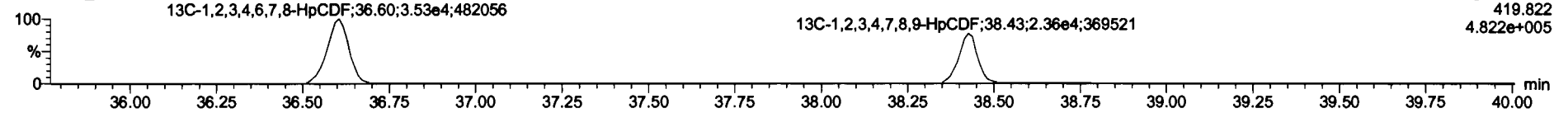


13C-1,2,3,4,6,7,8-HpCDF

200615D1_7

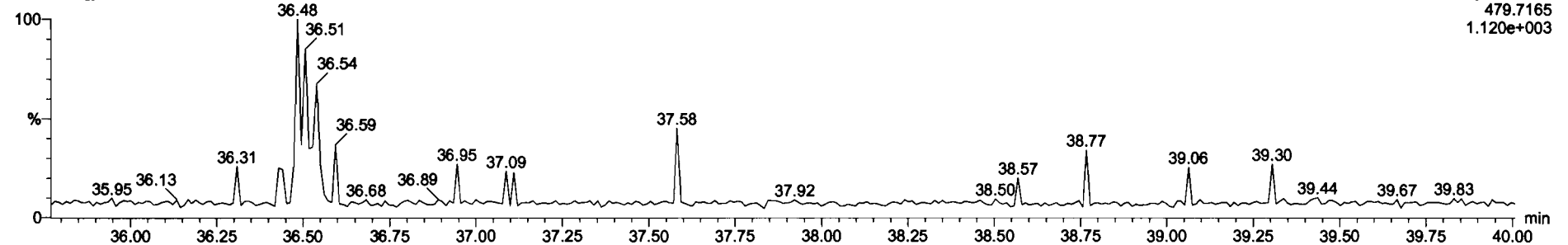


200615D1_7



DPE4

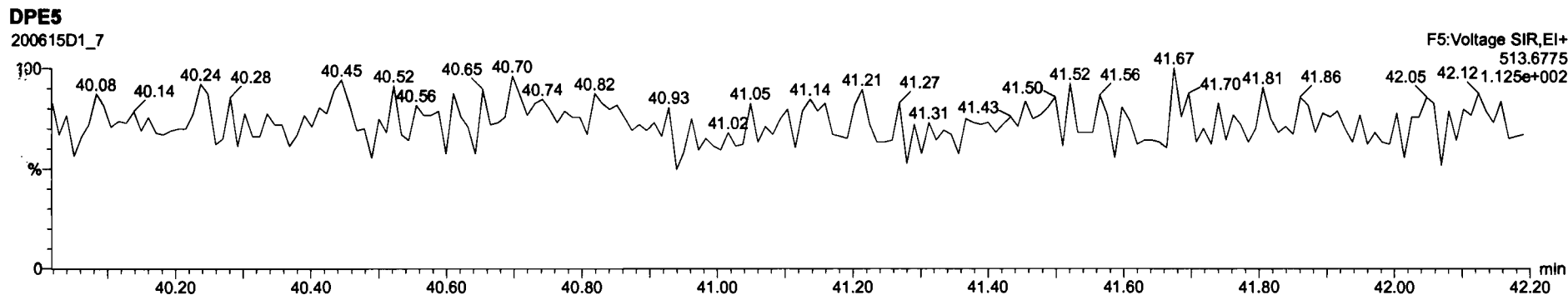
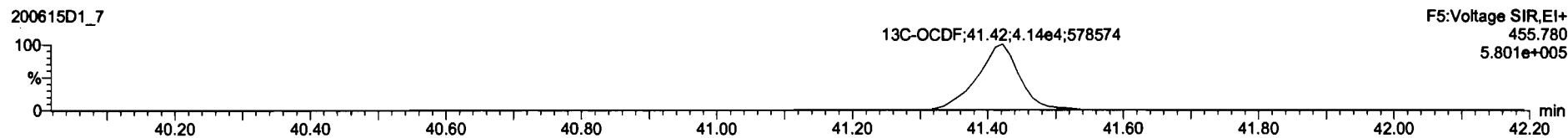
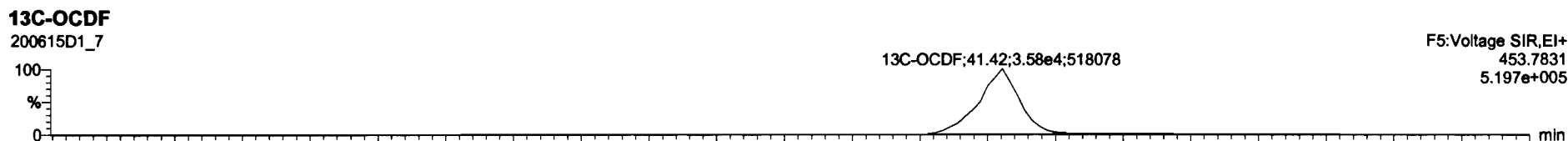
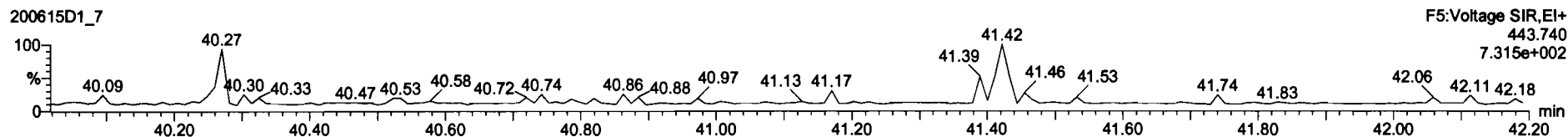
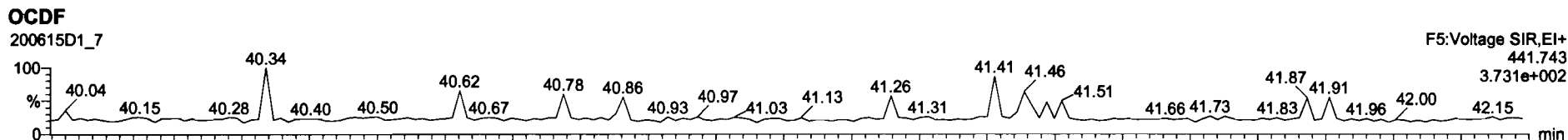
200615D1_7



Dataset: U:\VG7.PRO\Results\200615D1\200615D1_7.qld

Last Altered: Tuesday, June 16, 2020 09:33:07 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 10:01:44 Pacific Daylight Time

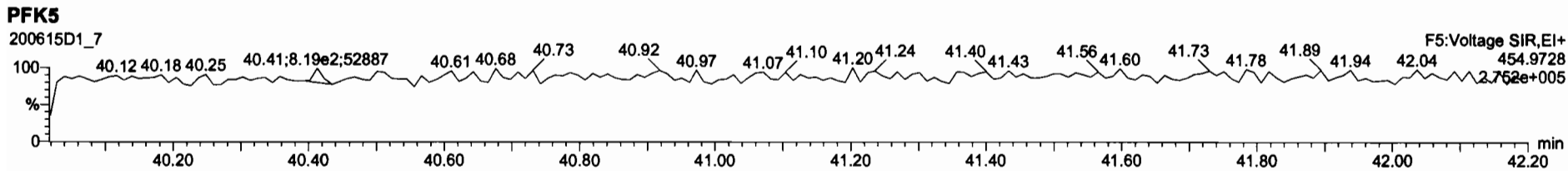
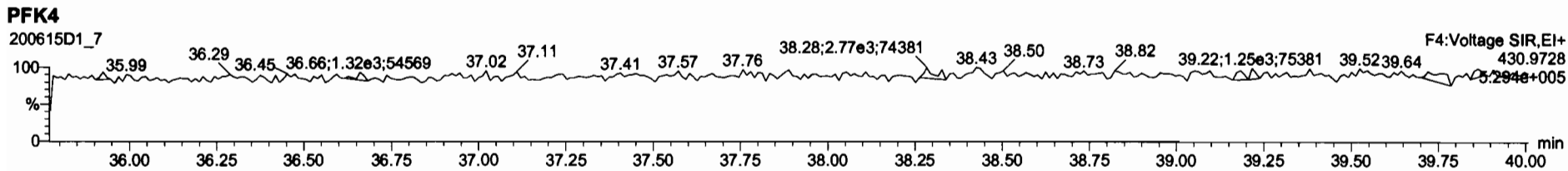
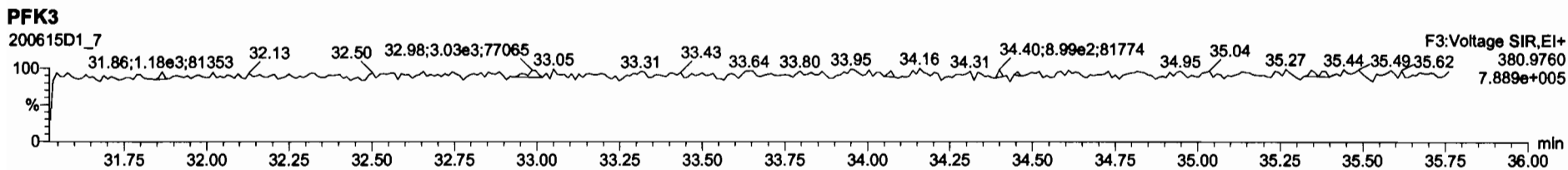
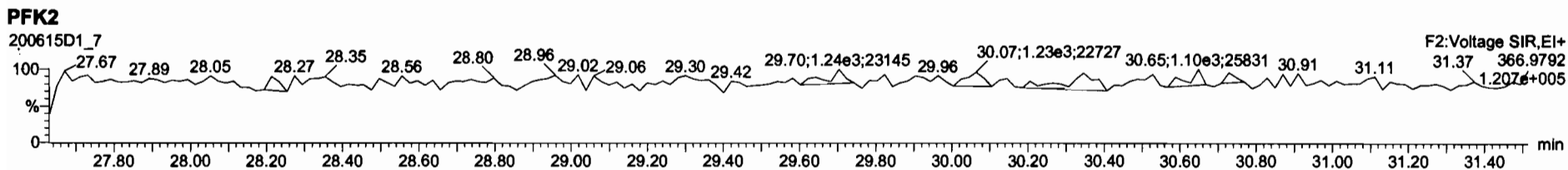
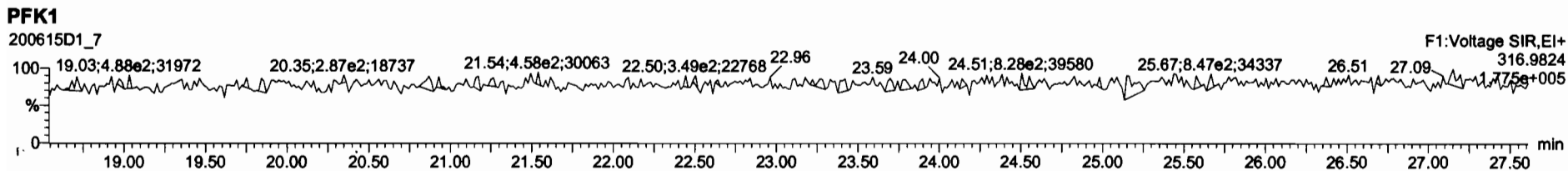
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Last Altered: Tuesday, June 16, 2020 09:33:07 Pacific Daylight Time
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Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

Last Altered: Tuesday, June 09, 2020 11:16:52 Pacific Daylight Time
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DB 6/9/20 C107102/200

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

Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

Peak	RA	ny	RRF	WVOT								
1 2,3,7,8-TCDD			NO	0.987	10.004	26.066		1.001				0.505 0.315
2 1,2,3,7,8-PeCDD			NO	0.982	10.004	30.609		1.001				0.269
3 1,2,3,4,7,8-HxCDD			NO	1.17	10.004	33.905		1.000				0.352
4 1,2,3,6,7,8-HxCDD			NO	1.04	10.004	34.005		1.000				0.360
5 1,2,3,7,8,9-HxCDD			NO	1.00	10.004	34.324		1.001				0.410
6 1,2,3,4,6,7,8-HpCDD			NO	0.992	10.004	37.790		1.000				0.489
7 OCDD	6.44e2	0.82	NO	1.04	10.004	41.016	41.03	1.000	1.000	5.1063		0.808 5.11
8 2,3,7,8-TCDF			NO	0.882	10.004	25.265		1.001				0.333
9 1,2,3,7,8-PeCDF			NO	1.05	10.004	29.422		1.001				0.197
10 2,3,4,7,8-PeCDF			NO	1.06	10.004	30.336		1.001				0.187
11 1,2,3,4,7,8-HxCDF			NO	1.08	10.004	33.017		1.000				0.198
12 1,2,3,6,7,8-HxCDF			NO	1.04	10.004	33.148		1.000				0.195
13 2,3,4,6,7,8-HxCDF			NO	1.11	10.004	33.764		1.001				0.206
14 1,2,3,7,8,9-HxCDF			NO	1.06	10.004	34.663		1.000				0.302
15 1,2,3,4,6,7,8-HpCDF			NO	1.13	10.004	36.531		1.001				0.209
16 1,2,3,4,7,8,9-HpCDF			NO	1.33	10.004	38.306		1.000				0.249
17 OCDF			NO	0.933	10.004	41.236		1.000				0.474
18 13C-2,3,7,8-TCDD	4.10e4	0.86	NO	1.21	10.004	26.131	26.03	1.026	1.022	104.85	52.4	0.930
19 13C-1,2,3,7,8-PeCDD	3.85e4	0.63	NO	0.996	10.004	30.614	30.59	1.202	1.201	119.11	59.6	0.534
20 13C-1,2,3,4,7,8-HxCDD	3.18e4	1.25	NO	0.679	10.004	33.891	33.90	1.014	1.014	132.53	66.3	0.814
21 13C-1,2,3,6,7,8-HxCDD	3.65e4	1.23	NO	0.850	10.004	34.001	34.01	1.017	1.017	121.59	60.8	0.650
22 13C-1,2,3,7,8,9-HxCDD	3.63e4	1.15	NO	0.798	10.004	34.272	34.29	1.025	1.026	128.39	64.2	0.692
23 13C-1,2,3,4,6,7,8-HpCDD	2.99e4	1.05	NO	0.697	10.004	37.735	37.78	1.129	1.130	121.43	60.7	0.915
24 13C-OCDD	4.87e4	0.93	NO	0.579	10.004	40.756	41.02	1.219	1.227	237.86	59.5	1.04
25 13C-2,3,7,8-TCDF	5.41e4	0.78	NO	1.13	10.004	25.214	25.24	0.990	0.991	97.277	48.7	1.42
26 13C-1,2,3,7,8-PeCDF	5.92e4	1.63	NO	0.996	10.004	29.435	29.40	1.156	1.154	120.48	60.3	1.09
27 13C-2,3,4,7,8-PeCDF	5.91e4	1.58	NO	0.969	10.004	30.334	30.31	1.191	1.190	123.51	61.8	1.12
28 13C-1,2,3,4,7,8-HxCDF	4.46e4	0.49	NO	1.06	10.004	33.022	33.02	0.988	0.988	119.11	59.6	1.10
29 13C-1,2,3,6,7,8-HxCDF	4.72e4	0.51	NO	1.18	10.004	33.156	33.14	0.992	0.991	113.62	56.8	0.988
30 13C-2,3,4,6,7,8-HxCDF	4.40e4	0.50	NO	1.06	10.004	33.727	33.73	1.009	1.009	117.72	58.9	1.10
31 13C-1,2,3,7,8,9-HxCDF	3.74e4	0.50	NO	0.879	10.004	34.626	34.66	1.036	1.037	120.13	60.1	1.32

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

Last Altered: Tuesday, June 09, 2020 11:16:52 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:17:54 Pacific Daylight Time

Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

	Conc	RA	NY	RRF									
32	13C-1,2,3,4,6,7,8-HpCDF	3.47e4	0.45	NO	0.893	10.004	36.331	36.49	1.087	1.092	109.90	55.0	1.58
33	13C-1,2,3,4,7,8,9-HpCDF	2.68e4	0.45	NO	0.613	10.004	38.336	38.31	1.147	1.146	123.30	61.7	2.30
34	13C-OCDF	5.95e4	0.89	NO	0.741	10.004	40.910	41.24	1.224	1.234	226.94	56.8	0.782
35	37Cl-2,3,7,8-TCDD	1.53e4			1.18	10.004	26.129	26.05	1.026	1.023	39.989	50.0	0.271
36	13C-1,2,3,4-TCDD	6.48e4	0.80	NO	1.00	10.004	25.480	25.47	1.000	1.000	199.92	100	1.12
37	13C-1,2,3,4-TCDF	9.87e4	0.78	NO	1.00	10.004	24.020	24.00	1.000	1.000	199.92	100	1.60
38	13C-1,2,3,4,6,9-HxCDF	7.07e4	0.50	NO	1.00	10.004	33.530	33.42	1.000	1.000	199.92	100	1.16
39	Total Tetra-Dioxins				0.987	10.004	24.620		0.000				0.326
40	Total Penta-Dioxins				0.982	10.004	29.960		0.000				0.0793
41	Total Hexa-Dioxins				1.04	10.004	33.635		0.000		0.38452		0.161 0.385
42	Total Hepta-Dioxins				0.992	10.004	37.640		0.000		0.88601		0.220 0.886
43	Total Tetra-Furans				0.882	10.004	23.610		0.000		0.00000		0.137 0.390
44	1st Func. Penta-Furans				1.05	10.004	27.090		0.000				0.0370
45	Total Penta-Furans				1.05	10.004	29.275		0.000				0.0660
46	Total Hexa-Furans				1.11	10.004	33.555		0.000				0.144
47	Total Hepta-Furans				1.13	10.004	37.835		0.000				0.0983

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

Last Altered: Tuesday, June 09, 2020 11:16:52 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:17:54 Pacific Daylight Time

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

Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

Tetra-Dioxins

	m1	m2	m1	m2							
	Height	Height	Resp	Resp	RA	RA	RA	RA	RA	RA	RA

Penta-Dioxins

	m1	m2	m1	m2							
	Height	Height	Resp	Resp	RA	RA	RA	RA	RA	RA	RA

Hexa-Dioxins

	m1	m2	m1	m2							
	Height	Height	Resp	Resp	RA	RA	RA	RA	RA	RA	RA
Total Hexa-Dioxins	32.38	1.133e3	8.940e2	3.623e1	3.327e1	1.09	NO	6.950e1	0.38452	0.38452	0.161

Hepta-Dioxins

	m1	m2	m1	m2							
	Height	Height	Resp	Resp	RA	RA	RA	RA	RA	RA	RA
Total Hepta-Dioxins	36.89	9.500e2	9.640e2	6.862e1	6.291e1	1.09	NO	1.315e2	0.88601	0.88601	0.220

Tetra-Furans

	m1	m2	m1	m2							
	Height	Height	Resp	Resp	RA	RA	RA	RA	RA	RA	RA
Total Tetra-Furans	24.51	1.463e3	6.690e2	8.926e1	5.257e1	1.70	YES	0.000e0	0.00000	0.38986	0.137

Penta-Furans function 1

	m1	m2	m1	m2							
	Height	Height	Resp	Resp	RA	RA	RA	RA	RA	RA	RA

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld
Last Altered: Tuesday, June 09, 2020 11:16:52 Pacific Daylight Time
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Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

Penta-Furans

RT	m1 Height	m2 Height	m1 Resp	m2 Resp	SA

Hexa-Furans

RT	m1 Height	m2 Height	m1 Resp	m2 Resp	SA

Hepta-Furans

RT	m1 Height	m2 Height	m1 Resp	m2 Resp	SA

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

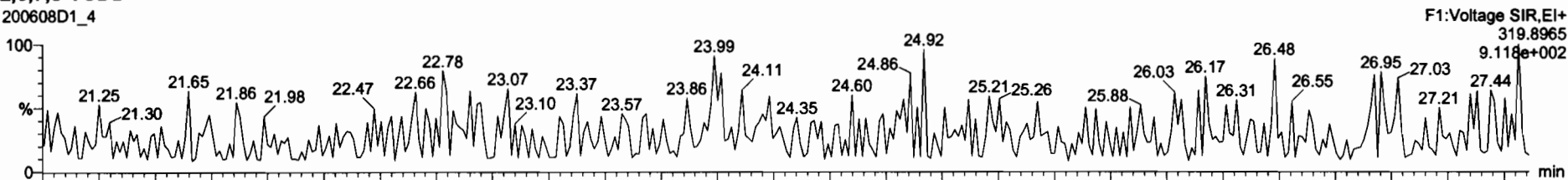
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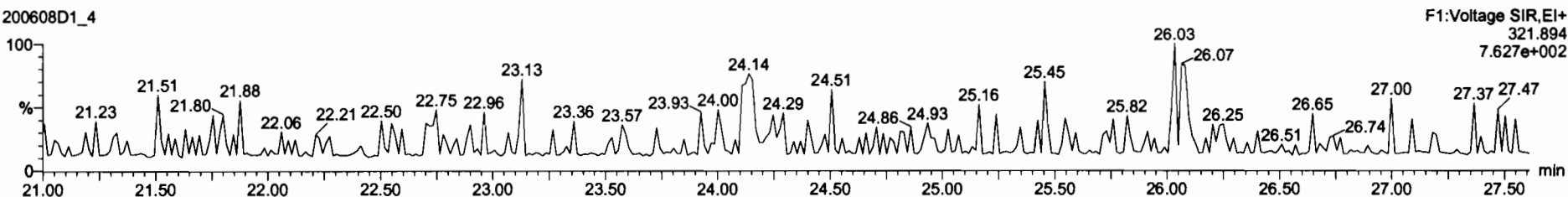
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2,3,7,8-TCDD

200608D1_4

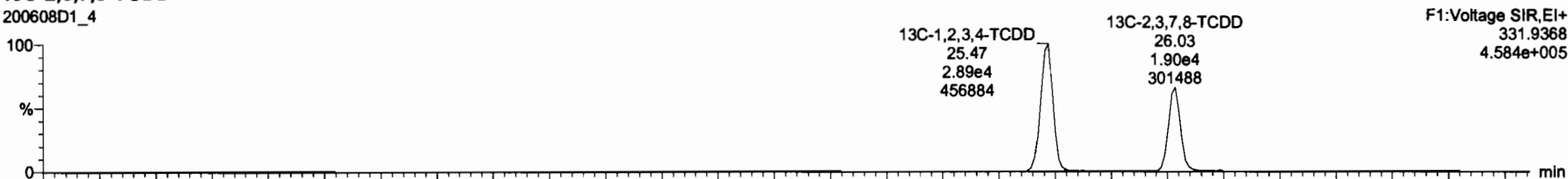


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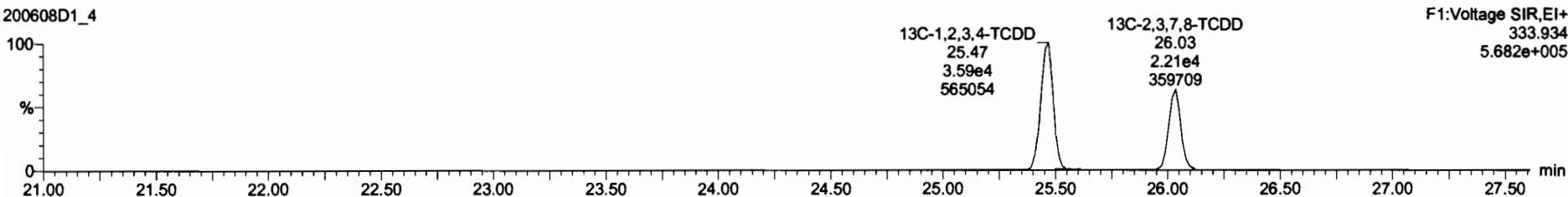


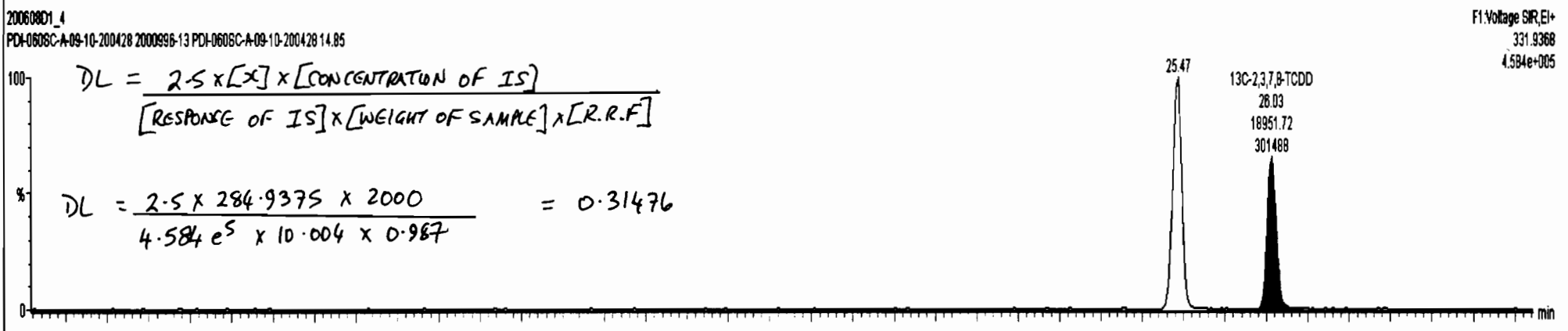
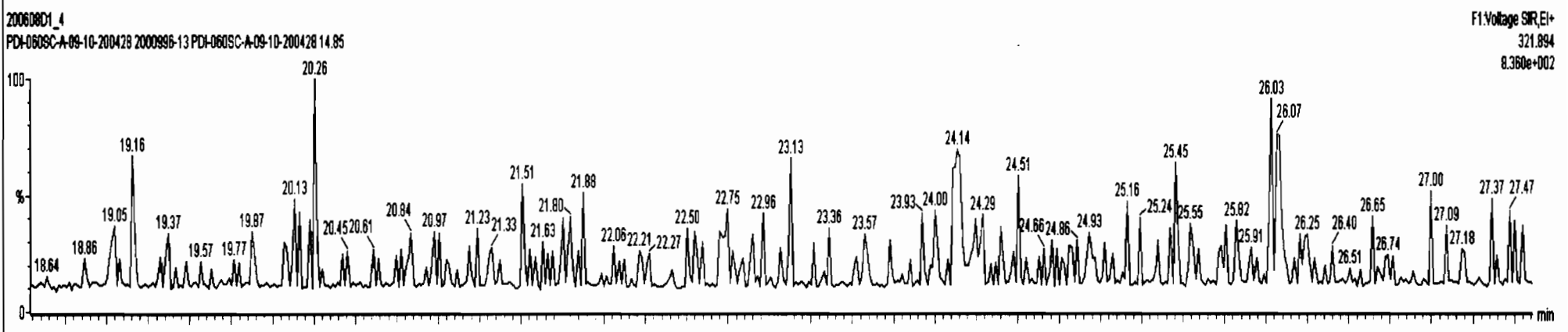
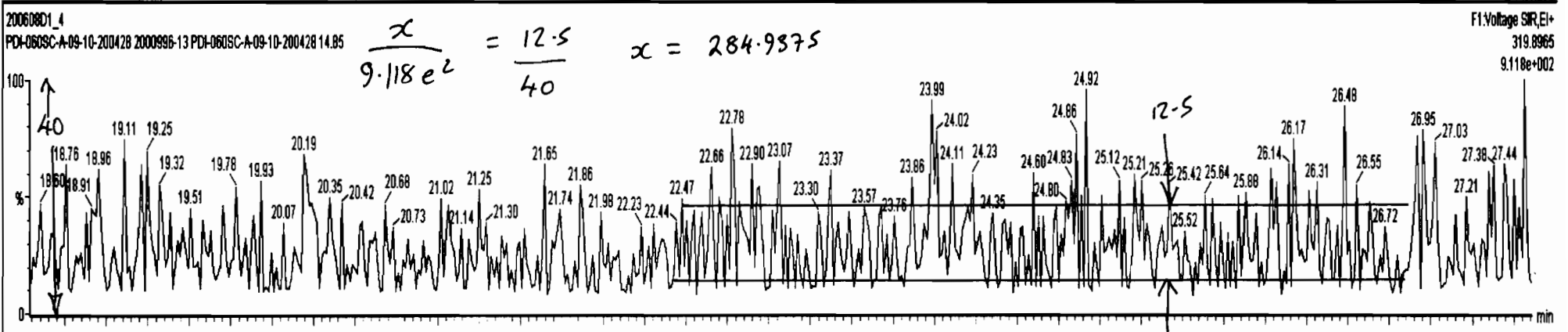
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200608D1_4



200608D1_4



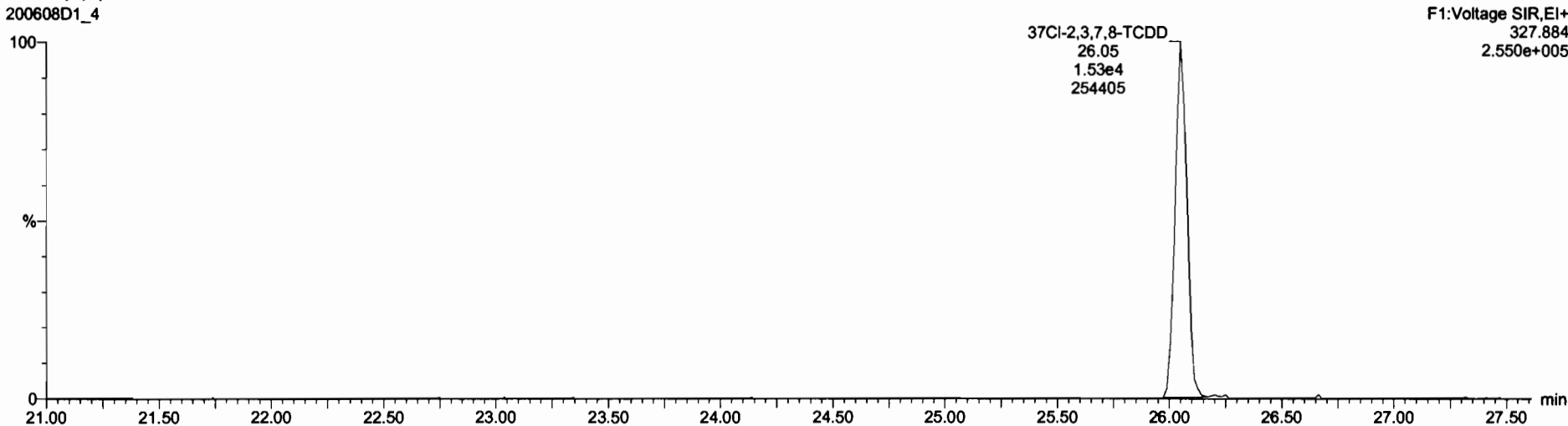


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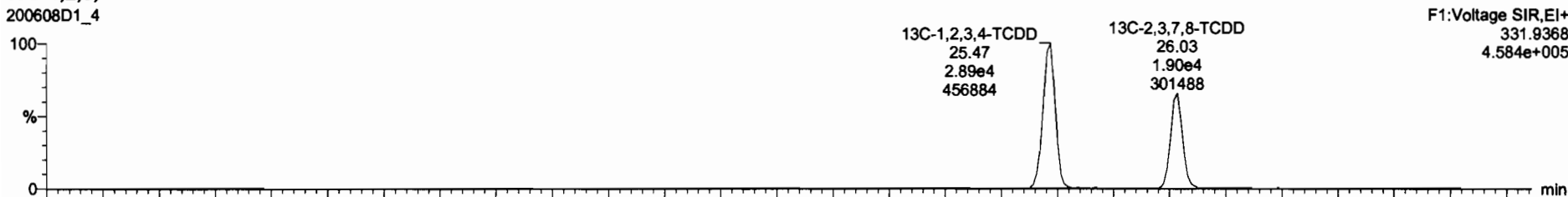
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Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

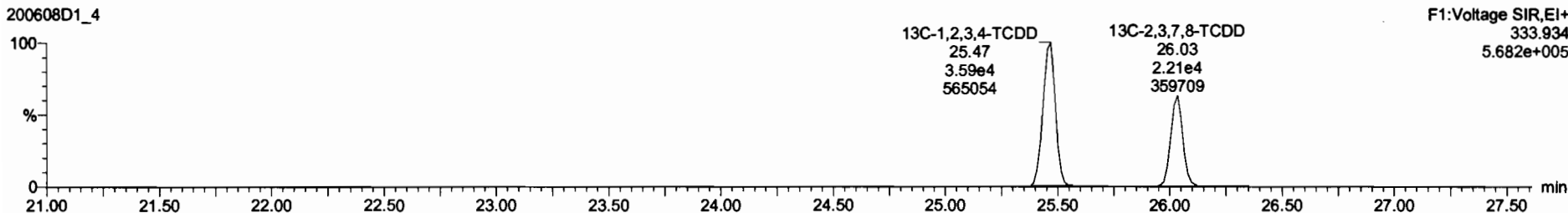
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200608D1_4



13C-1,2,3,4-TCDD
200608D1_4



200608D1_4



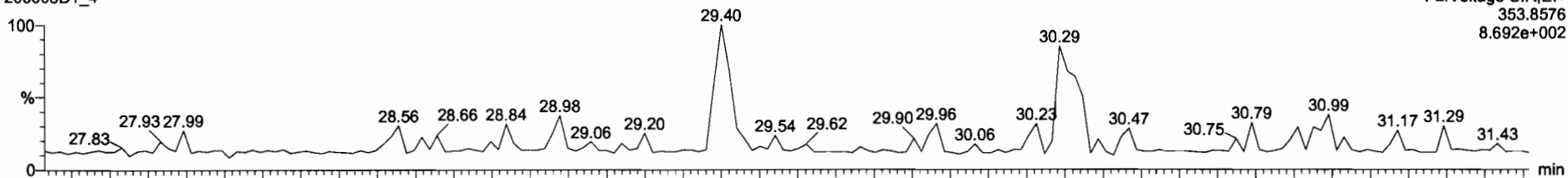
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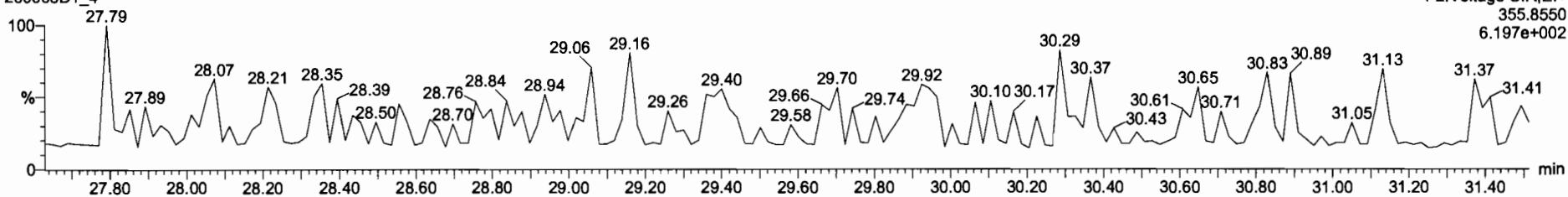
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1,2,3,7,8-PeCDD

200608D1_4

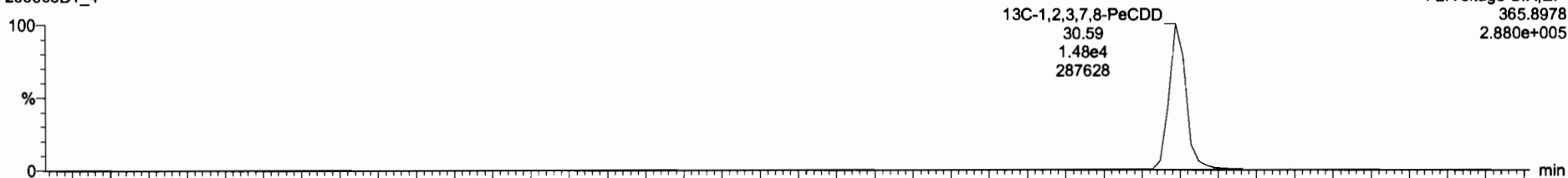


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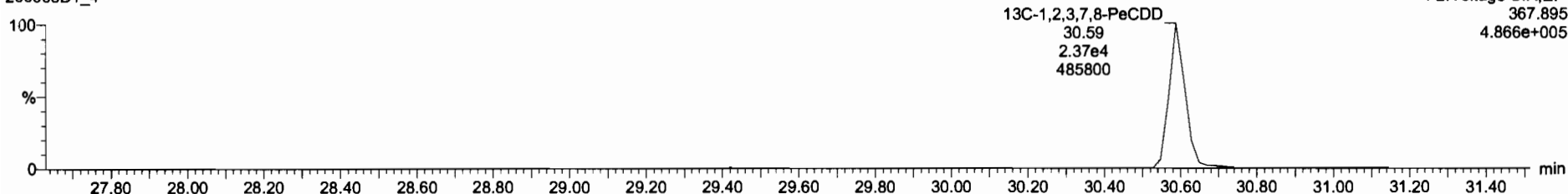


13C-1,2,3,7,8-PeCDD

200608D1_4



200608D1_4



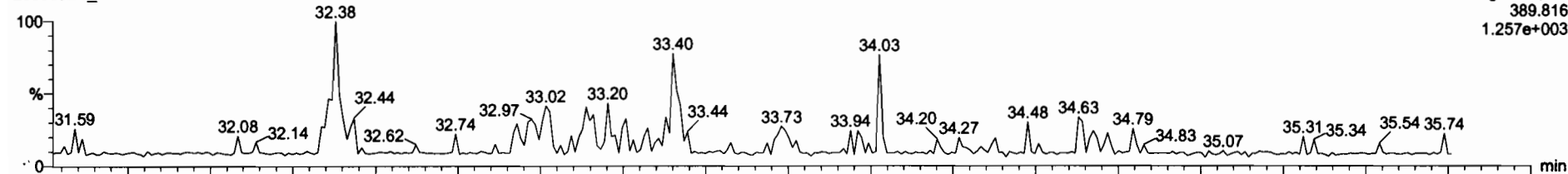
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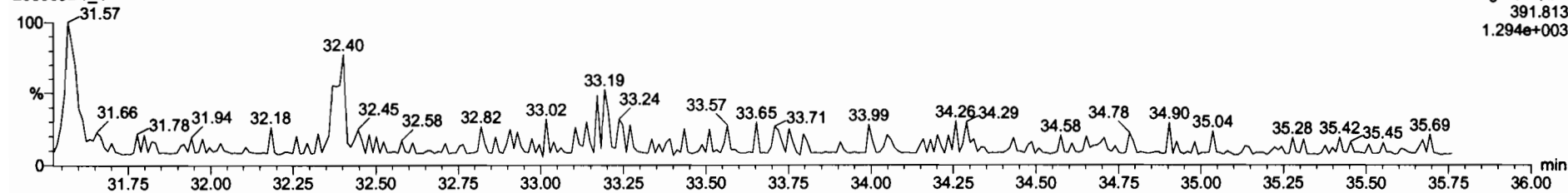
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1,2,3,4,7,8-HxCDD

200608D1_4

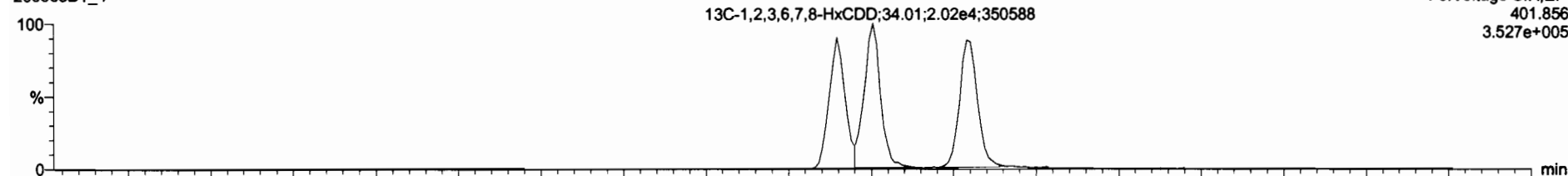


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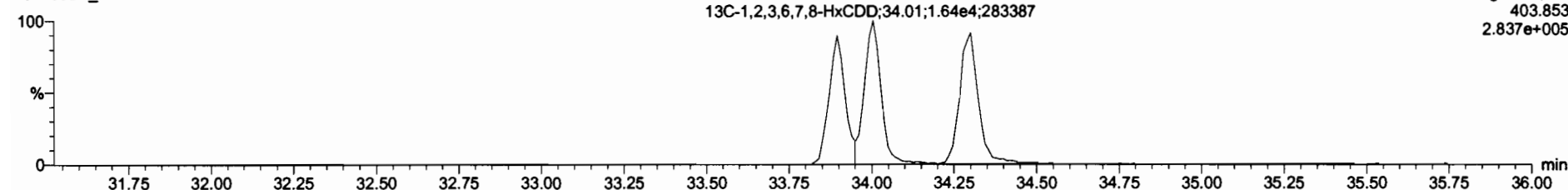


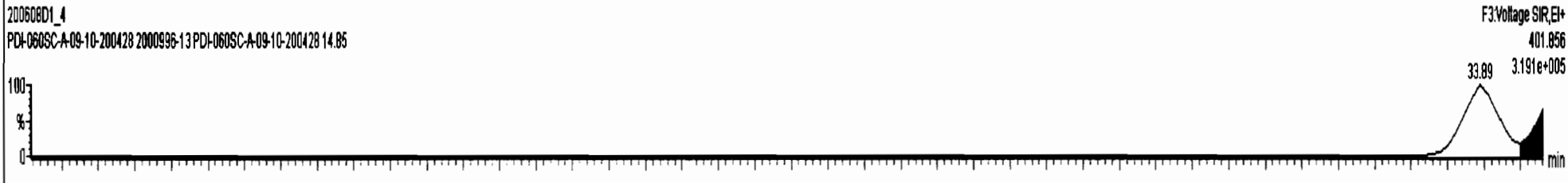
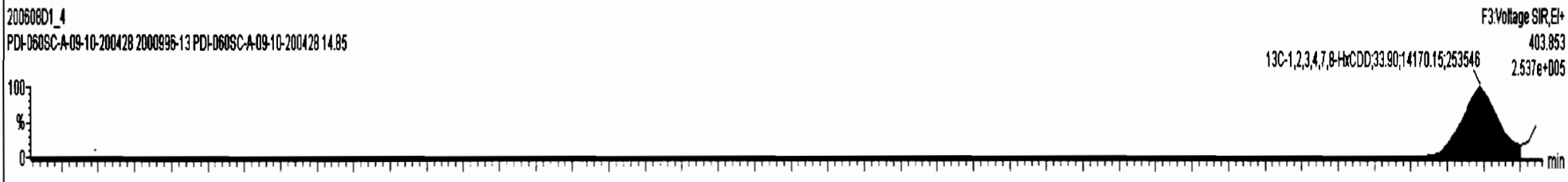
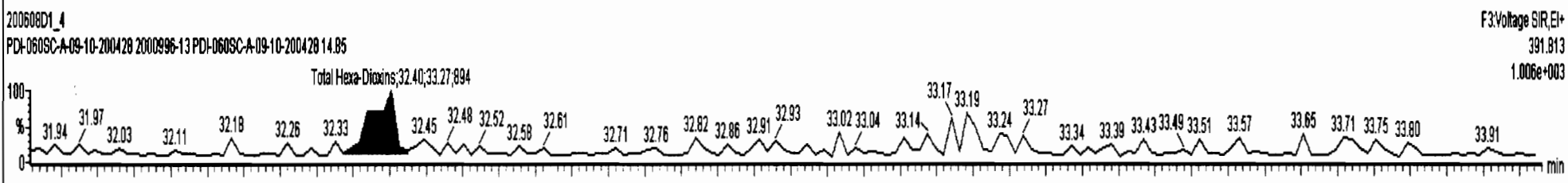
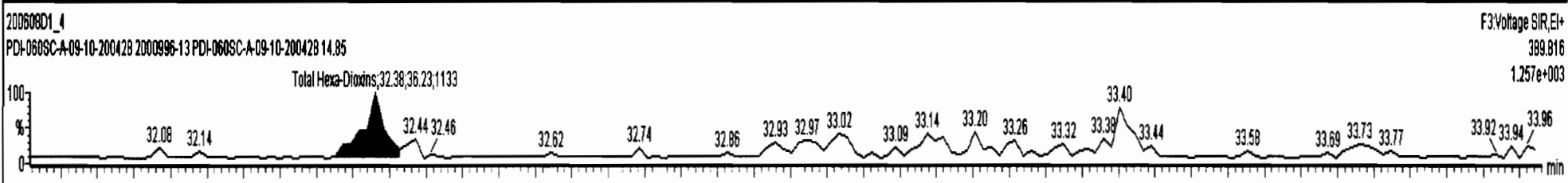
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200608D1_4



200608D1_4





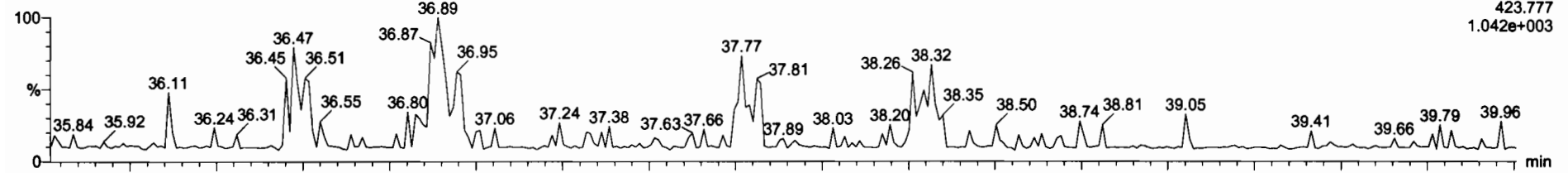
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Last Altered: Monday, June 08, 2020 16:51:55 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:10:49 Pacific Daylight Time

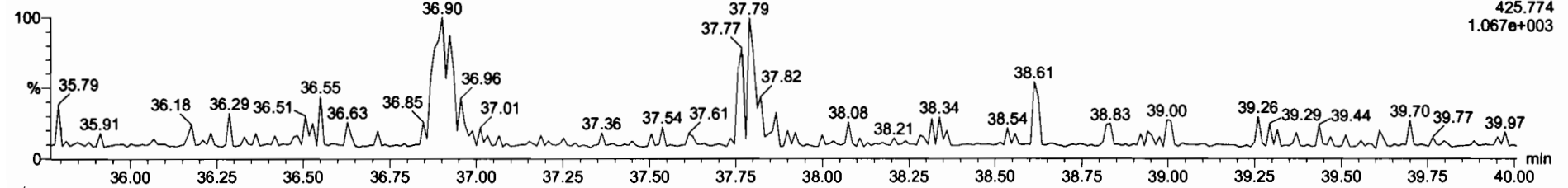
Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

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

200608D1_4

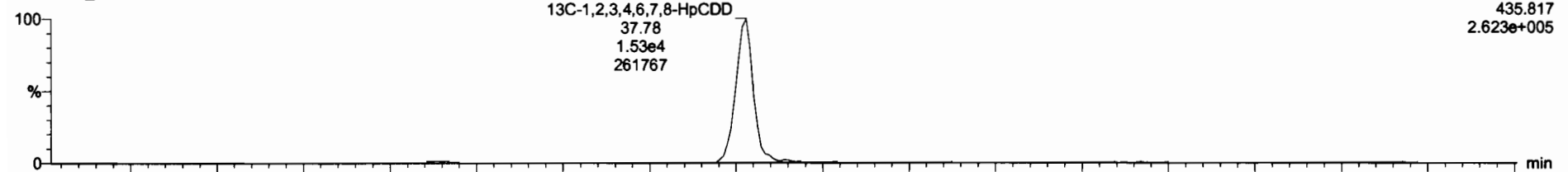


200608D1_4

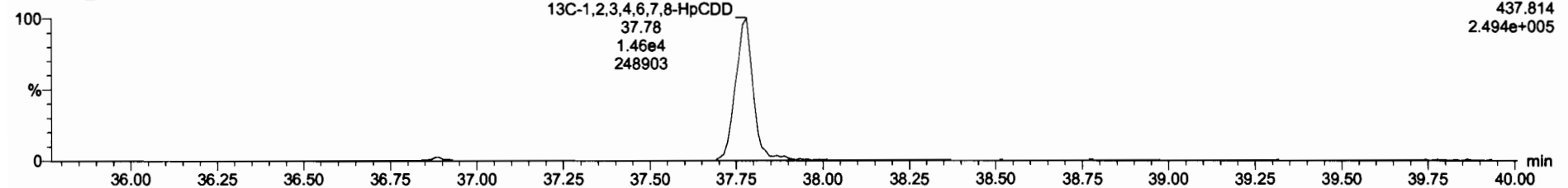


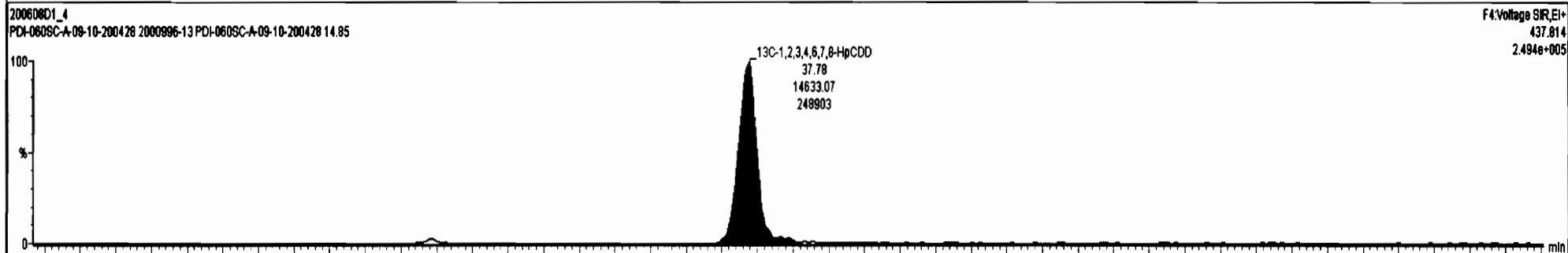
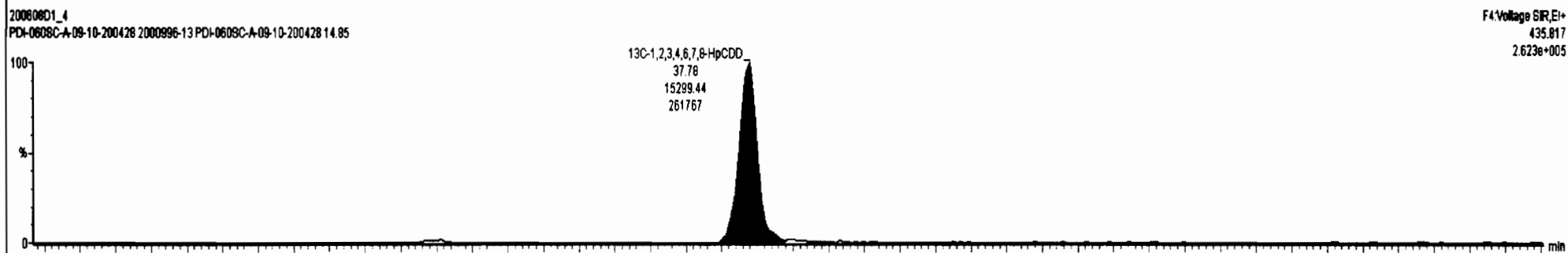
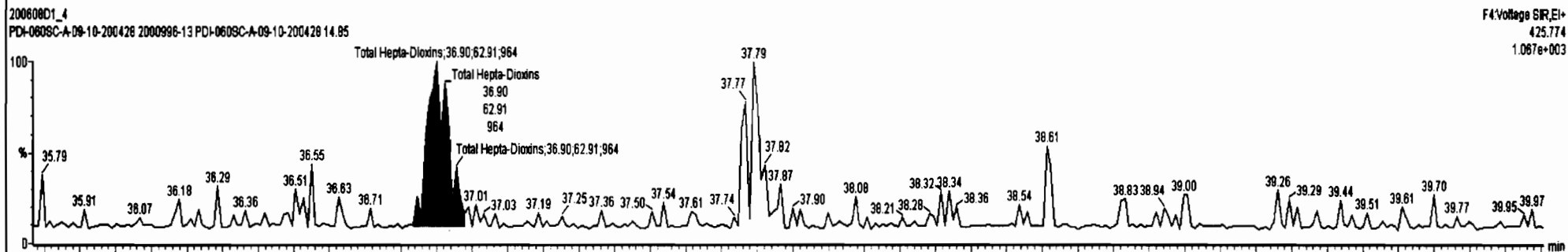
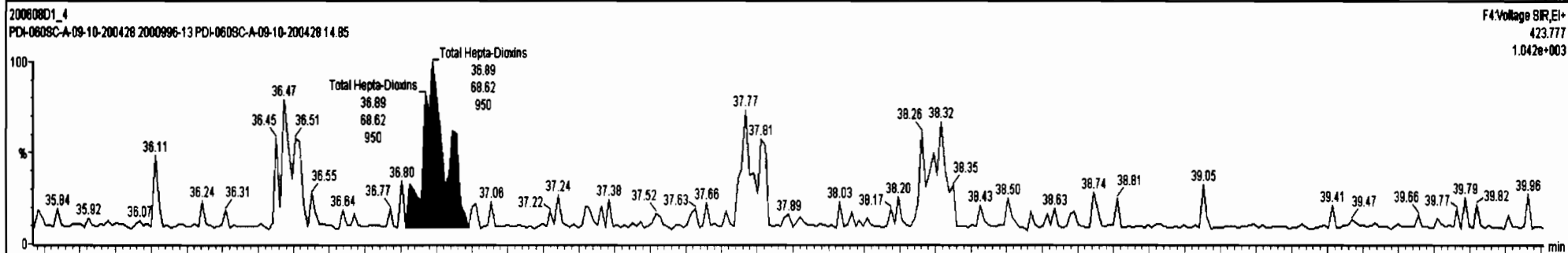
13C-1,2,3,4,6,7,8-HpCDD

200608D1_4



200608D1_4

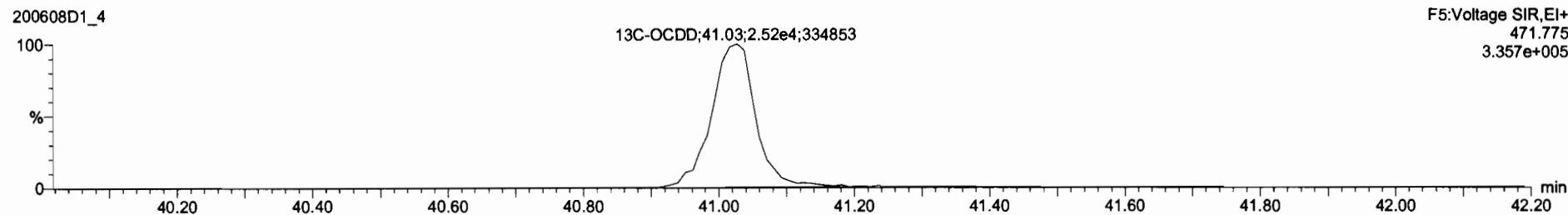
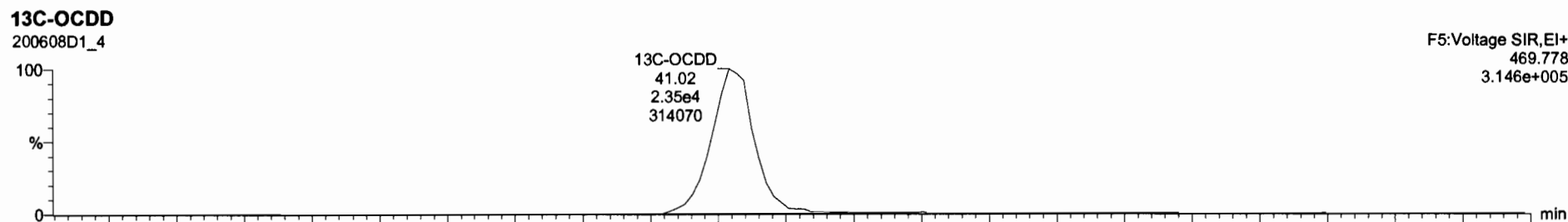
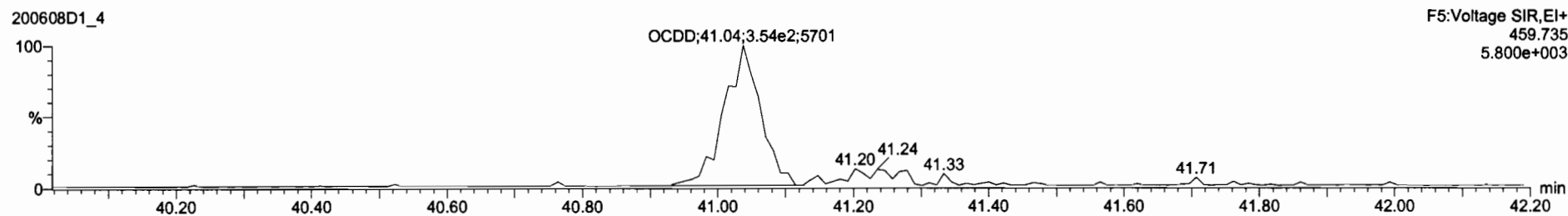
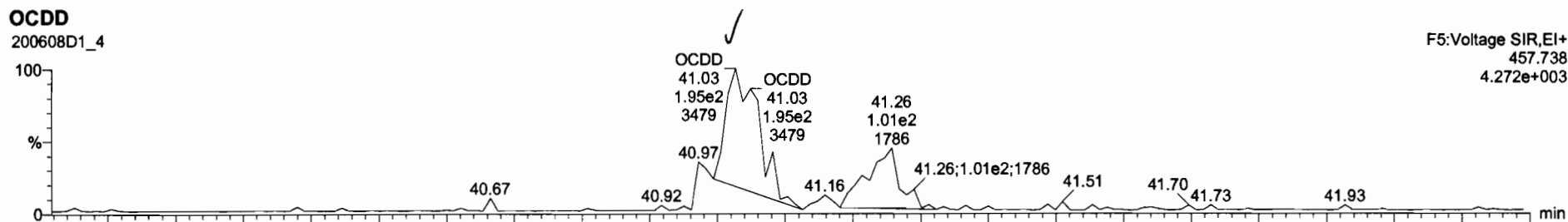


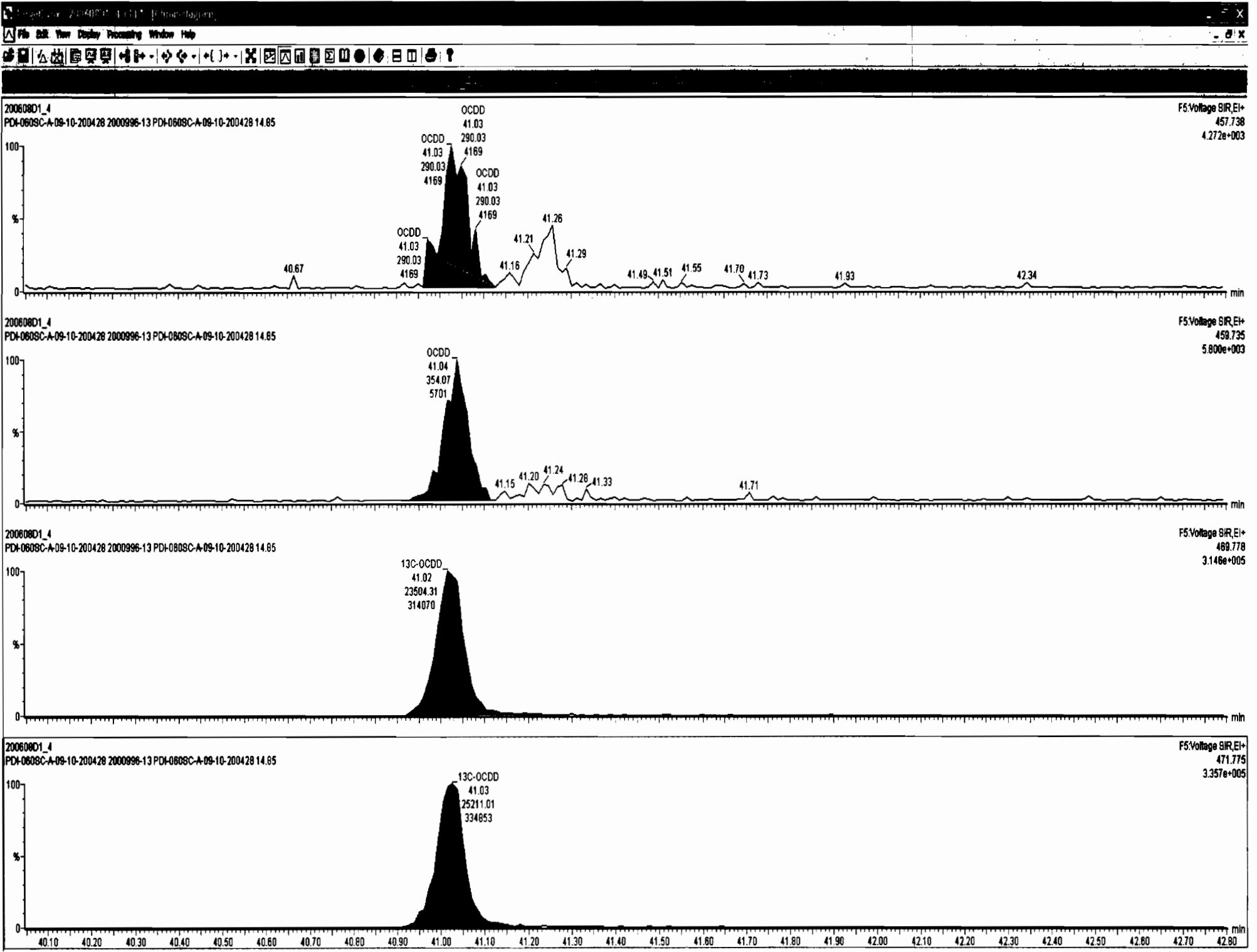


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

Last Altered: Monday, June 08, 2020 16:51:55 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:10:49 Pacific Daylight Time

Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428



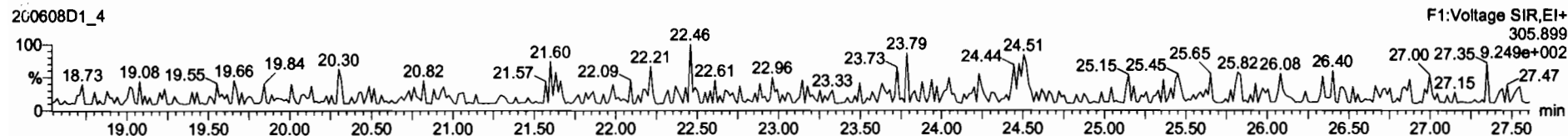
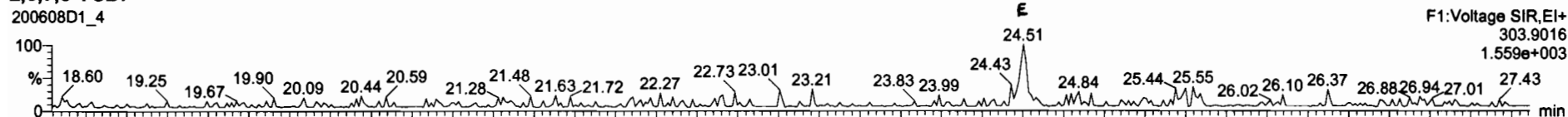


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

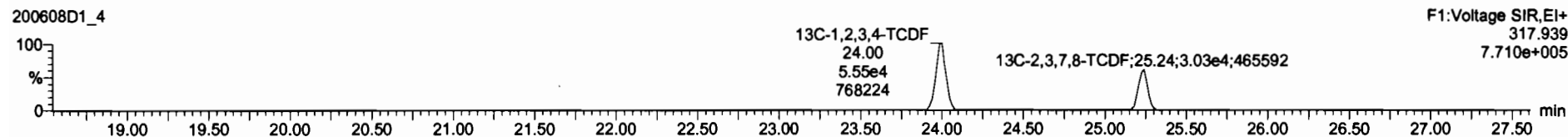
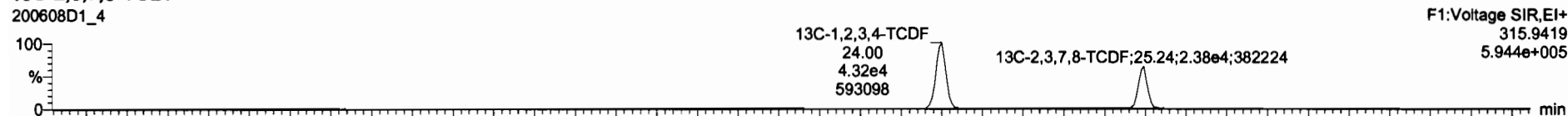
Last Altered: Monday, June 08, 2020 16:51:55 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:10:49 Pacific Daylight Time

Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

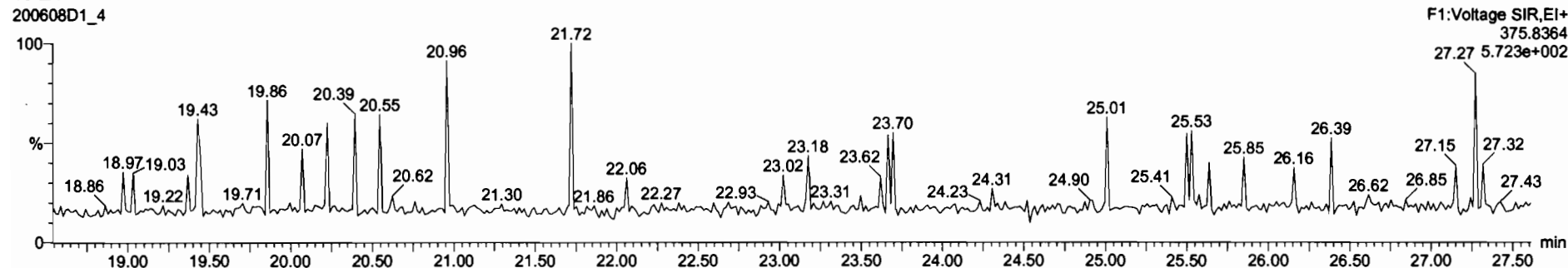
2,3,7,8-TCDF

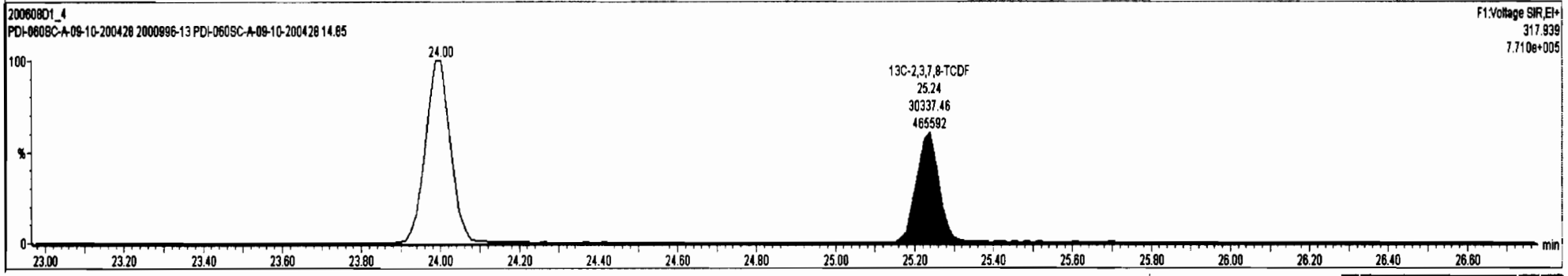
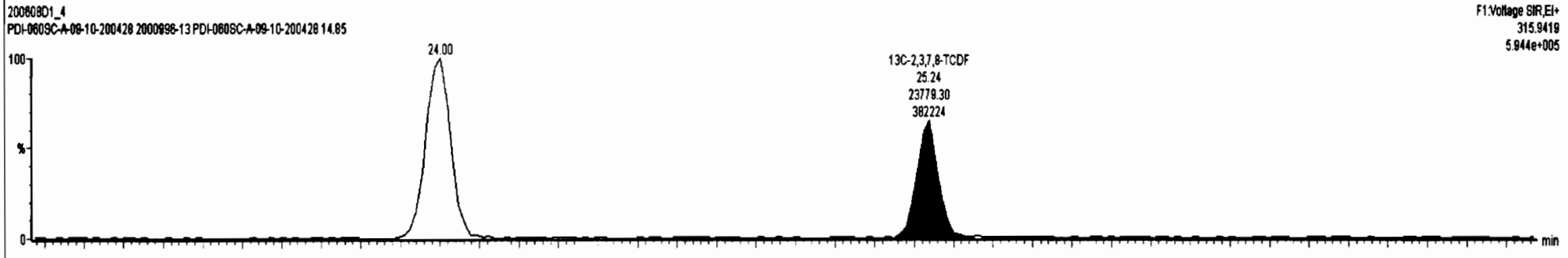
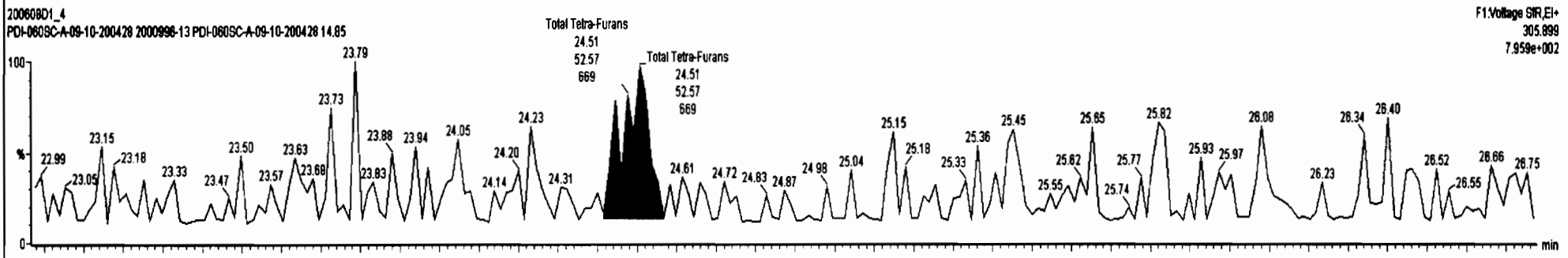
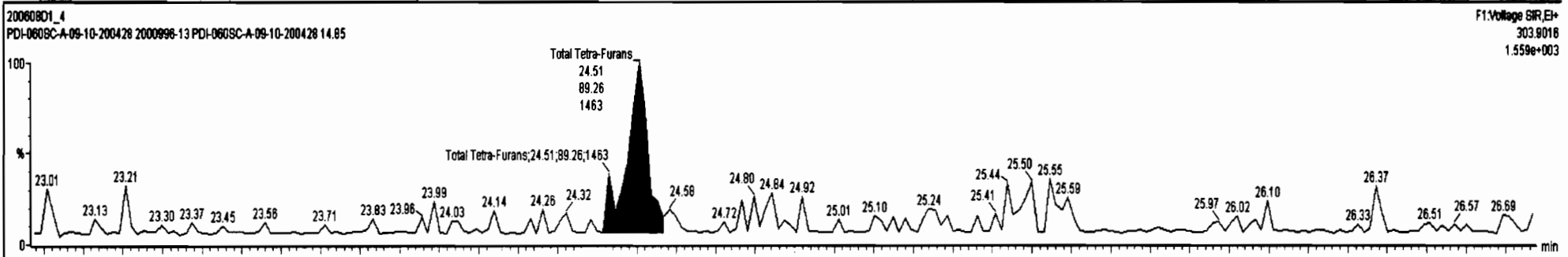


13C-2,3,7,8-TCDF



DPE1





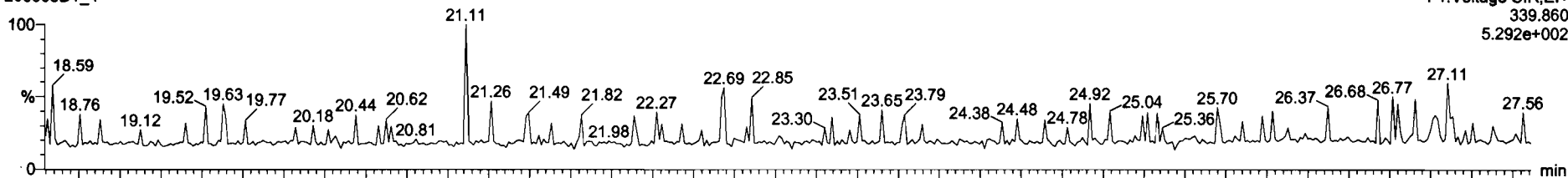
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

Last Altered: Monday, June 08, 2020 16:51:55 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:10:49 Pacific Daylight Time

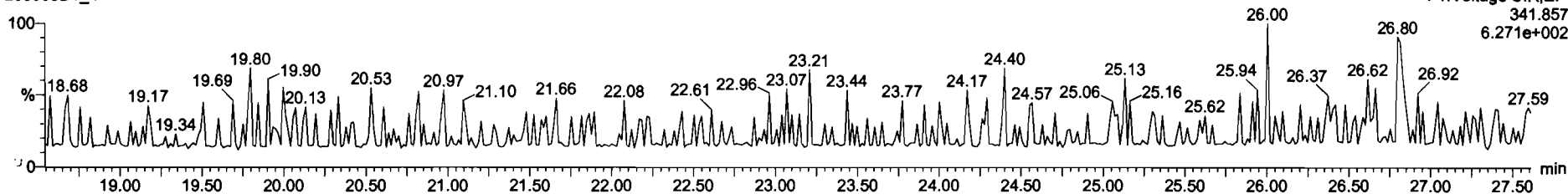
Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

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200608D1_4

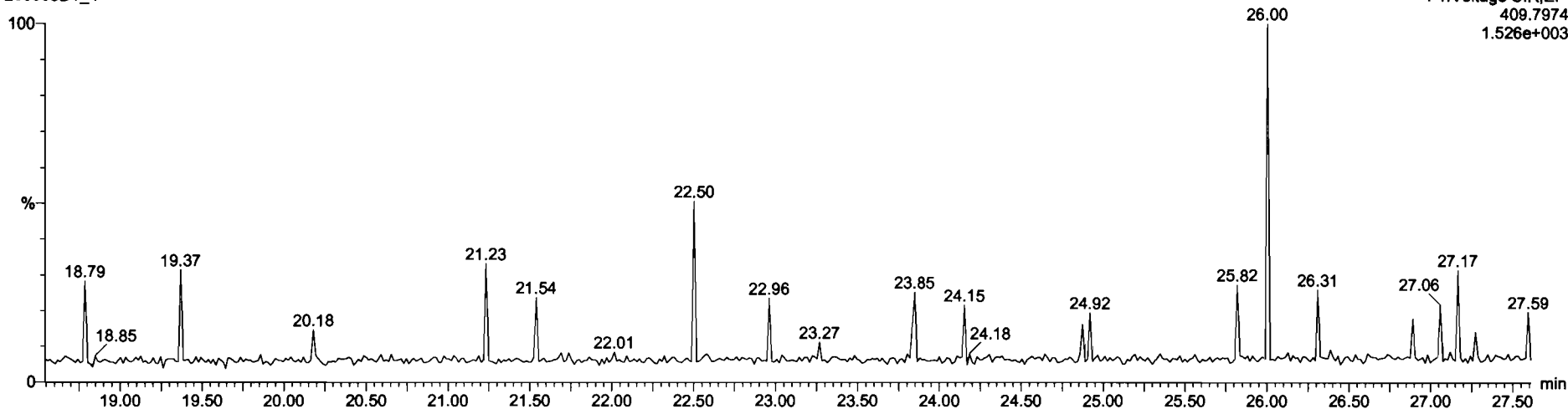


200608D1_4



DPE6

200608D1_4



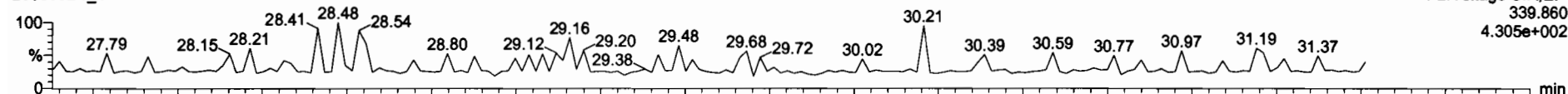
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

Last Altered: Monday, June 08, 2020 16:51:55 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:10:49 Pacific Daylight Time

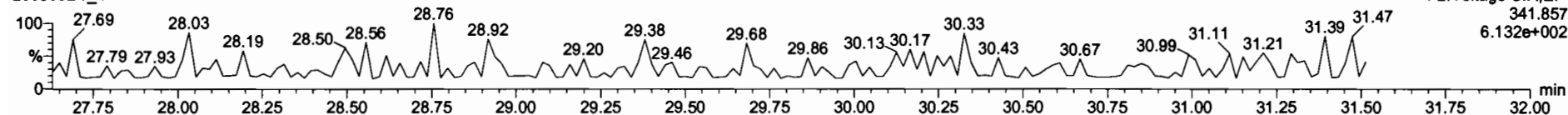
Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

1,2,3,7,8-PeCDF

200608D1_4

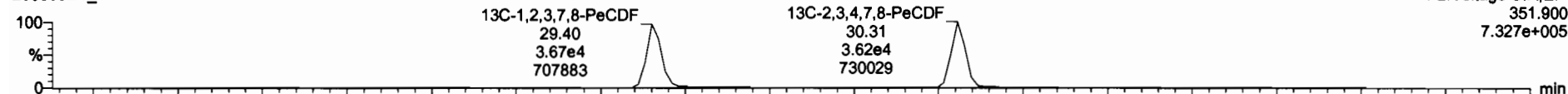


200608D1_4

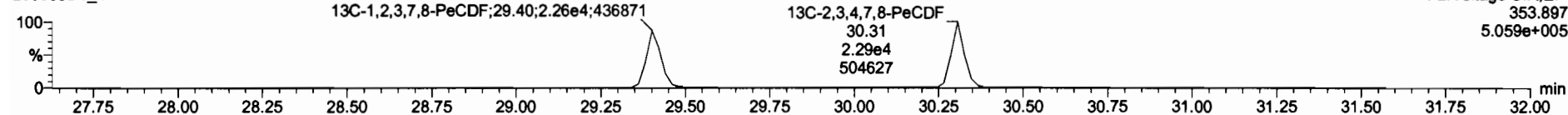


13C-1,2,3,7,8-PeCDF

200608D1_4

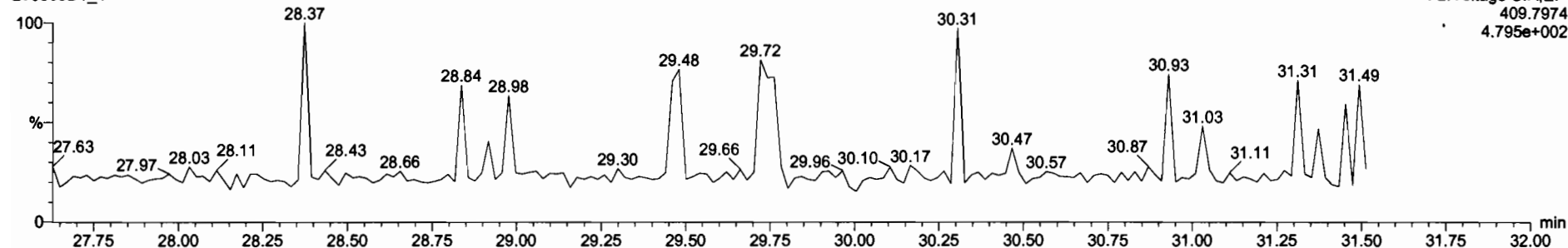


200608D1_4



DPE2

200608D1_4

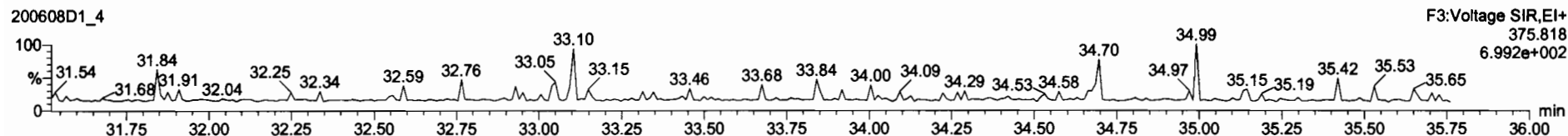
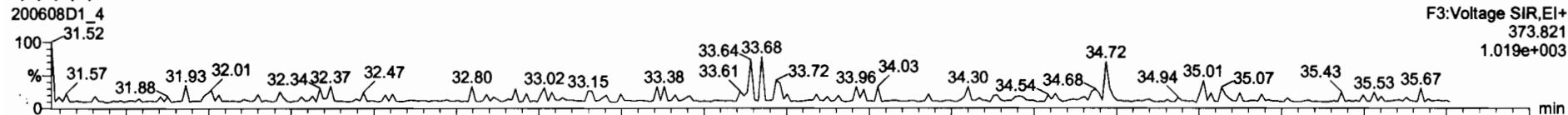


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

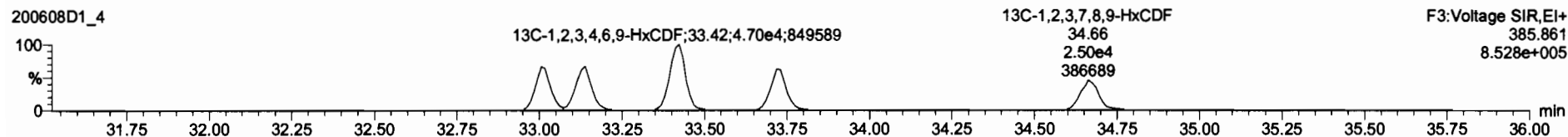
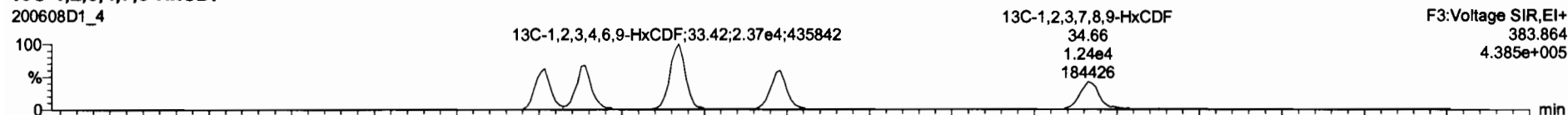
Last Altered: Monday, June 08, 2020 16:51:55 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:10:49 Pacific Daylight Time

Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

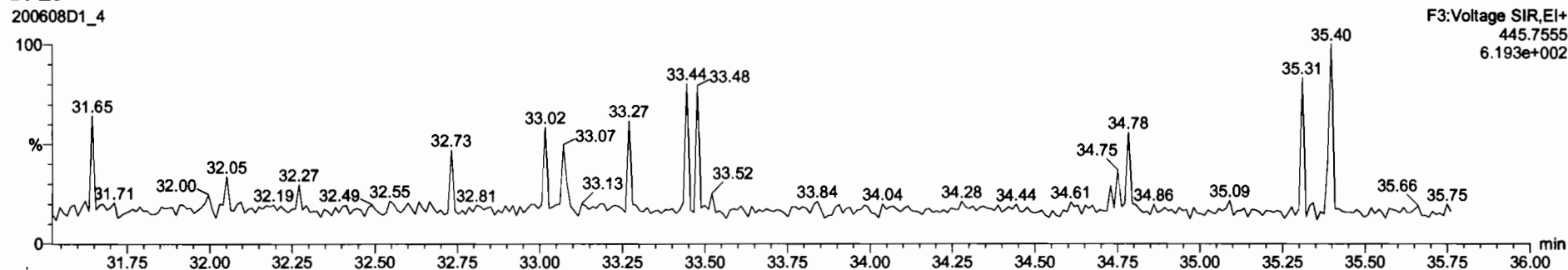
1,2,3,4,7,8-HxCDF



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



DPE3

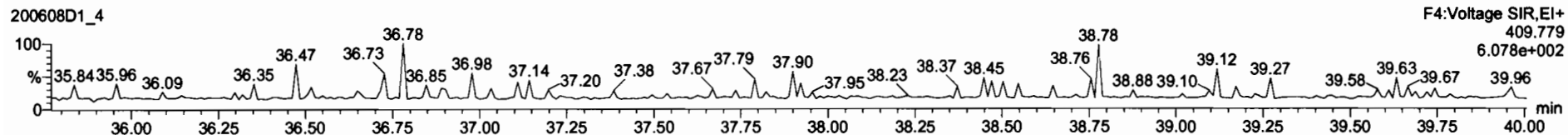
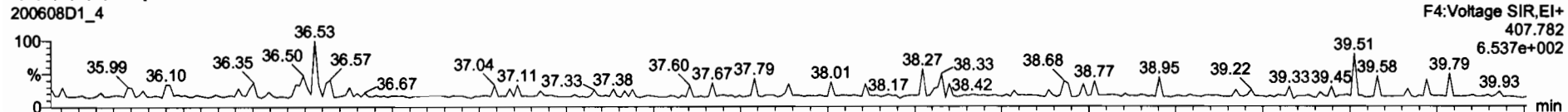


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

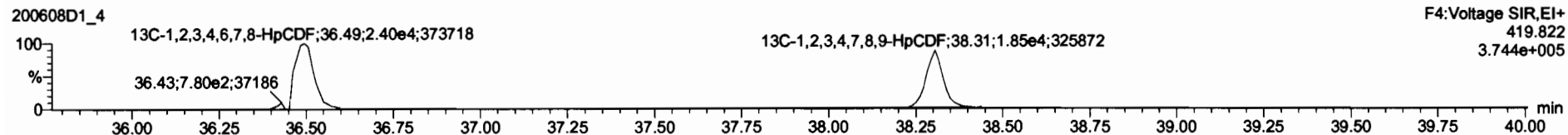
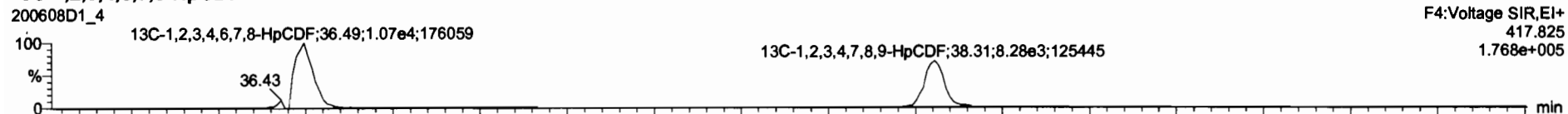
Last Altered: Monday, June 08, 2020 16:51:55 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:10:49 Pacific Daylight Time

Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428

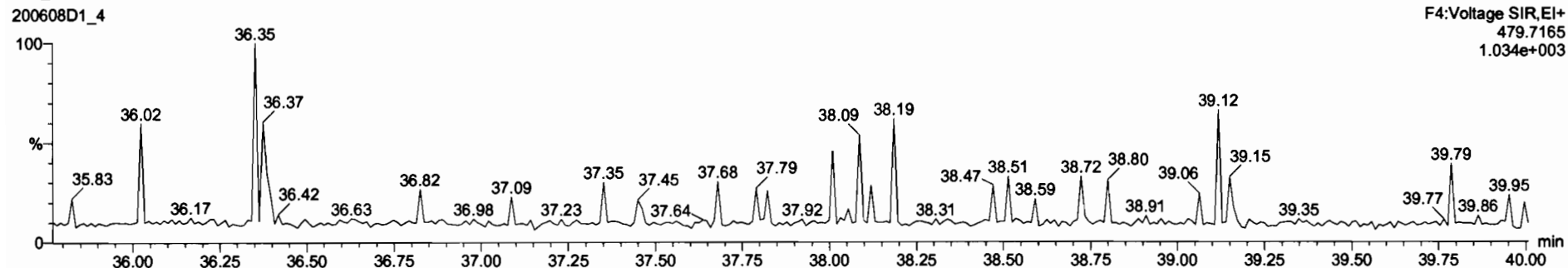
1,2,3,4,6,7,8-HpCDF



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



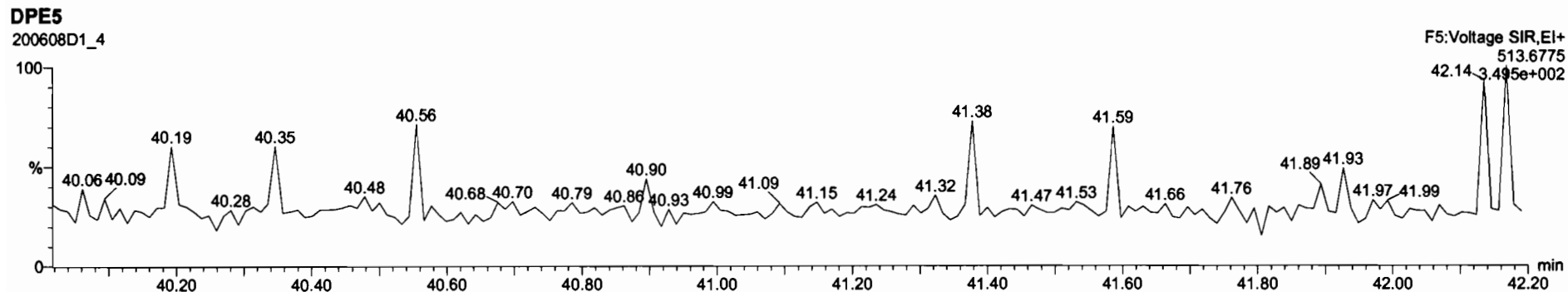
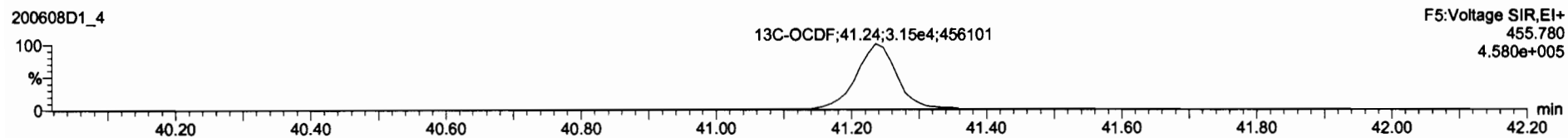
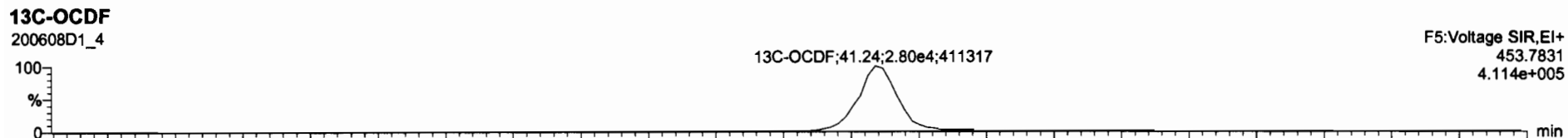
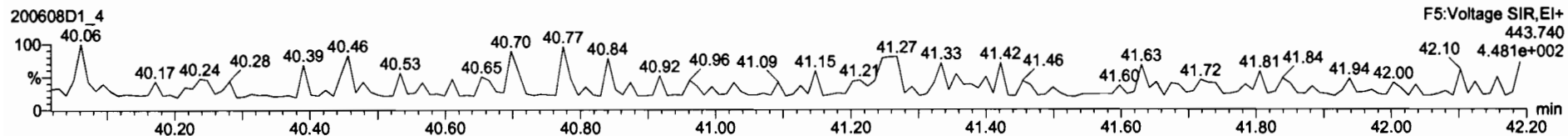
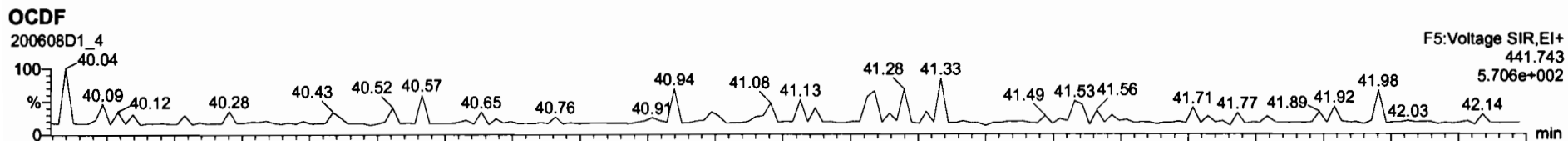
DPE4



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

Last Altered: Monday, June 08, 2020 16:51:55 Pacific Daylight Time
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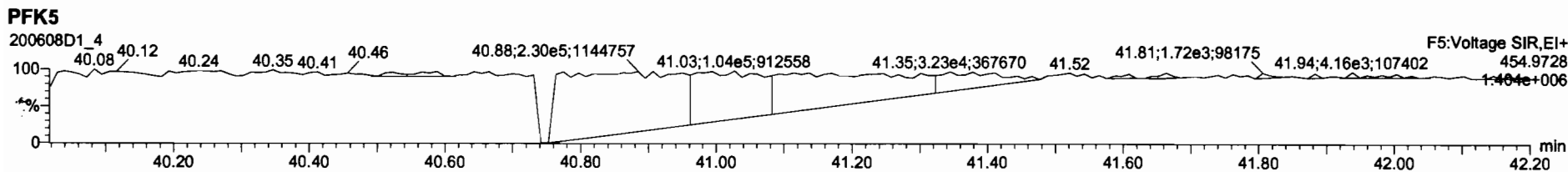
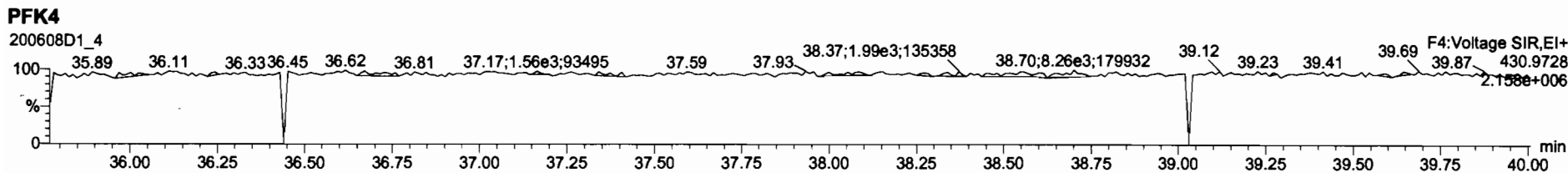
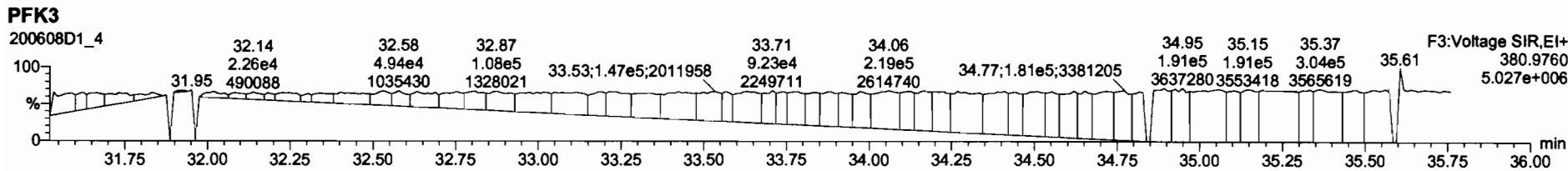
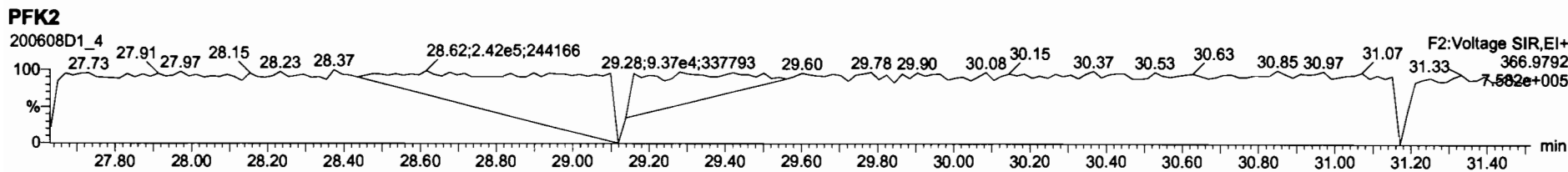
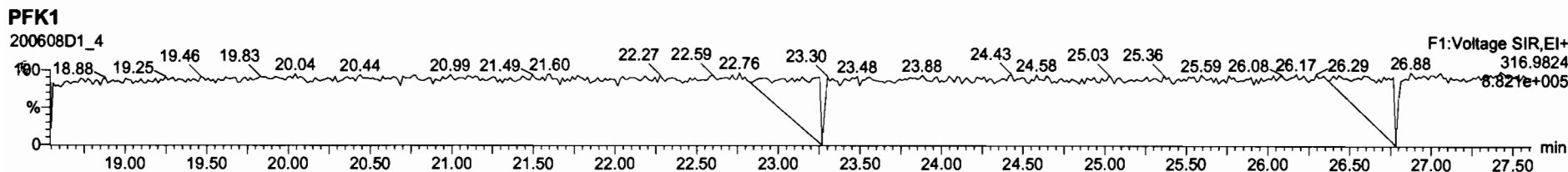
Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_4.qld

Last Altered: Monday, June 08, 2020 16:51:55 Pacific Daylight Time
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Name: 200608D1_4, Date: 08-Jun-2020, Time: 15:15:42, ID: 2000996-13 PDI-060SC-A-09-10-200428 14.85, Description: PDI-060SC-A-09-10-200428



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

Last Altered: Wednesday, July 08, 2020 13:47:49 Pacific Daylight Time
Printed: Wednesday, July 08, 2020 13:48:49 Pacific Daylight Time

DB 7/8/20 C7 07/08/2020

Method: Untitled 27 Apr 2020 14:17:24

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

Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	RA	RA	RA
1	2,3,7,8-TCDD			NO	0.987	10.040	26.097		1.001					0.355
2	1,2,3,7,8-PeCDD			NO	0.982	10.040	30.629		1.001					0.301
3	1,2,3,4,7,8-HxCDD			NO	1.17	10.040	33.917		1.000					0.334
4	1,2,3,6,7,8-HxCDD	9.84e1	1.52	YES	1.04	10.040	34.027	34.03	1.000	1.000	0.61068		0.341	0.544
5	1,2,3,7,8,9-HxCDD	1.51e2	1.32	NO	1.00	10.040	34.357	34.33	1.001	1.000	1.0211		0.379	1.02
6	1,2,3,4,6,7,8-HpCDD	2.89e3	1.00	NO	0.992	10.040	37.812	37.80	1.000	1.000	27.337		0.959	27.3
7	OCDD	2.03e4	0.86	NO	1.04	10.040	41.071	41.09	1.000	1.001	272.78		1.45	273
8	2,3,7,8-TCDF	1.26e2	0.87	NO	0.882	10.040	25.280	25.27	1.001	1.001	0.54602 (0.510)		0.582	0.546
9	1,2,3,7,8-PeCDF	8.95e1	1.40	NO	1.05	10.040	29.442	29.44	1.001	1.001	0.29518		0.265	0.295
10	2,3,4,7,8-PeCDF	6.19e1	1.37	NO	1.06	10.040	30.344	30.35	1.001	1.001	0.22460		0.248	0.225
11	1,2,3,4,7,8-HxCDF	1.02e2	0.97	YES	1.08	10.040	33.039	33.06	1.000	1.001	0.48050		0.249	0.432
12	1,2,3,6,7,8-HxCDF			NO	1.04	10.040	33.170		1.000				0.257	
13	2,3,4,6,7,8-HxCDF			NO	1.11	10.040	33.786		1.001				0.283	
14	1,2,3,7,8,9-HxCDF			NO	1.06	10.040	34.685		1.000				0.388	
15	1,2,3,4,6,7,8-HpCDF	3.83e2	1.13	NO	1.13	10.040	36.554	36.54	1.001	1.001	2.5279		0.661	2.53
16	1,2,3,4,7,8,9-HpCDF			NO	1.33	10.040	38.328		1.000				0.717	
17	OCDF	1.15e3	0.92	NO	0.933	10.040	41.279	41.30	1.000	1.001	15.400		1.02	15.4
18	13C-2,3,7,8-TCDD	4.34e4	0.77	NO	1.21	10.040	26.148	26.07	1.026	1.023	88.876	44.6	0.525	
19	13C-1,2,3,7,8-PeCDD	3.41e4	0.62	NO	0.996	10.040	30.633	30.61	1.202	1.201	84.727	42.5	0.391	
20	13C-1,2,3,4,7,8-HxCDD	2.68e4	1.27	NO	0.679	10.040	33.902	33.92	1.014	1.014	89.296	44.8	0.623	
21	13C-1,2,3,6,7,8-HxCDD	3.10e4	1.23	NO	0.850	10.040	34.012	34.03	1.017	1.018	82.390	41.4	0.497	
22	13C-1,2,3,7,8,9-HxCDD	2.93e4	1.21	NO	0.798	10.040	34.283	34.32	1.025	1.027	83.012	41.7	0.529	
23	13C-1,2,3,4,6,7,8-HpCDD	2.12e4	1.11	NO	0.697	10.040	37.747	37.80	1.129	1.131	68.868	34.6	0.713	
24	13C-OCDD	2.86e4	0.92	NO	0.579	10.040	40.769	41.07	1.219	1.228	111.63	28.0	0.676	
25	13C-2,3,7,8-TCDF	5.23e4	0.77	NO	1.13	10.040	25.230	25.25	0.990	0.991	74.196	37.2	0.696	
26	13C-1,2,3,7,8-PeCDF	5.78e4	1.58	NO	0.996	10.040	29.453	29.42	1.156	1.154	92.679	46.5	0.786	
27	13C-2,3,4,7,8-PeCDF	5.18e4	1.67	NO	0.969	10.040	30.353	30.33	1.191	1.190	85.357	42.9	0.807	
28	13C-1,2,3,4,7,8-HxCDF	3.86e4	0.51	NO	1.06	10.040	33.033	33.04	0.988	0.988	82.540	41.4	0.912	
29	13C-1,2,3,6,7,8-HxCDF	3.96e4	0.51	NO	1.18	10.040	33.167	33.16	0.992	0.992	76.277	38.3	0.821	
30	13C-2,3,4,6,7,8-HxCDF	3.50e4	0.51	NO	1.06	10.040	33.738	33.75	1.009	1.010	74.889	37.6	0.913	
31	13C-1,2,3,7,8,9-HxCDF	3.08e4	0.52	NO	0.879	10.040	34.638	34.69	1.036	1.037	79.217	39.8	1.10	

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

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Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc	Wt%	PU
32	13C-1,2,3,4,6,7,8-HpCDF	2.68e4	0.44	NO	0.893	10.040	36.343	36.52	1.087	1.092	67.820	34.0	0.640
33	13C-1,2,3,4,7,8,9-HpCDF	1.83e4	0.42	NO	0.613	10.040	38.349	38.33	1.147	1.146	67.367	33.8	0.932
34	13C-OCDF	3.19e4	0.87	NO	0.741	10.040	40.923	41.28	1.224	1.235	97.426	24.5	0.477
35	37Cl-2,3,7,8-TCDD	1.63e4			1.18	10.040	26.145	26.08	1.026	1.023	34.255	43.0	0.0703
36	13C-1,2,3,4-TCDD	8.06e4	0.82	NO	1.00	10.040	25.480	25.49	1.000	1.000	199.20	100	0.633
37	13C-1,2,3,4-TCDF	1.25e5	0.78	NO	1.00	10.040	24.020	24.03	1.000	1.000	199.20	100	0.785
38	13C-1,2,3,4,6,9-HxCDF	8.81e4	0.50	NO	1.00	10.040	33.530	33.43	1.000	1.000	199.20	100	0.965
39	Total Tetra-Dioxins				0.987	10.040	24.620		0.000				0.213
40	Total Penta-Dioxins				0.982	10.040	29.960		0.000		0.29586		0.125 0.483
41	Total Hexa-Dioxins				1.04	10.040	33.635		0.000		7.1409		0.361 11.9
42	Total Hepta-Dioxins				0.992	10.040	37.640		0.000		70.999		0.959 71.0
43	Total Tetra-Furans				0.882	10.040	23.610		0.000		2.8339		0.582 6.49
44	1st Func. Penta-Furans				1.05	10.040	27.090		0.000		1.7553		0.0979 1.76
45	Total Penta-Furans				1.05	10.040	29.275		0.000		1.7904		0.259 2.50
46	Total Hexa-Furans				1.11	10.040	33.555		0.000		1.5660		0.279 2.80
47	Total Hepta-Furans				1.13	10.040	37.835		0.000		11.798		0.736 11.8

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

Last Altered: Wednesday, July 08, 2020 13:47:49 Pacific Daylight Time
Printed: Wednesday, July 08, 2020 13:48:49 Pacific Daylight Time

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

Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

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	28.58	3.090e2	9.400e2	1.216e1	4.610e1	0.26	YES	0.000e0	0.00000	0.18694	0.125
Total Penta-Dioxins	29.02	4.790e2	6.390e2	1.817e1	3.162e1	0.57	NO	4.978e1	0.29586	0.29586	0.125

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hexa-Dioxins	32.40	9.356e3	7.495e3	4.727e2	3.700e2	1.28	NO	8.426e2	5.5822	5.5822	0.361
Total Hexa-Dioxins	32.97	1.109e3	7.430e2	4.572e1	3.545e1	1.29	NO	8.116e1	0.53767	0.53767	0.361
Total Hexa-Dioxins	33.22	7.202e3	5.209e3	4.186e2	2.865e2	1.46	YES	0.000e0	0.00000	4.2511	0.361
1,2,3,6,7,8-HxCDD	34.03	1.557e3	1.095e3	5.928e1	3.909e1	1.52	YES	9.837e1	0.00000	0.54375	0.341
1,2,3,7,8,9-HxCDD	34.33	1.762e3	1.732e3	8.565e1	6.500e1	1.32	NO	1.507e2	1.0211	1.0211	0.379

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc	EMPC	DL
Total Hepta-Dioxins	36.93	3.263e4	3.297e4	2.352e3	2.261e3	1.04	NO	4.613e3	43.662	43.662	0.959
1,2,3,4,6,7,8-HpCDD	37.80	2.536e4	2.551e4	1.446e3	1.442e3	1.00	NO	2.888e3	27.337	27.337	0.959

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

Last Altered: Wednesday, July 08, 2020 13:47:49 Pacific Daylight Time
Printed: Wednesday, July 08, 2020 13:48:49 Pacific Daylight Time

Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Comp	EMPC	DL
Total Tetra-Furans	21.04	1.007e3	6.730e2	7.093e1	6.208e1	1.14	YES	0.000e0	0.00000	0.47435	0.582
Total Tetra-Furans	21.65	3.586e3	3.942e3	2.331e2	2.969e2	0.79	NO	5.300e2	2.2879	2.2879	0.582
Total Tetra-Furans	22.58	1.389e3	1.269e3	9.679e1	1.005e2	0.96	YES	0.000e0	0.00000	0.76758	0.582
Total Tetra-Furans	23.02	9.900e2	2.735e3	5.072e1	1.349e2	0.38	YES	0.000e0	0.00000	0.50329	0.582
Total Tetra-Furans	23.92	2.869e3	2.519e3	1.515e2	1.472e2	1.03	YES	0.000e0	0.00000	1.1248	0.582
Total Tetra-Furans	24.48	1.587e3	2.226e3	7.889e1	1.370e2	0.58	YES	0.000e0	0.00000	0.78288	0.582
2,3,7,8-TCDF	25.27	1.115e3	1.175e3	5.896e1	6.753e1	0.87	NO	1.265e2	0.54602	0.54602	0.582

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Comp	EMPC	DL
1st Func. Penta-Furans	27.10	4.716e3	2.968e3	2.993e2	2.052e2	1.46	NO	5.044e2	1.7553	1.7553	0.0979

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Comp	EMPC	DL
Total Penta-Furans	28.51	1.873e3	1.750e3	1.389e2	9.152e1	1.52	NO	2.304e2	0.80170	0.80170	0.259
Total Penta-Furans	29.06	1.308e3	1.045e3	7.989e1	6.270e1	1.27	YES	0.000e0	0.00000	0.45737	0.259
1,2,3,7,8-PeCDF	29.44	1.135e3	5.230e2	5.218e1	3.731e1	1.40	NO	8.948e1	0.29518	0.29518	0.265
Total Penta-Furans	29.68	1.448e3	4.630e2	6.356e1	2.868e1	2.22	YES	0.000e0	0.00000	0.25448	0.259
2,3,4,7,8-PeCDF	30.35	1.235e3	7.810e2	3.577e1	2.609e1	1.37	NO	6.187e1	0.22460	0.22460	0.248
Total Penta-Furans	30.39	1.665e3	1.221e3	8.458e1	5.017e1	1.69	NO	1.347e2	0.46888	0.46888	0.259

Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Comp	EMPC	DL
Total Hexa-Furans	32.05	2.274e3	2.449e3	8.906e1	8.696e1	1.02	YES	0.000e0	0.00000	0.80102	0.279
Total Hexa-Furans	32.58	4.197e3	2.859e3	1.774e2	1.371e2	1.29	NO	3.145e2	1.5660	1.5660	0.279
1,2,3,4,7,8-HxCDF	33.06	1.337e3	1.469e3	5.017e1	5.197e1	0.97	YES	1.021e2	0.00000	0.43177	0.249

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

Last Altered: Wednesday, July 08, 2020 13:47:49 Pacific Daylight Time
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Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	PA	By	Resp	Conc	EMPC	DL
1,2,3,4,6,7,8-HpCDF	36.54	2.736e3	2.891e3	2.035e2	1.797e2	1.13	NO	3.832e2	2.5279	2.5279	0.661
Total Hepta-Furans	37.14	8.668e3	8.922e3	5.930e2	5.893e2	1.01	NO	1.182e3	9.2699	9.2699	0.736

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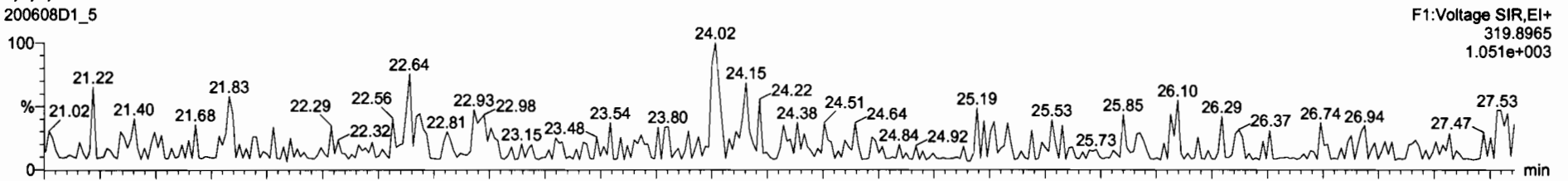
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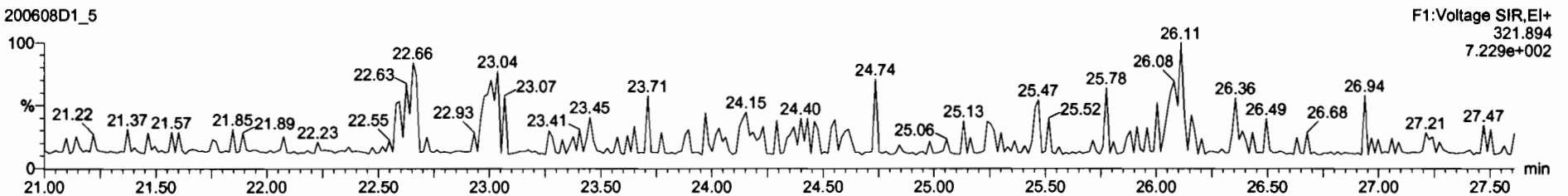
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2,3,7,8-TCDD

200608D1_5

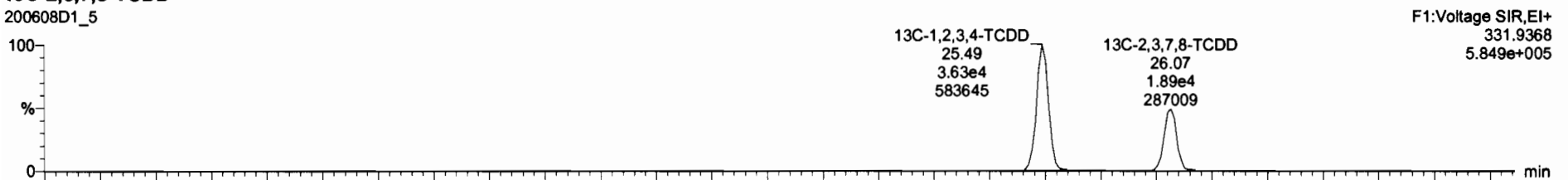


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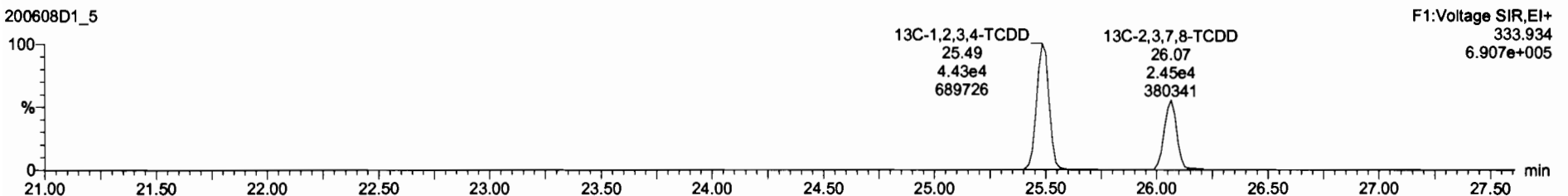


13C-2,3,7,8-TCDD

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200608D1_5



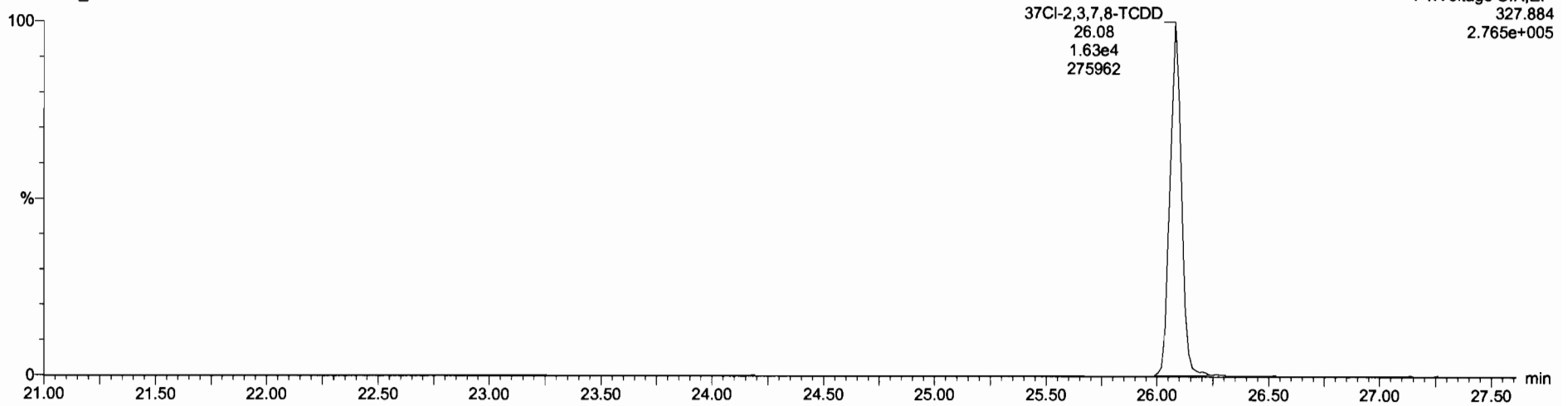
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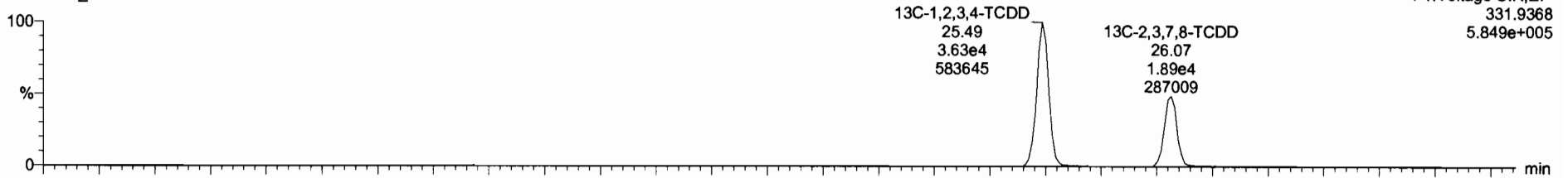
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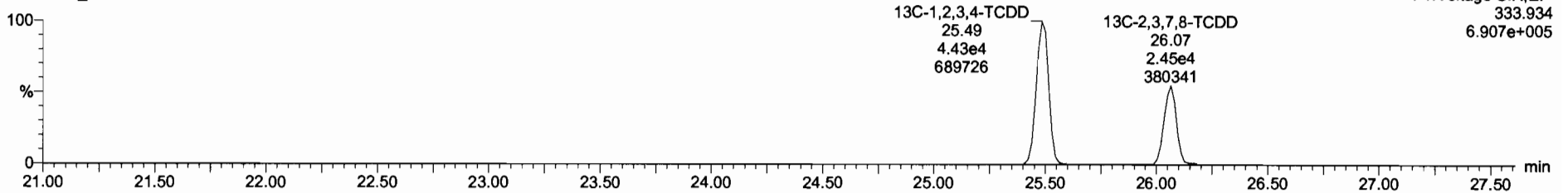


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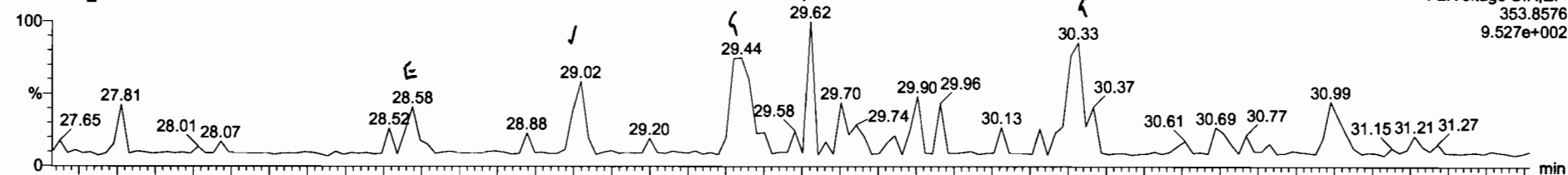
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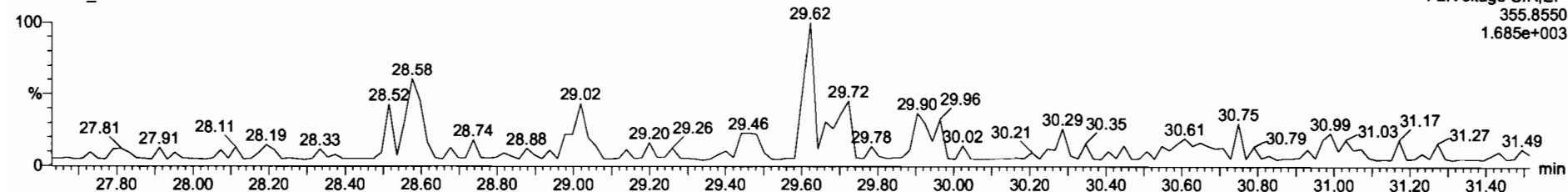
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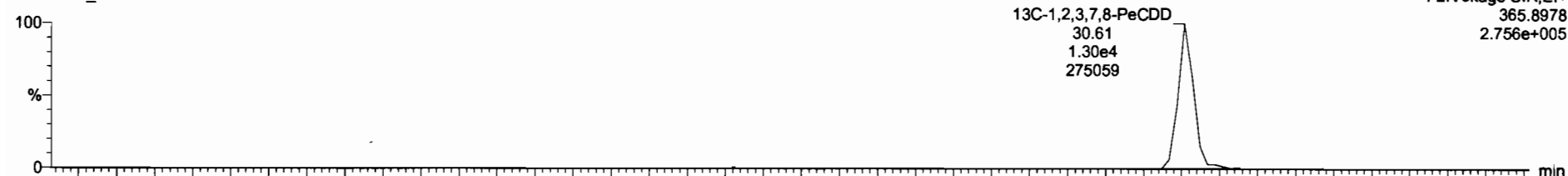


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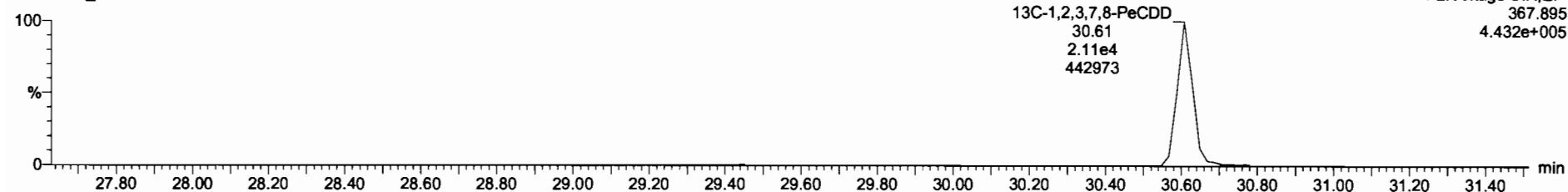


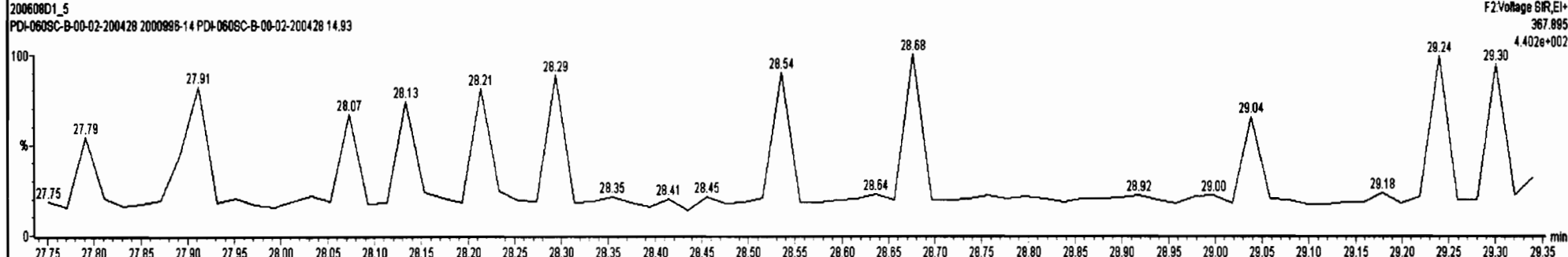
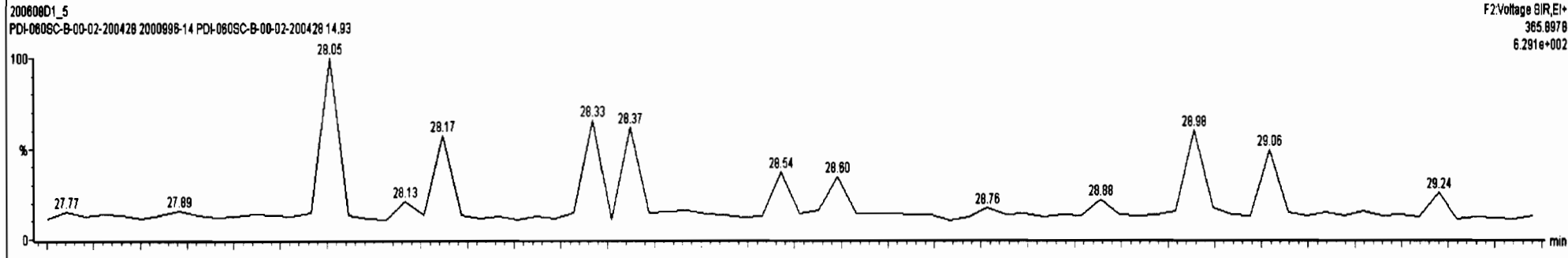
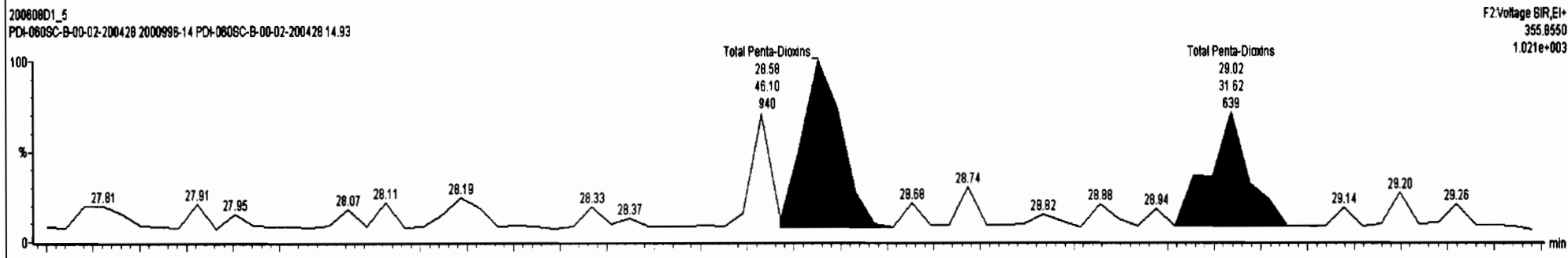
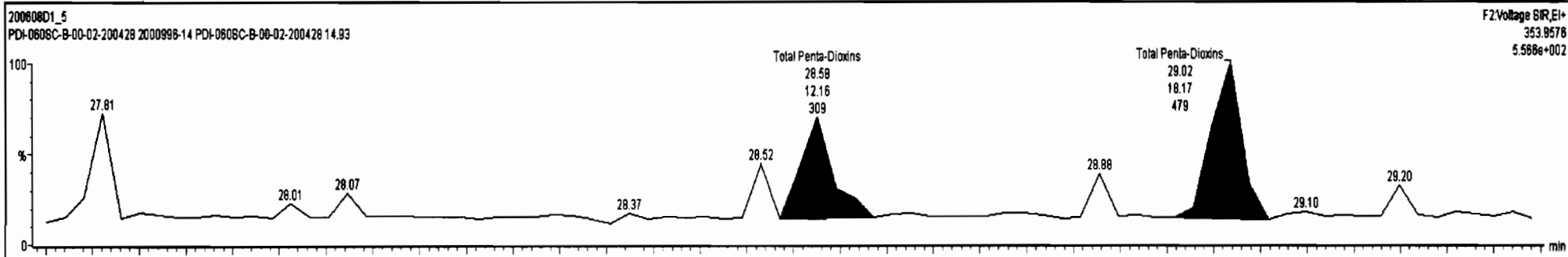
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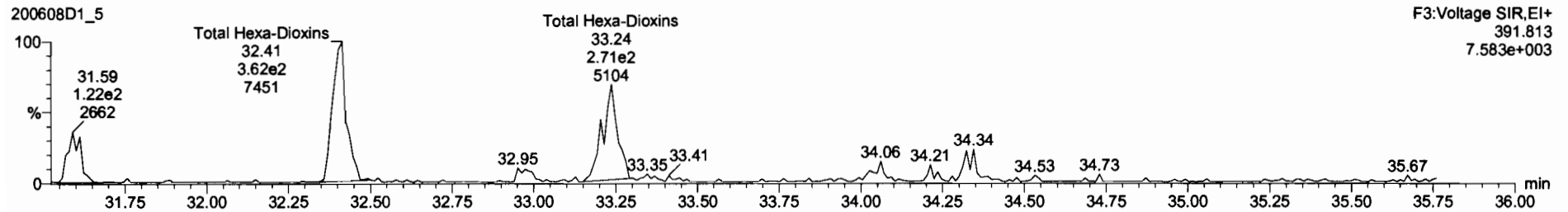
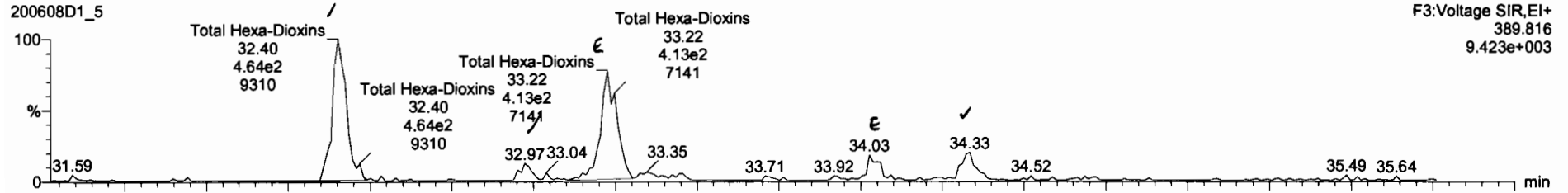


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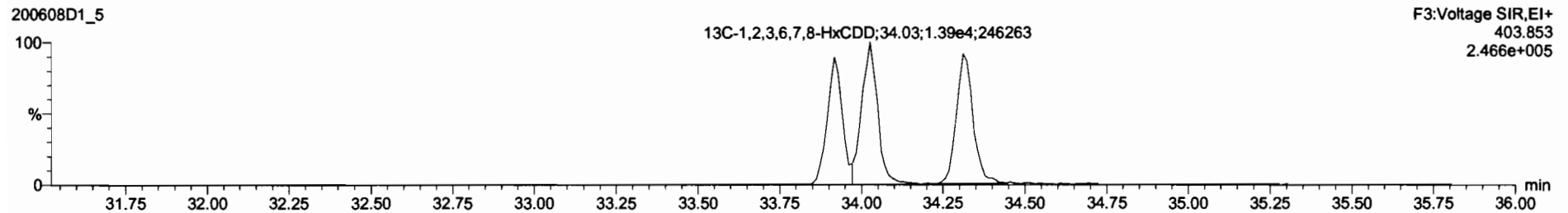
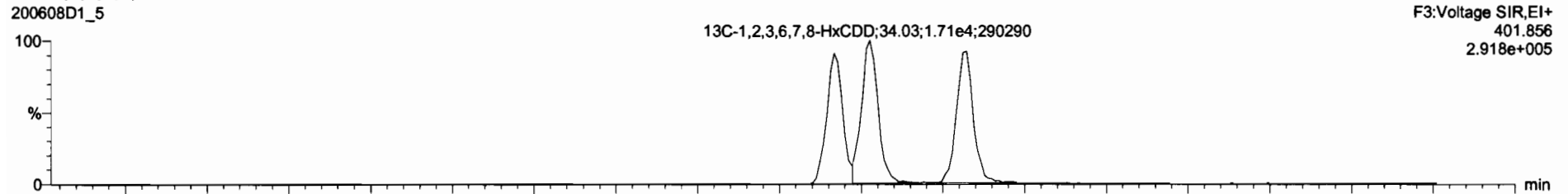
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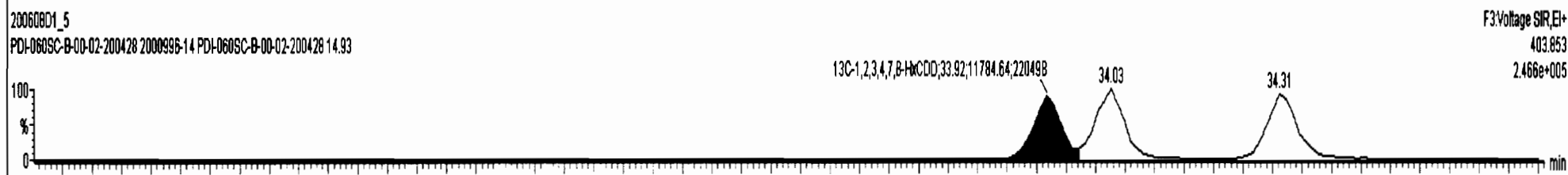
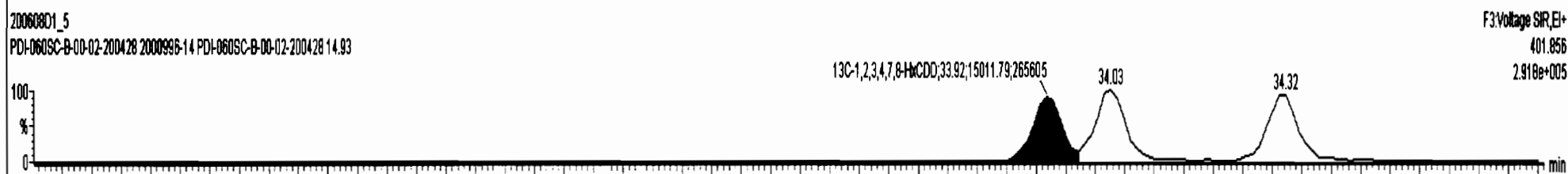
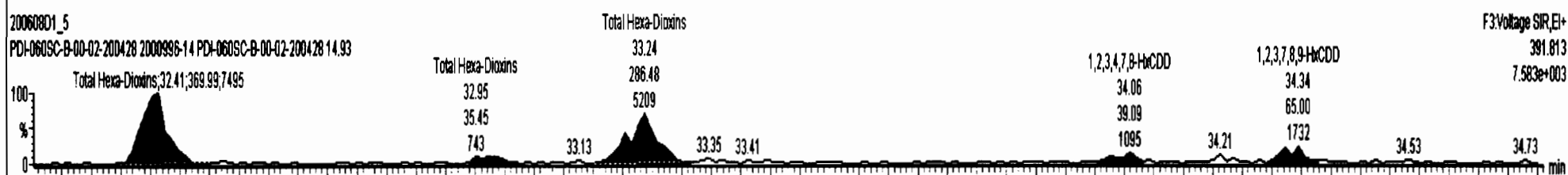
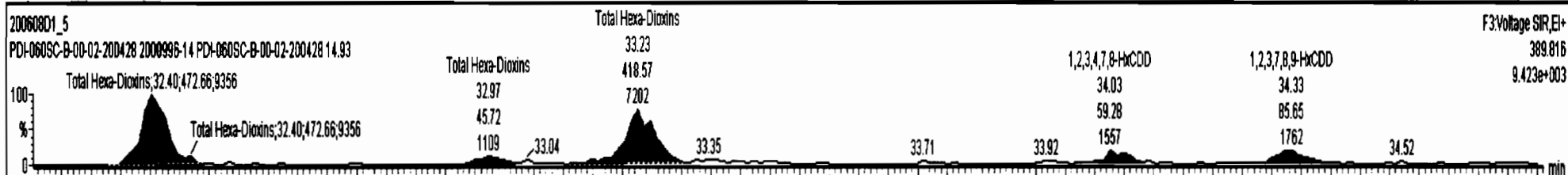
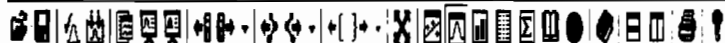
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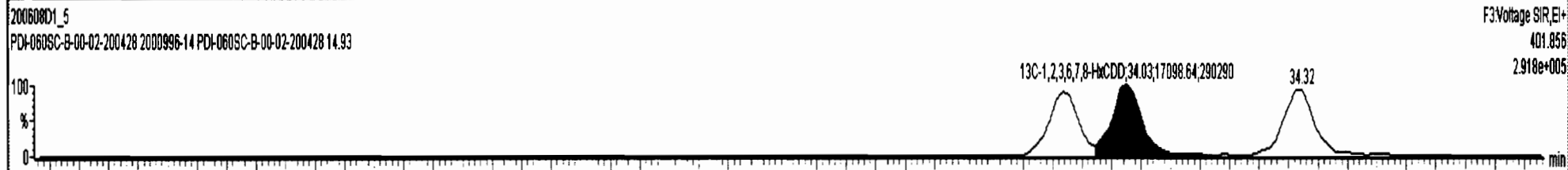
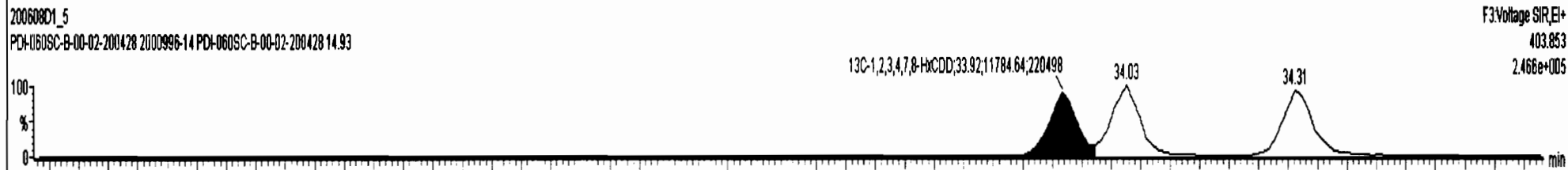
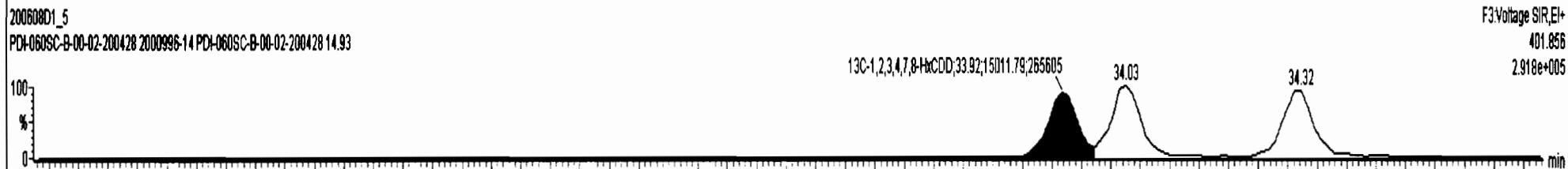
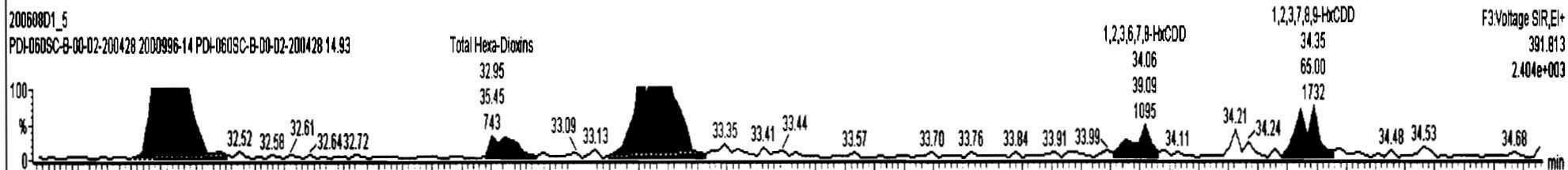
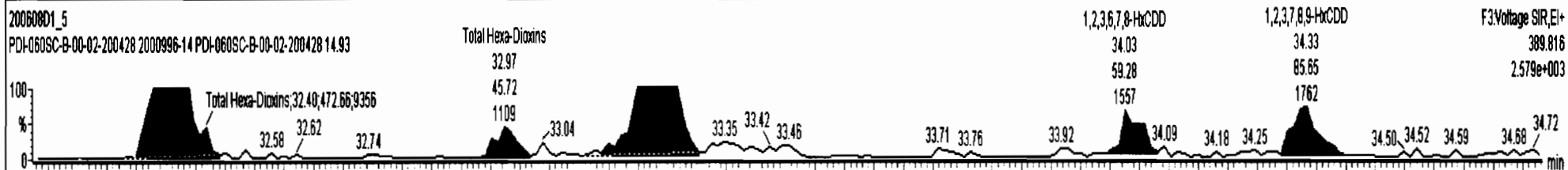
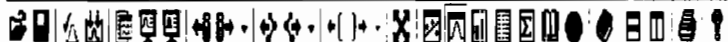
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13C-1,2,3,4,7,8-HxCDD







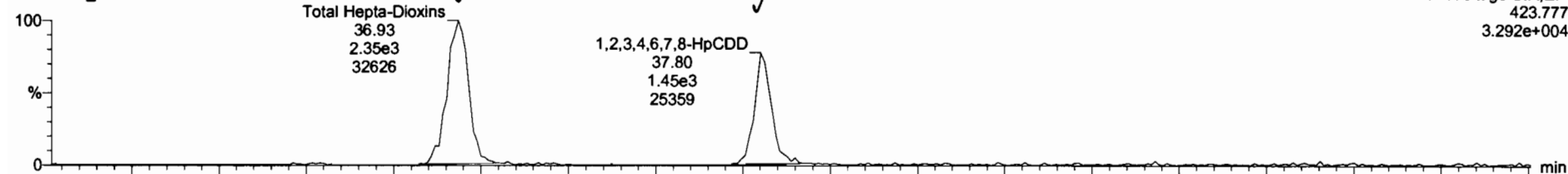
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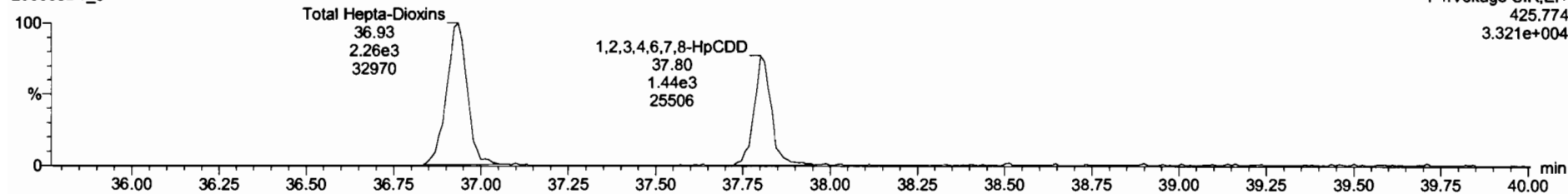
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1,2,3,4,6,7,8-HpCDD

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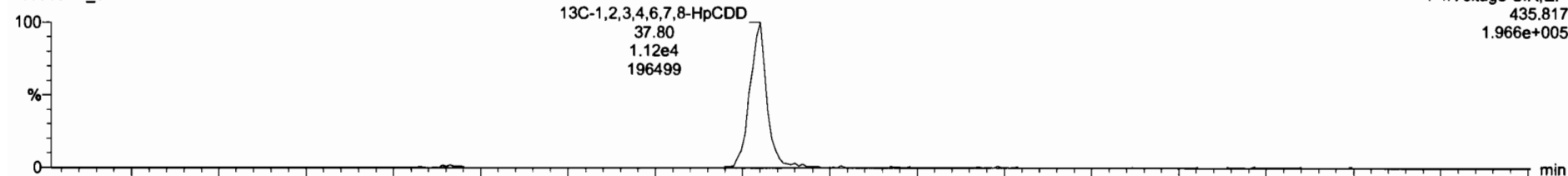


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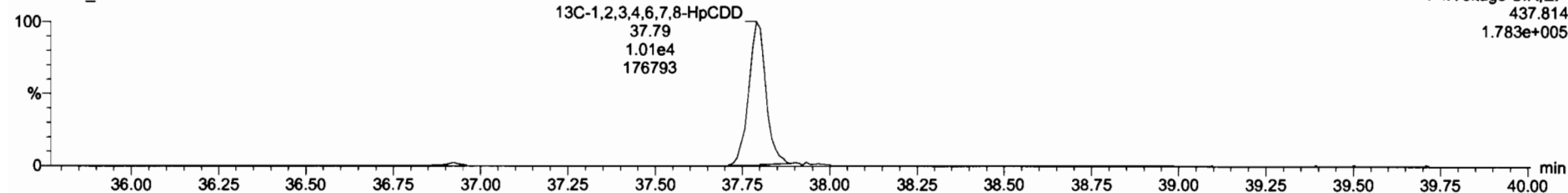


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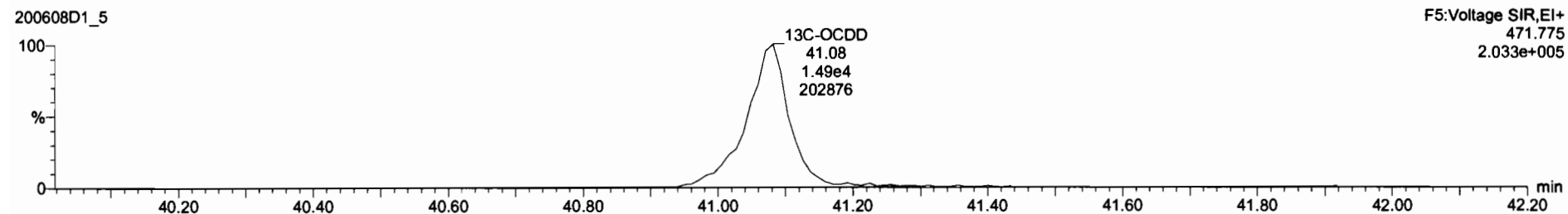
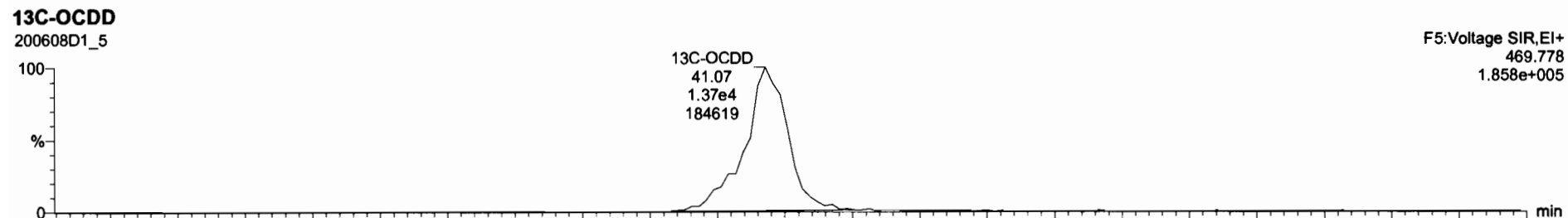
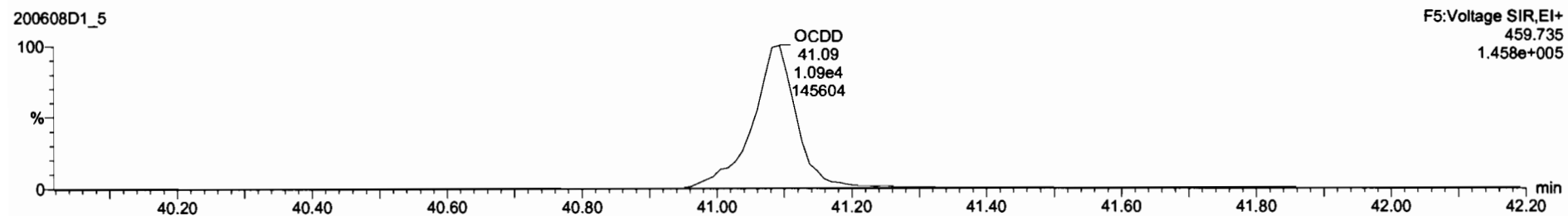
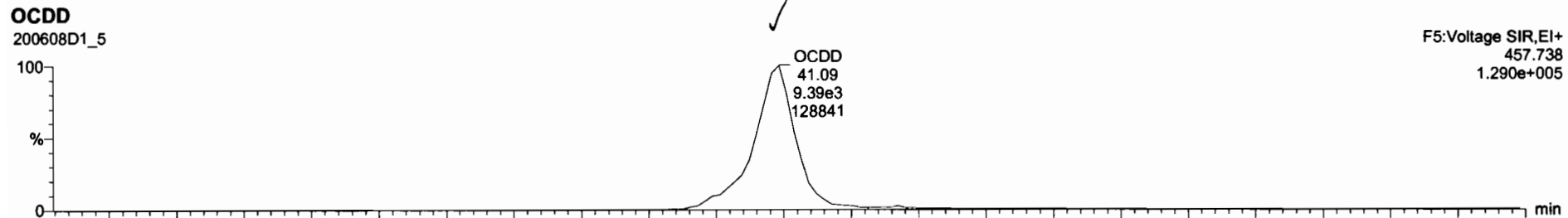
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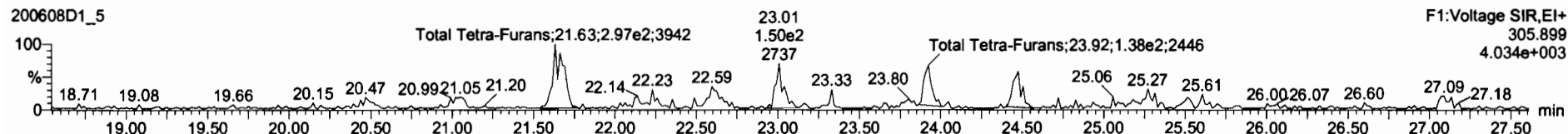
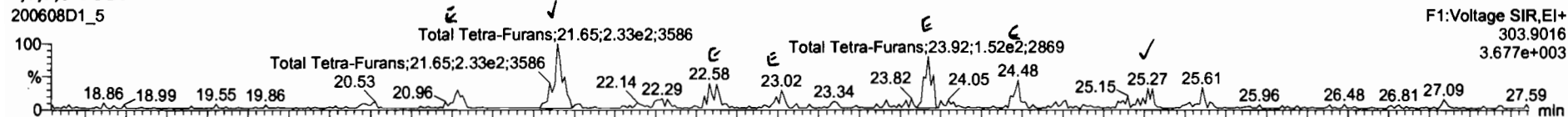


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

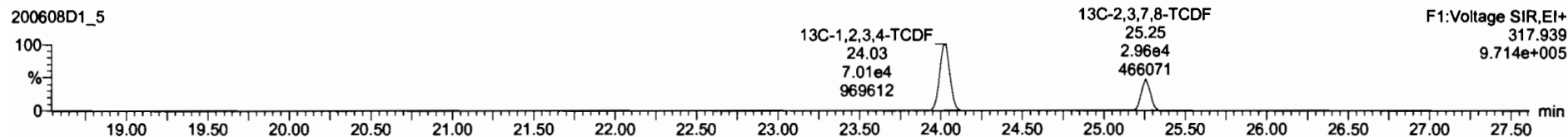
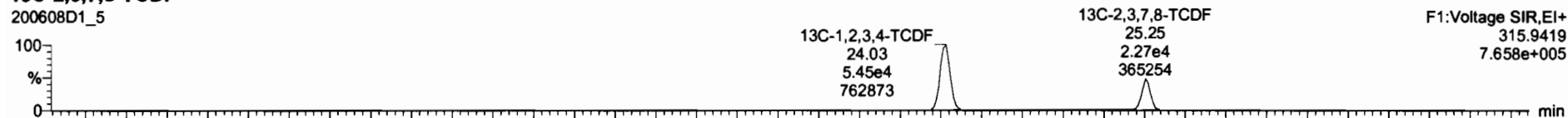
Last Altered: Monday, June 08, 2020 16:52:57 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:28:54 Pacific Daylight Time

Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

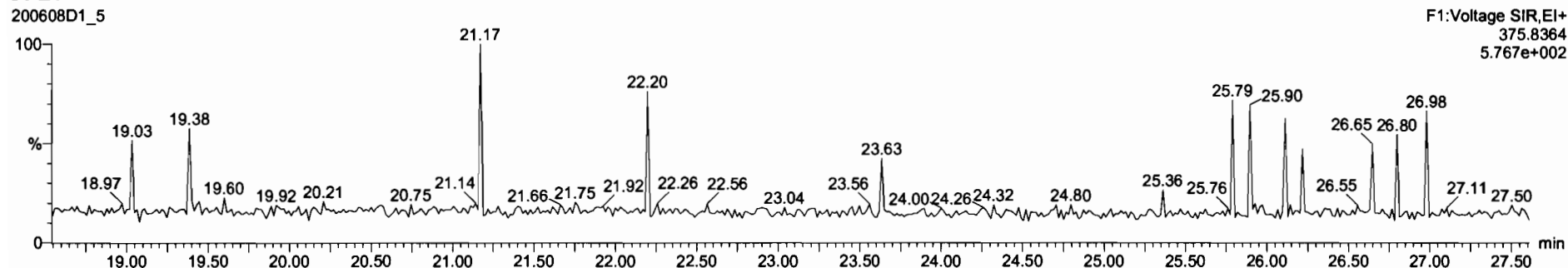
2,3,7,8-TCDF

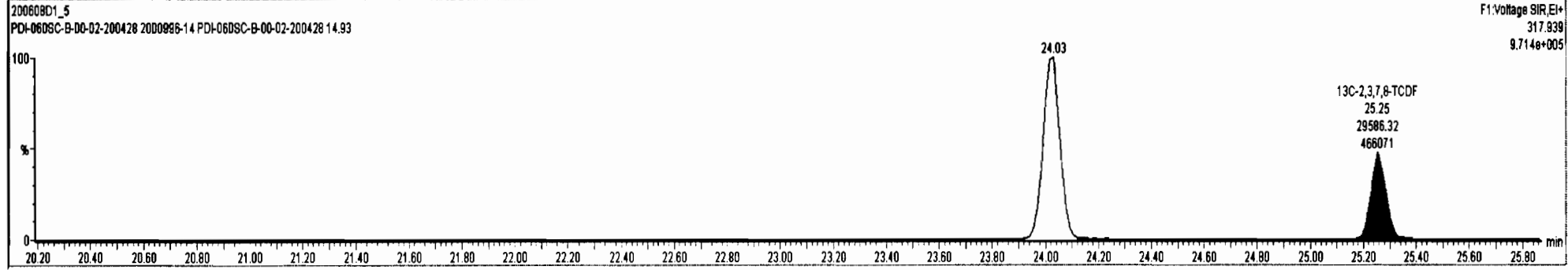
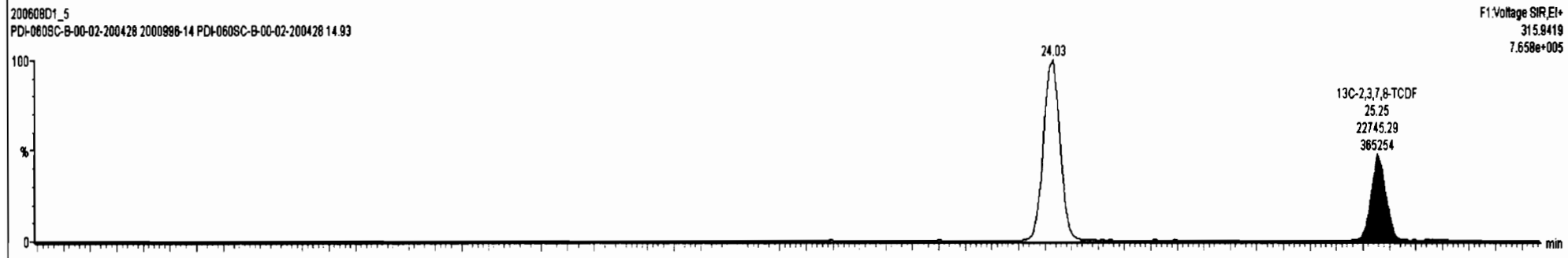
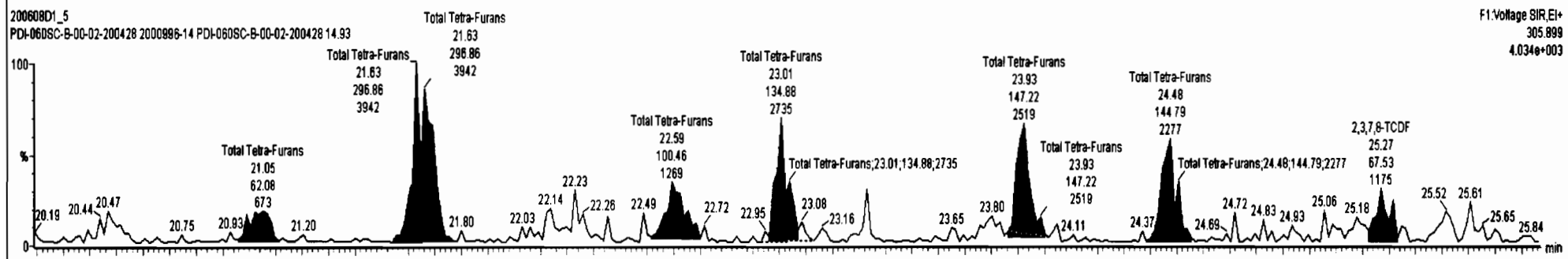
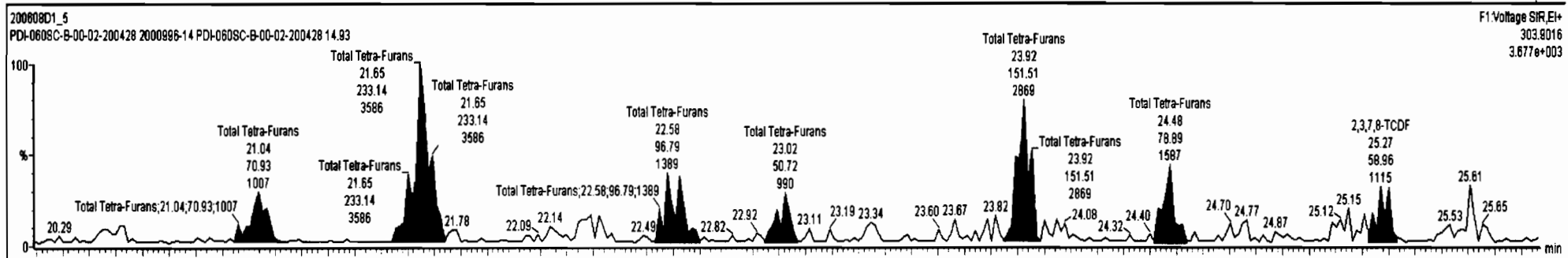


13C-2,3,7,8-TCDF



DPE1





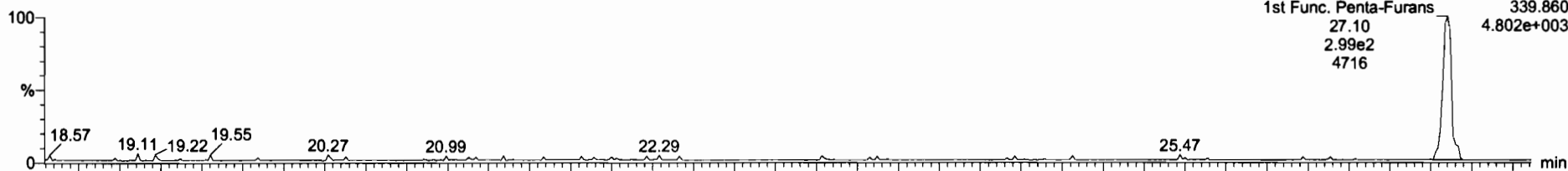
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Last Altered: Monday, June 08, 2020 16:52:57 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:28:54 Pacific Daylight Time

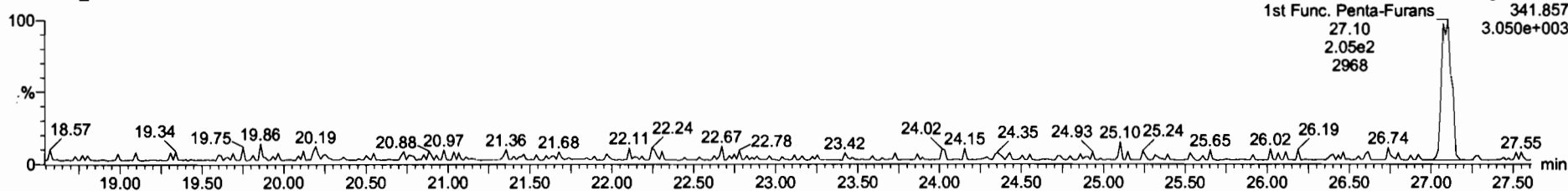
Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

1st Func. Penta-Furans

200608D1_5

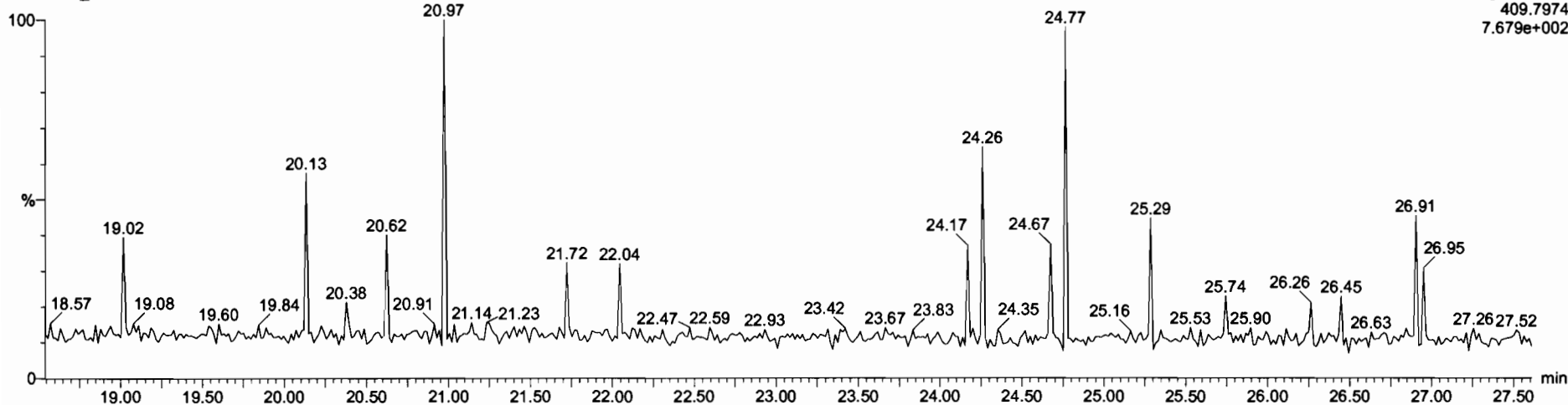


200608D1_5



DPE6

200608D1_5

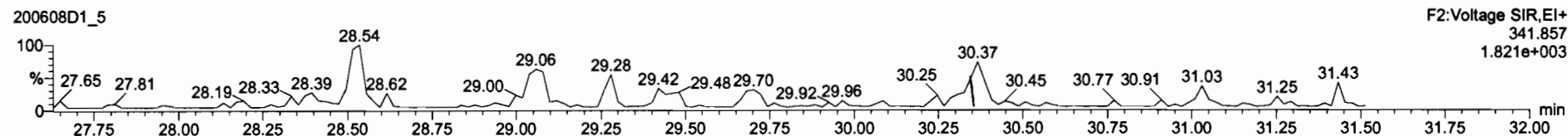
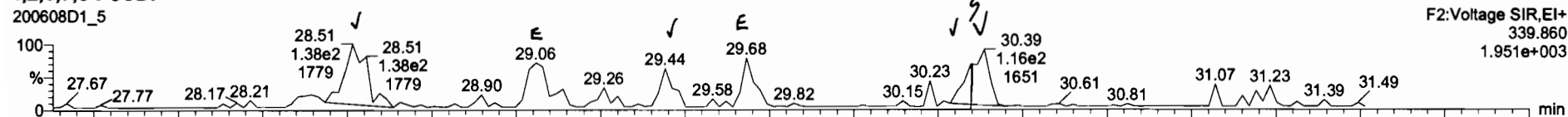


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

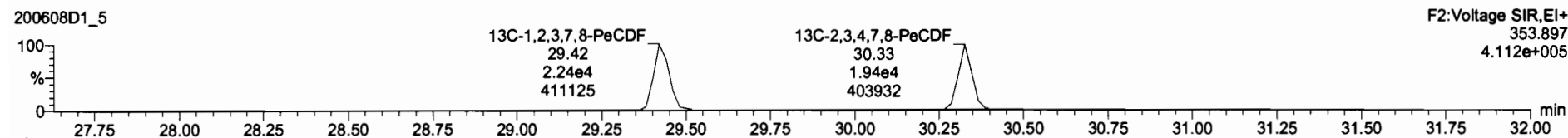
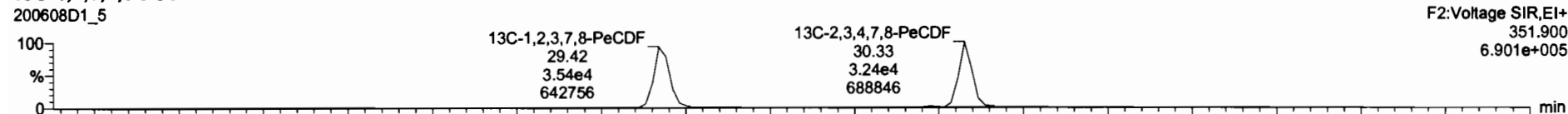
Last Altered: Monday, June 08, 2020 16:52:57 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:28:54 Pacific Daylight Time

Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

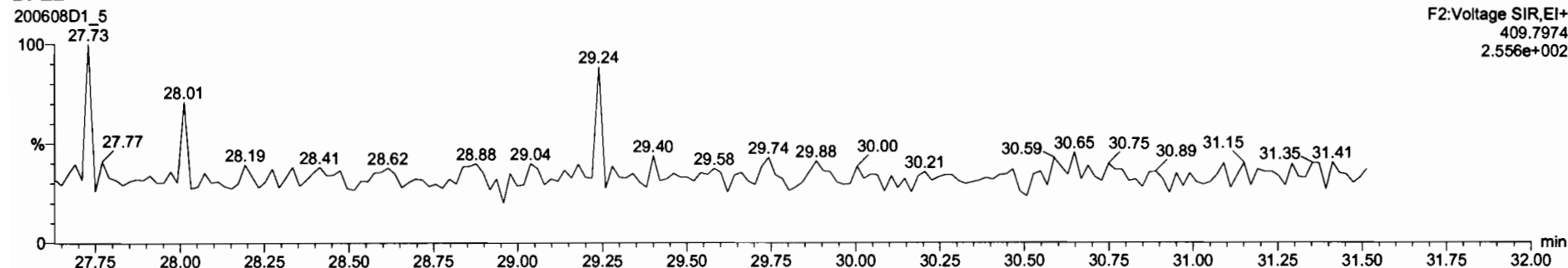
1,2,3,7,8-PeCDF

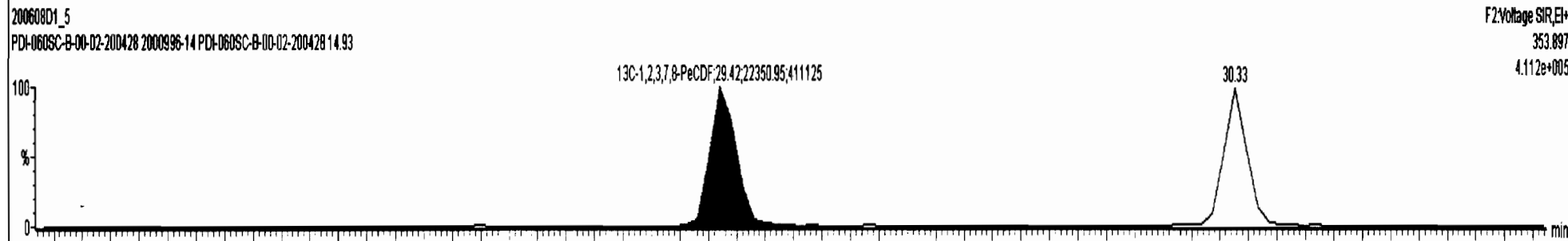
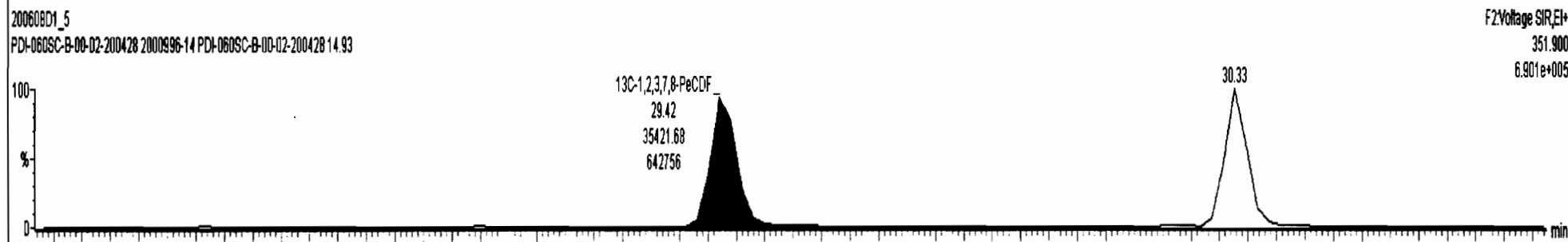
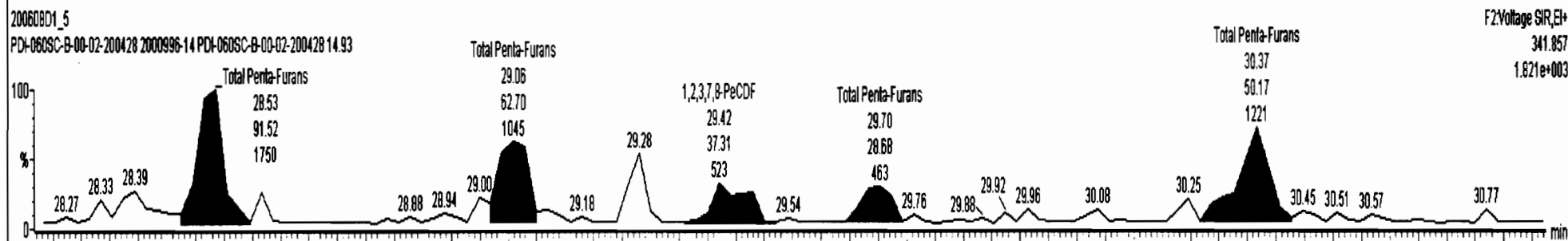
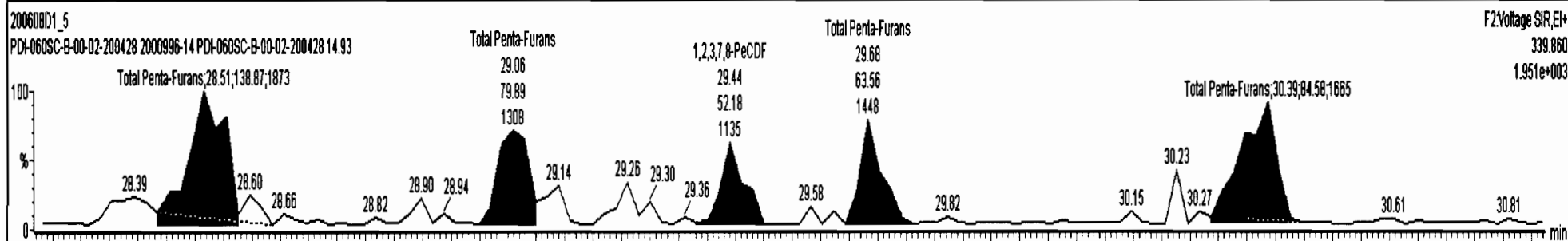
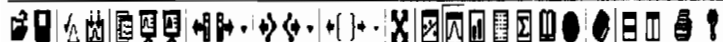


13C-1,2,3,7,8-PeCDF



DPE2





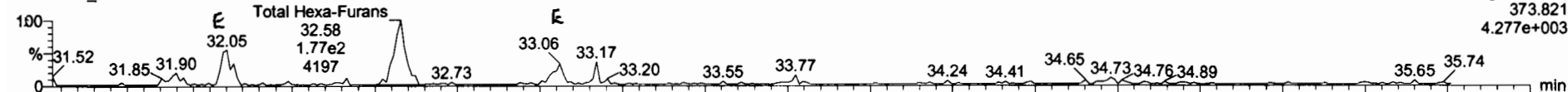
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

Last Altered: Monday, June 08, 2020 16:52:57 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:28:54 Pacific Daylight Time

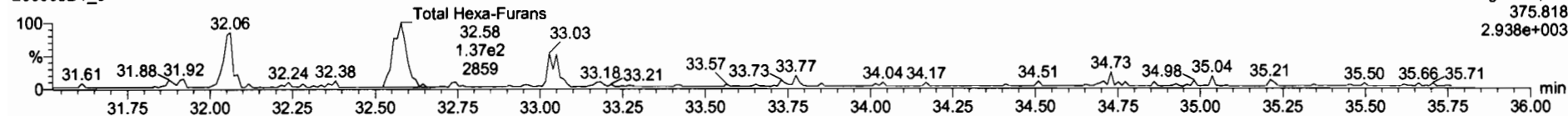
Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

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

200608D1_5

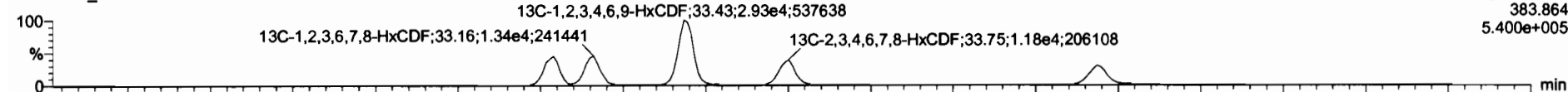


200608D1_5

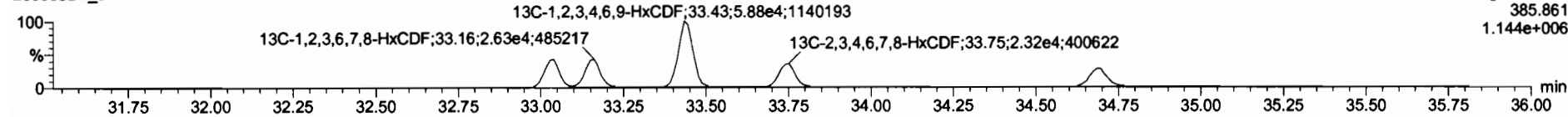


13C-1,2,3,4,7,8-HxCDF

200608D1_5

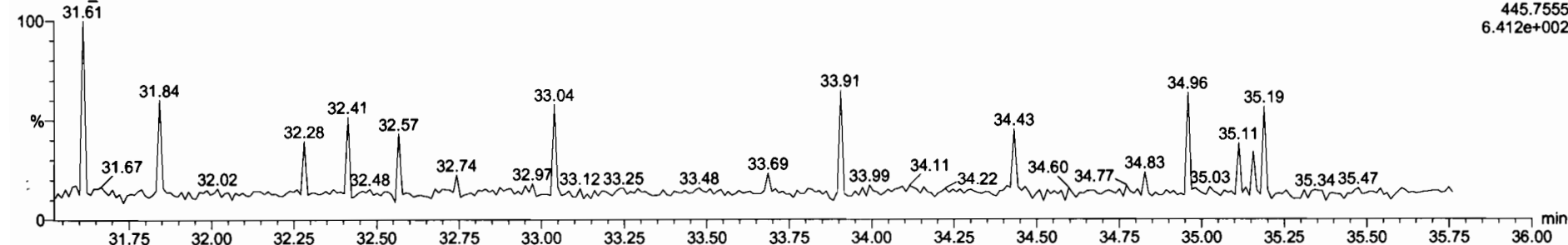


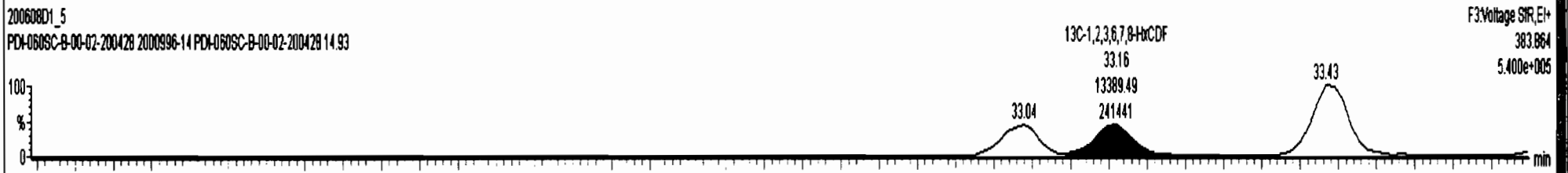
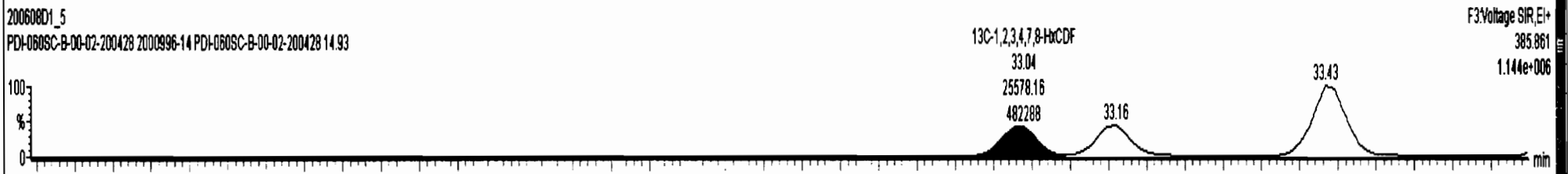
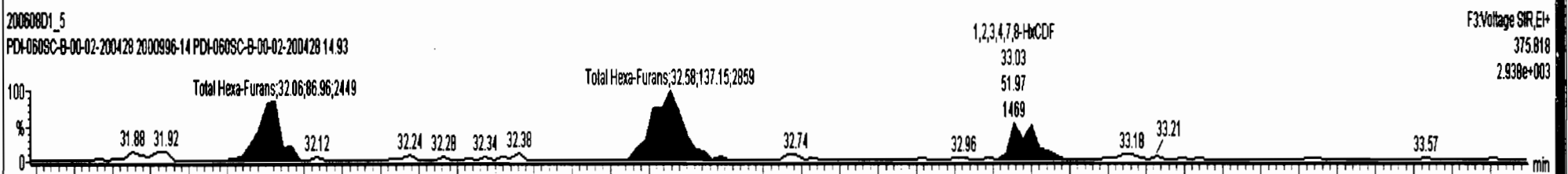
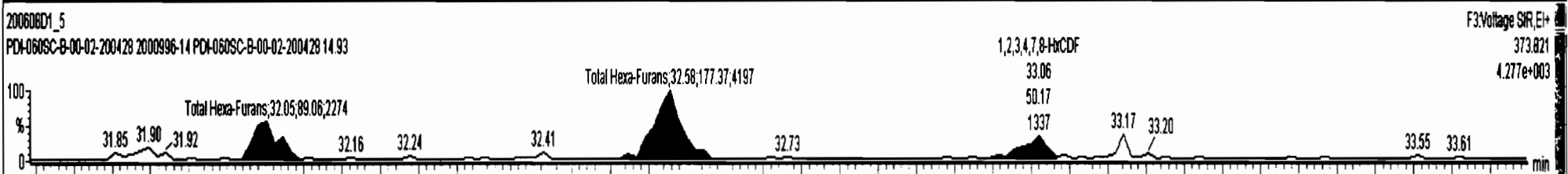
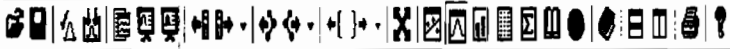
200608D1_5



DPE3

200608D1_5





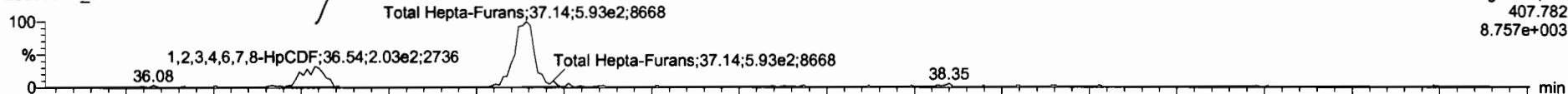
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

Last Altered: Monday, June 08, 2020 16:52:57 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:28:54 Pacific Daylight Time

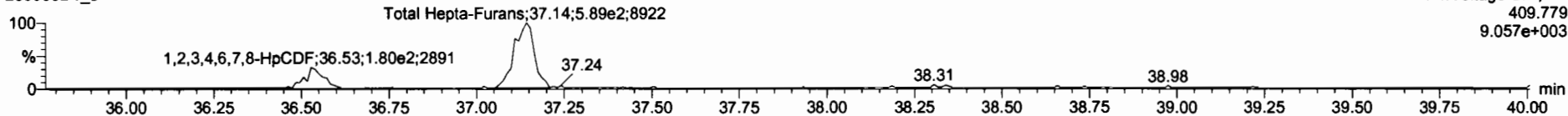
Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

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

200608D1_5

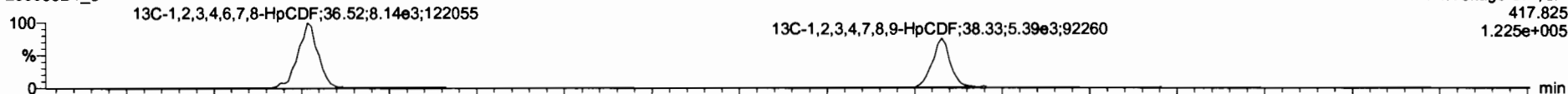


200608D1_5

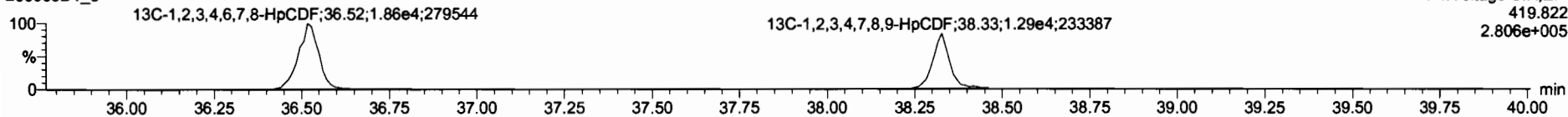


13C-1,2,3,4,6,7,8-HpCDF

200608D1_5

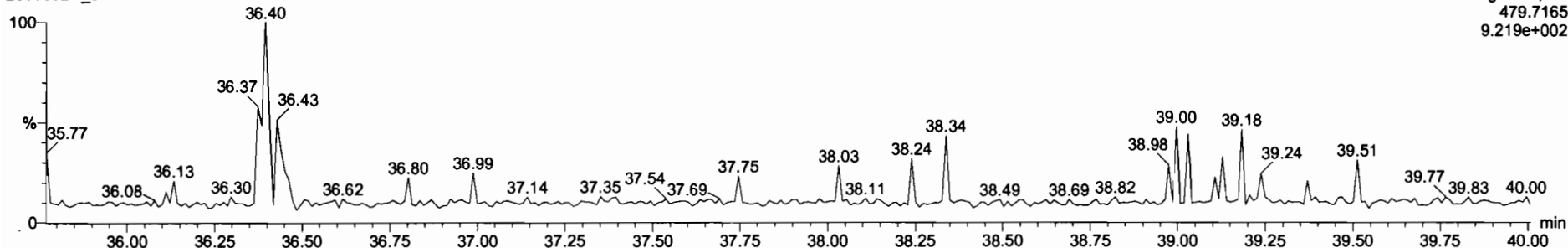


200608D1_5



DPE4

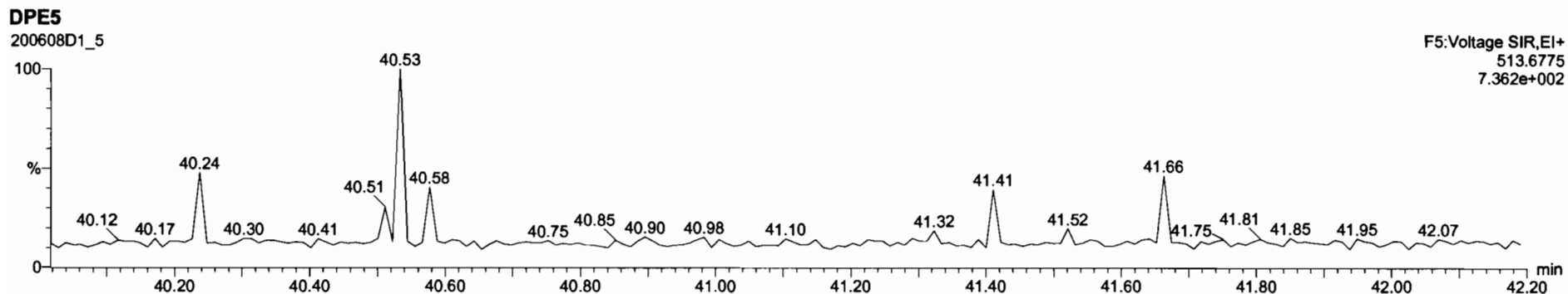
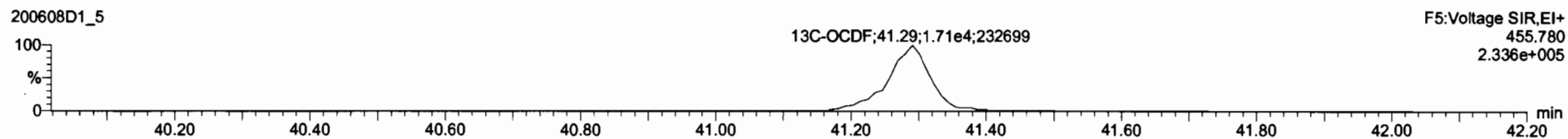
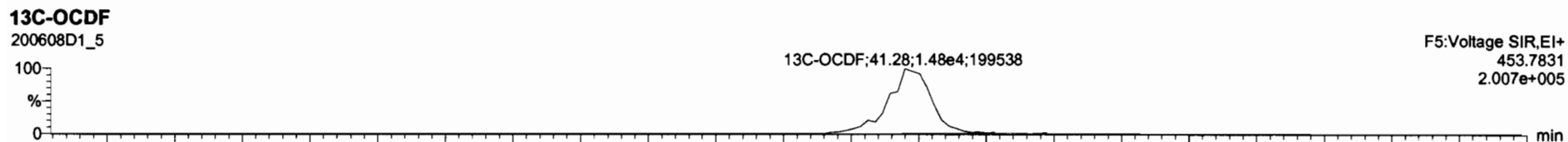
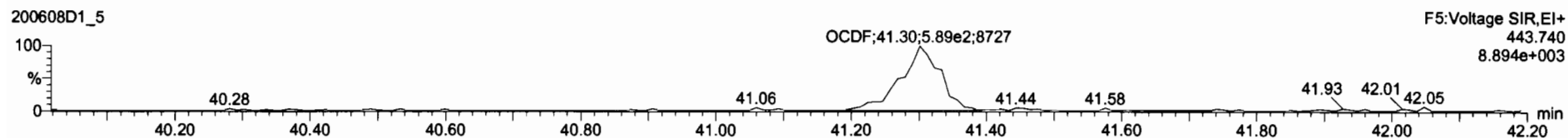
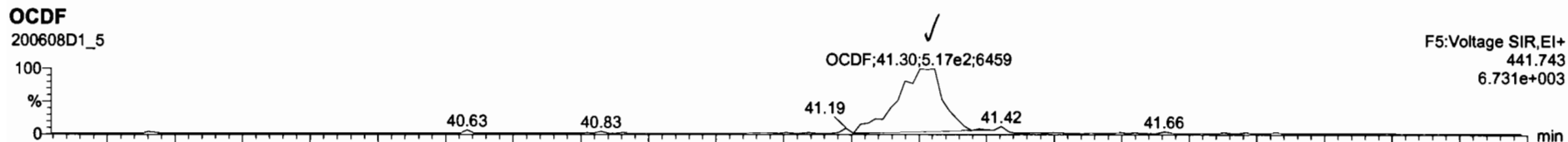
200608D1_5

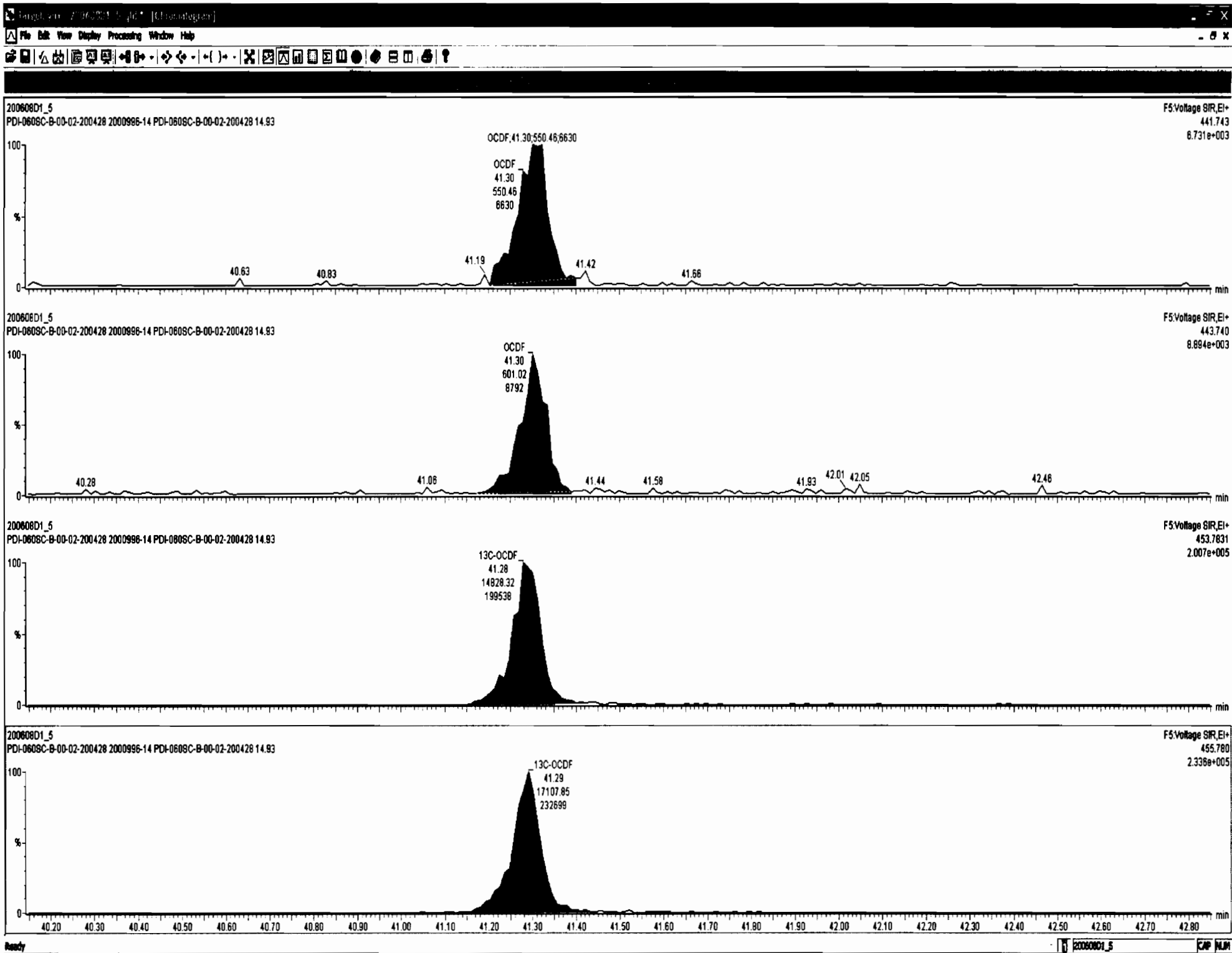


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

Last Altered: Monday, June 08, 2020 16:52:57 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:28:54 Pacific Daylight Time

Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

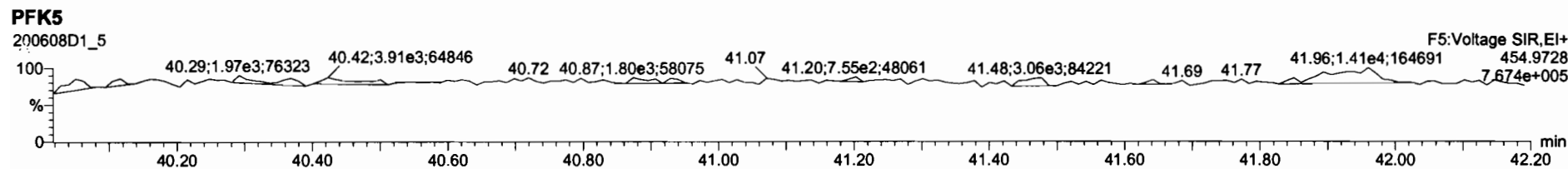
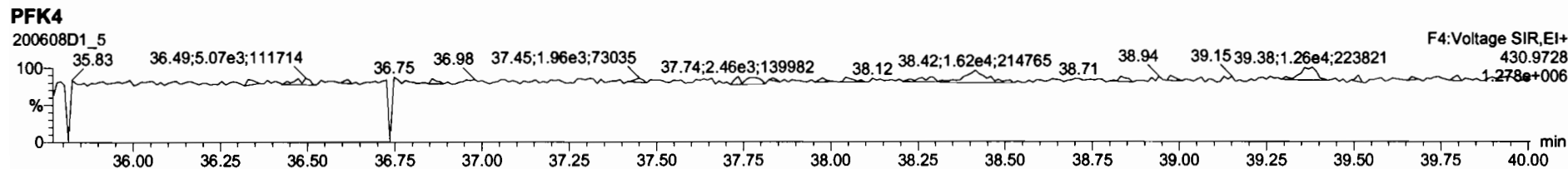
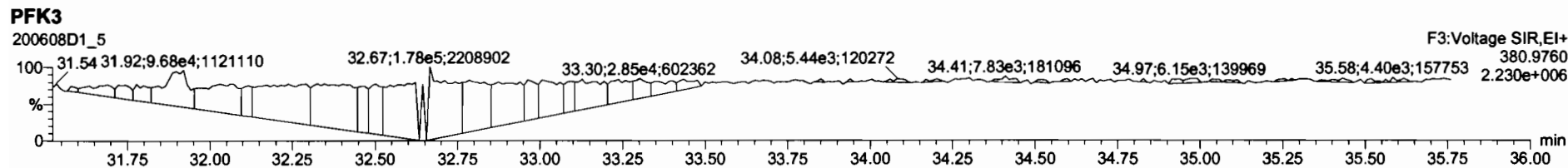
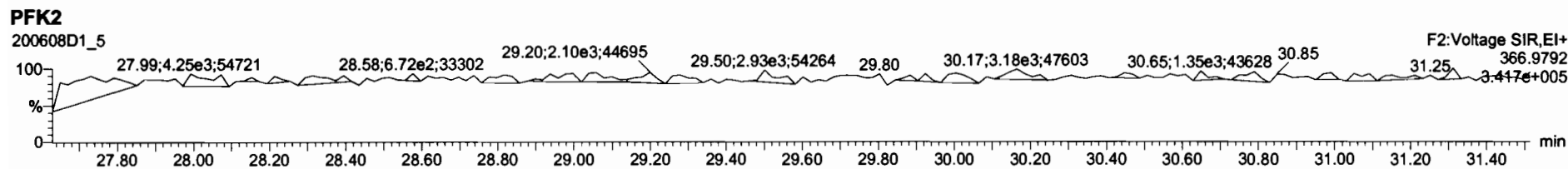
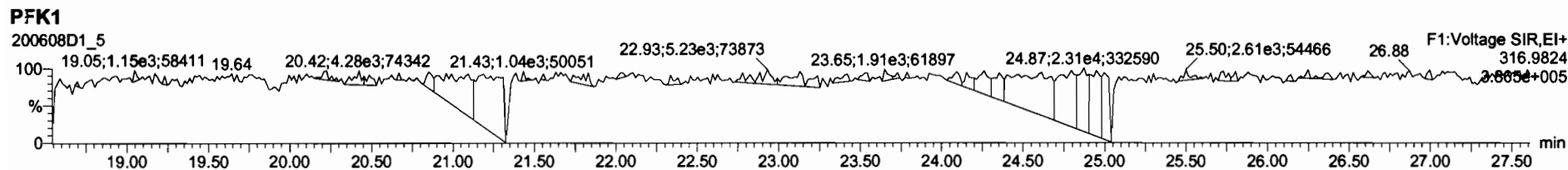




Dataset: U:\VG7.PRO\Results\200608D1\200608D1_5.qld

Last Altered: Monday, June 08, 2020 16:52:57 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 11:28:54 Pacific Daylight Time

Name: 200608D1_5, Date: 08-Jun-2020, Time: 16:00:50, ID: 2000996-14 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_6.qld

Last Altered: Tuesday, June 09, 2020 12:48:50 Pacific Daylight Time
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DB 6/9/20

CT 07/09/2020

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

Name: 200608D1_6, Date: 08-Jun-2020, Time: 16:45:58, ID: 2000996-15 PDI-060SC-B-02-04-200428 16.53, Description: PDI-060SC-B-02-04-200428

Peak	RA	My	RRF	WtVol	Prod RT	RRF	RRF	RRF	RRF	RRF	RRF	RRF	RRF	
1 2,3,7,8-TCDD		NO	0.987	10.034	26.097		1.001						0.297	
2 1,2,3,7,8-PeCDD		NO	0.982	10.034	30.629		1.001						0.225	
3 1,2,3,4,7,8-HxCDD		NO	1.17	10.034	33.938		1.000						0.366	
4 1,2,3,6,7,8-HxCDD		NO	1.04	10.034	34.027		1.000						0.368	
5 1,2,3,7,8,9-HxCDD		NO	1.00	10.034	34.357		1.001						0.418	
6 1,2,3,4,6,7,8-HpCDD	2.59e2	0.94	NO	0.992	10.034	37.801	37.81	1.000	1.001	1.9583			0.417	1.96
7 OCDD	1.04e3	0.87	NO	1.04	10.034	41.049	41.06	1.000	1.000	10.266			0.472	10.3
8 2,3,7,8-TCDF	7.65e1	1.06	YES	0.882	10.034	25.296	25.29	1.001	1.001	0.23997			0.382	0.215
9 1,2,3,7,8-PeCDF		NO	1.05	10.034	29.462		1.001						0.171	
10 2,3,4,7,8-PeCDF		NO	1.06	10.034	30.356		1.001						0.158	
11 1,2,3,4,7,8-HxCDF		NO	1.08	10.034	33.039		1.000						0.149	
12 1,2,3,6,7,8-HxCDF		NO	1.04	10.034	33.170		1.000						0.148	
13 2,3,4,6,7,8-HxCDF		NO	1.11	10.034	33.786		1.001						0.170	
14 1,2,3,7,8,9-HxCDF		NO	1.06	10.034	34.685		1.000						0.225	
15 1,2,3,4,6,7,8-HpCDF	5.07e1	1.33	YES	1.13	10.034	36.555	36.53	1.001	1.000	0.23920			0.108	0.209
16 1,2,3,4,7,8,9-HpCDF		NO	1.33	10.034	38.328		1.000						0.225	
17 OCDF		NO	0.933	10.034	41.269		1.000						0.372	
18 13C-2,3,7,8-TCDD	5.06e4	0.77	NO	1.21	10.034	26.163	26.07	1.026	1.022	106.85	53.6		0.524	
19 13C-1,2,3,7,8-PeCDD	4.76e4	0.60	NO	0.996	10.034	30.651	30.61	1.202	1.200	121.81	61.1		0.514	
20 13C-1,2,3,4,7,8-HxCDD	3.31e4	1.25	NO	0.679	10.034	33.913	33.93	1.014	1.014	111.38	55.9		0.500	
21 13C-1,2,3,6,7,8-HxCDD	3.75e4	1.35	NO	0.850	10.034	34.024	34.03	1.017	1.017	100.77	50.6		0.400	
22 13C-1,2,3,7,8,9-HxCDD	3.53e4	1.31	NO	0.798	10.034	34.295	34.32	1.025	1.026	100.70	50.5		0.425	
23 13C-1,2,3,4,6,7,8-HpCDD	2.66e4	1.08	NO	0.697	10.034	37.759	37.79	1.129	1.130	87.147	43.7		0.844	
24 13C-OCDD	3.90e4	0.91	NO	0.579	10.034	40.783	41.05	1.219	1.227	153.41	38.5		0.758	
25 13C-2,3,7,8-TCDF	6.91e4	0.74	NO	1.13	10.034	25.245	25.27	0.990	0.991	102.08	51.2		0.641	
26 13C-1,2,3,7,8-PeCDF	6.68e4	1.61	NO	0.996	10.034	29.470	29.44	1.156	1.155	111.56	56.0		0.714	
27 13C-2,3,4,7,8-PeCDF	6.54e4	1.64	NO	0.969	10.034	30.370	30.33	1.191	1.189	112.35	56.4		0.734	
28 13C-1,2,3,4,7,8-HxCDF	4.83e4	0.49	NO	1.06	10.034	33.044	33.04	0.988	0.988	104.11	52.2		0.863	
29 13C-1,2,3,6,7,8-HxCDF	5.09e4	0.50	NO	1.18	10.034	33.177	33.16	0.992	0.991	98.683	49.5		0.776	
30 13C-2,3,4,6,7,8-HxCDF	4.39e4	0.51	NO	1.06	10.034	33.749	33.75	1.009	1.009	94.650	47.5		0.863	
31 13C-1,2,3,7,8,9-HxCDF	3.82e4	0.51	NO	0.879	10.034	34.649	34.69	1.036	1.037	99.117	49.7		1.04	

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_6.qld

Last Altered: Tuesday, June 09, 2020 12:48:50 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 12:52:51 Pacific Daylight Time

Name: 200608D1_6, Date: 08-Jun-2020, Time: 16:45:58, ID: 2000996-15 PDI-060SC-B-02-04-200428 16.53, Description: PDI-060SC-B-02-04-200428

#	Name	Resp	RA	n/y	RRF	w/wot	Pre	RT	RR					
32	13C-1,2,3,4,6,7,8-HpCDF	3.75e4	0.43	NO	0.893	10.034	36.355	36.52	1.087	1.092	95.747	48.0	0.976	
33	13C-1,2,3,4,7,8,9-HpCDF	2.66e4	0.44	NO	0.613	10.034	38.361	38.33	1.147	1.146	98.831	49.6	1.42	
34	13C-OCDF	4.67e4	0.91	NO	0.741	10.034	40.937	41.27	1.224	1.234	143.78	36.1	0.368	
35	37Cl-2,3,7,8-TCDD	1.92e4			1.18	10.034	26.160	26.08	1.026	1.023	41.411	51.9	0.114	
36	13C-1,2,3,4-TCDD	7.83e4	0.79	NO	1.00	10.034	25.480	25.50	1.000	1.000	199.33	100	0.632	
37	13C-1,2,3,4-TCDF	1.20e5	0.77	NO	1.00	10.034	24.020	24.03	1.000	1.000	199.33	100	0.722	
38	13C-1,2,3,4,6,9-HxCDF	8.74e4	0.48	NO	1.00	10.034	33.530	33.44	1.000	1.000	199.33	100	0.913	
39	Total Tetra-Dioxins				0.987	10.034	24.620		0.000				0.164	
40	Total Penta-Dioxins				0.982	10.034	29.960		0.000		0.25580		0.0750	0.465
41	Total Hexa-Dioxins				1.04	10.034	33.635		0.000		1.0208		0.200	1.02
42	Total Hepta-Dioxins				0.992	10.034	37.640		0.000		4.4622		0.417	4.46
43	Total Tetra-Furans				0.882	10.034	23.610		0.000		0.00000		0.186	1.28
44	1st Func. Penta-Furans				1.05	10.034	27.090		0.000				0.0193	
45	Total Penta-Furans				1.05	10.034	29.275		0.000				0.0683	
46	Total Hexa-Furans				1.11	10.034	33.555		0.000				0.0832	
47	Total Hepta-Furans				1.13	10.034	37.835		0.000		0.00000		0.120	0.209

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_6.qld

Last Altered: Tuesday, June 09, 2020 12:48:50 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 12:52:51 Pacific Daylight Time

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

Calibration: U:\VG7.PRO\CurveDB\1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200608D1_6, Date: 08-Jun-2020, Time: 16:45:58, ID: 2000996-15 PDI-060SC-B-02-04-200428 16.53, Description: PDI-060SC-B-02-04-200428

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	By	Resp	Conc	EMPC	DU
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Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	By	Resp	Conc	EMPC	DU
Total Penta-Dioxins	28.56	3.160e2	8.310e2	2.378e1	3.627e1	0.66	NO	6.005e1	0.25580	0.25580	0.0750
Total Penta-Dioxins	29.02	4.690e2	5.780e2	2.394e1	3.009e1	0.80	YES	0.000e0	0.00000	0.20891	0.0750

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	By	Resp	Conc	EMPC	DU
Total Hexa-Dioxins	32.39	1.841e3	1.657e3	1.005e2	8.689e1	1.16	NO	1.874e2	1.0208	1.0208	0.200

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	By	Resp	Conc	EMPC	DU
Total Hepta-Dioxins	36.90	2.581e3	2.864e3	1.686e2	1.632e2	1.03	NO	3.317e2	2.5038	2.5038	0.417
1,2,3,4,6,7,8-HpCDD	37.81	2.252e3	2.581e3	1.255e2	1.340e2	0.94	NO	2.595e2	1.9583	1.9583	0.417

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	By	Resp	Conc	EMPC	DU
Total Tetra-Furans	20.47	6.600e2	7.160e2	2.872e1	4.953e1	0.58	YES	0.000e0	0.00000	0.21581	0.352
Total Tetra-Furans	21.66	9.930e2	1.977e3	8.815e1	1.411e2	0.62	YES	0.000e0	0.00000	0.66246	0.352
Total Tetra-Furans	24.46	5.380e2	8.960e2	2.484e1	3.930e1	0.63	YES	0.000e0	0.00000	0.18666	0.352
2,3,7,8-TCDF	25.29	6.650e2	6.770e2	3.938e1	3.708e1	1.06	YES	7.646e1	0.00000	0.21455	0.352

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_6.qld

Last Altered: Tuesday, June 09, 2020 12:48:50 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 12:52:51 Pacific Daylight Time

Name: 200608D1_6, Date: 08-Jun-2020, Time: 16:45:58, ID: 2000996-15 PDI-060SC-B-02-04-200428 16.53, Description: PDI-060SC-B-02-04-200428

Penta-Furans function 1

RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Y/N

Penta-Furans

RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Y/N

Hexa-Furans

RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Y/N

Hepta-Furans

RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Y/N					
1,2,3,4,6,7,8-HpCDF	36.53	7.250e2	4.730e2	2.896e1	2.178e1	1.33	YES	5.074e1	0.00000	0.20947	0.106

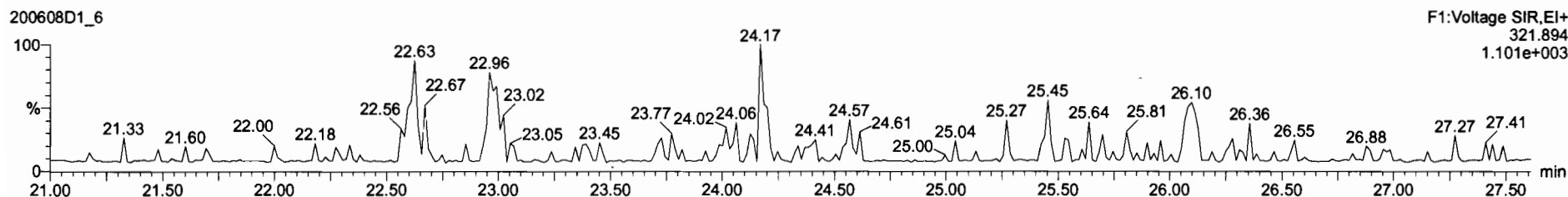
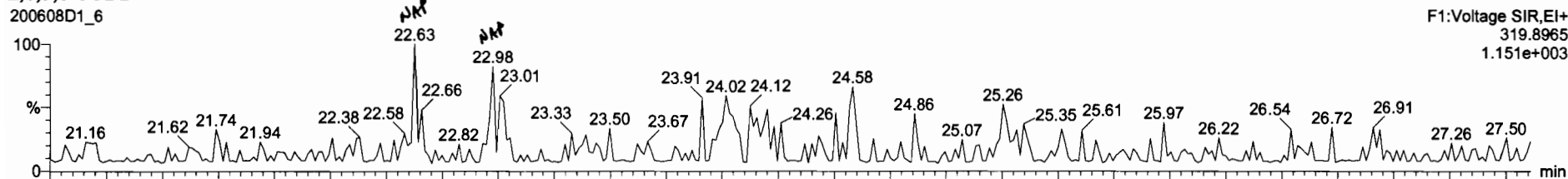
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Printed: Tuesday, June 09, 2020 12:38:22 Pacific Daylight Time

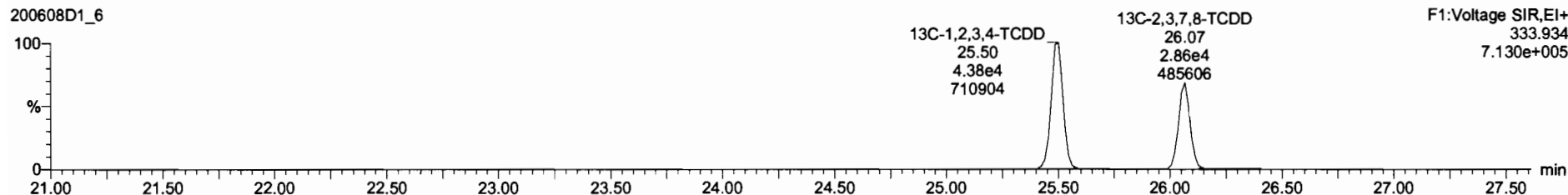
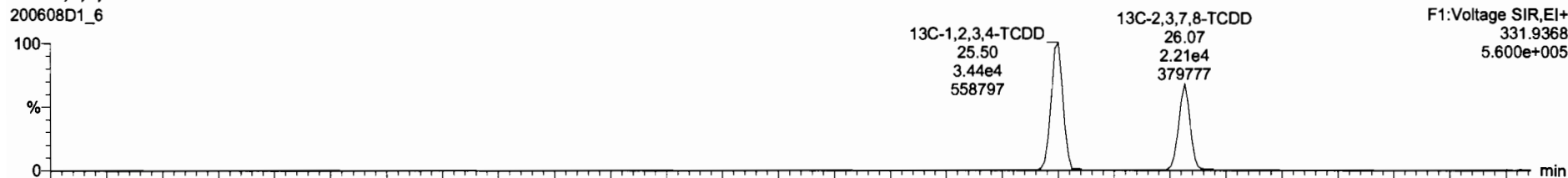
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Name: 200608D1_6, Date: 08-Jun-2020, Time: 16:45:58, ID: 2000996-15 PDI-060SC-B-02-04-200428 16.53, Description: PDI-060SC-B-02-04-200428

2,3,7,8-TCDD



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



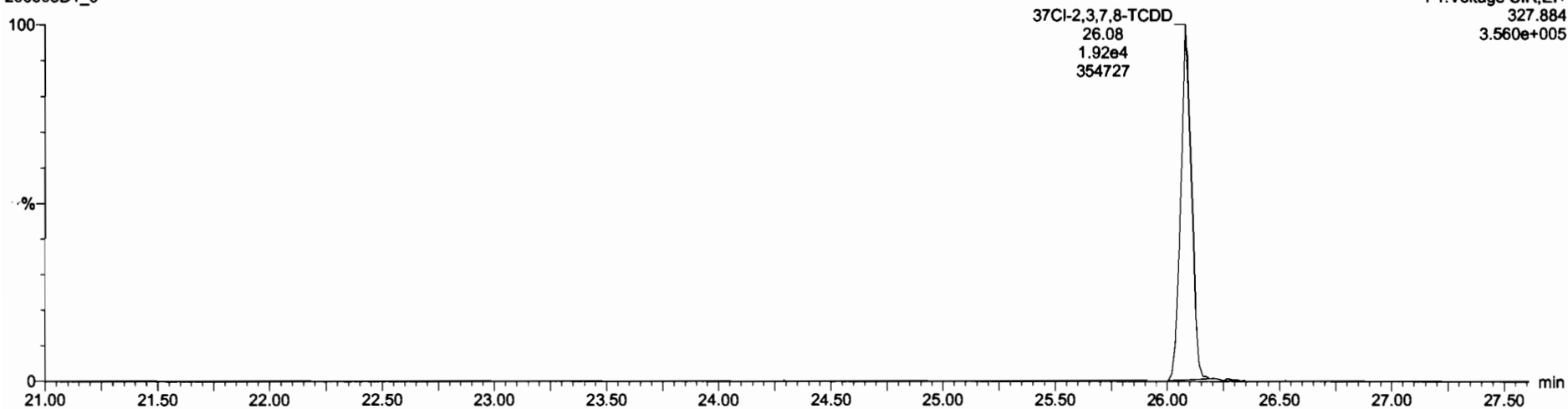
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37Cl-2,3,7,8-TCDD

200608D1_6

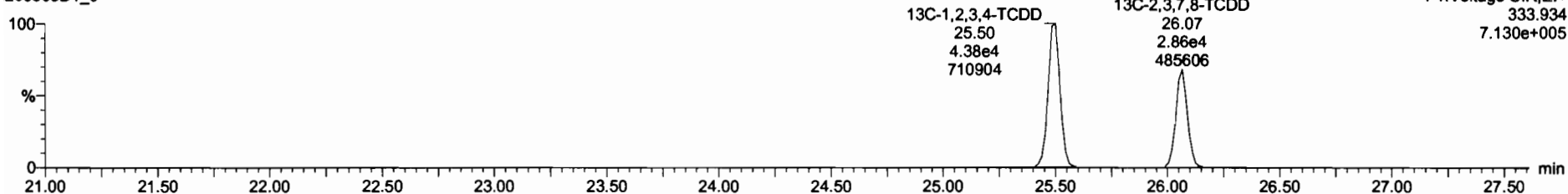


13C-1,2,3,4-TCDD

200608D1_6



200608D1_6



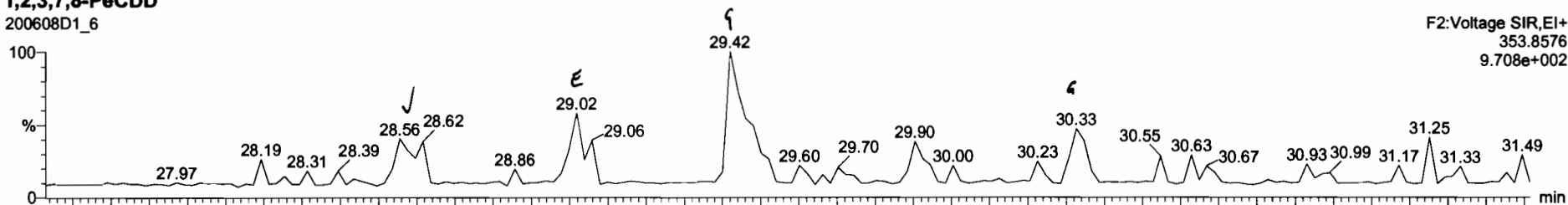
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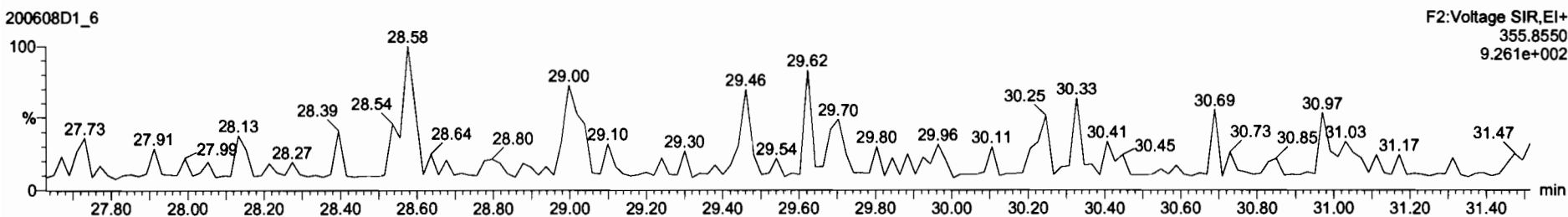
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1,2,3,7,8-PeCDD

200608D1_6



200608D1_6

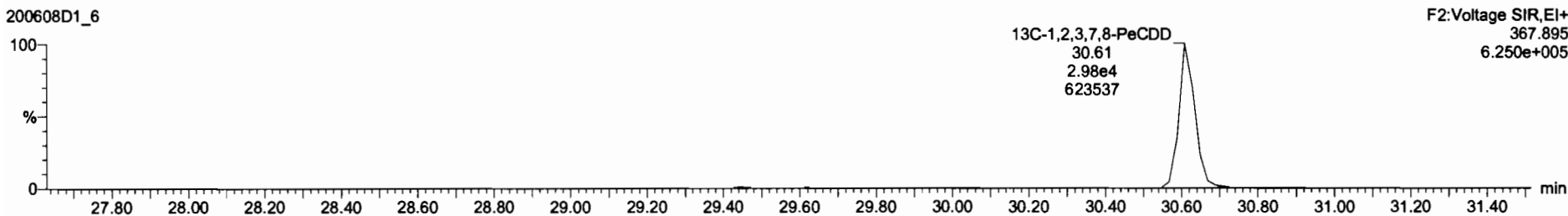


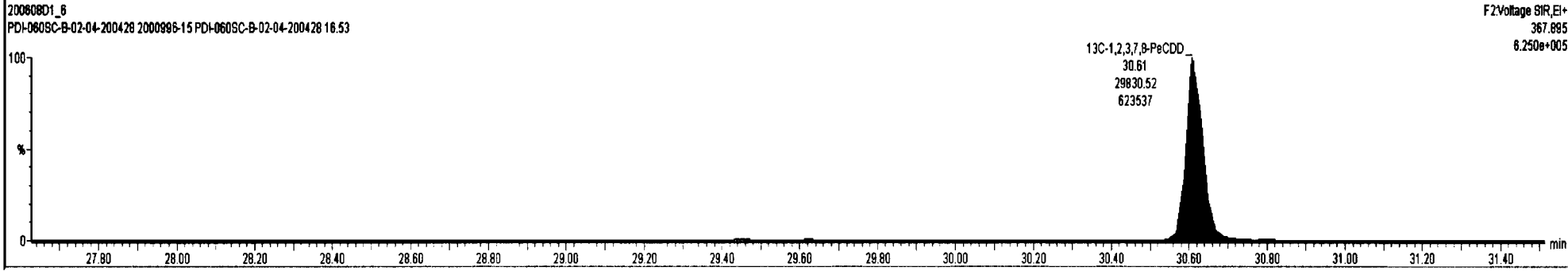
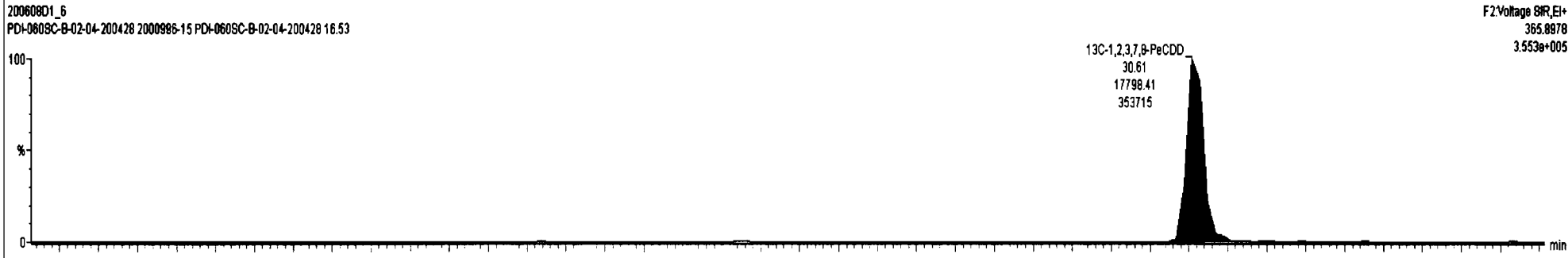
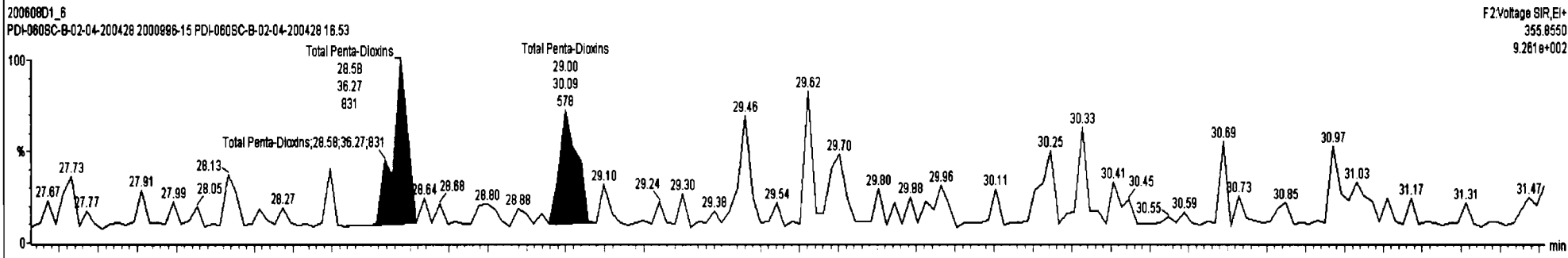
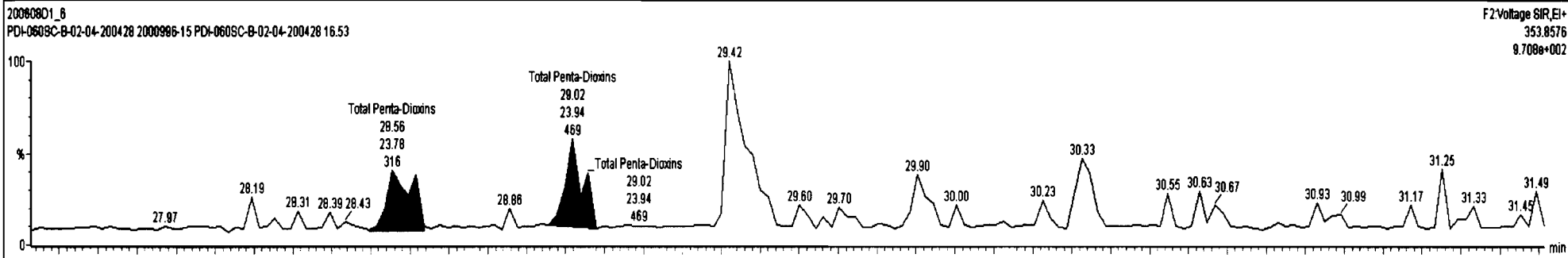
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200608D1_6



200608D1_6





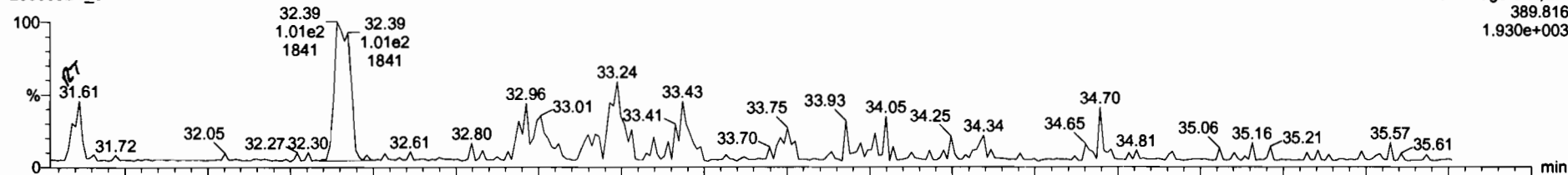
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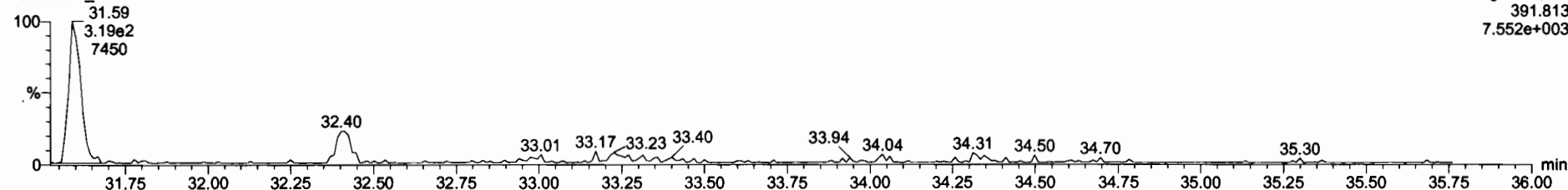
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1,2,3,4,7,8-HxCDD

200608D1_6

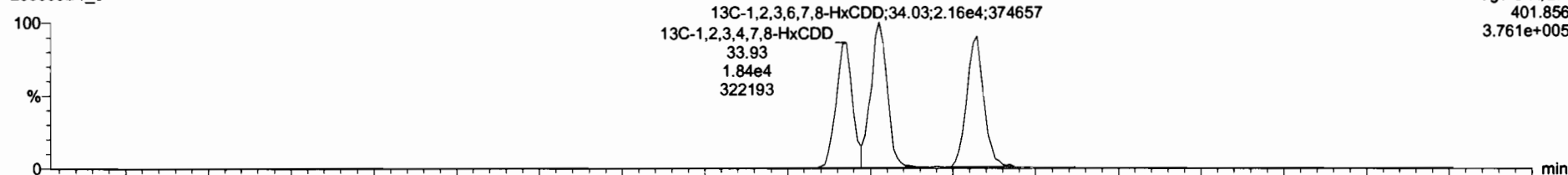


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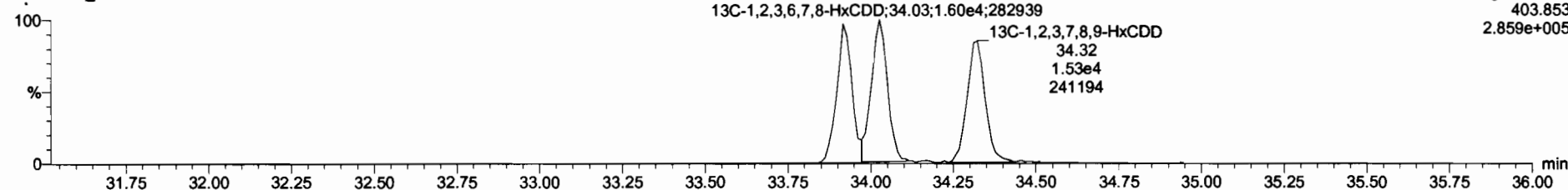


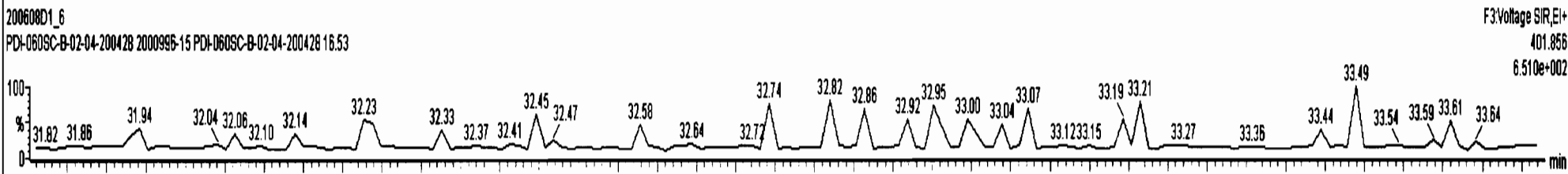
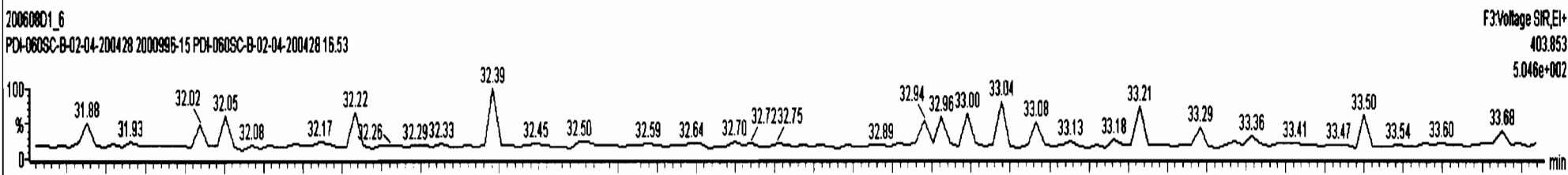
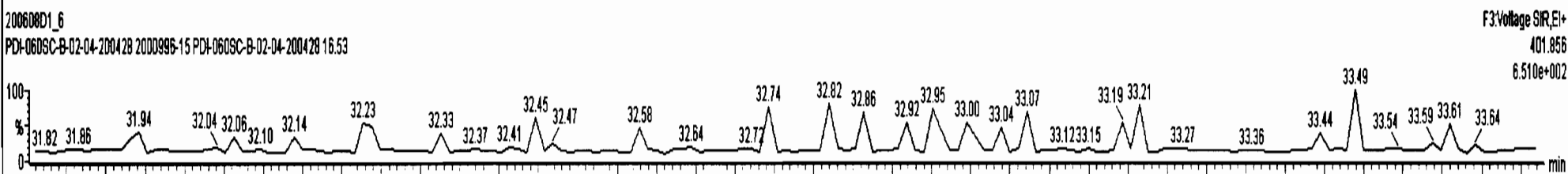
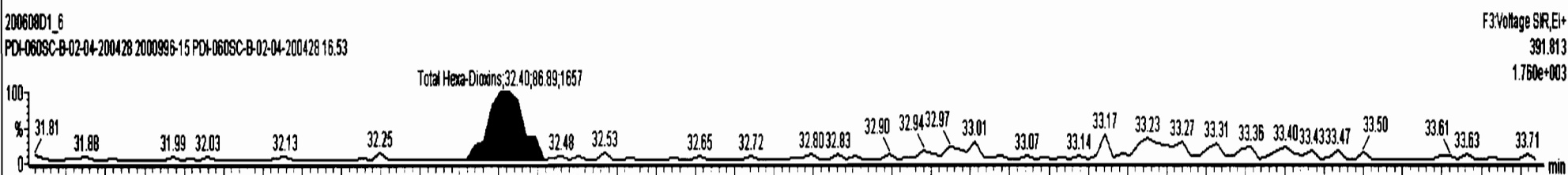
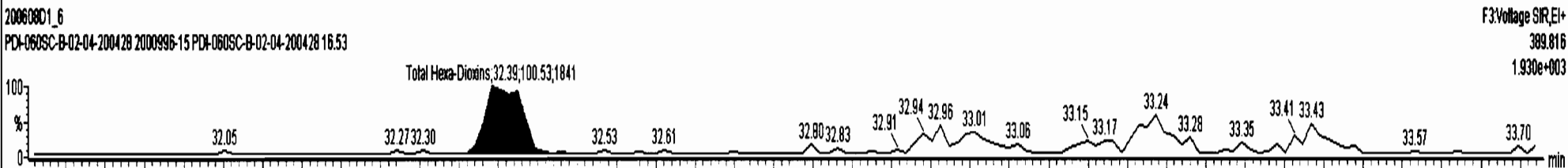
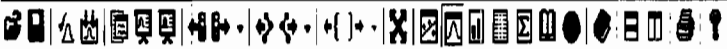
13C-1,2,3,4,7,8-HxCDD

200608D1_6



200608D1_6





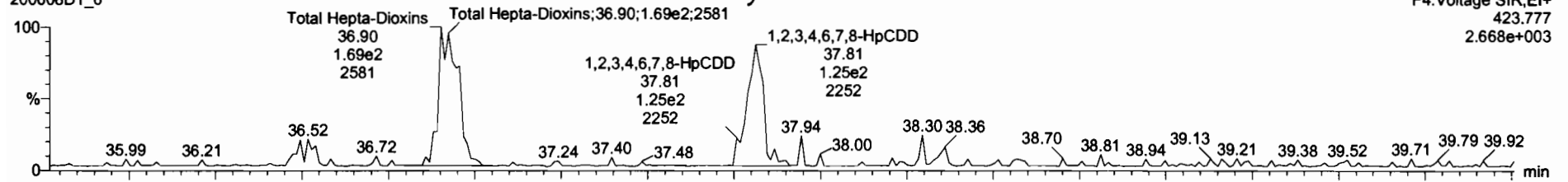
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Printed: Tuesday, June 09, 2020 12:38:22 Pacific Daylight Time

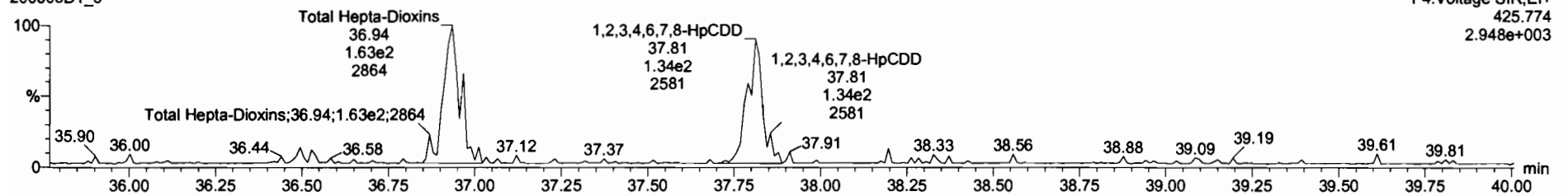
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1,2,3,4,6,7,8-HpCDD

200608D1_6

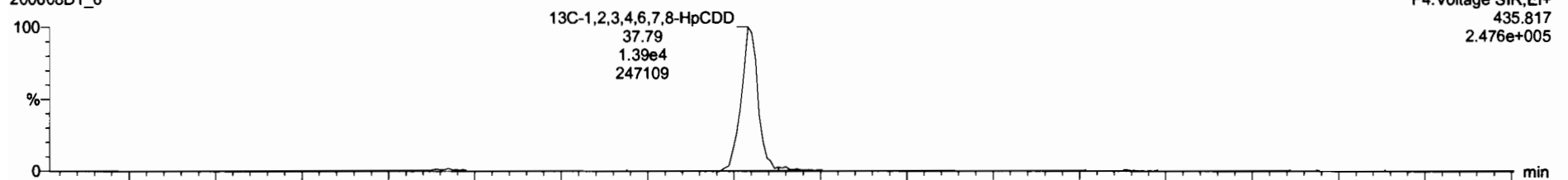


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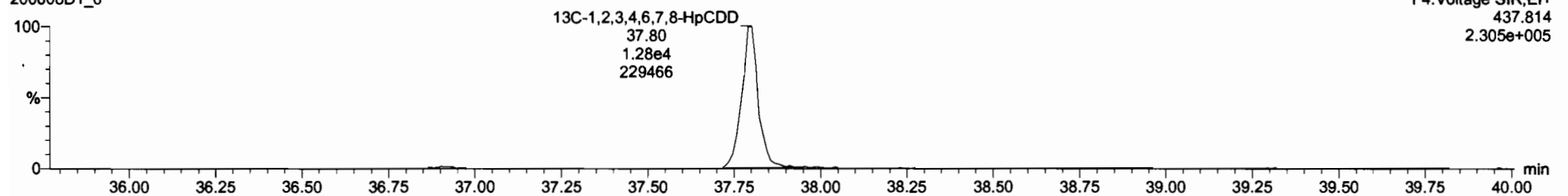


13C-1,2,3,4,6,7,8-HpCDD

200608D1_6



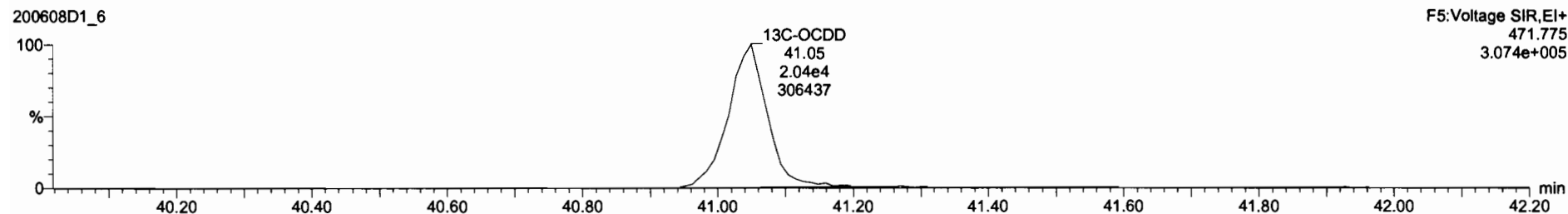
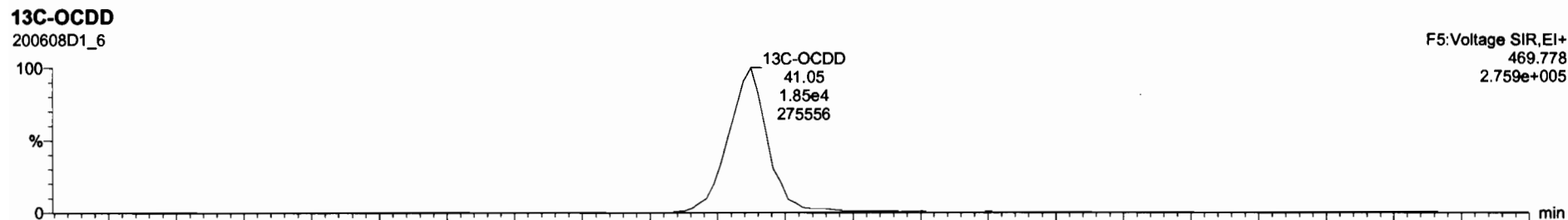
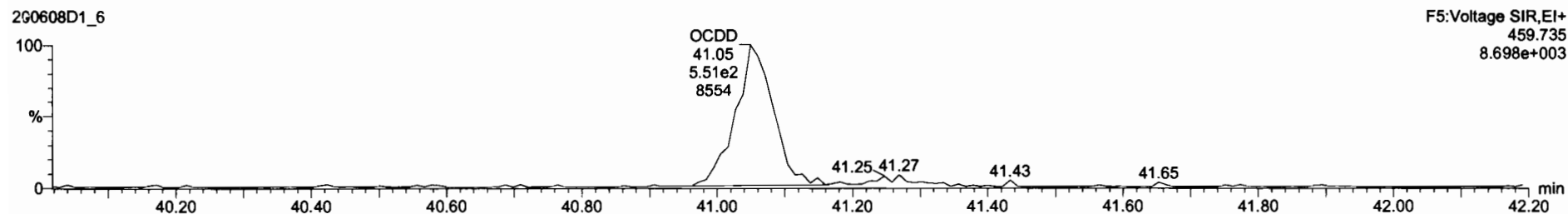
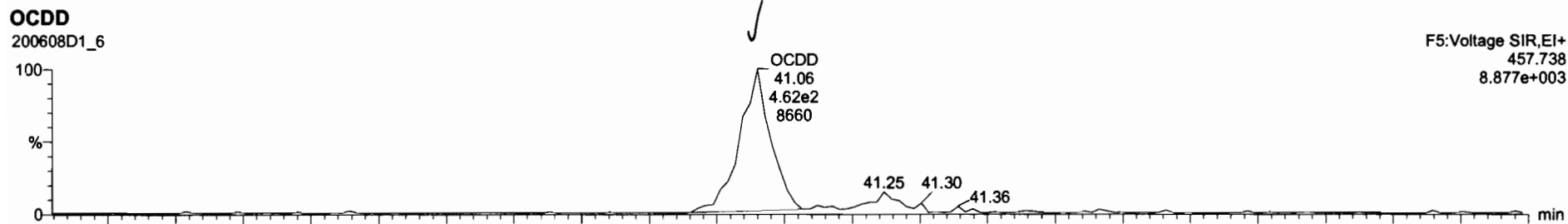
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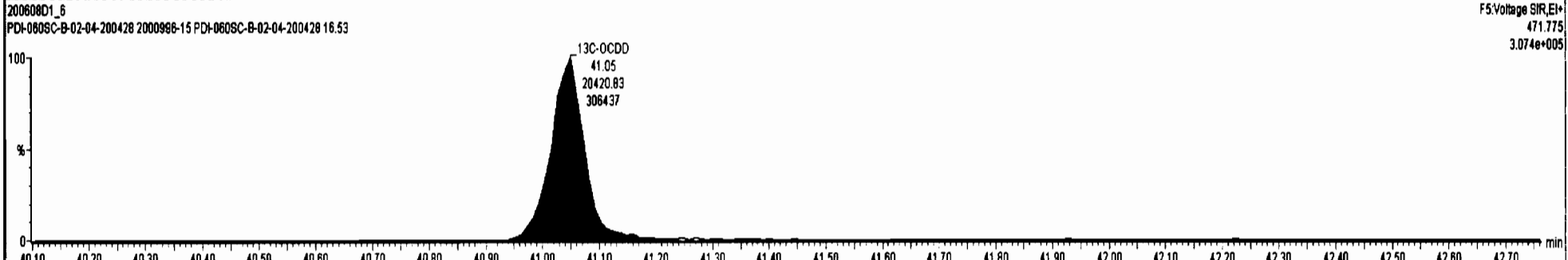
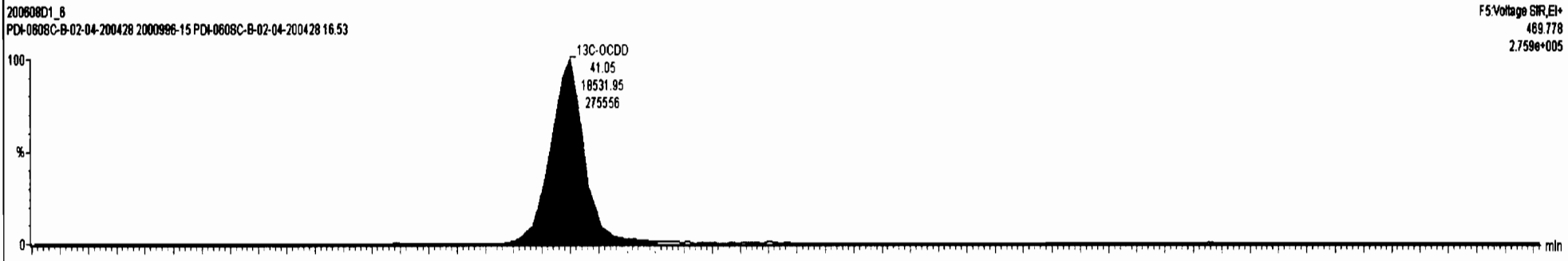
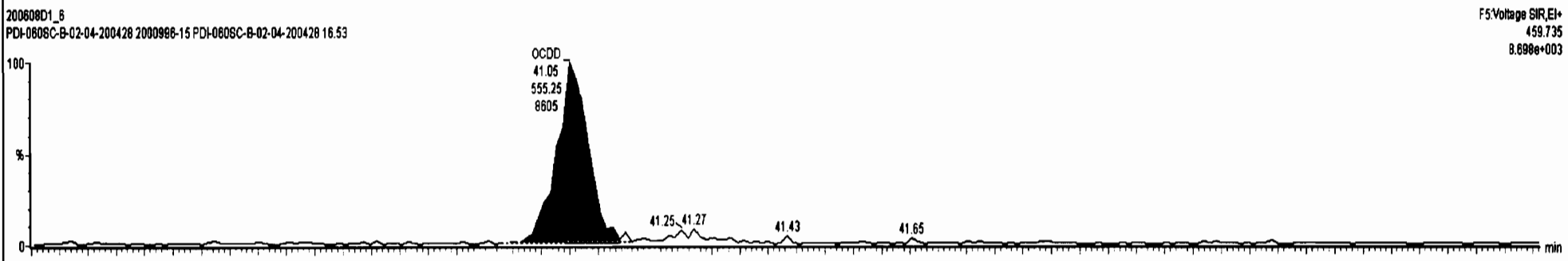
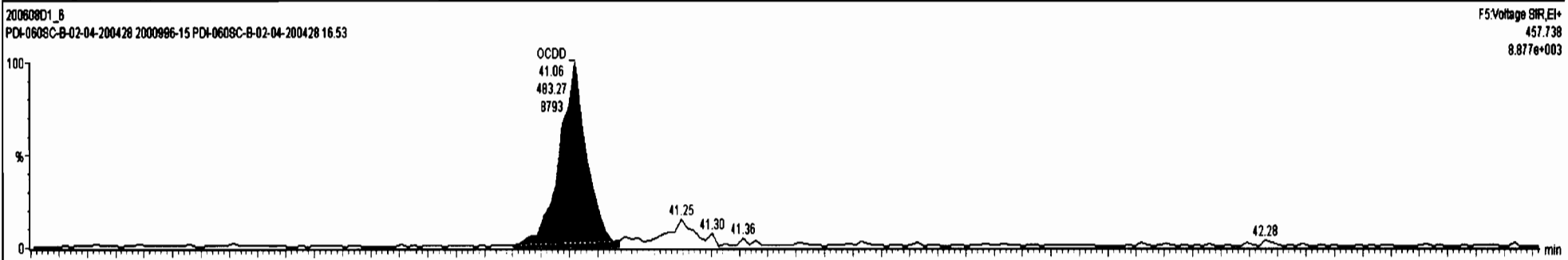


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Printed: Tuesday, June 09, 2020 12:38:22 Pacific Daylight Time

Name: 200608D1_6, Date: 08-Jun-2020, Time: 16:45:58, ID: 2000996-15 PDI-060SC-B-02-04-200428 16.53, Description: PDI-060SC-B-02-04-200428



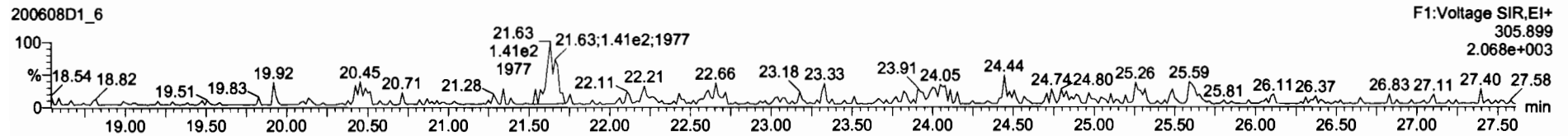
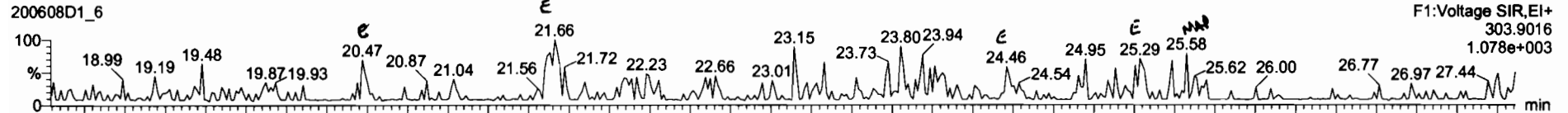


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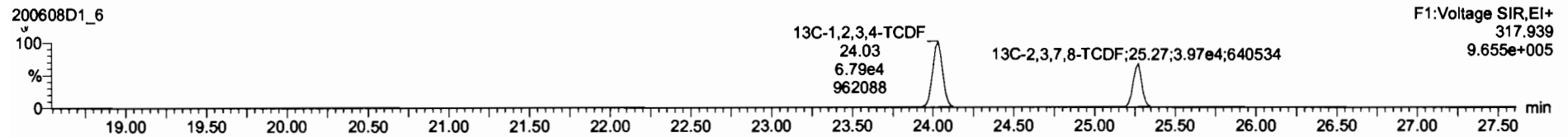
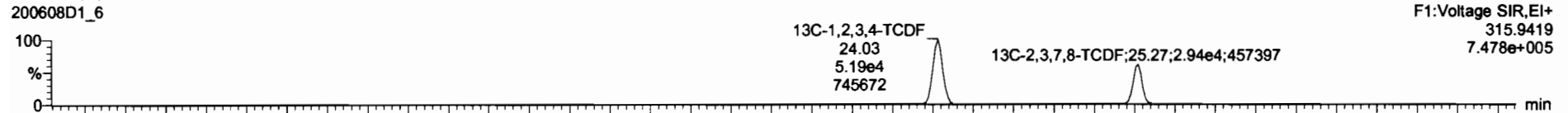
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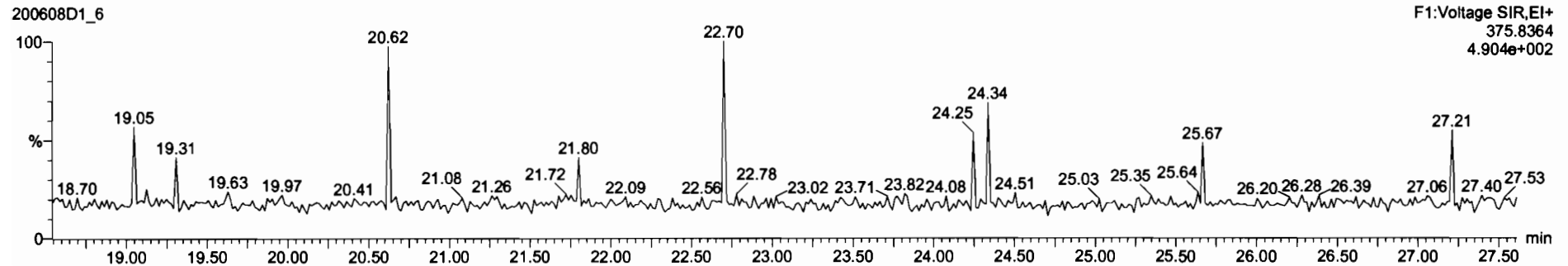
2,3,7,8-TCDF

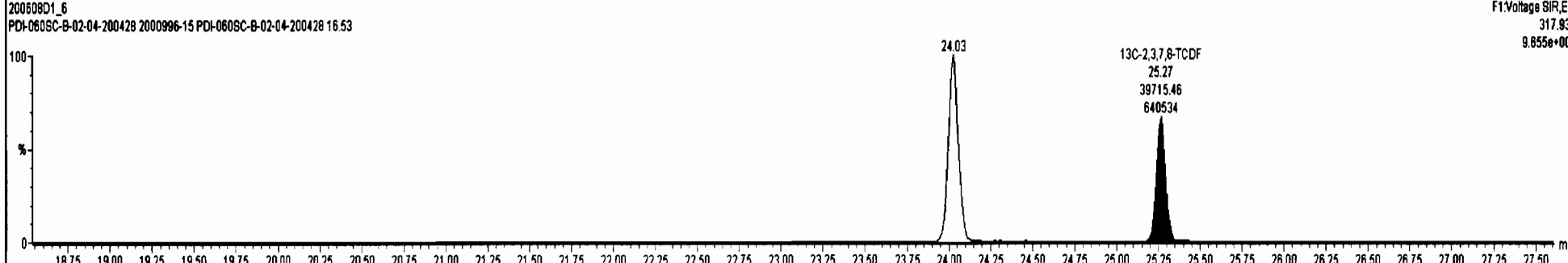
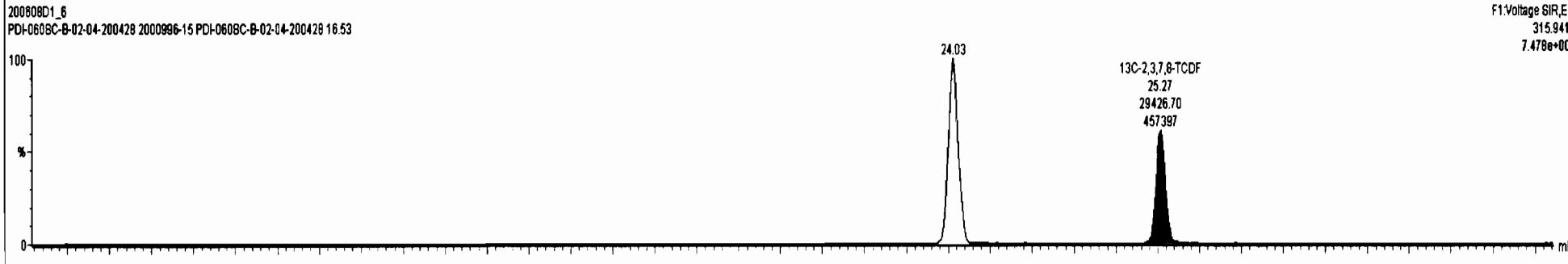
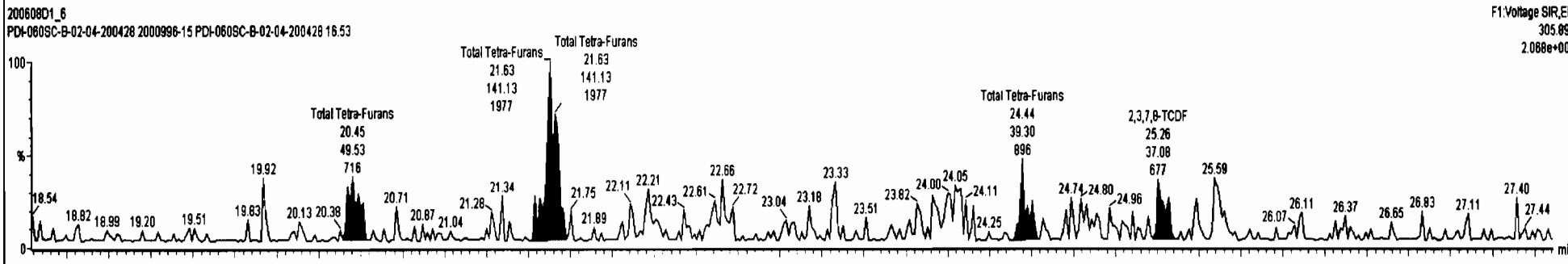
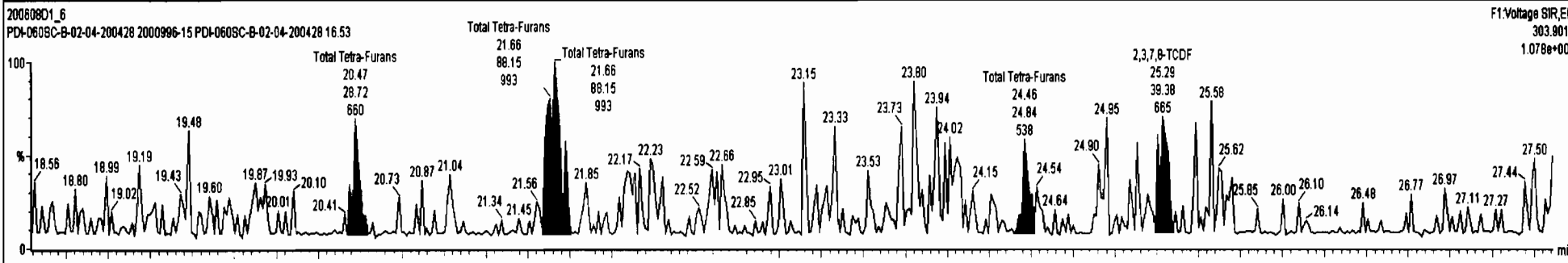


13C-2,3,7,8-TCDF



DPE1





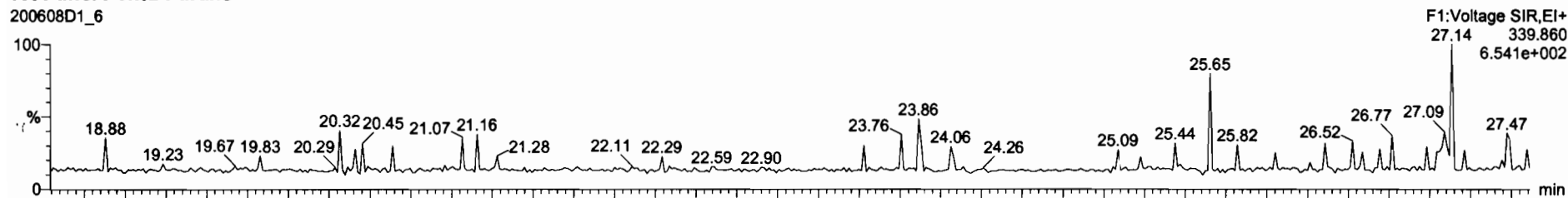
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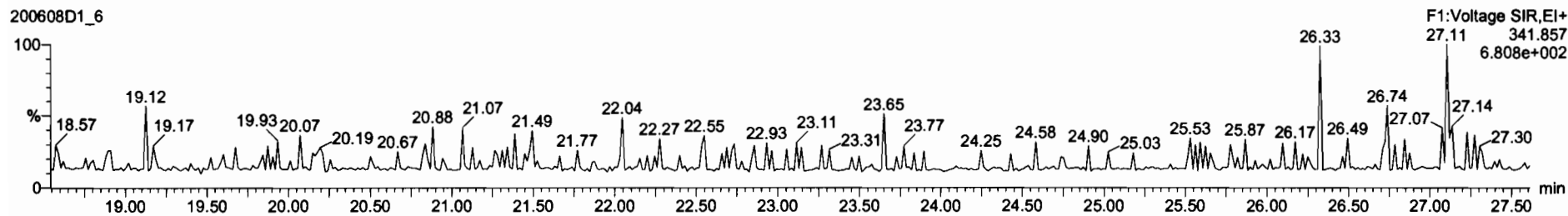
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1st Func. Penta-Furans

200608D1_6

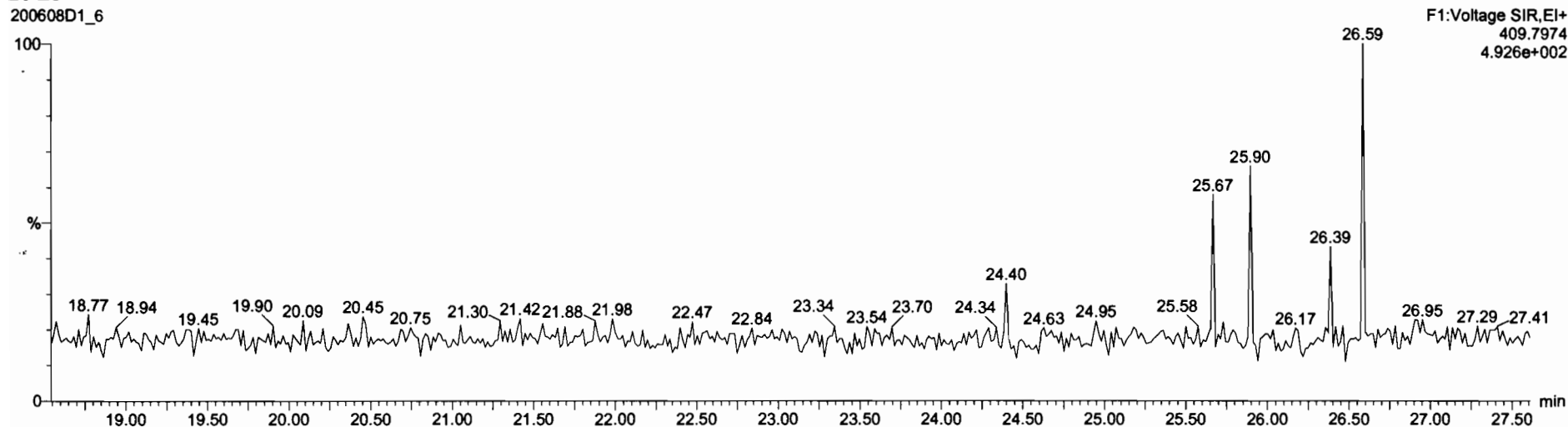


200608D1_6



DPE6

200608D1_6



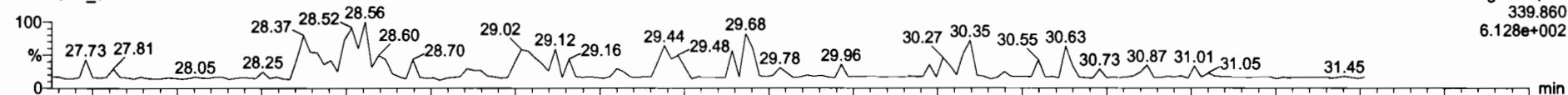
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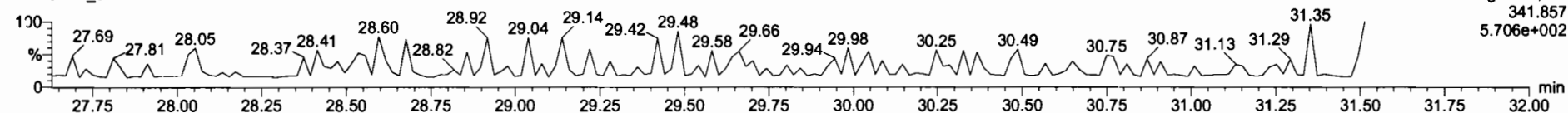
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1,2,3,7,8-PeCDF

200608D1_6

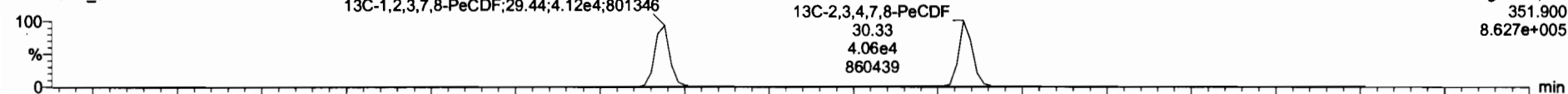


200608D1_6

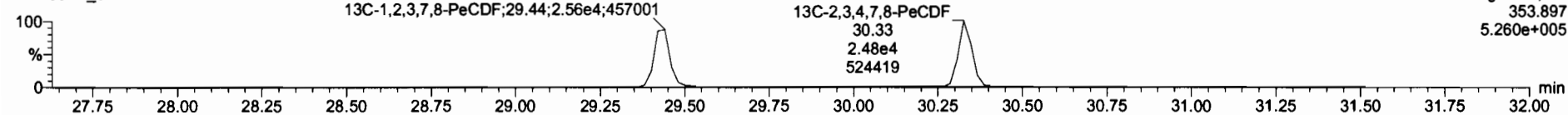


13C-1,2,3,7,8-PeCDF

200608D1_6

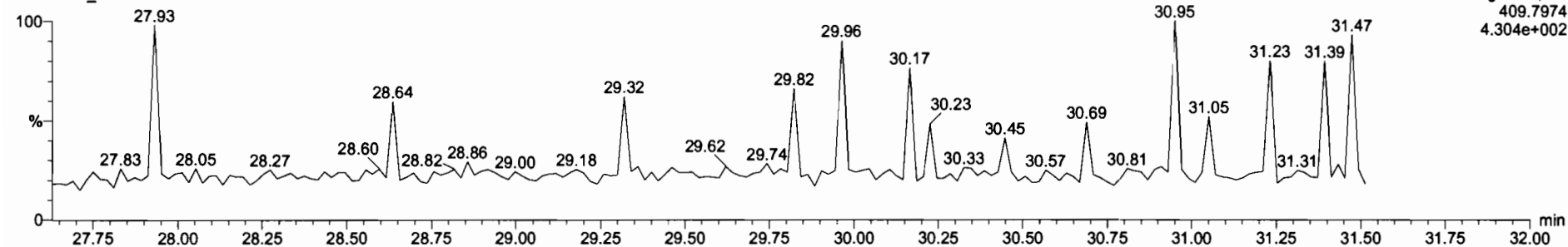


200608D1_6



DPE2

200608D1_6

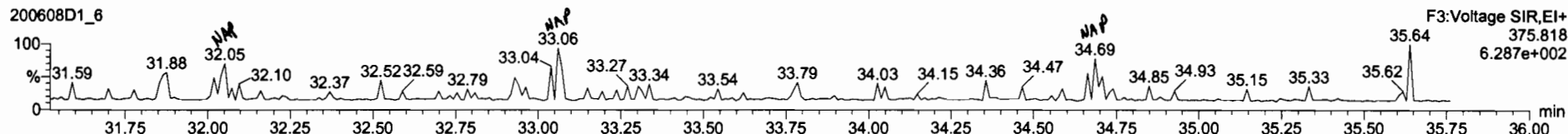
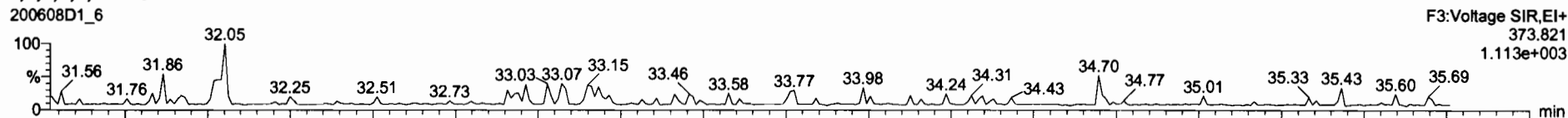


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_6.qld

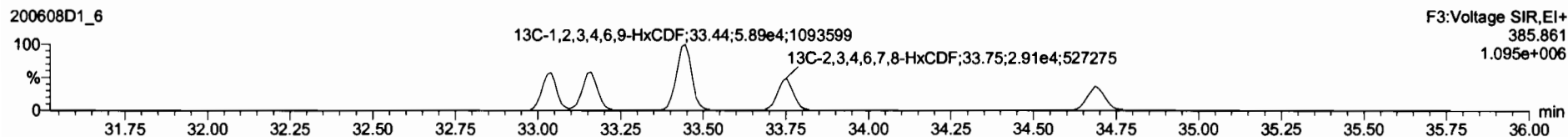
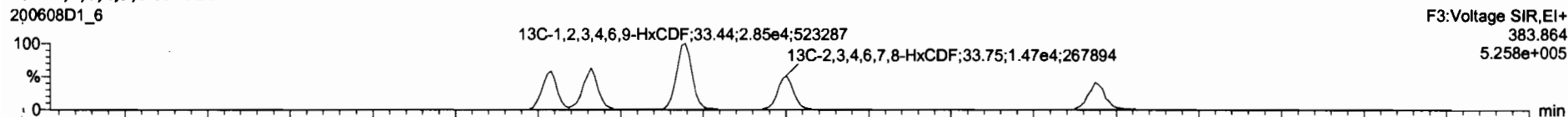
Last Altered: Tuesday, June 09, 2020 10:03:04 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:38:22 Pacific Daylight Time

Name: 200608D1_6, Date: 08-Jun-2020, Time: 16:45:58, ID: 2000996-15 PDI-060SC-B-02-04-200428 16.53, Description: PDI-060SC-B-02-04-200428

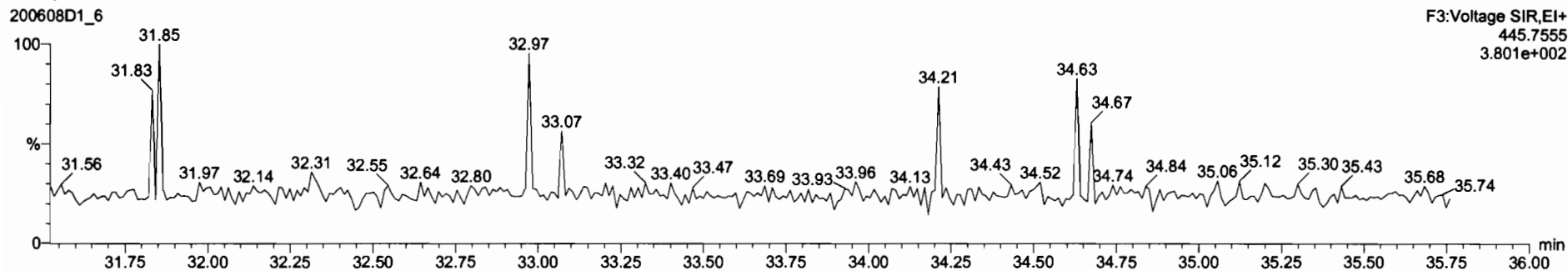
1,2,3,4,7,8-HxCDF



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



DPE3



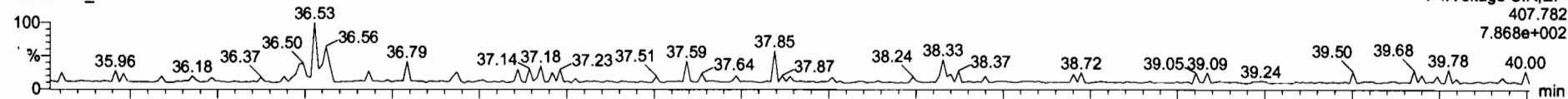
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Last Altered: Tuesday, June 09, 2020 10:03:04 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:38:22 Pacific Daylight Time

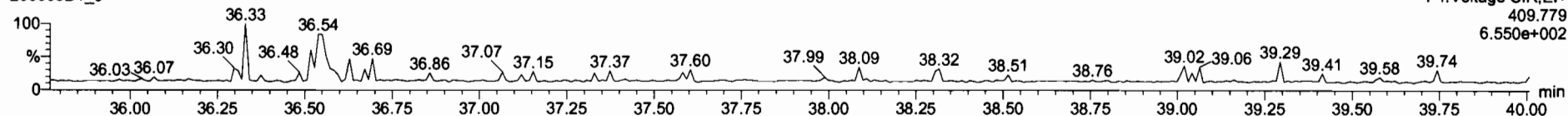
Name: 200608D1_6, Date: 08-Jun-2020, Time: 16:45:58, ID: 2000996-15 PDI-060SC-B-02-04-200428 16.53, Description: PDI-060SC-B-02-04-200428

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

200608D1_6

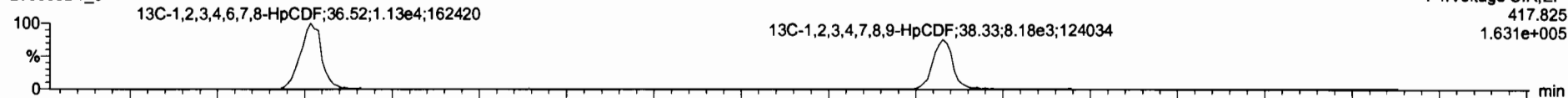


200608D1_6

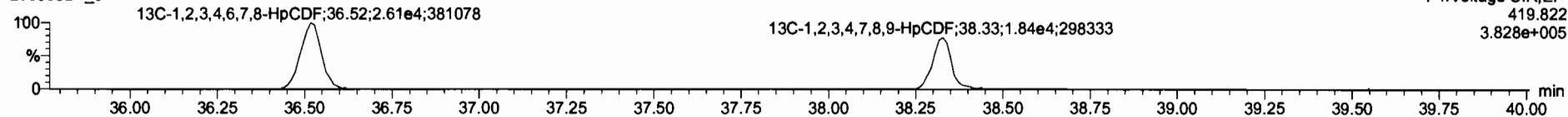


13C-1,2,3,4,6,7,8-HpCDF

200608D1_6

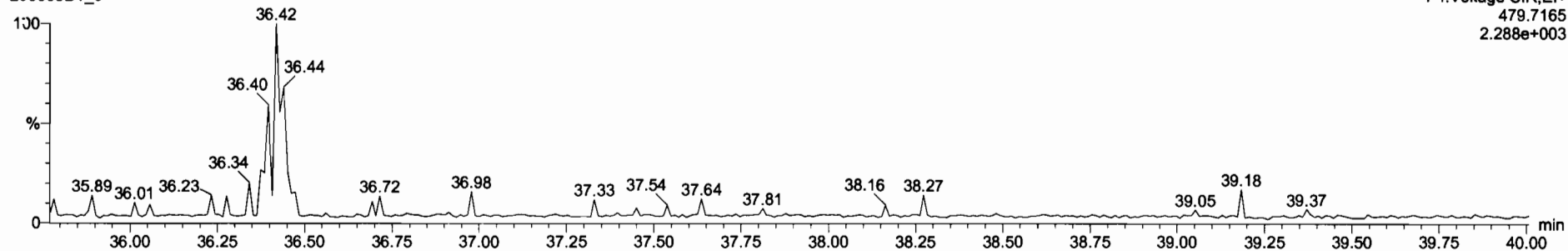


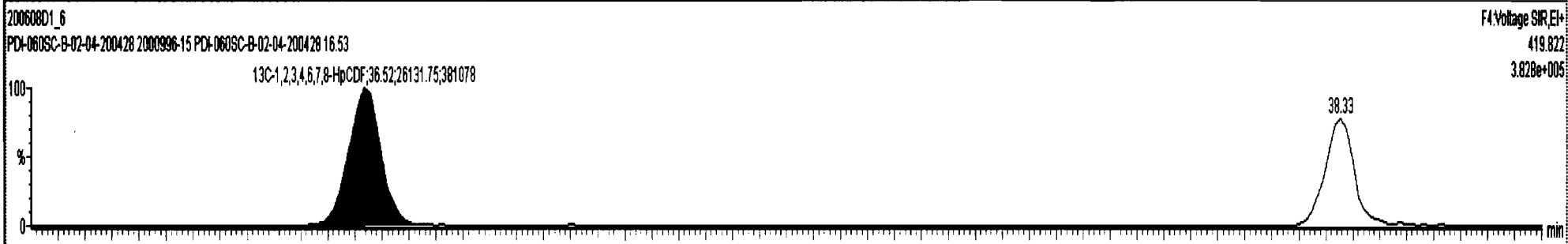
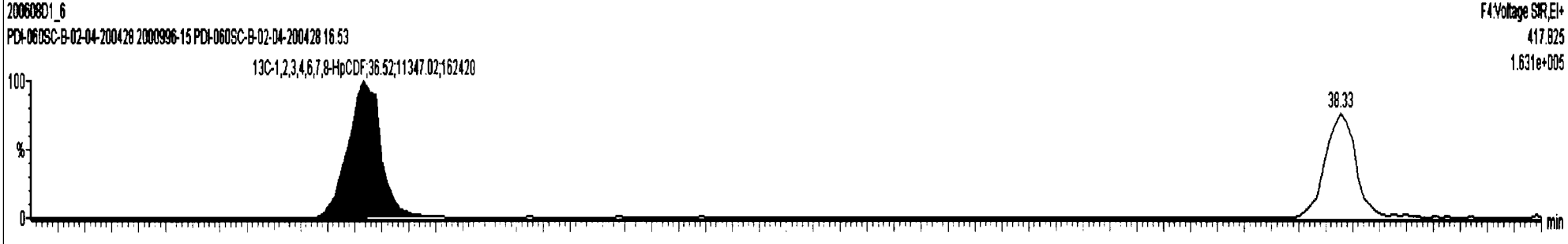
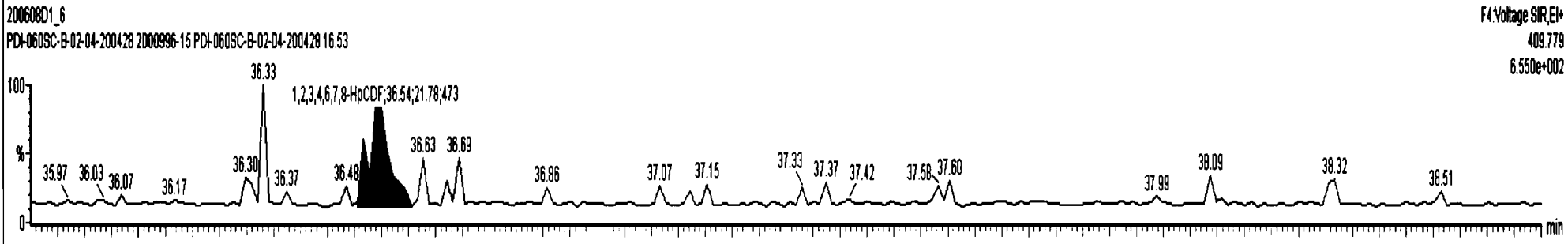
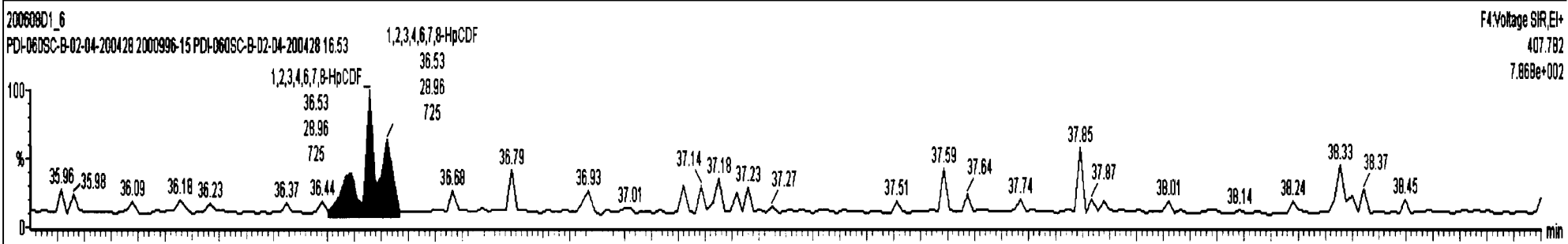
200608D1_6



DPE4

200608D1_6

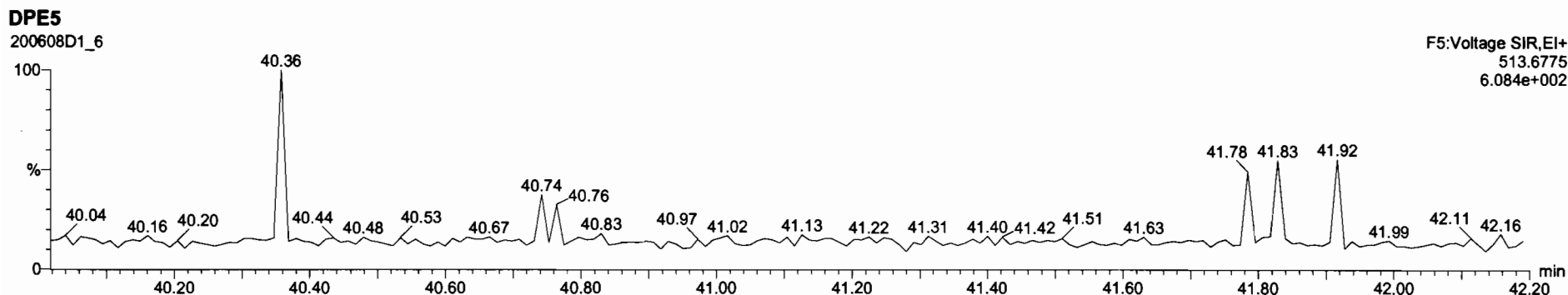
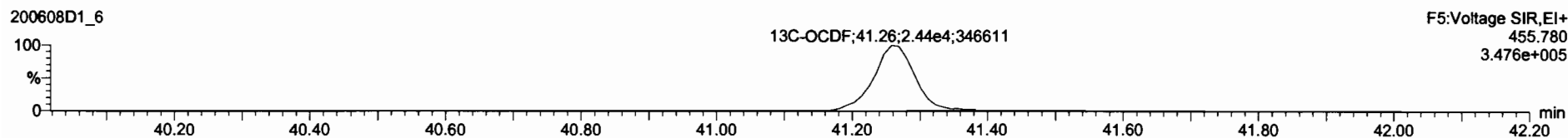
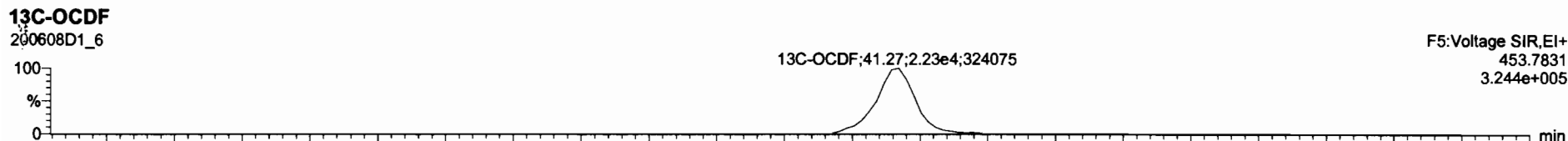
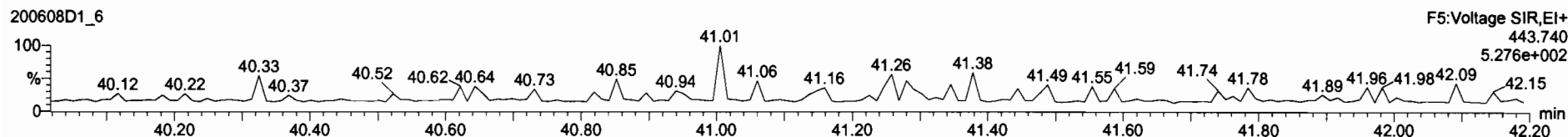
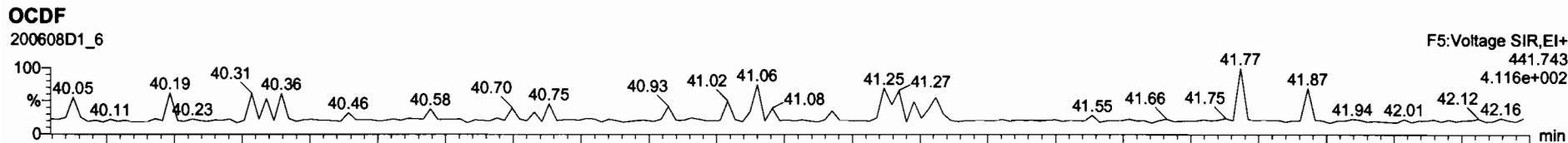




Dataset: U:\VG7.PRO\Results\200608D1\200608D1_6.qld

Last Altered: Tuesday, June 09, 2020 10:03:04 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:38:22 Pacific Daylight Time

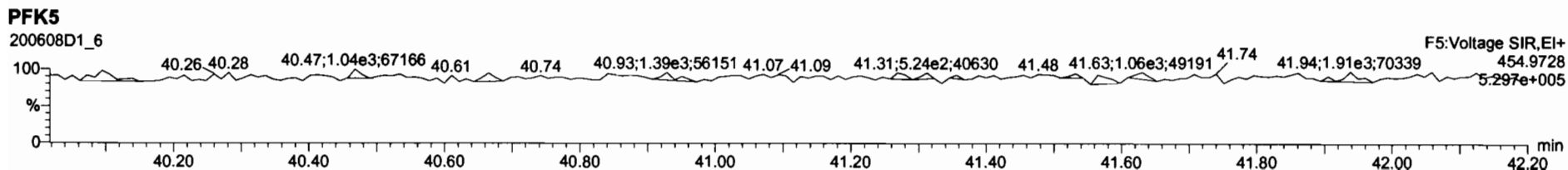
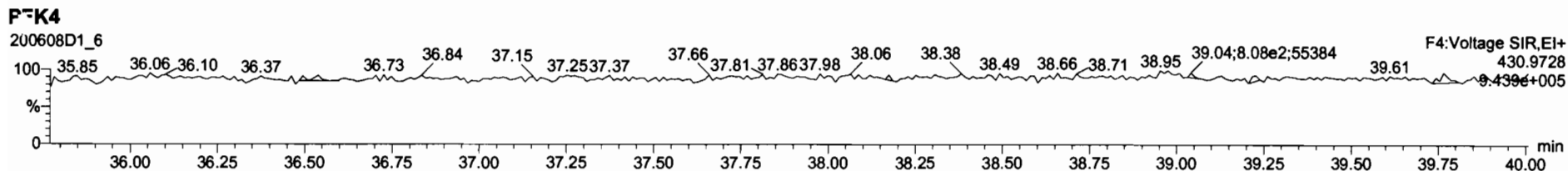
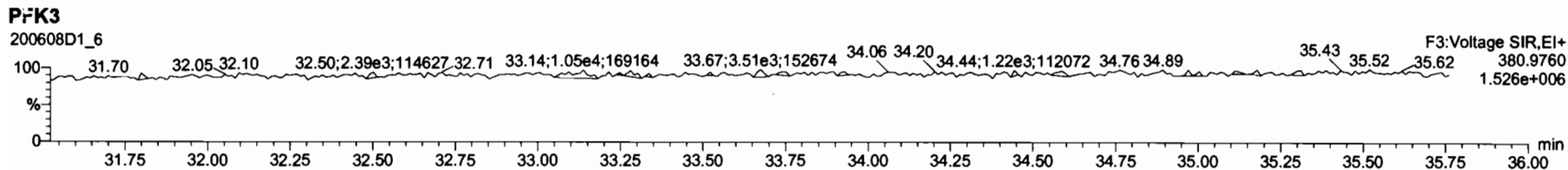
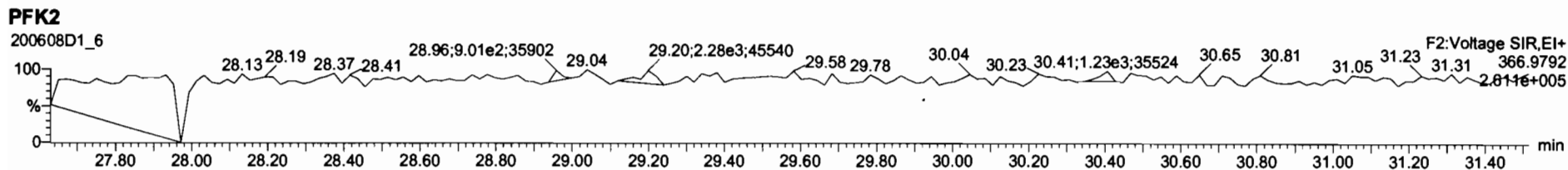
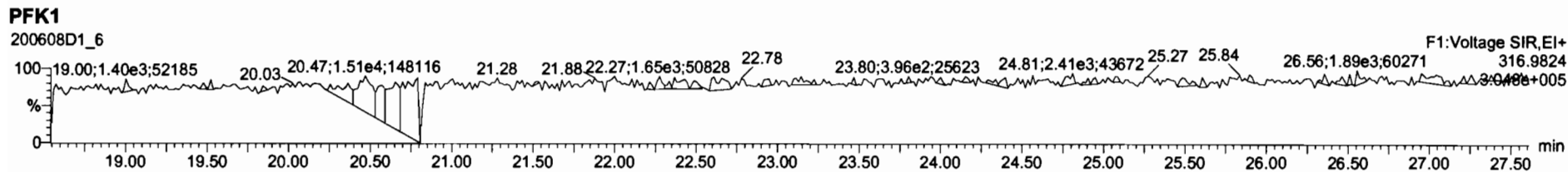
Name: 200608D1_6, Date: 08-Jun-2020, Time: 16:45:58, ID: 2000996-15 PDI-060SC-B-02-04-200428 16.53, Description: PDI-060SC-B-02-04-200428



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_6.qld

Last Altered: Tuesday, June 09, 2020 10:03:04 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:38:22 Pacific Daylight Time

Name: 200608D1_6, Date: 08-Jun-2020, Time: 16:45:58, ID: 2000996-15 PDI-060SC-B-02-04-200428 16.53, Description: PDI-060SC-B-02-04-200428



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_7.qld

Last Altered: Tuesday, June 09, 2020 13:17:15 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:18:21 Pacific Daylight Time

DB 6/9/20 CJ 09/09/20

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

Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428

Peak	RA	n/y	RRF	wt/vol	Found RT	RT	RRF	RRF	RRF	RRF	RRF	RRF
1			NO	0.987	10.039	26.066		1.001				0.155
2			NO	0.982	10.039	30.629		1.001				0.227
3			NO	1.17	10.039	33.916		1.000				0.240
4			NO	1.04	10.039	34.016		1.000				0.224
5			NO	1.00	10.039	34.346		1.001				0.254
6	1.34e2	0.78	YES	0.992	10.039	37.801	37.81	1.000	1.001	0.48112		0.215 0.414
7	8.64e2	0.91	NO	1.04	10.039	41.038	41.05	1.000	1.000	3.6024		0.457 3.60
8			NO	0.882	10.039	25.265		1.001				0.224
9			NO	1.05	10.039	29.442		1.001				0.0872
10			NO	1.06	10.039	30.356		1.001				0.0904
11			NO	1.08	10.039	33.017		1.000				0.107
12			NO	1.04	10.039	33.159		1.000				0.101
13			NO	1.11	10.039	33.775		1.001				0.108
14			NO	1.06	10.039	34.685		1.000				0.160
15			NO	1.13	10.039	36.555		1.001				0.0770
16			NO	1.33	10.039	38.317		1.000				0.0707
17			NO	0.933	10.039	41.258		1.000				0.189
18	8.33e4	0.80	NO	1.21	10.039	26.131	26.03	1.026	1.022	154.23	77.4	0.479
19	7.11e4	0.65	NO	0.996	10.039	30.614	30.61	1.202	1.202	159.42	80.0	0.290
20	5.87e4	1.30	NO	0.679	10.039	33.902	33.91	1.014	1.014	176.93	88.8	0.768
21	6.96e4	1.29	NO	0.850	10.039	34.012	34.02	1.017	1.017	167.67	84.2	0.613
22	7.09e4	1.24	NO	0.798	10.039	34.283	34.31	1.025	1.026	181.70	91.2	0.653
23	5.58e4	1.10	NO	0.697	10.039	37.747	37.79	1.129	1.130	163.94	82.3	1.05
24	9.23e4	0.85	NO	0.579	10.039	40.769	41.04	1.219	1.227	326.34	81.9	0.481
25	1.11e5	0.76	NO	1.13	10.039	25.214	25.24	0.990	0.991	143.52	72.0	0.560
26	1.13e5	1.61	NO	0.996	10.039	29.435	29.42	1.156	1.155	165.24	82.9	0.914
27	1.09e5	1.64	NO	0.969	10.039	30.334	30.33	1.191	1.191	163.60	82.1	0.940
28	8.74e4	0.49	NO	1.06	10.039	33.033	33.02	0.988	0.988	169.18	84.9	0.851
29	9.45e4	0.49	NO	1.18	10.039	33.167	33.15	0.992	0.991	164.56	82.6	0.766
30	8.50e4	0.51	NO	1.06	10.039	33.738	33.74	1.009	1.009	164.65	82.6	0.852
31	7.27e4	0.51	NO	0.879	10.039	34.638	34.69	1.036	1.037	169.17	84.9	1.02

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_7.qld

Last Altered: Tuesday, June 09, 2020 13:17:15 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:18:21 Pacific Daylight Time

Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428

	Comp	RA	n/y	RRE	w/vol	Area	Area	Area	Area	Area	Area	Area	Area
32	13C-1,2,3,4,6,7,8-HpCDF	7.22e4	0.43	NO	0.893	10.039	36.343	36.52	1.087	1.092	165.56	83.1	0.869
33	13C-1,2,3,4,7,8,9-HpCDF	5.29e4	0.44	NO	0.613	10.039	38.349	38.32	1.147	1.146	176.45	88.6	1.26
34	13C-OCDF	1.11e5	0.88	NO	0.741	10.039	40.923	41.26	1.224	1.234	306.86	77.0	0.657
35	37Cl-2,3,7,8-TCDD	3.00e4			1.18	10.039	26.129	26.07	1.026	1.023	56.803	71.3	0.0774
36	13C-1,2,3,4-TCDD	8.92e4	0.79	NO	1.00	10.039	25.480	25.47	1.000	1.000	199.22	100	0.577
37	13C-1,2,3,4-TCDF	1.36e5	0.76	NO	1.00	10.039	24.020	24.00	1.000	1.000	199.22	100	0.631
38	13C-1,2,3,4,6,9-HxCDF	9.73e4	0.49	NO	1.00	10.039	33.530	33.43	1.000	1.000	199.22	100	0.900
39	Total Tetra-Dioxins				0.987	10.039	24.620		0.000				0.0990
40	Total Penta-Dioxins				0.982	10.039	29.960		0.000				0.103
41	Total Hexa-Dioxins				1.04	10.039	33.635		0.000		0.36461		0.0801 0.365
42	Total Hepta-Dioxins				0.992	10.039	37.640		0.000		0.90336		0.215 1.32
43	Total Tetra-Furans				0.882	10.039	23.610		0.000		0.43040		0.224 0.534
44	1st Func. Penta-Furans				1.05	10.039	27.090		0.000				0.0111
45	Total Penta-Furans				1.05	10.039	29.275		0.000				0.0391
46	Total Hexa-Furans				1.11	10.039	33.555		0.000				0.0698
47	Total Hepta-Furans				1.13	10.039	37.835		0.000				0.0494

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_7.qld

Last Altered: Tuesday, June 09, 2020 13:17:15 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 13:18:21 Pacific Daylight Time

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

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

Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DB
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Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DB
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Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DB
Total Hexa-Dioxins	32.41	1.380e3	2.204e3	6.771e1	5.818e1	1.16	NO	1.259e2	0.36461	0.36461	0.0801

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DB
Total Hepta-Dioxins	36.94	2.132e3	1.937e3	1.280e2	1.230e2	1.04	NO	2.510e2	0.90336	0.90336	0.215
1,2,3,4,6,7,8-HpCDD	37.81	1.280e3	1.382e3	5.865e1	7.503e1	0.78	YES	1.337e2	0.00000	0.41404	0.215

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DB
Total Tetra-Furans	21.65	9.140e2	2.327e3	9.176e1	1.193e2	0.77	NO	2.111e2	0.43040	0.43040	0.224
Total Tetra-Furans	24.44	6.860e2	6.430e2	2.860e1	2.881e1	0.99	YES	0.000e0	0.00000	0.10399	0.224

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	ny	Resp	Conc	EMPC	DB
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Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_7.qld

Last Altered: Tuesday, June 09, 2020 13:17:15 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 13:18:21 Pacific Daylight Time

Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	fy	Resp	Conc	EMPO	DL
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Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	fy	Resp	Conc	EMPO	DL
------	----	-----------	-----------	---------	---------	----	----	------	------	------	----

Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	fy	Resp	Conc	EMPO	DL
------	----	-----------	-----------	---------	---------	----	----	------	------	------	----

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_7.qld

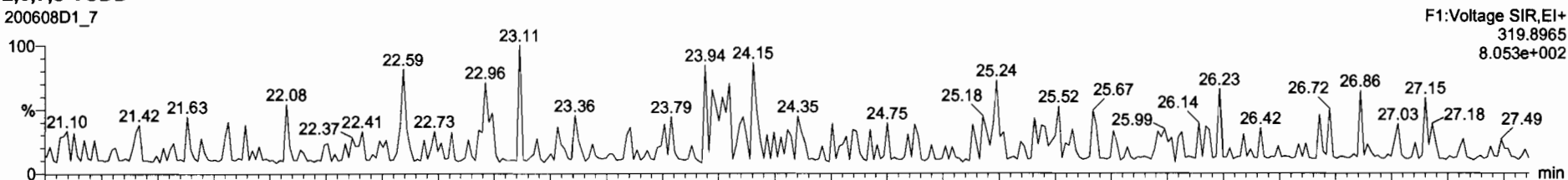
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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\ldb-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

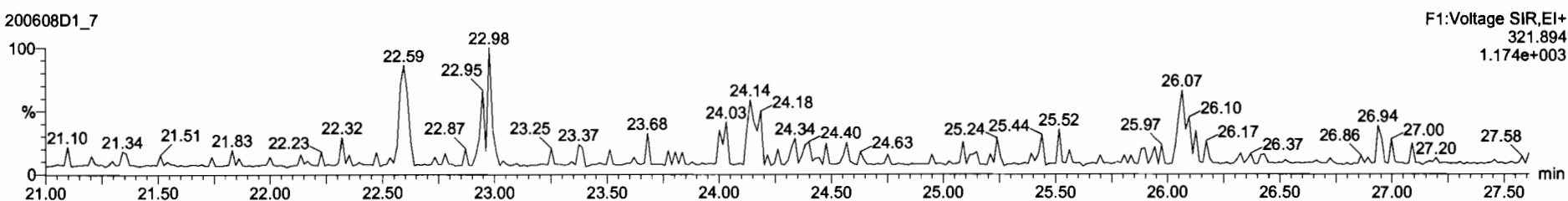
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2,3,7,8-TCDD

200608D1_7



200608D1_7

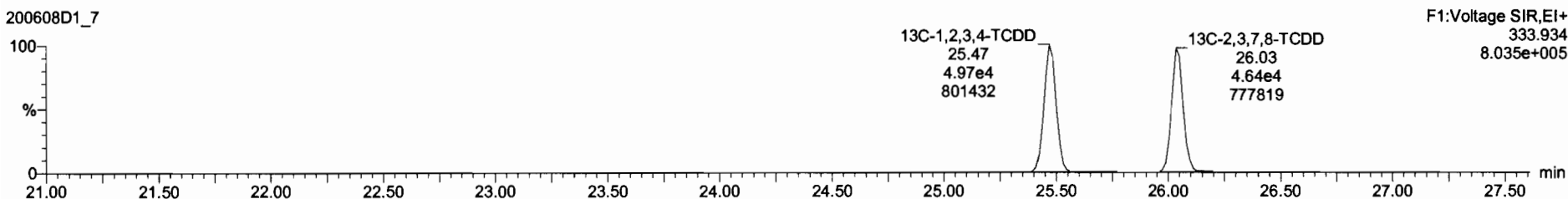


13C-2,3,7,8-TCDD

200608D1_7



200608D1_7



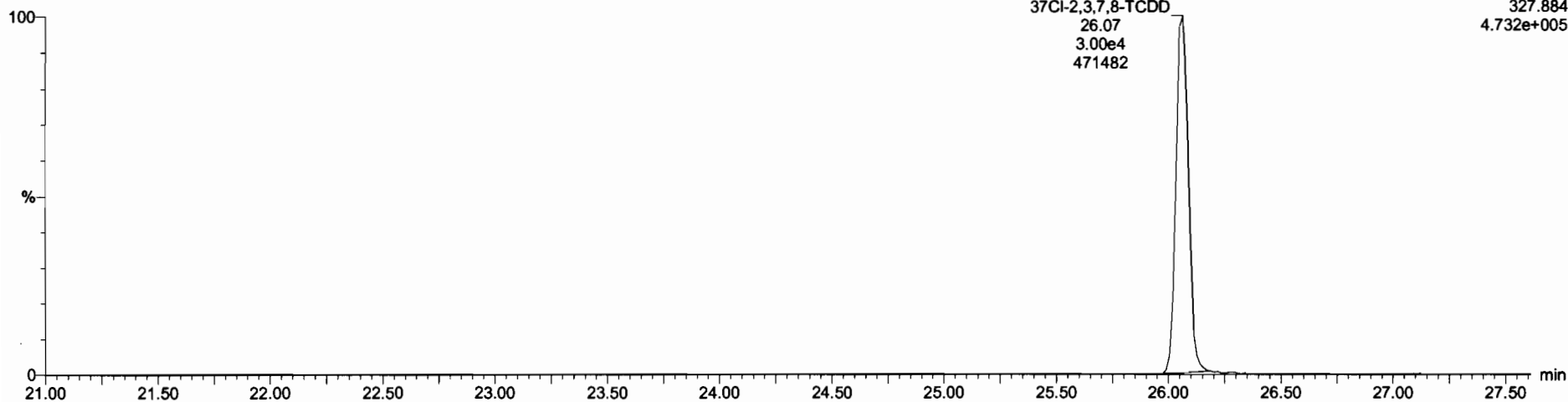
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Last Altered: Tuesday, June 09, 2020 10:04:34 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428

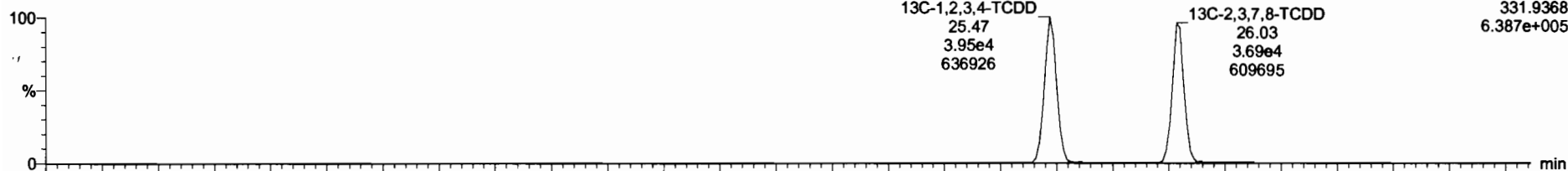
37Cl-2,3,7,8-TCDD

200608D1_7

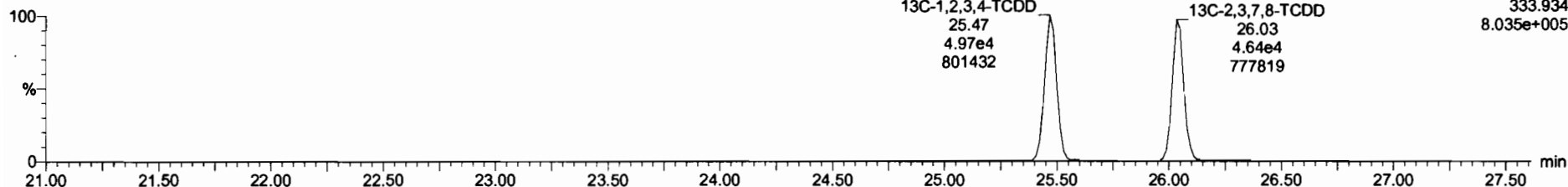


13C-1,2,3,4-TCDD

200608D1_7



200608D1_7



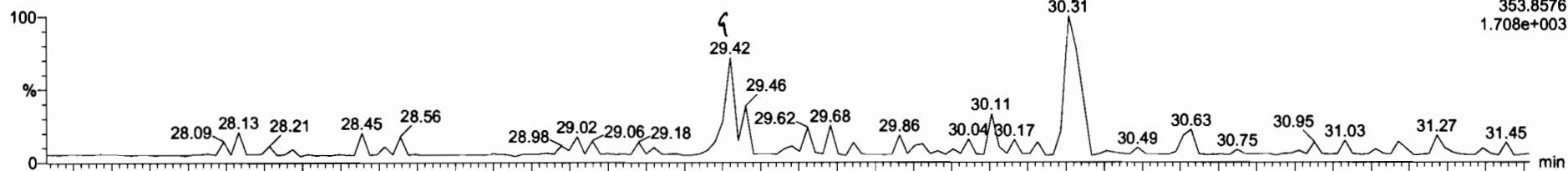
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Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

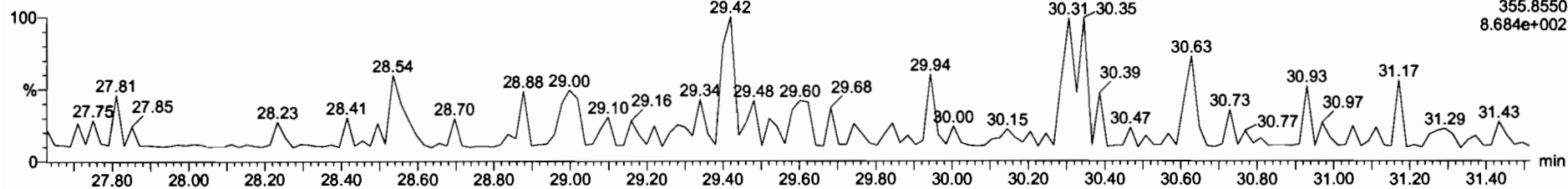
Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428

1,2,3,7,8-PeCDD

2J0608D1_7

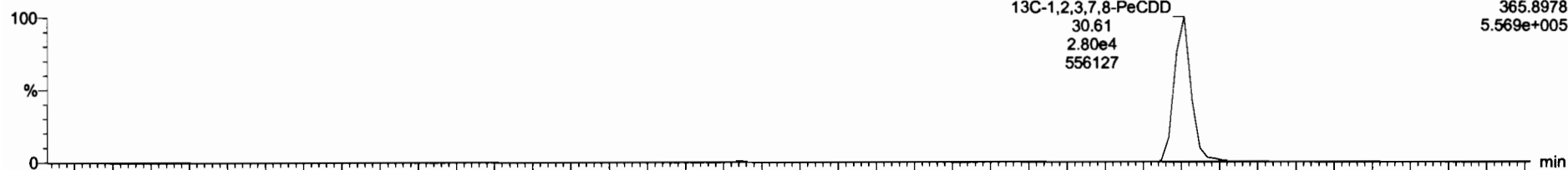


200608D1_7

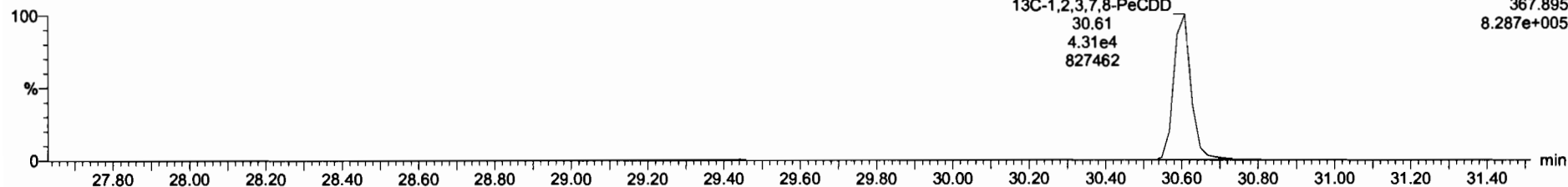


13C-1,2,3,7,8-PeCDD

200608D1_7



200608D1_7



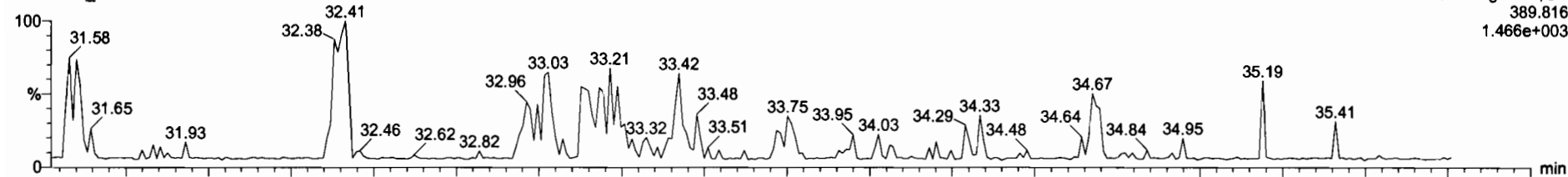
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_7.qld

Last Altered: Tuesday, June 09, 2020 10:04:34 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

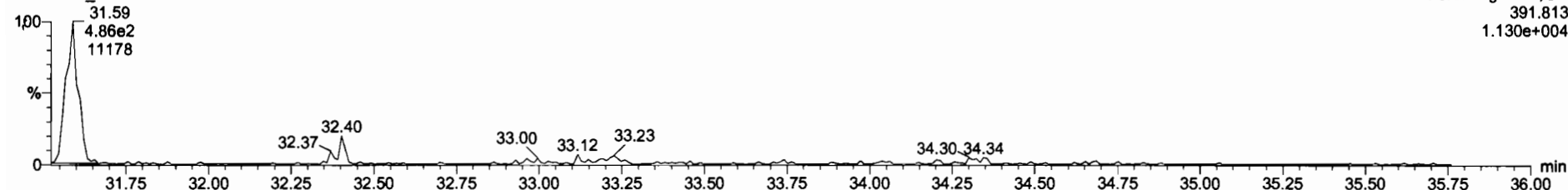
Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428

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

200608D1_7

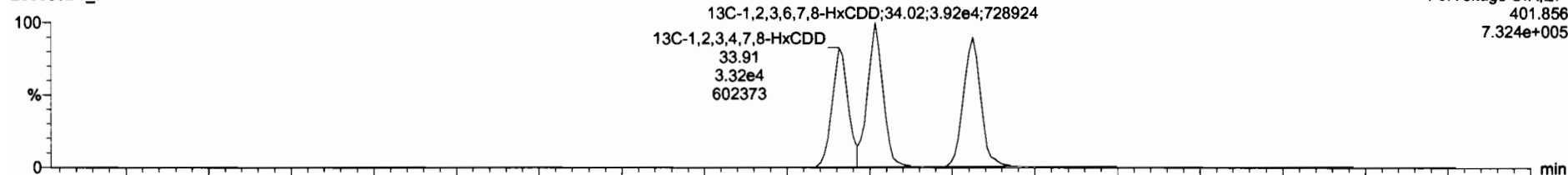


200608D1_7

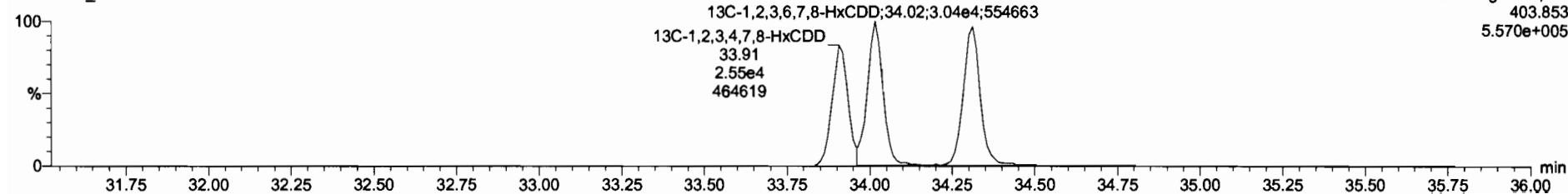


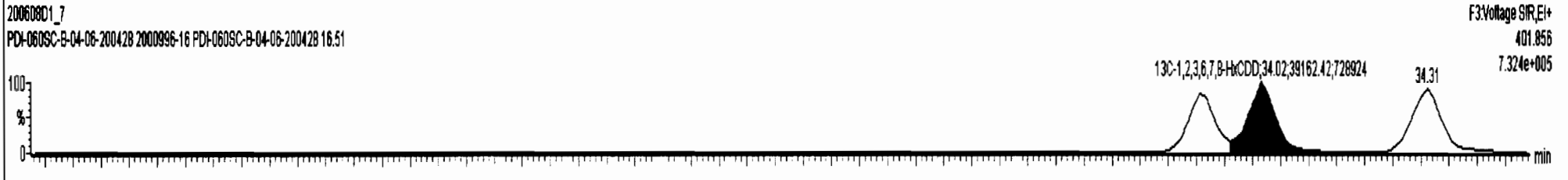
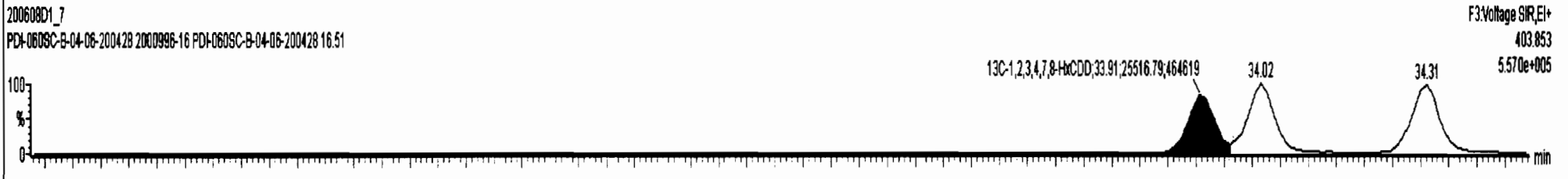
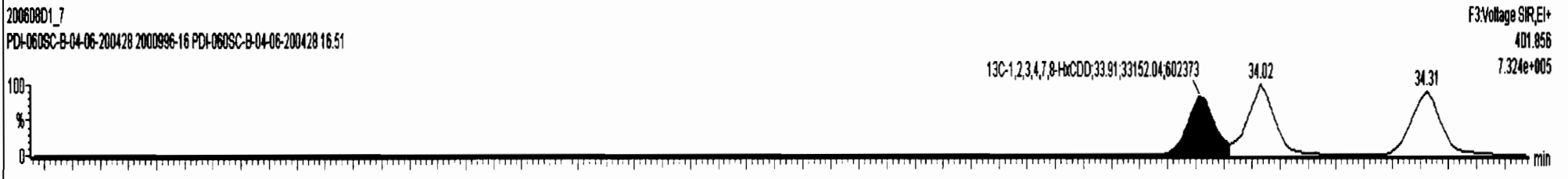
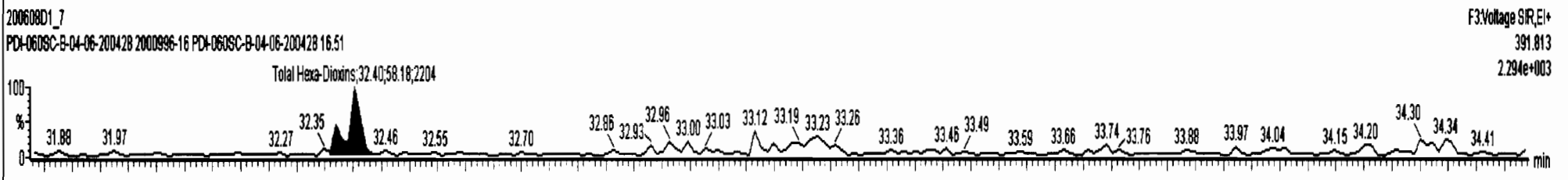
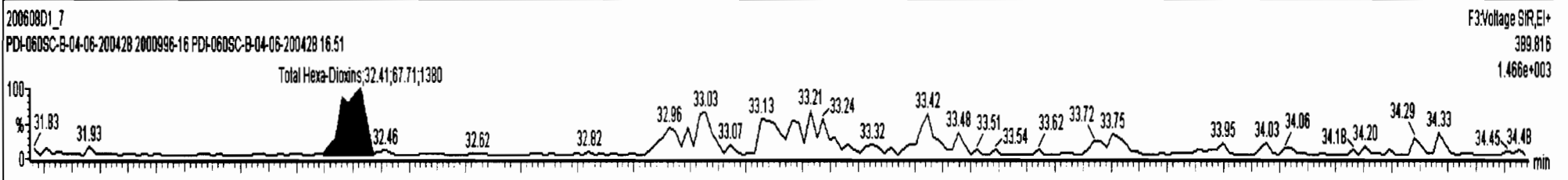
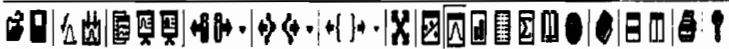
13C-1,2,3,4,7,8-HxCDD

200608D1_7



200608D1_7



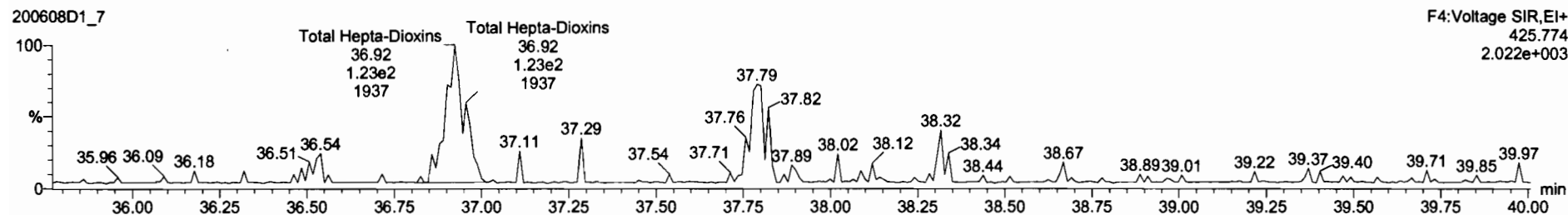
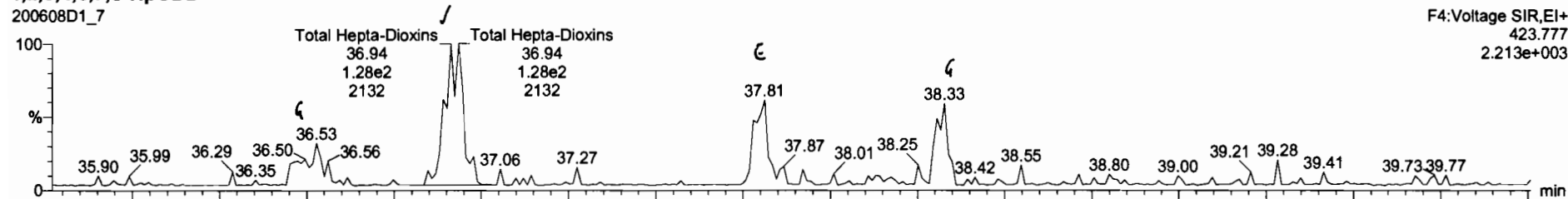


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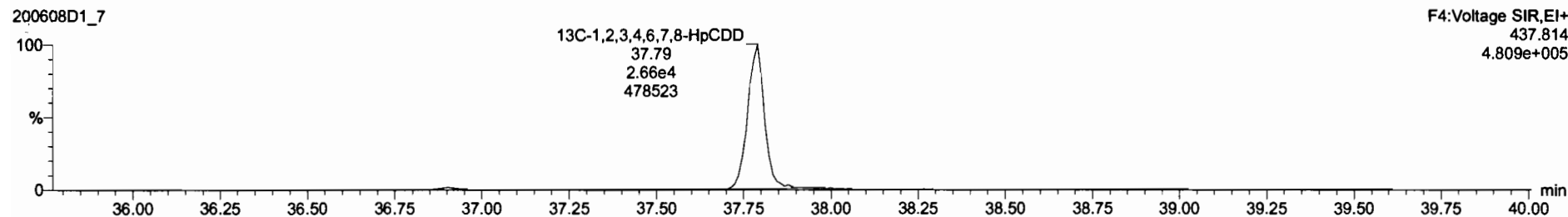
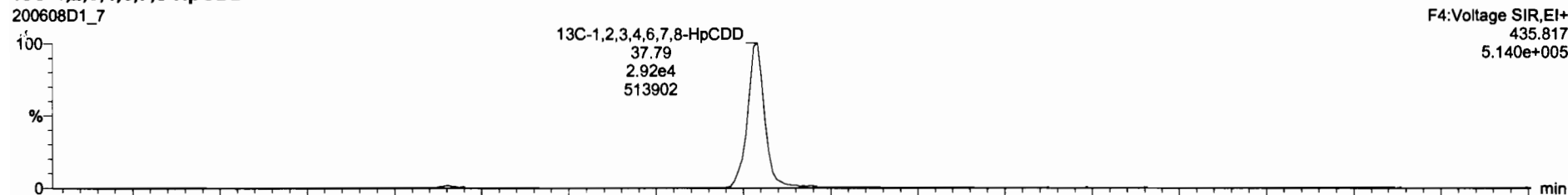
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Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

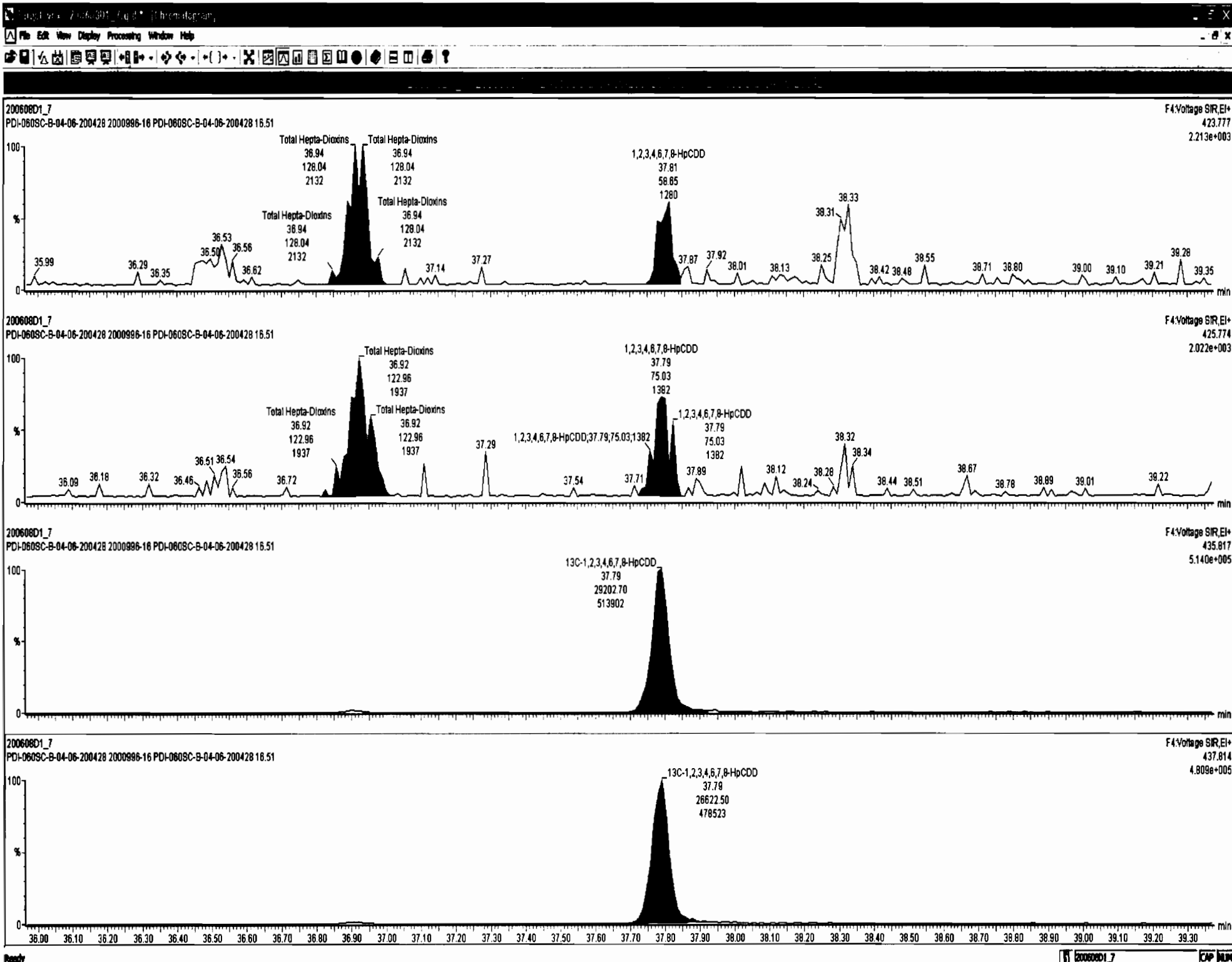
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1,2,3,4,6,7,8-HpCDD



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

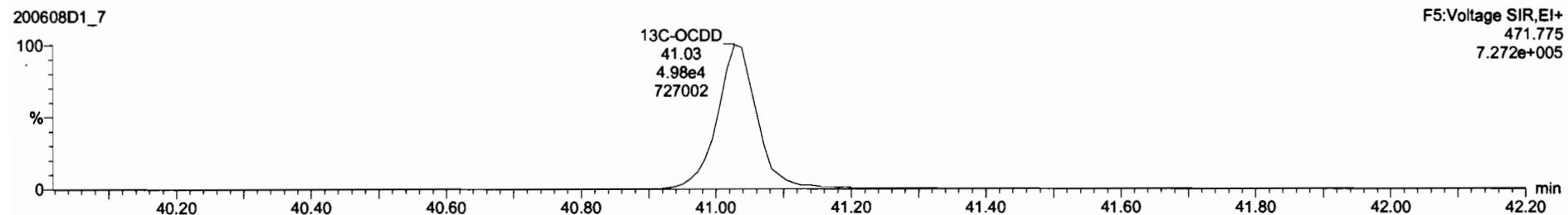
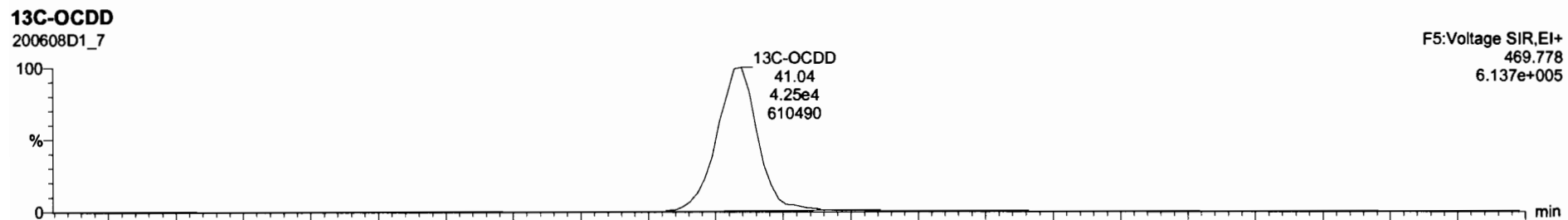
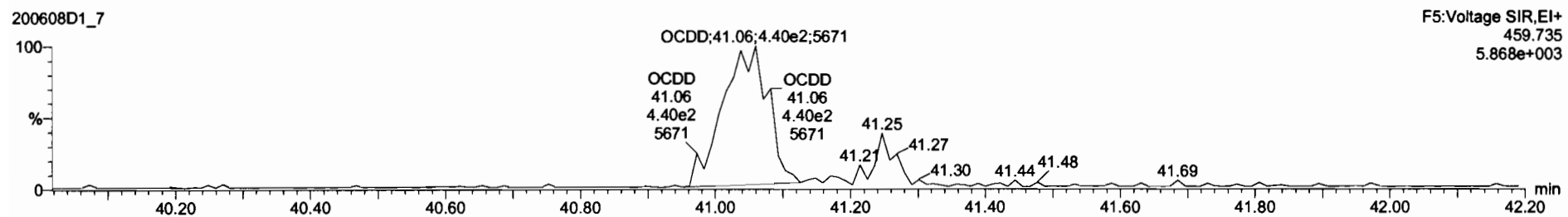
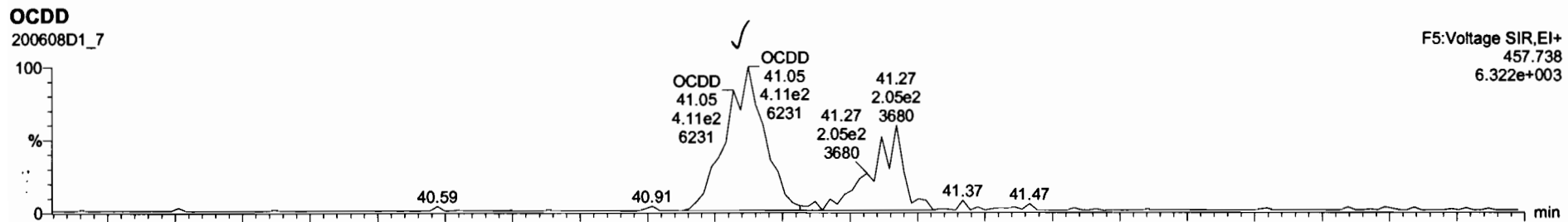


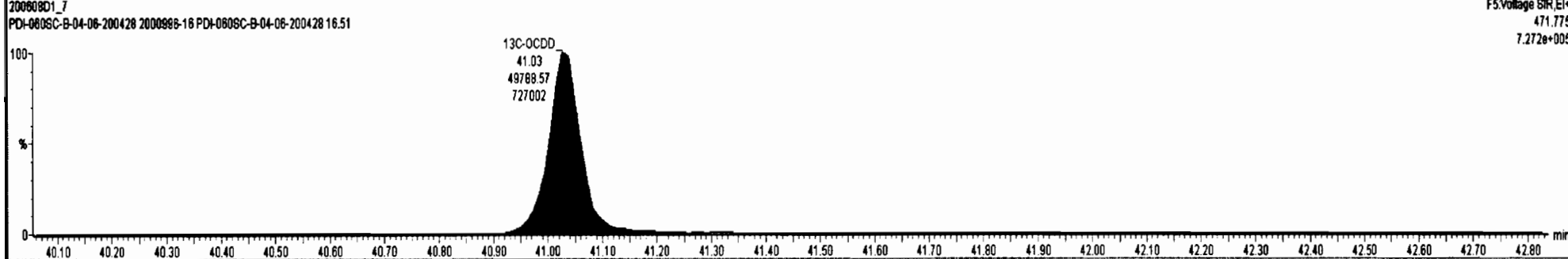
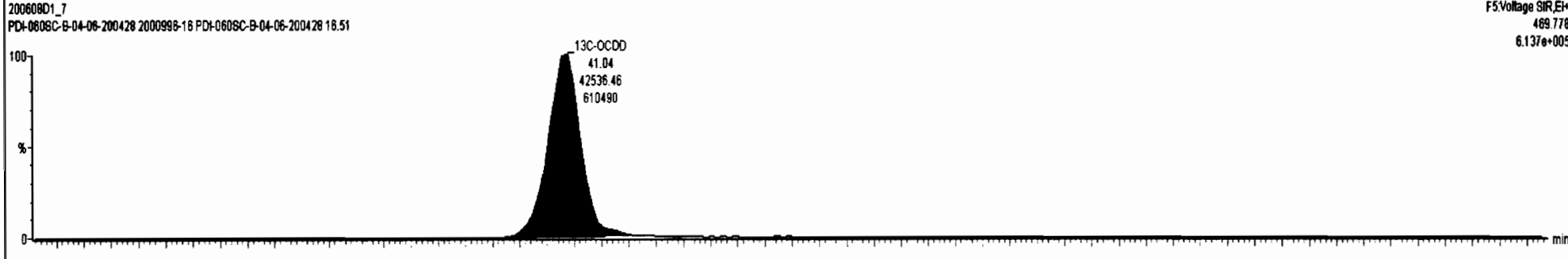
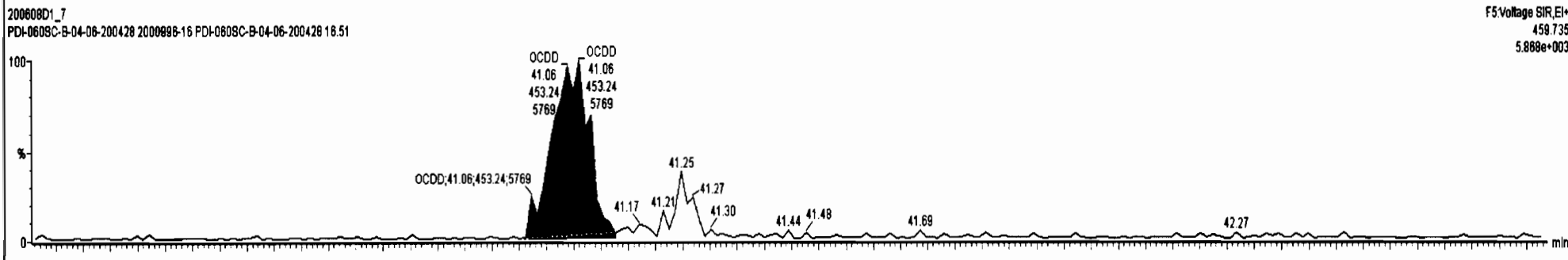
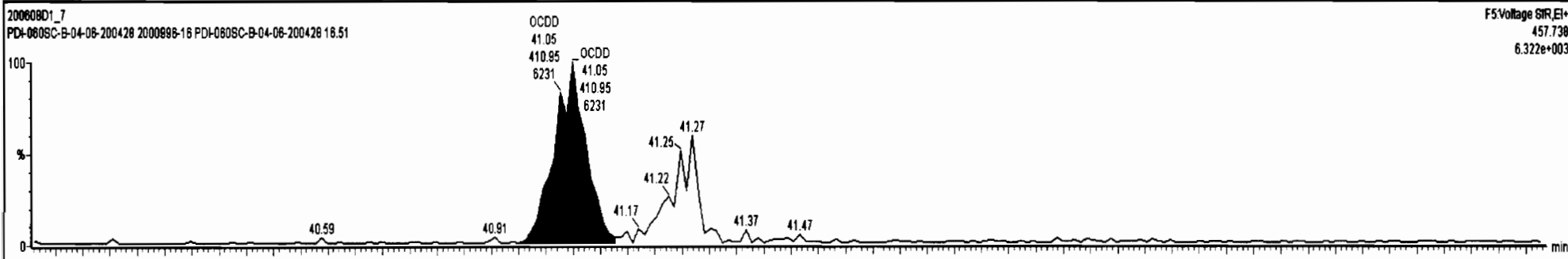


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_7.qld

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Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428





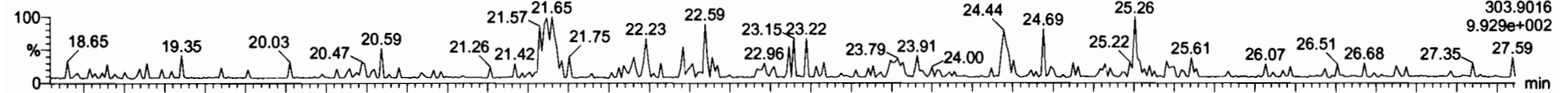
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Last Altered: Tuesday, June 09, 2020 10:04:34 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

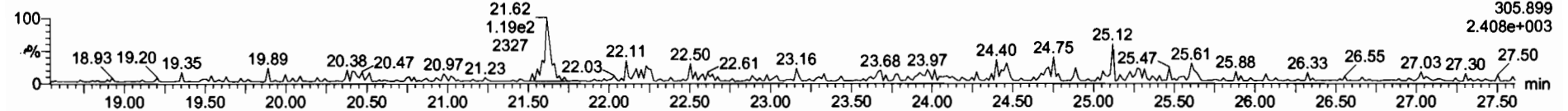
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2,3,7,8-TCDF

200608D1_7

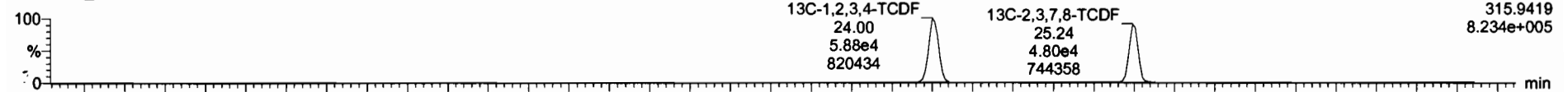


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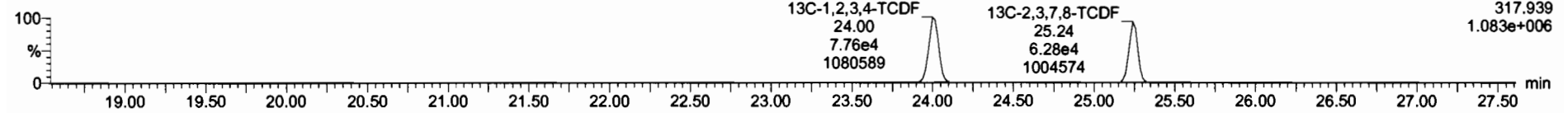


13C-2,3,7,8-TCDF

200608D1_7

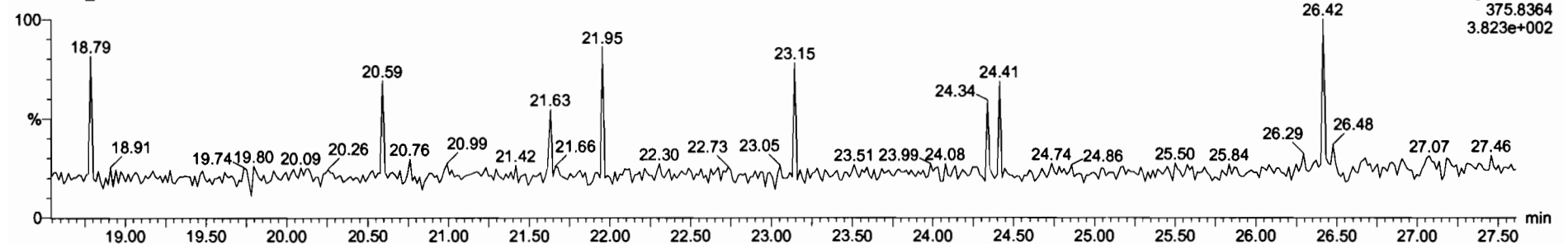


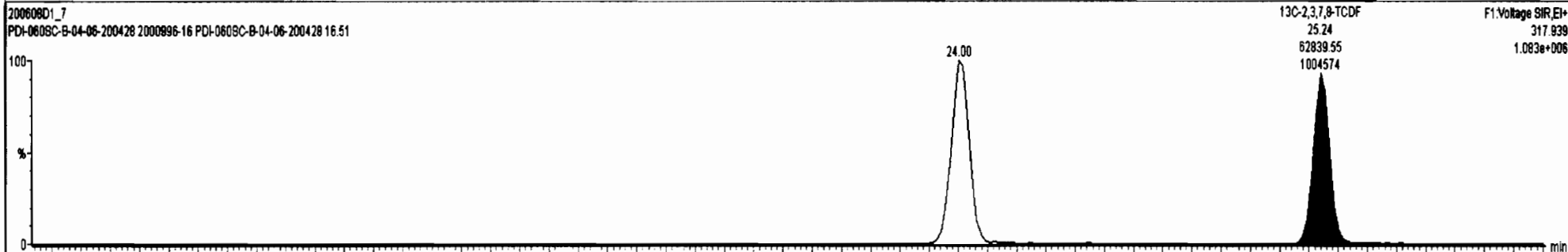
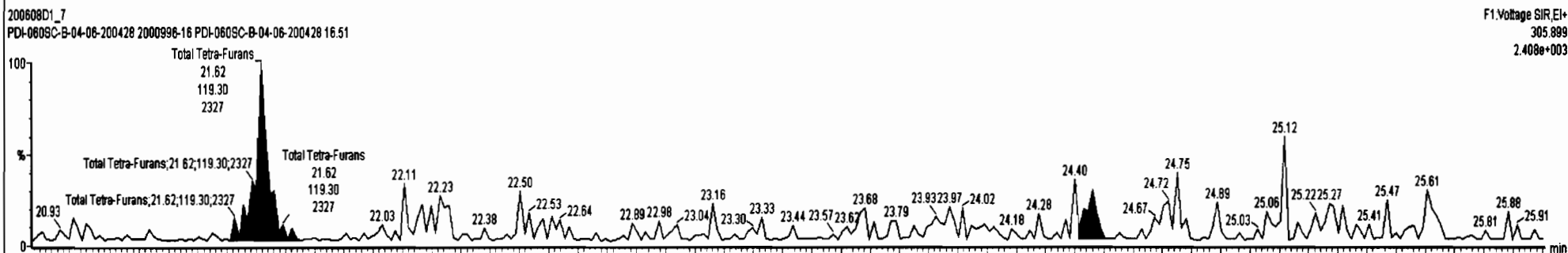
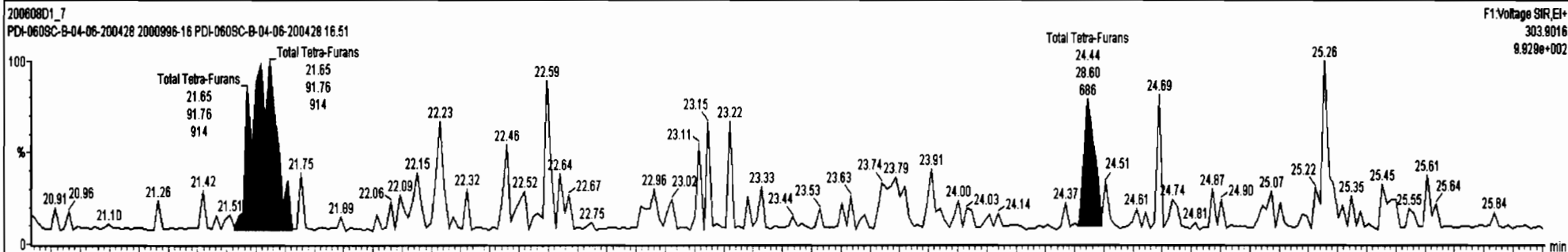
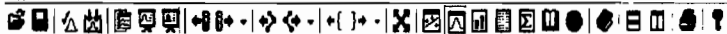
200608D1_7



DPE1

200608D1_7





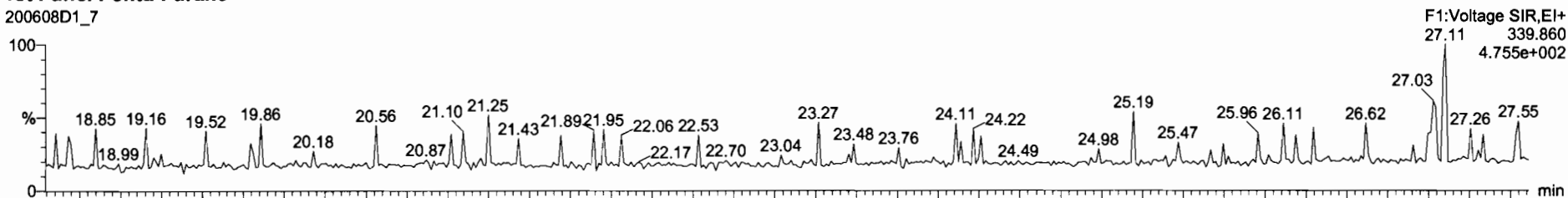
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Last Altered: Tuesday, June 09, 2020 10:04:34 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

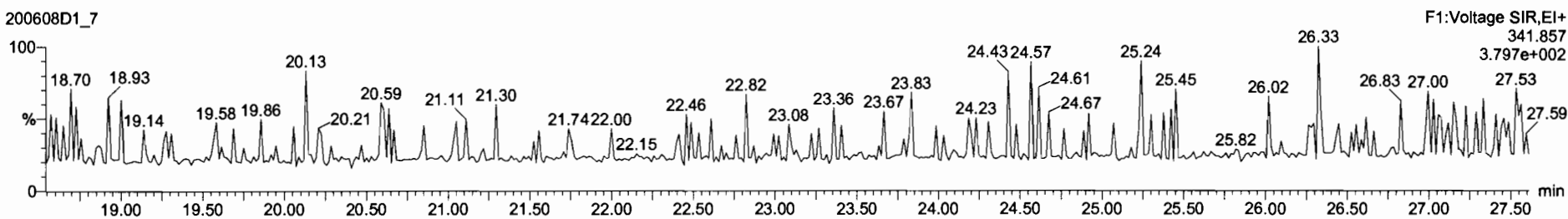
Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428

1st Func. Penta-Furans

200608D1_7

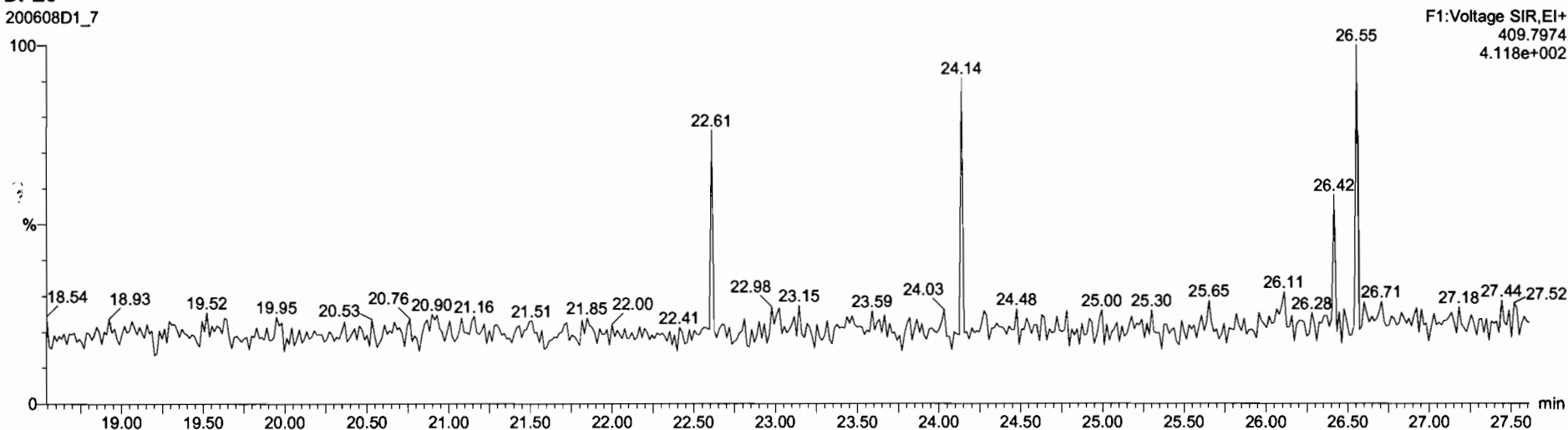


200608D1_7



DPE6

200608D1_7



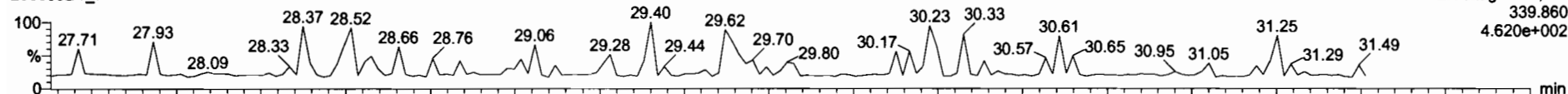
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Last Altered: Tuesday, June 09, 2020 10:04:34 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

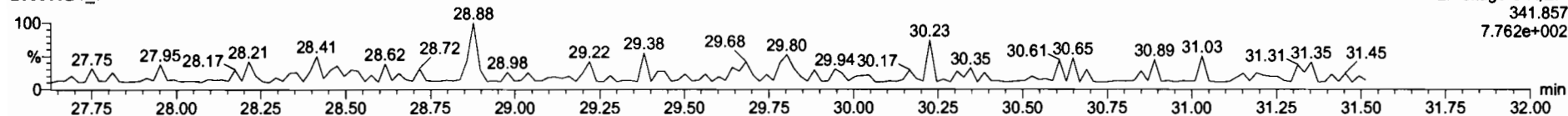
Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428

1,2,3,7,8-PeCDF

200608D1_7

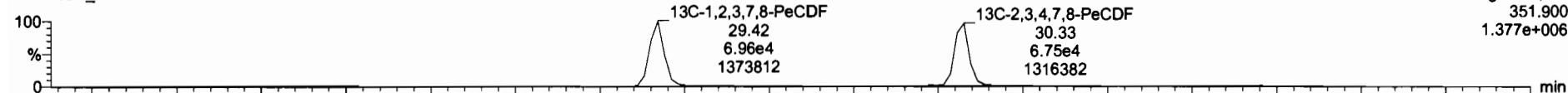


200608D1_7

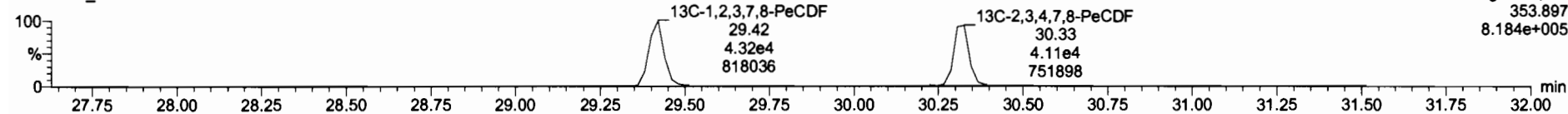


13C-1,2,3,7,8-PeCDF

200608D1_7

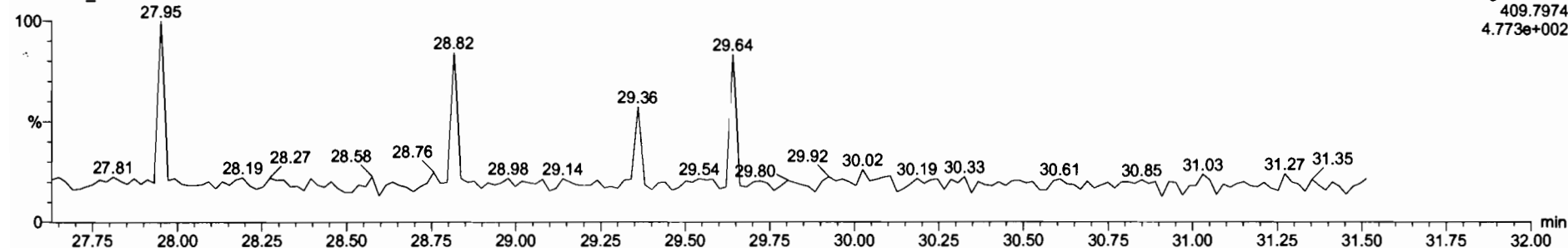


200608D1_7



DPE2

200608D1_7



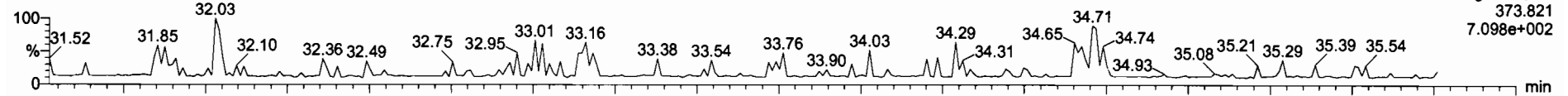
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_7.qld

Last Altered: Tuesday, June 09, 2020 10:04:34 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

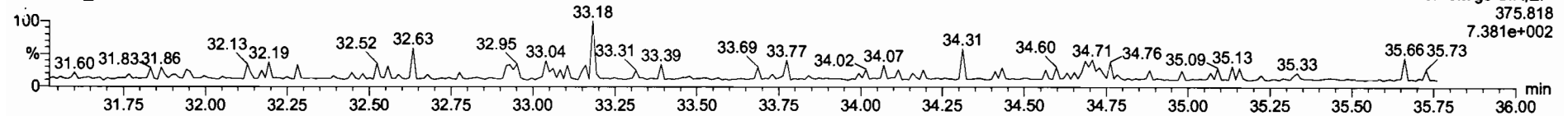
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1,2,3,4,7,8-HxCDF

200608D1_7

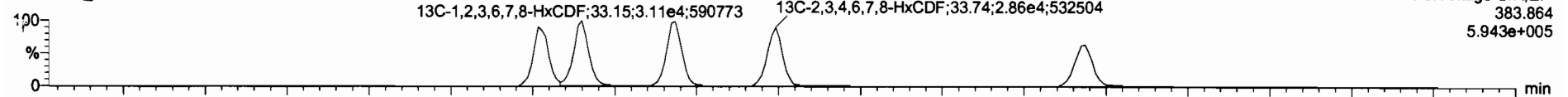


200608D1_7

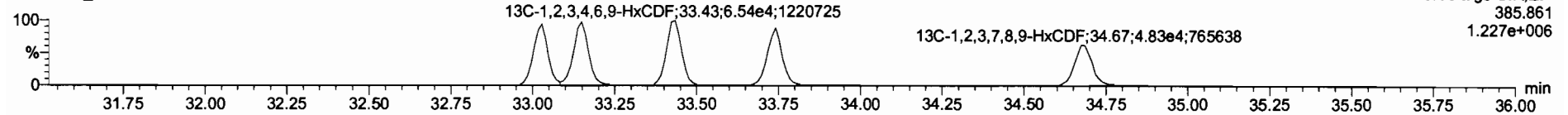


13C-1,2,3,4,7,8-HxCDF

200608D1_7

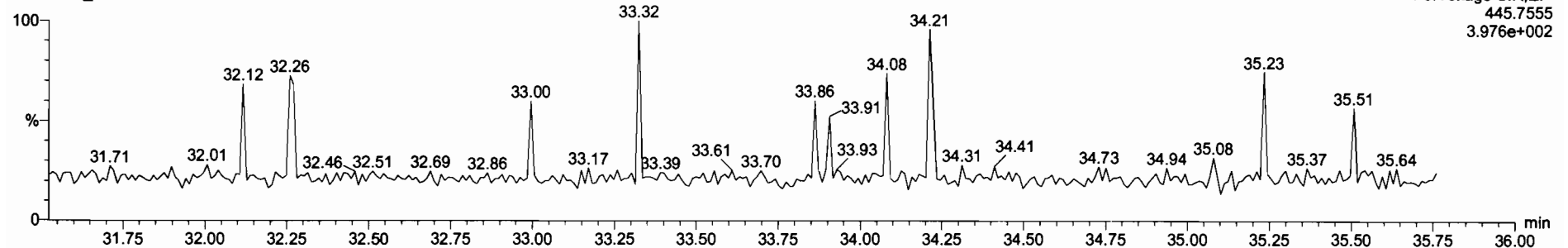


200608D1_7



DPE3

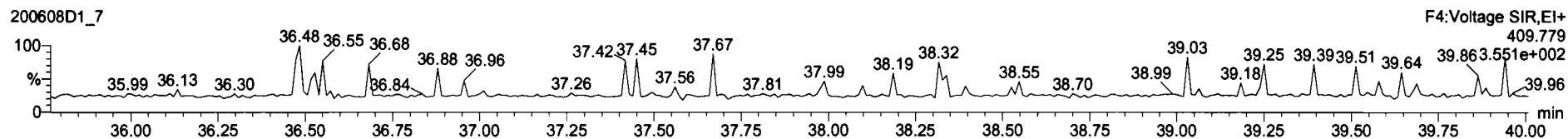
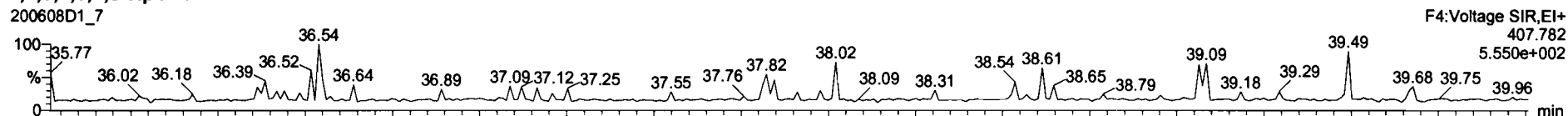
200608D1_7



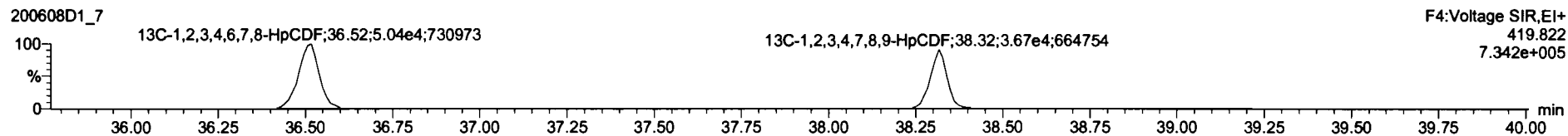
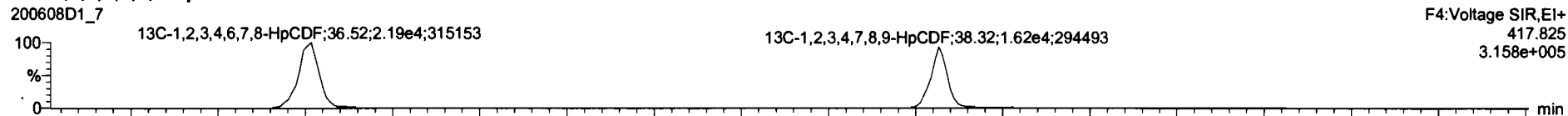
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Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428

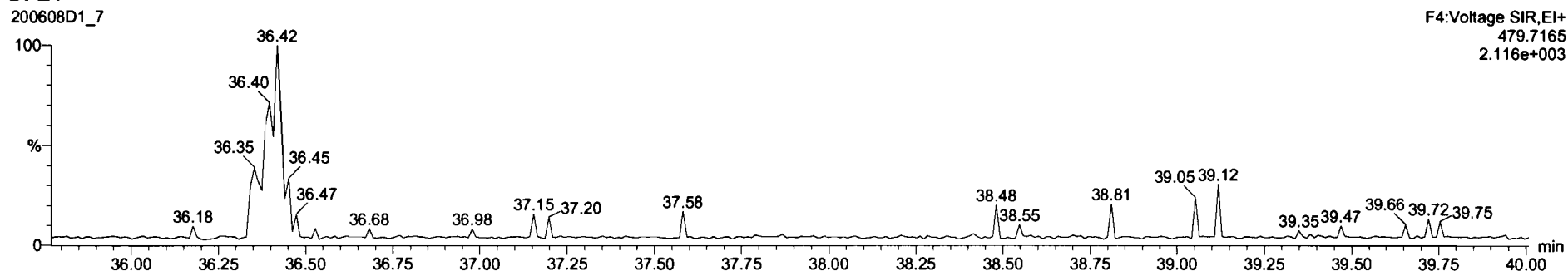
1,2,3,4,6,7,8-HpCDF



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



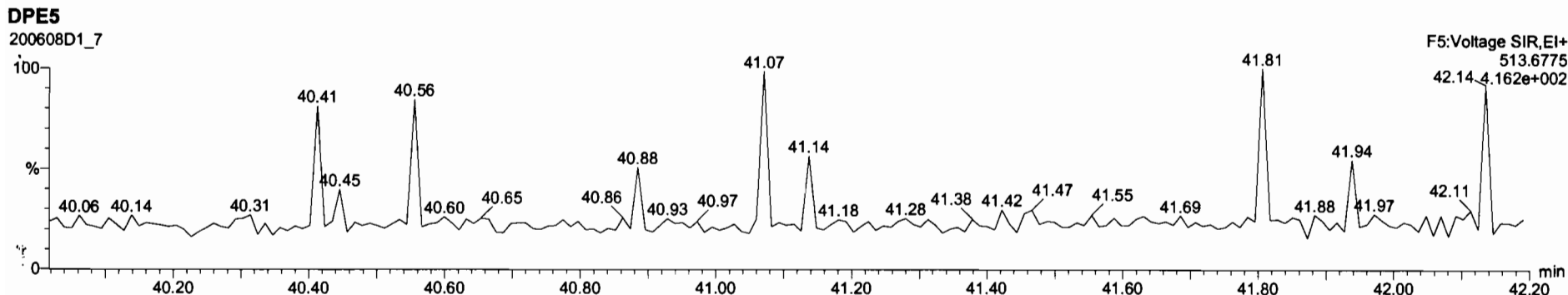
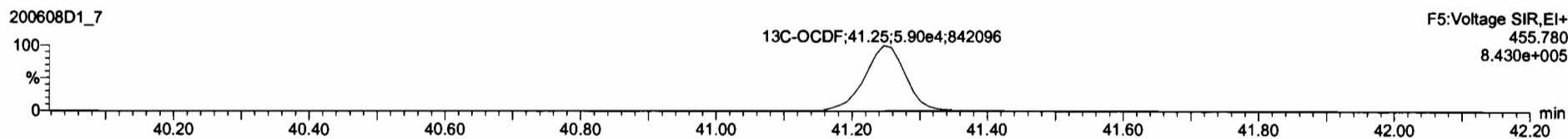
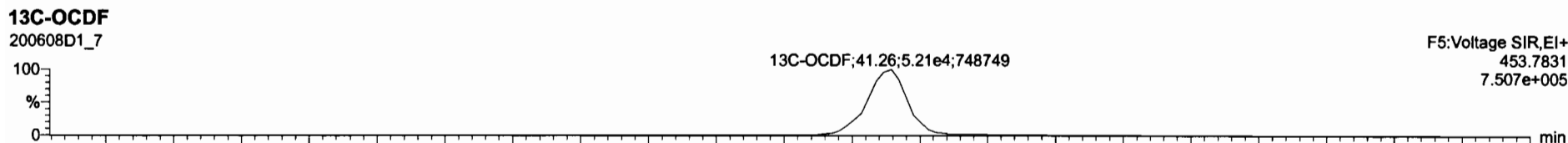
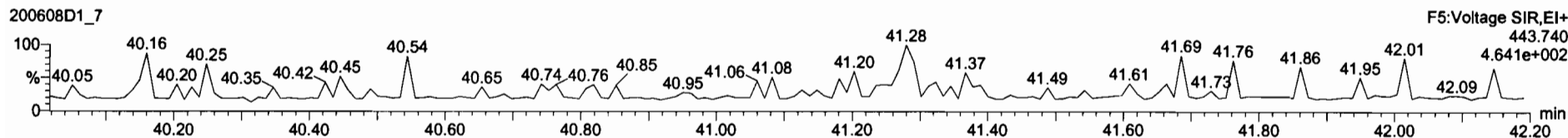
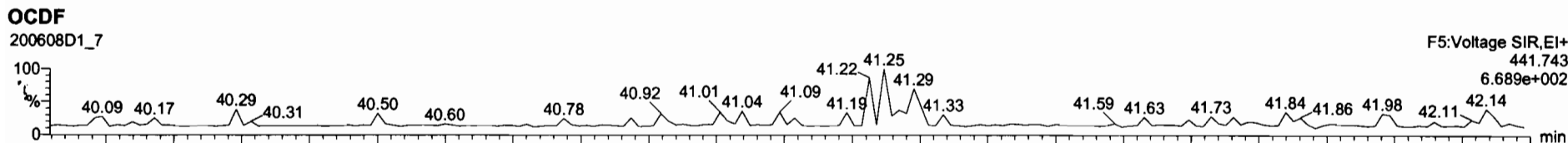
DPE4



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_7.qld

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Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

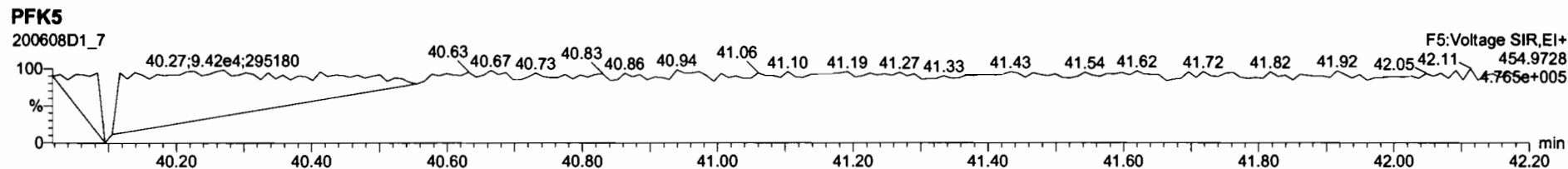
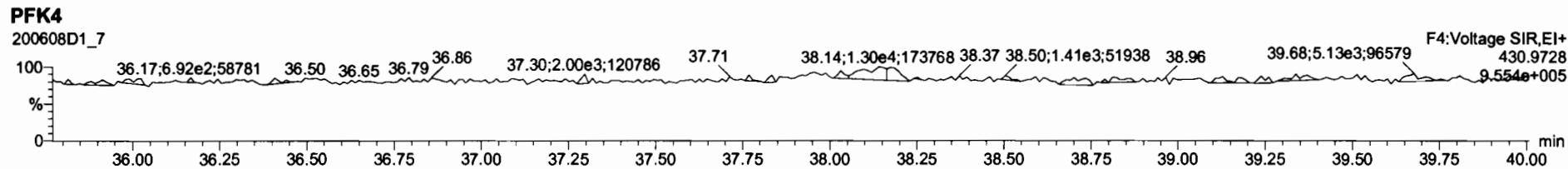
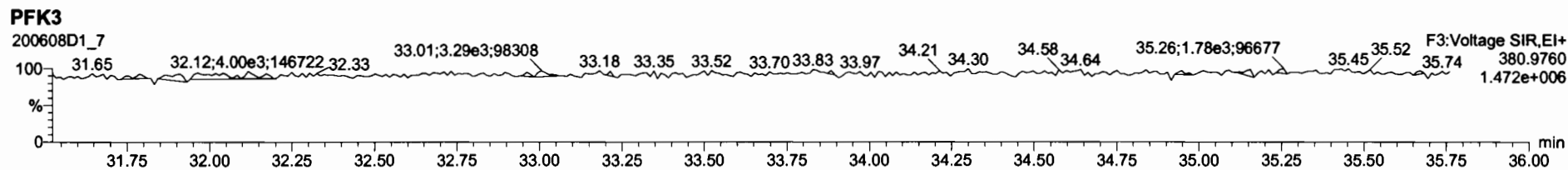
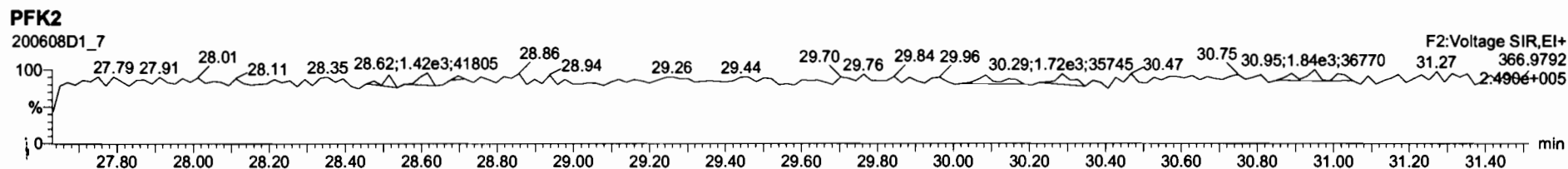
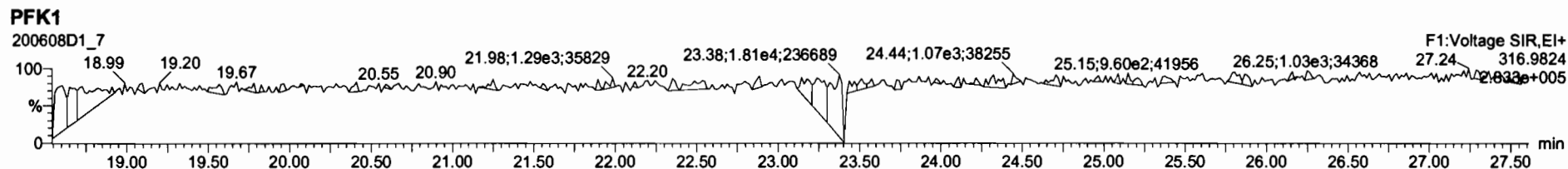
Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_7.qld

Last Altered: Tuesday, June 09, 2020 10:04:34 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 12:56:51 Pacific Daylight Time

Name: 200608D1_7, Date: 08-Jun-2020, Time: 17:31:06, ID: 2000996-16 PDI-060SC-B-04-06-200428 16.51, Description: PDI-060SC-B-04-06-200428



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

Last Altered: Tuesday, June 09, 2020 13:28:25 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:30:22 Pacific Daylight Time

DB 6/9/20 CT 02/09/2020

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

Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

	Resp	RA	n/y	RRF	(µg/L)	Peak RT	RRF						
1	2,3,7,8-TCDD		NO	0.987	10.006	26.066	1.001					0.159	
2	1,2,3,7,8-PeCDD		NO	0.982	10.006	30.629	1.001					0.254	
3	1,2,3,4,7,8-HxCDD		NO	1.17	10.006	33.916	1.000					0.202	
4	1,2,3,6,7,8-HxCDD		NO	1.04	10.006	34.005	1.000					0.210	
5	1,2,3,7,8,9-HxCDD		NO	1.00	10.006	34.346	1.001					0.221	
6	1,2,3,4,6,7,8-HpCDD	2.22e2	1.22	YES	0.992	10.006	37.790	37.81	1.000	1.001	0.82442	0.243	0.758
7	OCDD	1.27e3	0.85	NO	1.04	10.006	41.028	41.05	1.000	1.001	6.1146	0.284	6.11
8	2,3,7,8-TCDF		NO	0.882	10.006	25.280	1.001					0.162	
9	1,2,3,7,8-PeCDF		NO	1.05	10.006	29.442	1.001					0.0872	
10	2,3,4,7,8-PeCDF		NO	1.06	10.006	30.357	1.001					0.0933	
11	1,2,3,4,7,8-HxCDF		NO	1.08	10.006	33.028	1.000					0.174	
12	1,2,3,6,7,8-HxCDF		NO	1.04	10.006	33.159	1.000					0.188	
13	2,3,4,6,7,8-HxCDF		NO	1.11	10.006	33.775	1.001					0.186	
14	1,2,3,7,8,9-HxCDF		NO	1.06	10.006	34.674	1.000					0.258	
15	1,2,3,4,6,7,8-HpCDF		NO	1.13	10.006	36.544	1.001					0.0729	
16	1,2,3,4,7,8,9-HpCDF		NO	1.33	10.006	38.317	1.000					0.0768	
17	OCDF		NO	0.933	10.006	41.247	1.000					0.217	
18	13C-2,3,7,8-TCDD	7.96e4	0.77	NO	1.21	10.006	26.131	26.03	1.026	1.022	167.96	84.0	0.543
19	13C-1,2,3,7,8-PeCDD	7.07e4	0.61	NO	0.996	10.006	30.614	30.61	1.202	1.202	180.61	90.4	0.780
20	13C-1,2,3,4,7,8-HxCDD	5.83e4	1.34	NO	0.679	10.006	33.902	33.91	1.014	1.014	205.47	103	0.727
21	13C-1,2,3,6,7,8-HxCDD	6.80e4	1.32	NO	0.850	10.006	34.012	34.01	1.017	1.017	191.43	95.8	0.581
22	13C-1,2,3,7,8,9-HxCDD	6.86e4	1.29	NO	0.798	10.006	34.283	34.31	1.025	1.026	205.51	103	0.618
23	13C-1,2,3,4,6,7,8-HpCDD	5.43e4	1.05	NO	0.697	10.006	37.747	37.78	1.129	1.130	186.60	93.4	0.978
24	13C-OCDD	8.05e4	0.90	NO	0.579	10.006	40.769	41.03	1.219	1.227	332.57	83.2	0.909
25	13C-2,3,7,8-TCDF	1.06e5	0.77	NO	1.13	10.006	25.214	25.25	0.990	0.992	155.29	77.7	0.627
26	13C-1,2,3,7,8-PeCDF	1.11e5	1.61	NO	0.996	10.006	29.435	29.42	1.156	1.155	183.68	91.9	0.973
27	13C-2,3,4,7,8-PeCDF	1.07e5	1.63	NO	0.969	10.006	30.334	30.33	1.191	1.191	181.49	90.8	1.00
28	13C-1,2,3,4,7,8-HxCDF	8.58e4	0.50	NO	1.06	10.006	33.033	33.03	0.988	0.988	194.06	97.1	1.02
29	13C-1,2,3,6,7,8-HxCDF	8.77e4	0.49	NO	1.18	10.006	33.167	33.15	0.992	0.991	178.48	89.3	0.917
30	13C-2,3,4,6,7,8-HxCDF	8.33e4	0.52	NO	1.06	10.006	33.738	33.74	1.009	1.009	188.68	94.4	1.02
31	13C-1,2,3,7,8,9-HxCDF	7.39e4	0.52	NO	0.879	10.006	34.638	34.67	1.036	1.037	201.13	101	1.23

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

Last Altered: Tuesday, June 09, 2020 13:28:25 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:30:22 Pacific Daylight Time

Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

	Relp	RA	n/y	RRF	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%
32	13C-1,2,3,4,6,7,8-HpCDF	7.30e4	0.44	NO	0.893	10.006	36.343	36.51	1.087	1.092	195.83	98.0	1.01
33	13C-1,2,3,4,7,8,9-HpCDF	4.96e4	0.44	NO	0.613	10.006	38.349	38.32	1.147	1.146	193.55	96.8	1.47
34	13C-OCDF	1.01e5	0.93	NO	0.741	10.006	40.923	41.25	1.224	1.234	325.93	81.5	0.894
35	37Cl-2,3,7,8-TCDD	2.99e4			1.18	10.006	26.129	26.07	1.026	1.023	64.441	80.6	0.115
36	13C-1,2,3,4-TCDD	7.85e4	0.82	NO	1.00	10.006	25.480	25.47	1.000	1.000	199.88	100	0.655
37	13C-1,2,3,4-TCDF	1.22e5	0.77	NO	1.00	10.006	24.020	24.00	1.000	1.000	199.88	100	0.706
38	13C-1,2,3,4,6,9-HxCDF	8.35e4	0.51	NO	1.00	10.006	33.530	33.43	1.000	1.000	199.88	100	1.08
39	Total Tetra-Dioxins				0.987	10.006	24.620		0.000				0.0935
40	Total Penta-Dioxins				0.982	10.006	29.960		0.000		0.00000		0.173 0.135
41	Total Hexa-Dioxins				1.04	10.006	33.635		0.000		0.74968		0.217 0.750
42	Total Hepta-Dioxins				0.992	10.006	37.640		0.000		0.00000		0.119 2.06
43	Total Tetra-Furans				0.882	10.006	23.610		0.000		0.37306		0.0598 0.745
44	1st Func. Penta-Furans				1.05	10.006	27.090		0.000				0.0147
45	Total Penta-Furans				1.05	10.006	29.275		0.000				0.0420
46	Total Hexa-Furans				1.11	10.006	33.555		0.000				0.113
47	Total Hepta-Furans				1.13	10.006	37.835		0.000				0.0371

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

Last Altered: Tuesday, June 09, 2020 13:28:25 Pacific Daylight Time
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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
 Calibration: U:\VG7.PRO\CurveDB\ldb-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

Tetra-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Y/N	Int	Int	Int	Int
Total Tetra-Dioxins	29.00	5.970e2	5.810e2	3.021e1	2.874e1	1.05	YES	0.000e0	0.00000	0.13491	0.173

Penta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Y/N	Int	Int	Int	Int
Total Penta-Dioxins	29.00	5.970e2	5.810e2	3.021e1	2.874e1	1.05	YES	0.000e0	0.00000	0.13491	0.173

Hexa-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Y/N	Int	Int	Int	Int
Total Hexa-Dioxins	32.39	3.387e3	2.651e3	1.333e2	1.191e2	1.12	NO	2.524e2	0.74968	0.74968	0.217

Hepta-Dioxins

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Y/N	Int	Int	Int	Int
Total Hepta-Dioxins	36.92	3.802e3	2.297e3	2.125e2	1.720e2	1.24	YES	0.000e0	0.00000	1.3013	0.243
1,2,3,4,6,7,8-HpCDD	37.81	1.945e3	1.720e3	1.220e2	1.002e2	1.22	YES	2.223e2	0.00000	0.75839	0.243

Tetra-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Y/N	Int	Int	Int	Int
Total Tetra-Furans	20.44	8.410e2	1.584e3	7.349e1	1.017e2	0.72	NO	1.752e2	0.37306	0.37306	0.0598
Total Tetra-Furans	21.62	1.148e3	2.056e3	7.592e1	1.337e2	0.57	YES	0.000e0	0.00000	0.37162	0.0598

Penta-Furans function 1

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	Y/N	Int	Int	Int	Int
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Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

Last Altered: Tuesday, June 09, 2020 13:28:25 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 13:30:22 Pacific Daylight Time

Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

Penta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	U/y	Resp	Obs	EMPC	DL
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Hexa-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	U/y	Resp	Obs	EMPC	DL
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Hepta-Furans

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	U/y	Resp	Obs	EMPC	DL
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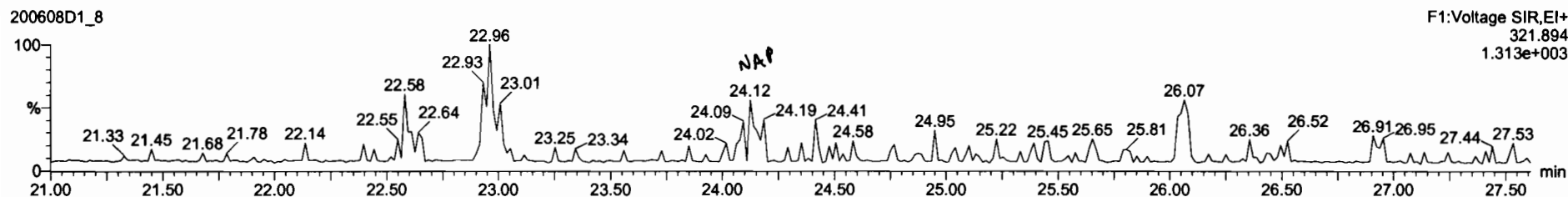
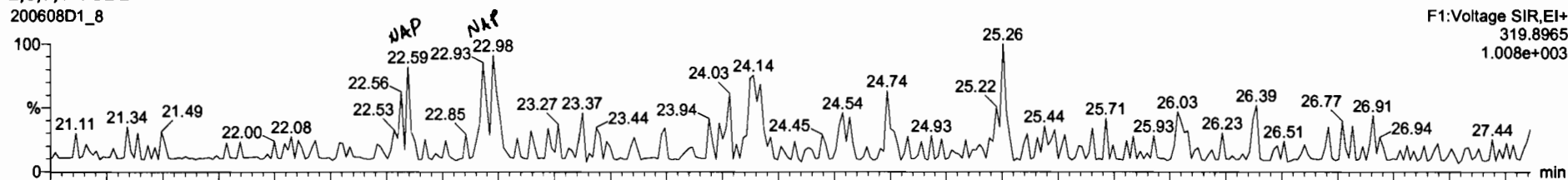
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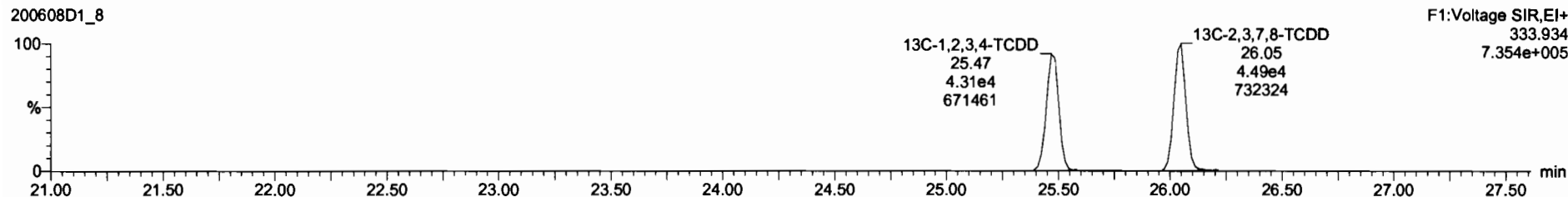
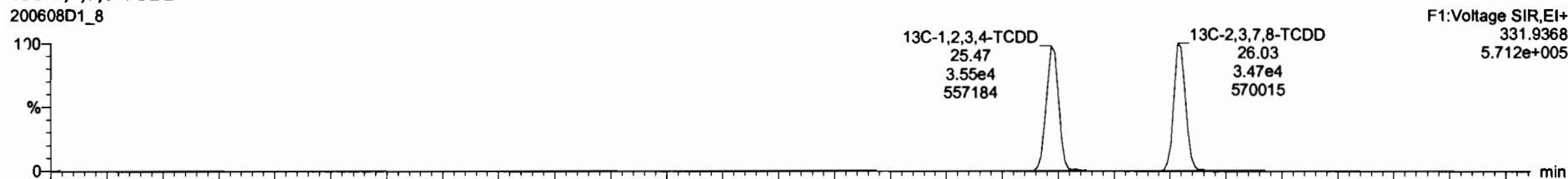
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Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

2,3,7,8-TCDD



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



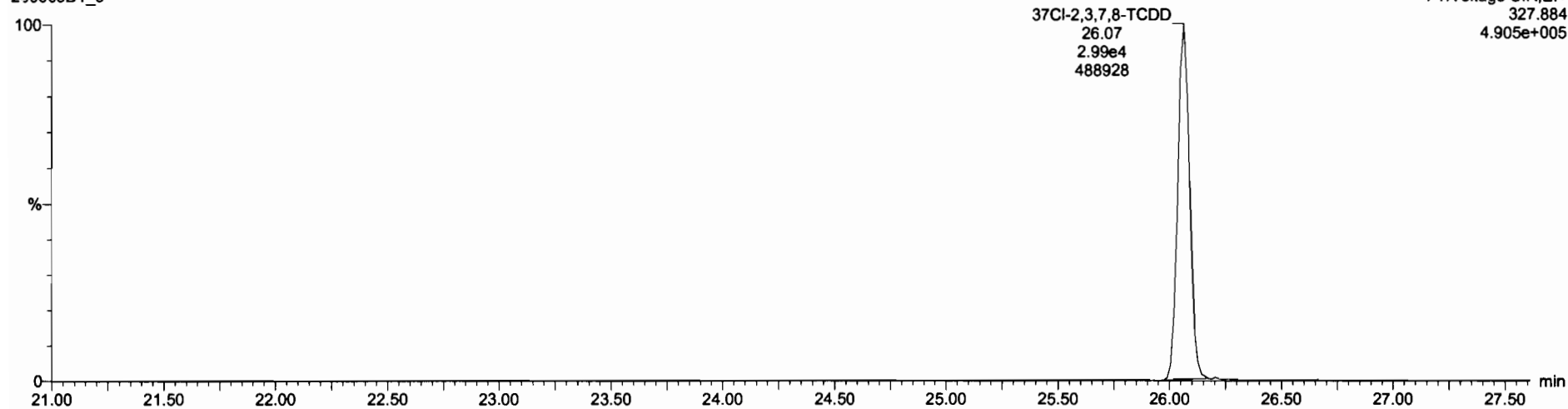
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Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

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

200608D1_8

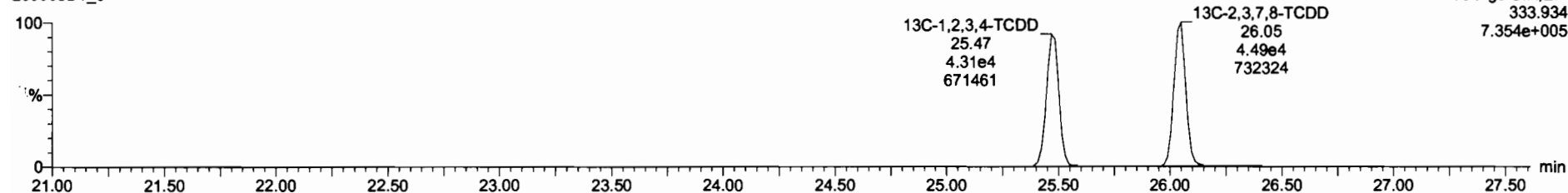


13C-1,2,3,4-TCDD

200608D1_8



200608D1_8



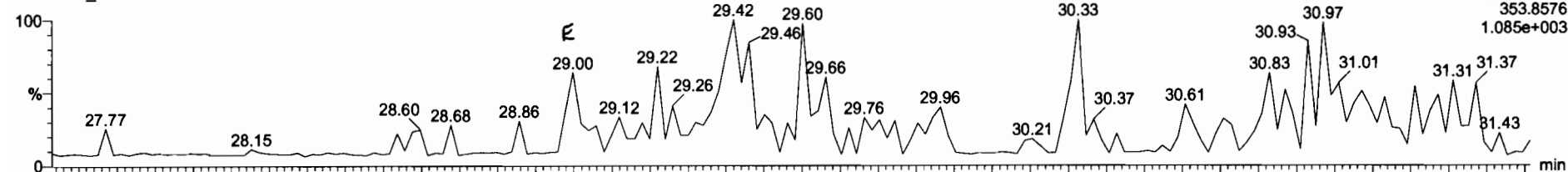
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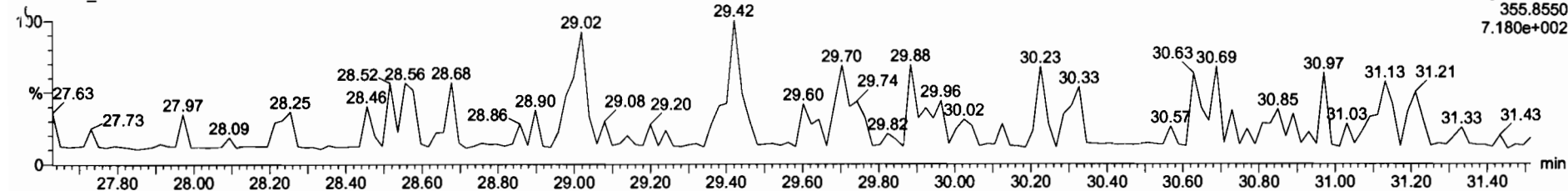
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1,2,3,7,8-PeCDD

200608D1_8

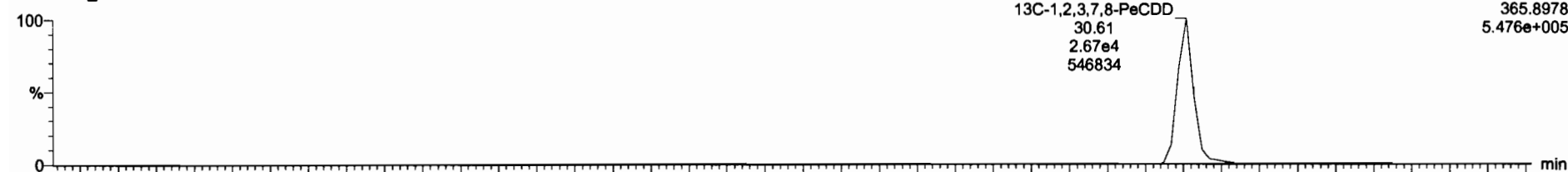


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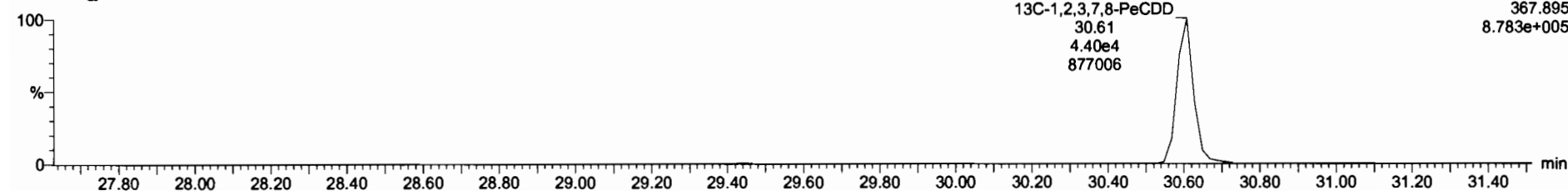


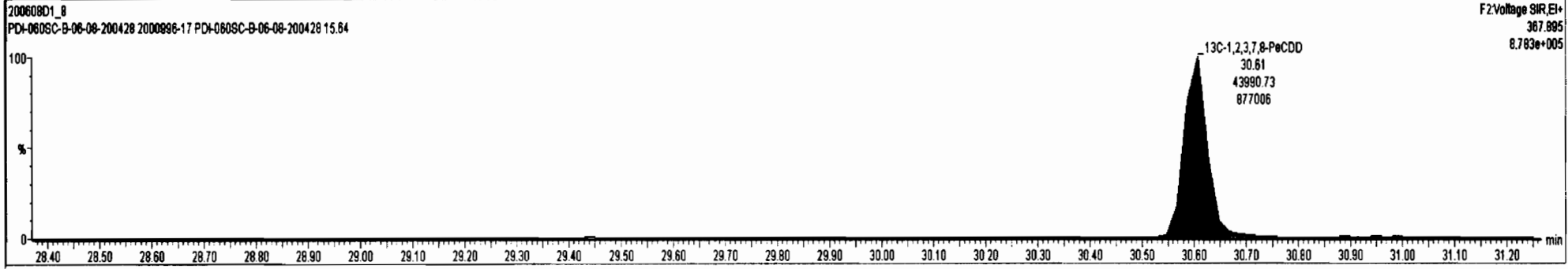
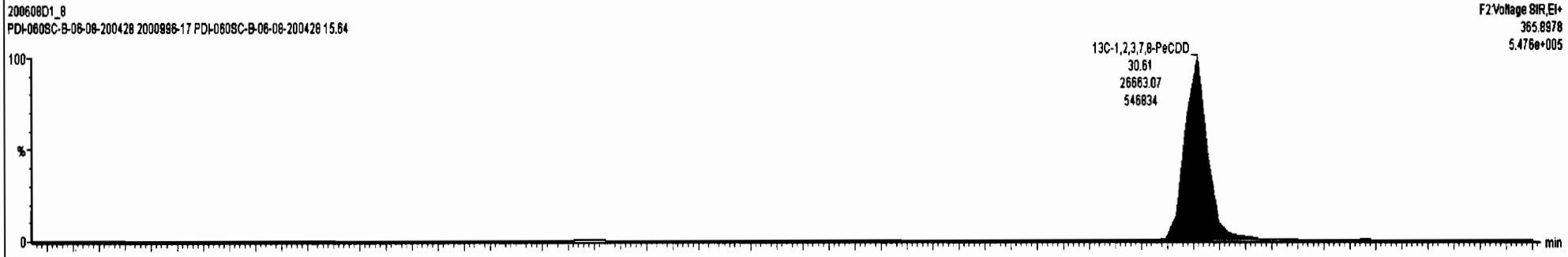
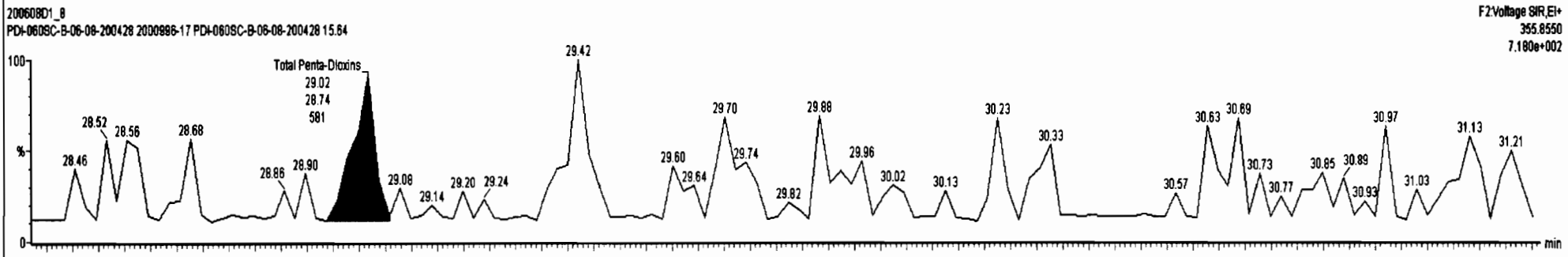
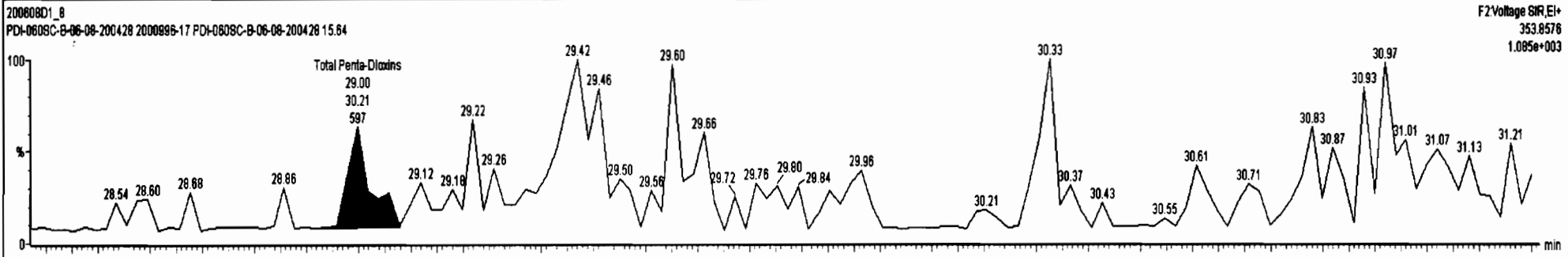
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200608D1_8



200608D1_8



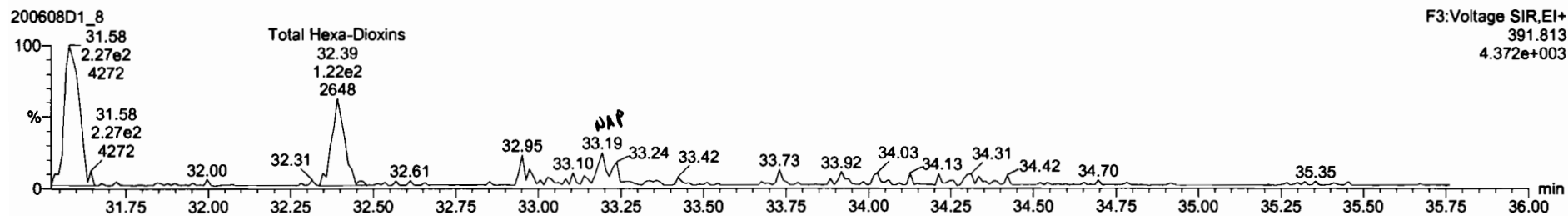
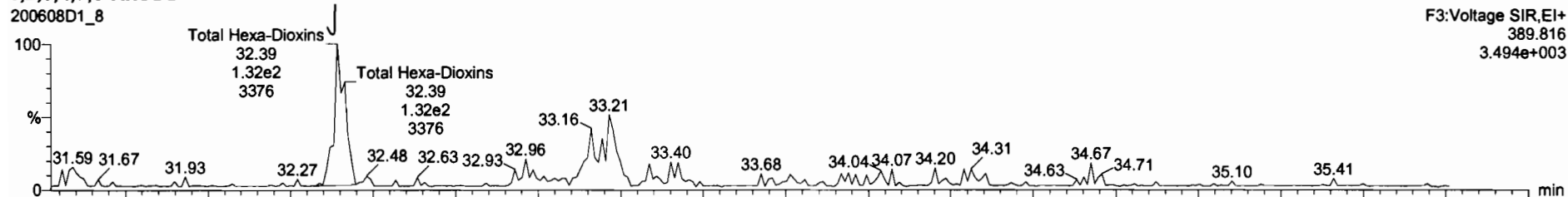


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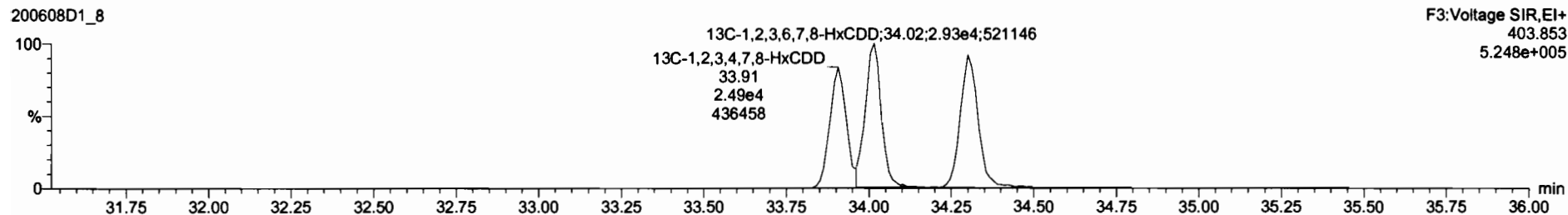
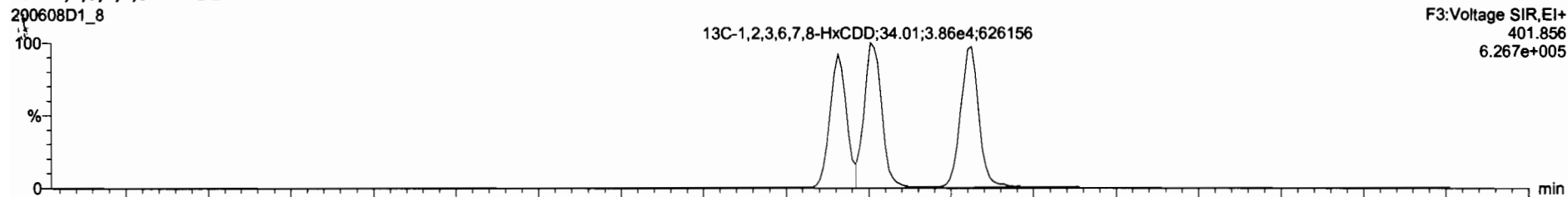
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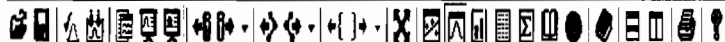
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1,2,3,4,7,8-HxCDD



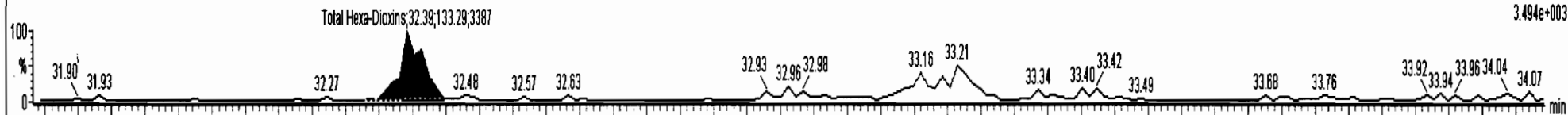
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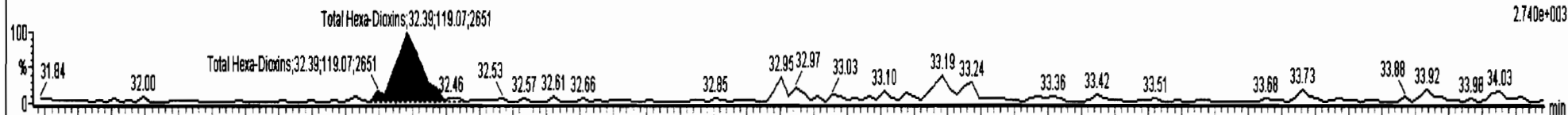


20060801_8

20060801_8
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F3:Voltage SIR,EI+
389.815
3.494e+003



20060801_8
PDI-060SC-B-06-08-200428 2000996-17 PDI-060SC-B-06-08-200428 15.64
F3:Voltage SIR,EI+
391.813
2.740e+003



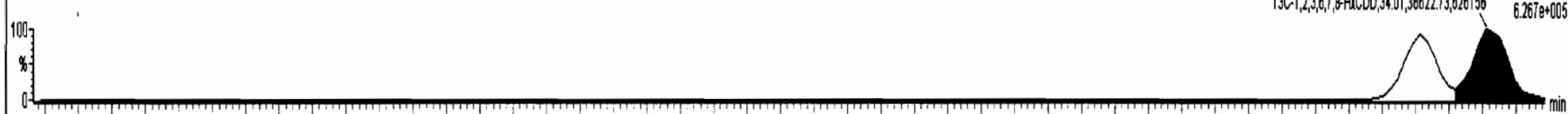
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F3:Voltage SIR,EI+
401.856
6.267e+005



20060801_8
PDI-060SC-B-06-08-200428 2000996-17 PDI-060SC-B-06-08-200428 15.64
F3:Voltage SIR,EI+
403.853
5.248e+005



20060801_8
PDI-060SC-B-06-08-200428 2000996-17 PDI-060SC-B-06-08-200428 15.64
F3:Voltage SIR,EI+
401.856
6.267e+005



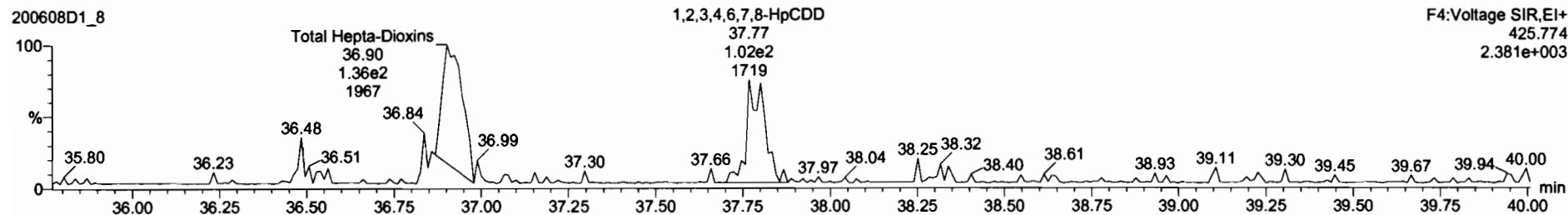
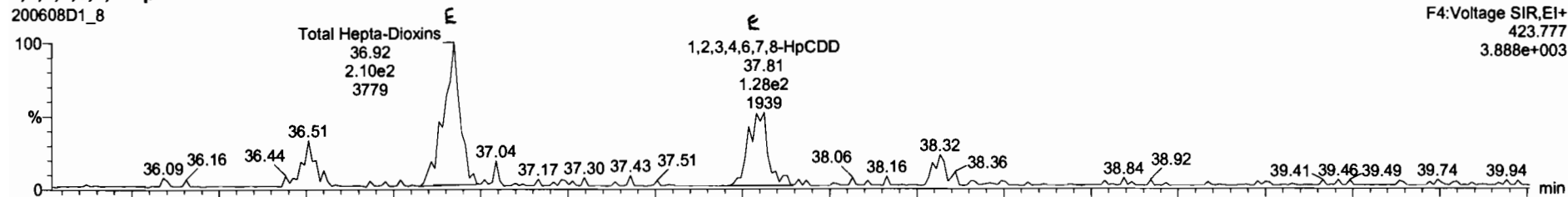
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Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

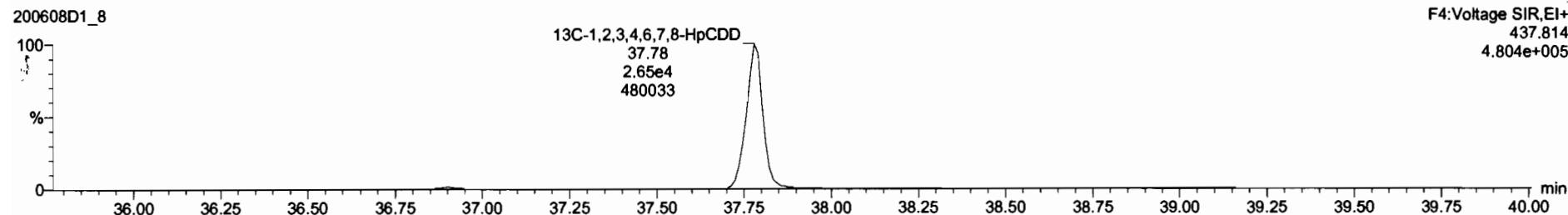
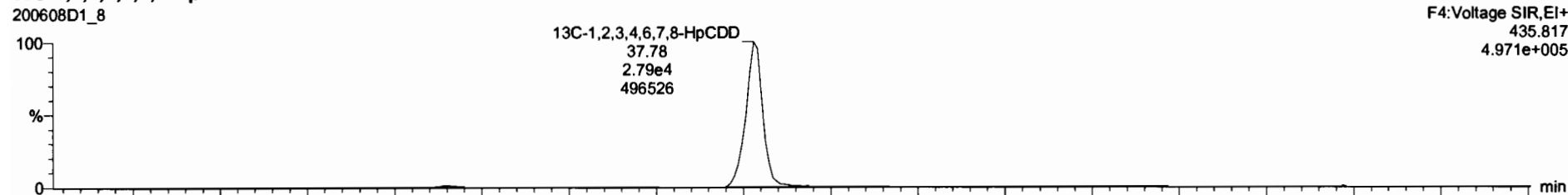
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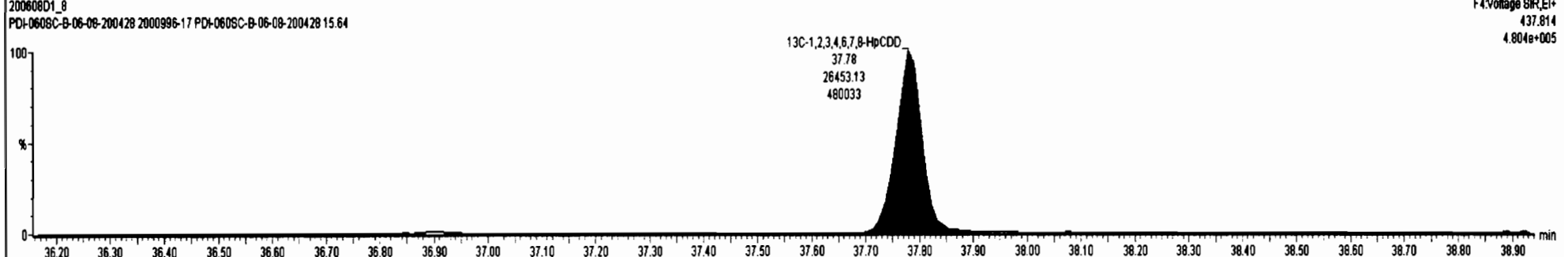
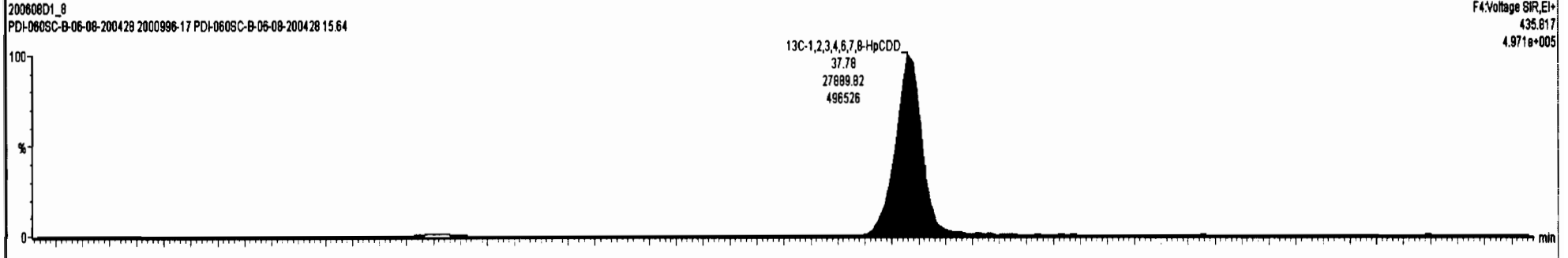
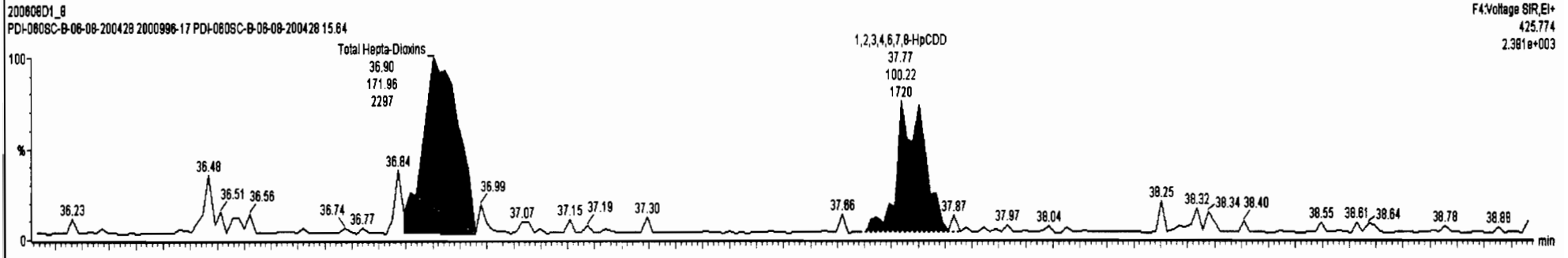
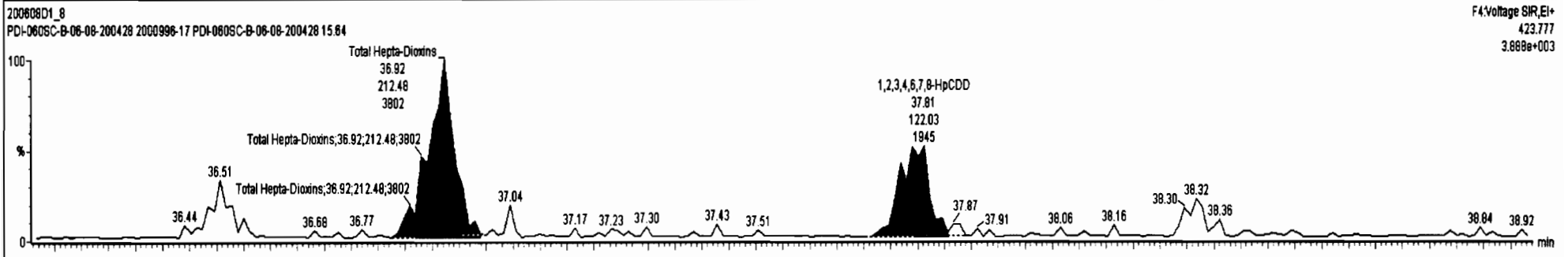
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1,2,3,4,6,7,8-HpCDD



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

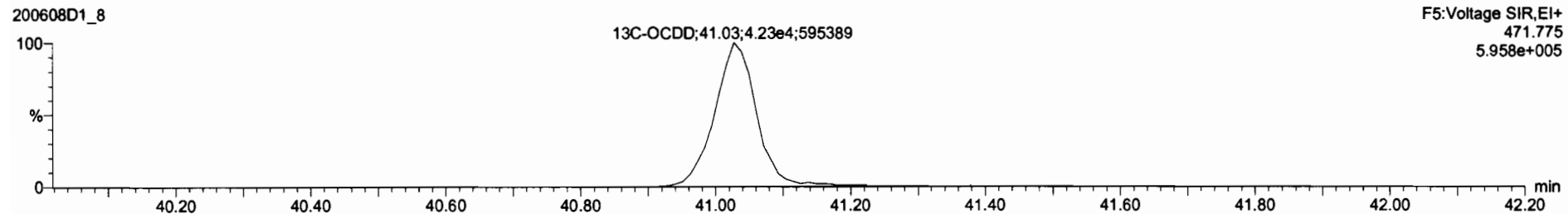
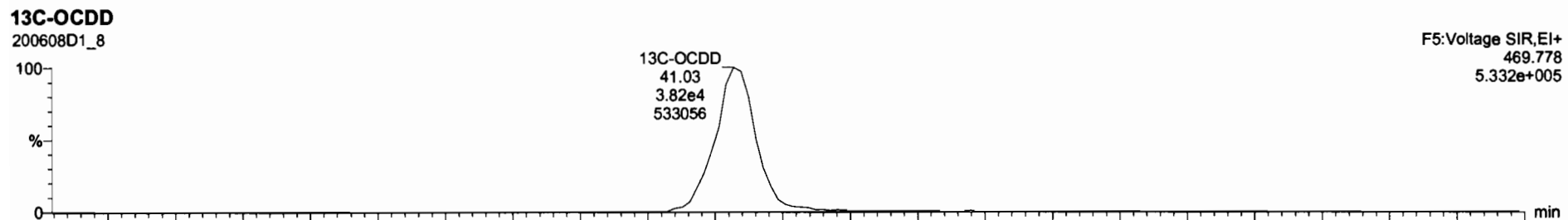
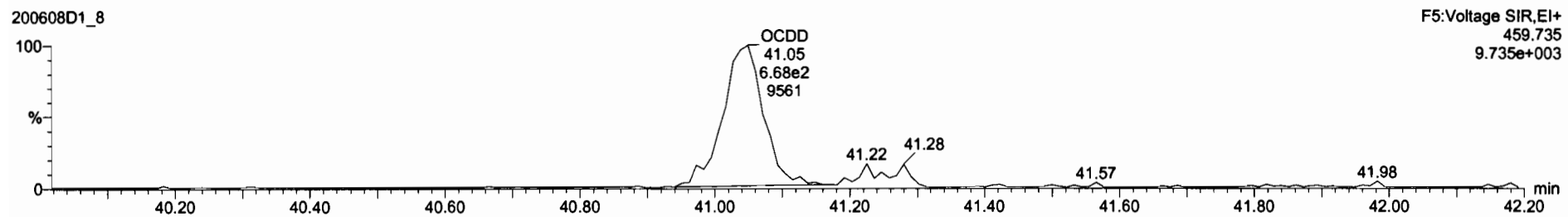
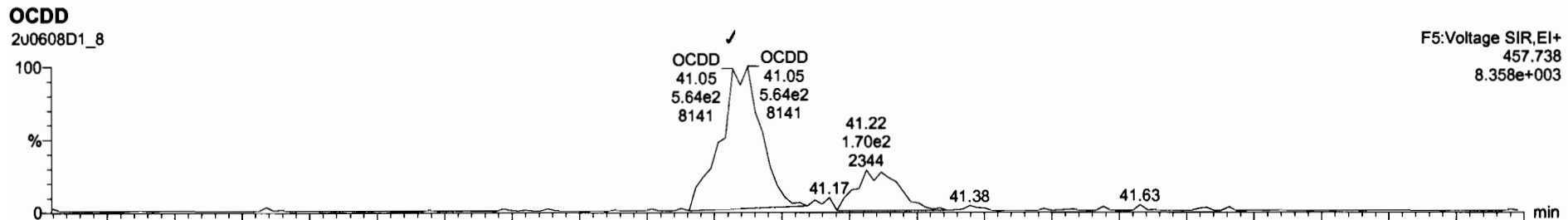


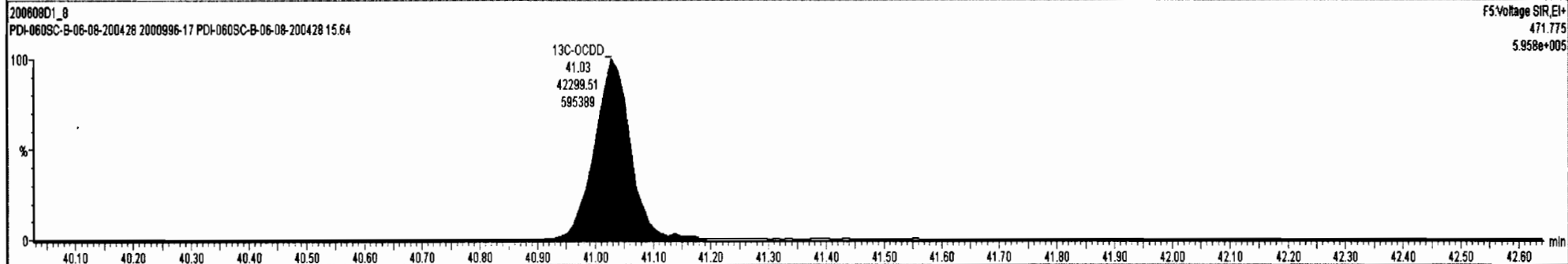
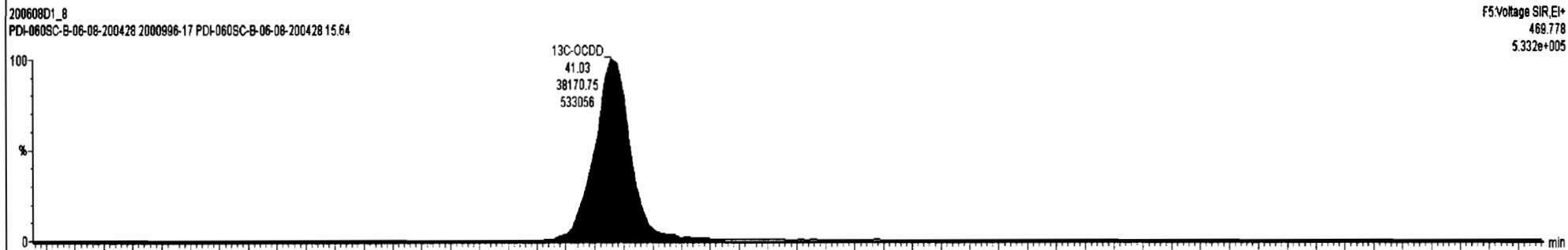
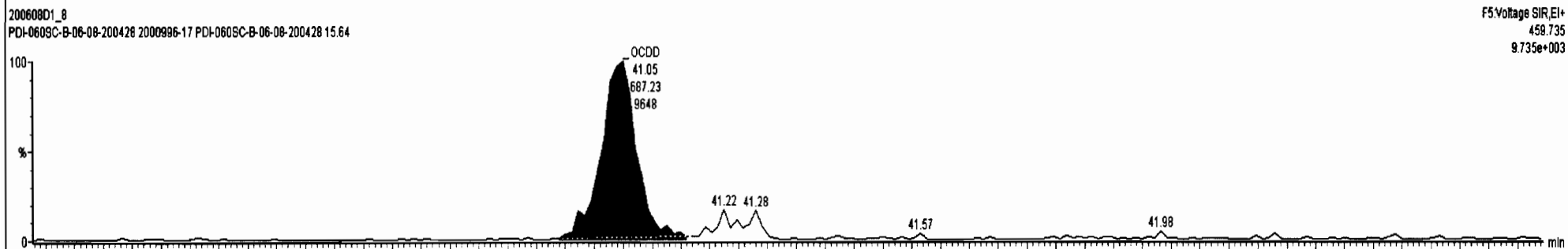
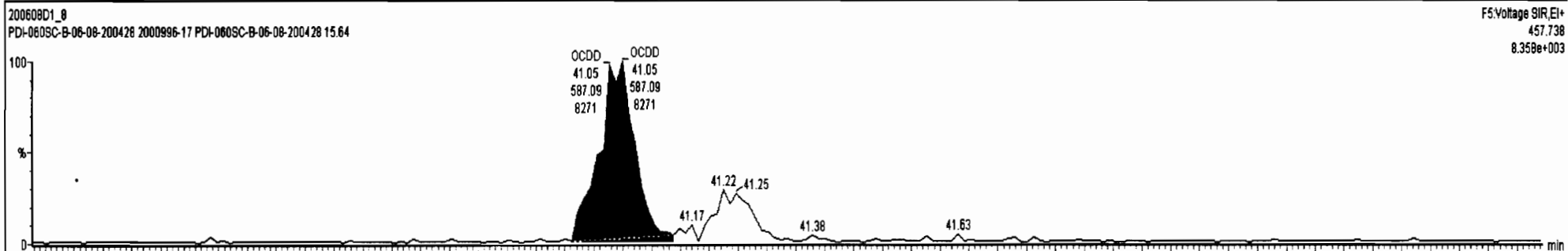
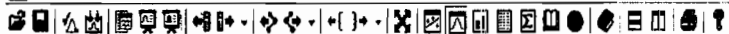


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Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428



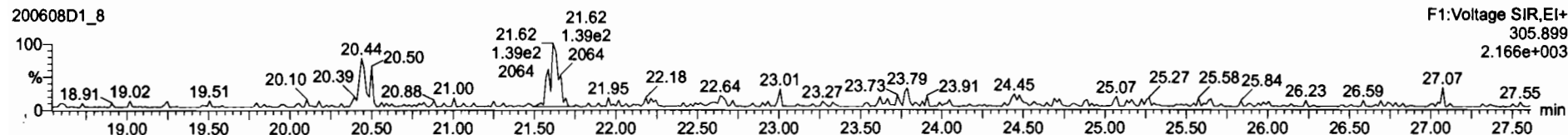
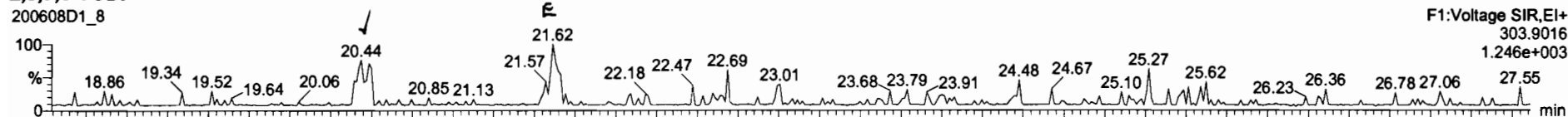


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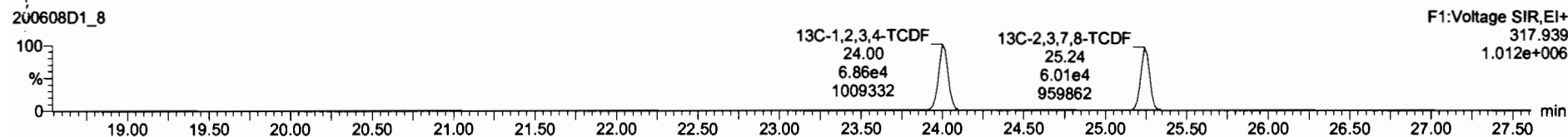
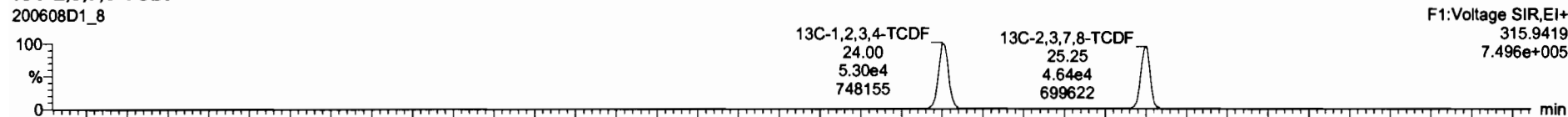
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Printed: Tuesday, June 09, 2020 13:20:00 Pacific Daylight Time

Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

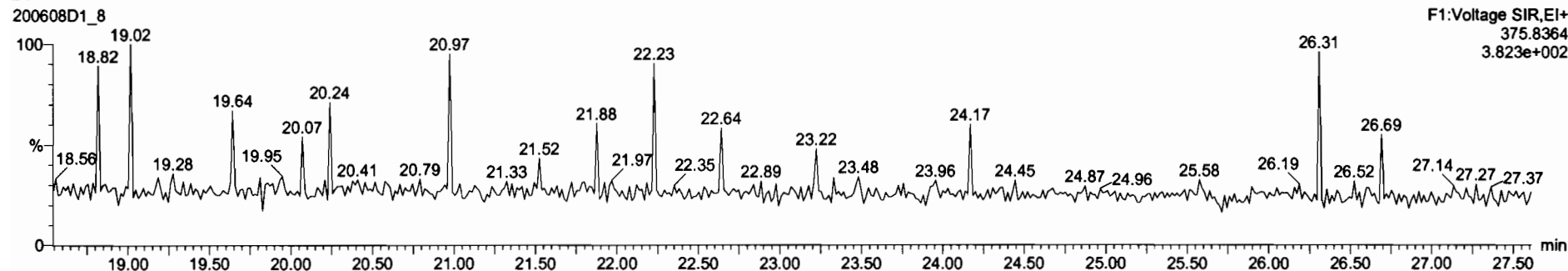
2,3,7,8-TCDF

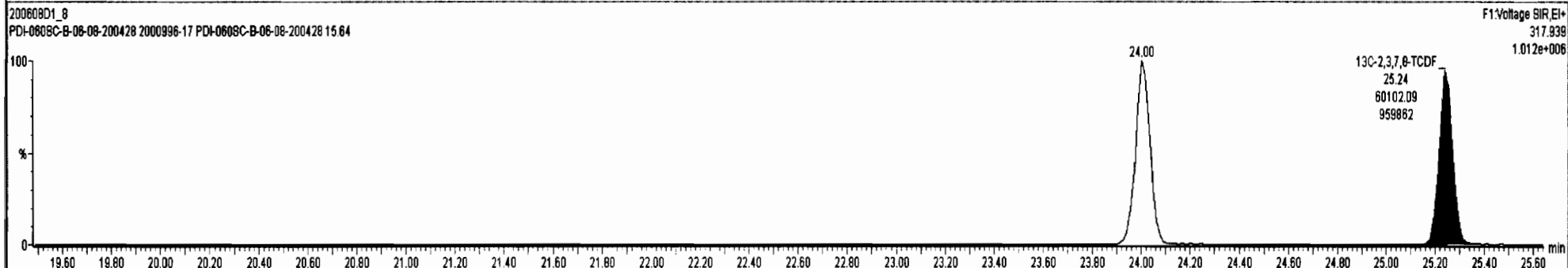
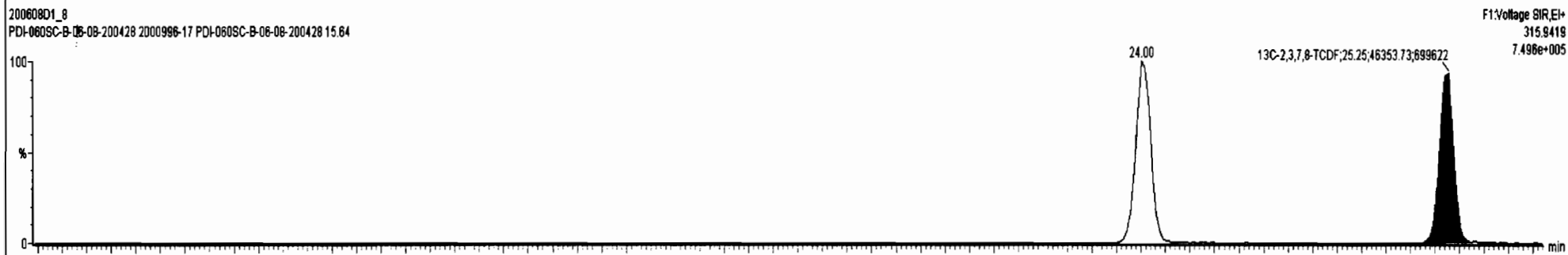
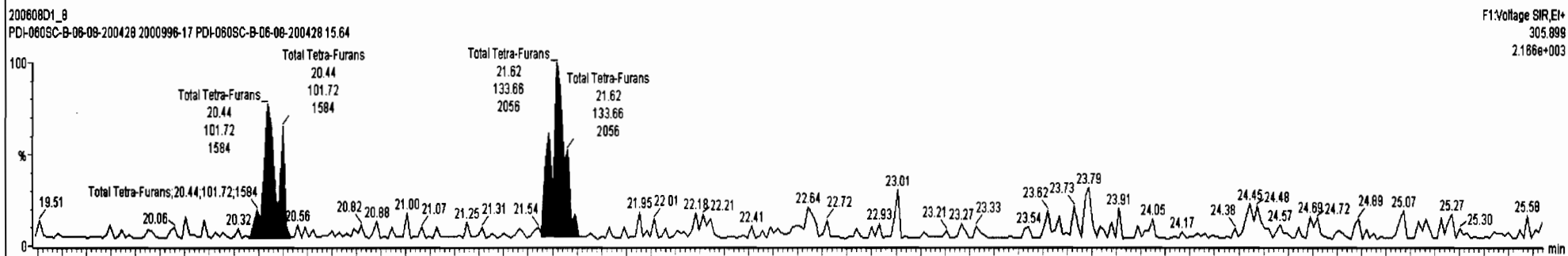
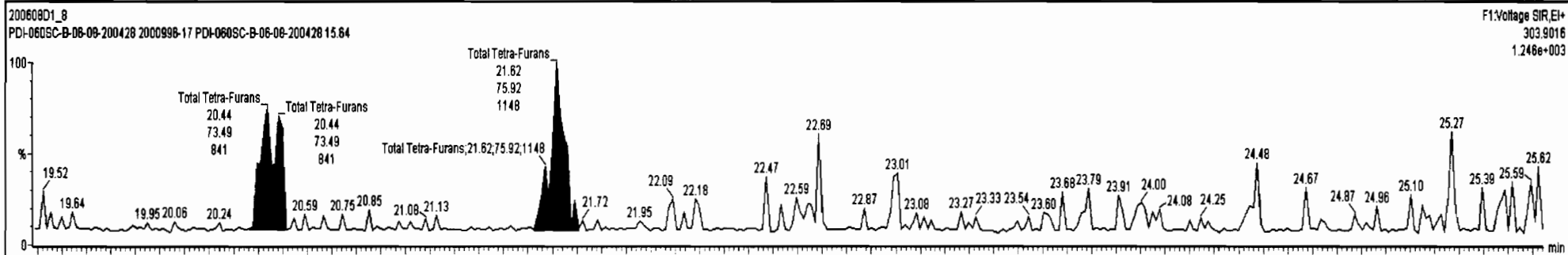
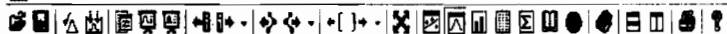


13C-2,3,7,8-TCDF



DPE1





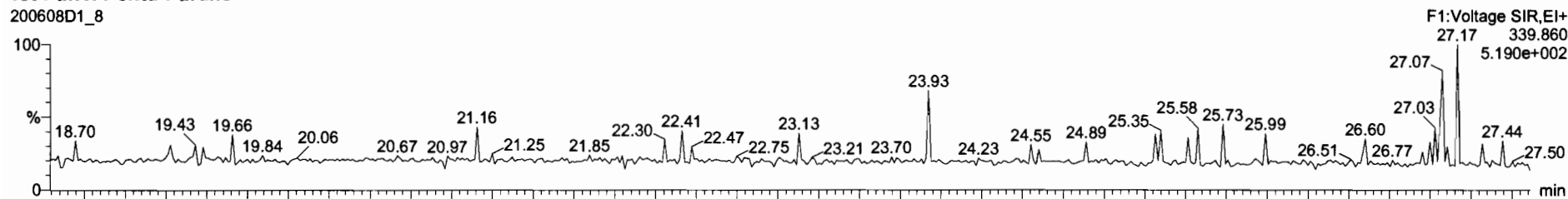
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

Last Altered: Tuesday, June 09, 2020 10:05:39 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:20:00 Pacific Daylight Time

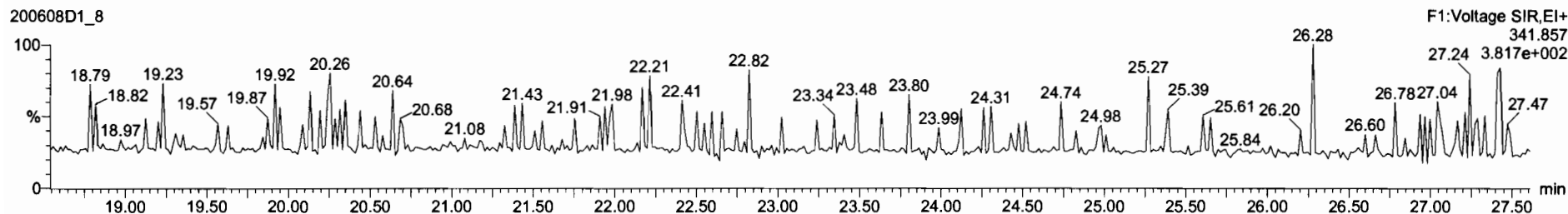
Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

1st Func. Penta-Furans

200608D1_8

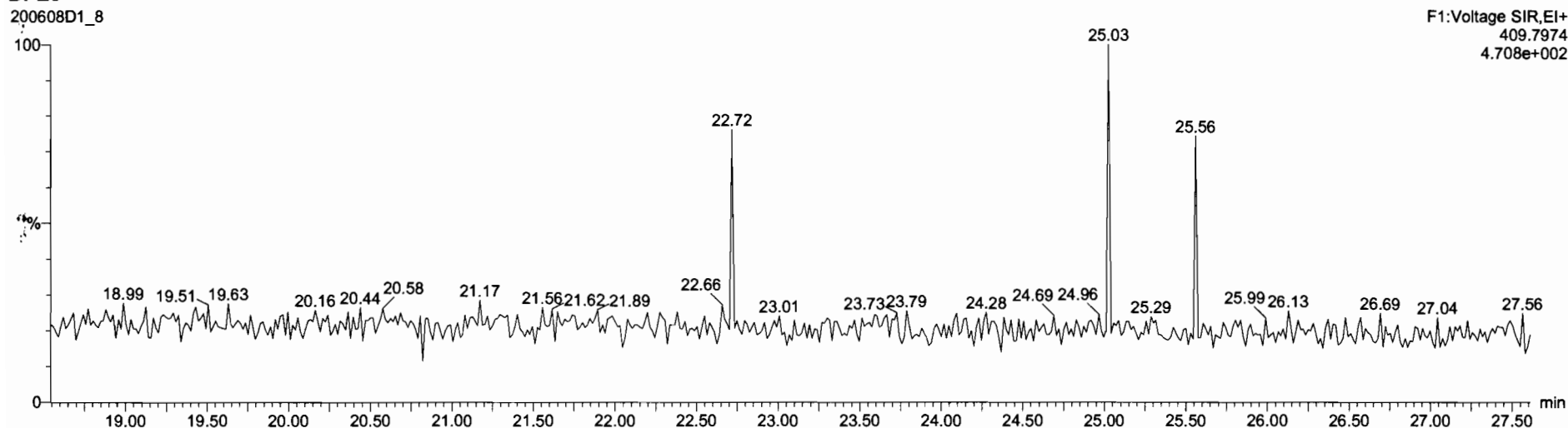


200608D1_8



DPE6

200608D1_8

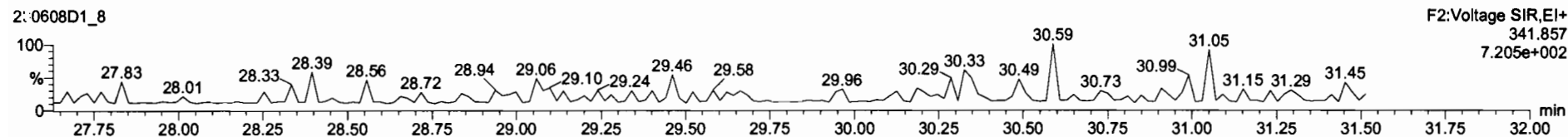
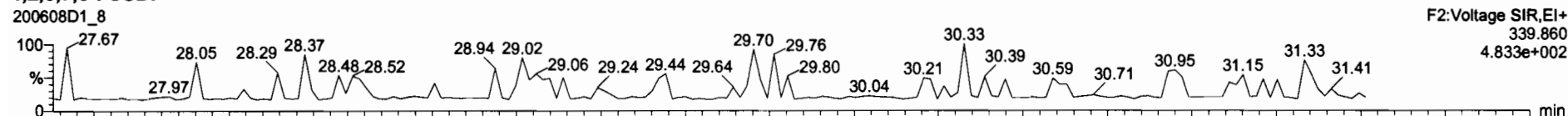


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

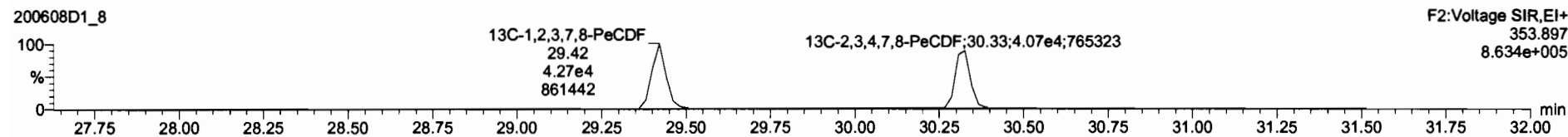
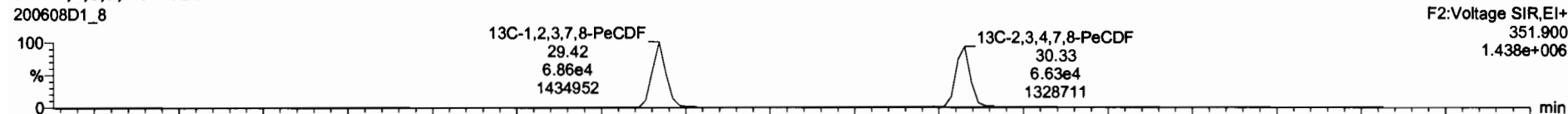
Last Altered: Tuesday, June 09, 2020 10:05:39 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:20:00 Pacific Daylight Time

Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

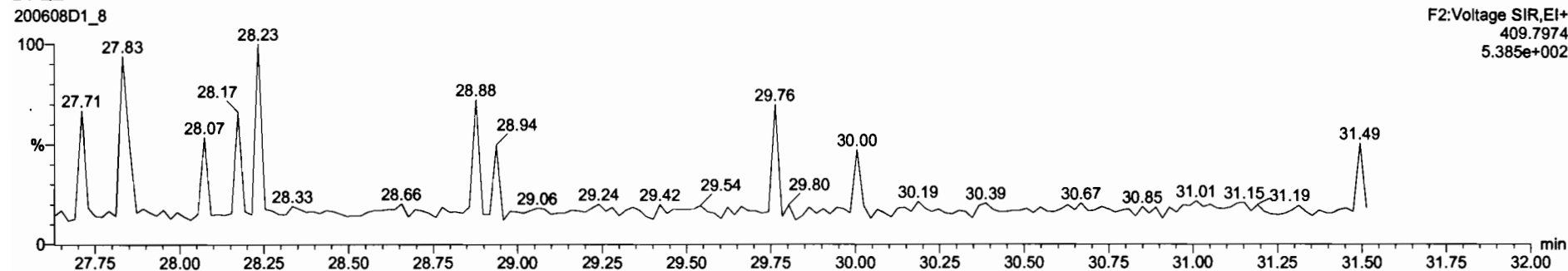
1,2,3,7,8-PeCDF



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



DPE2



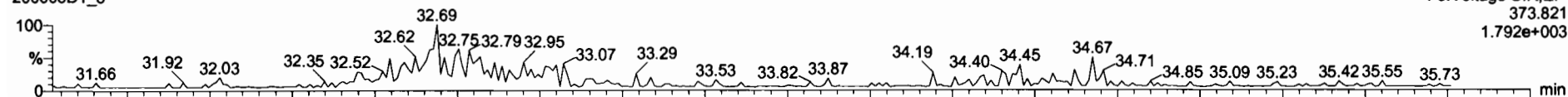
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

Last Altered: Tuesday, June 09, 2020 10:05:39 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:20:00 Pacific Daylight Time

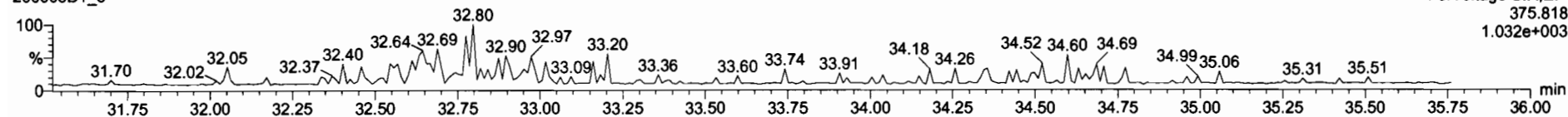
Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

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

200608D1_8

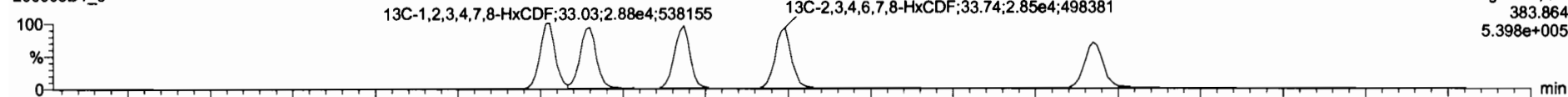


200608D1_8

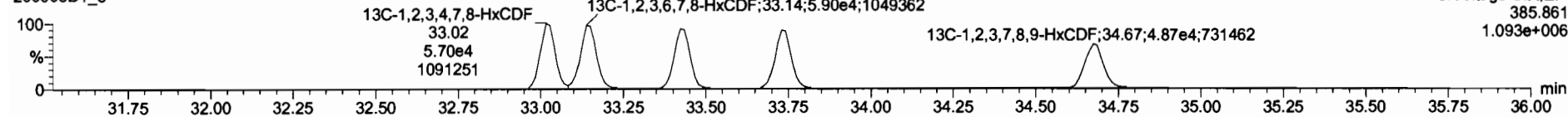


13C-1,2,3,4,7,8-HxCDF

200608D1_8

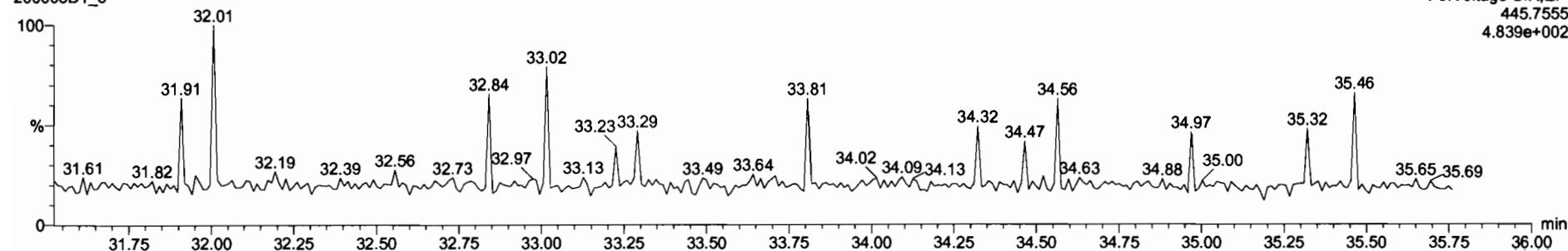


200608D1_8



DPE3

200608D1_8



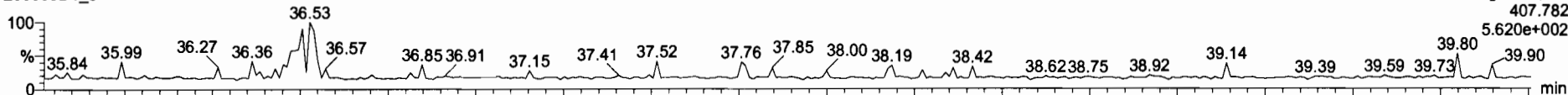
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

Last Altered: Tuesday, June 09, 2020 10:05:39 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:20:00 Pacific Daylight Time

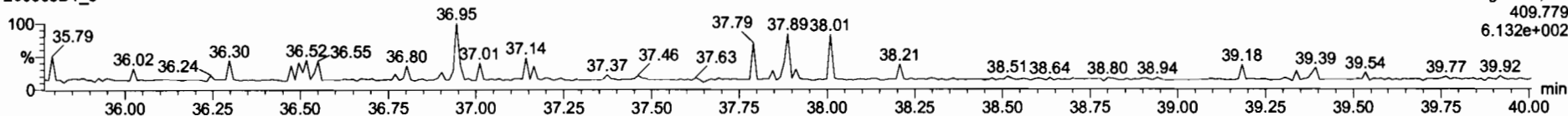
Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428

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

200608D1_8

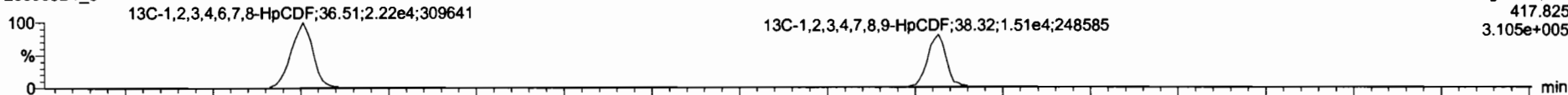


200608D1_8

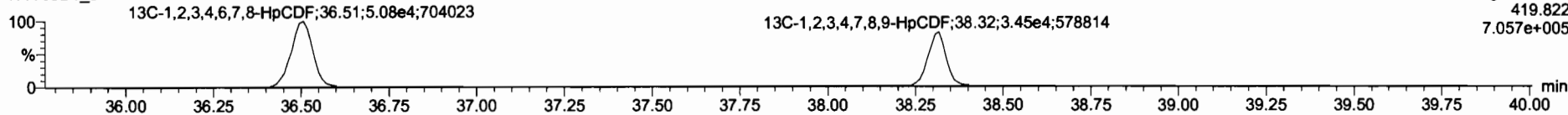


13C-1,2,3,4,6,7,8-HpCDF

200608D1_8

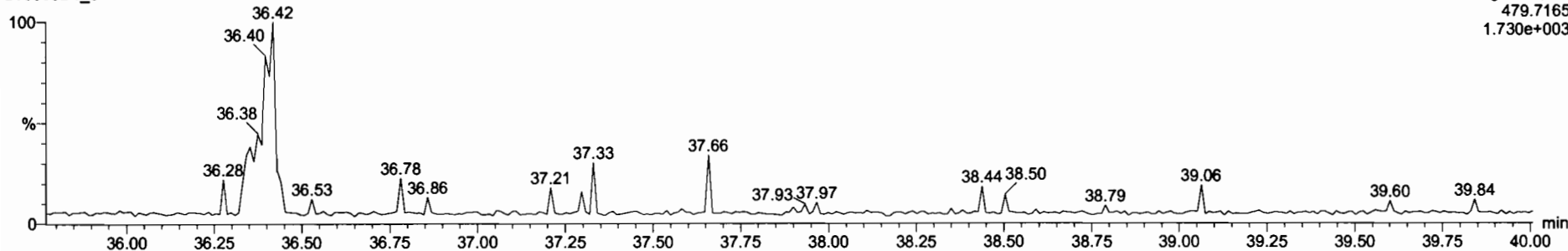


200608D1_8



DPE4

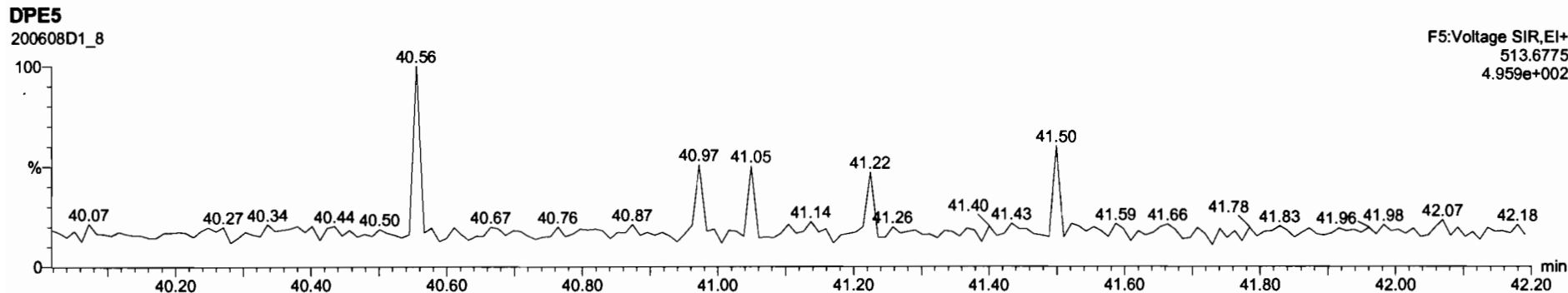
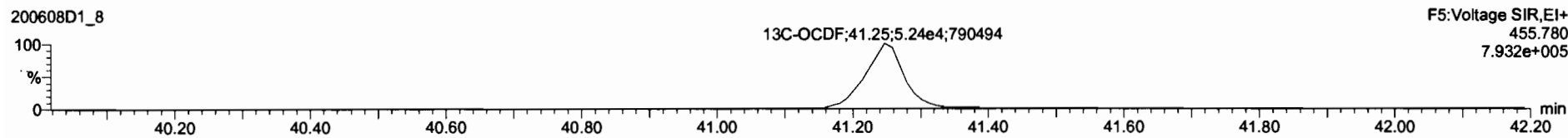
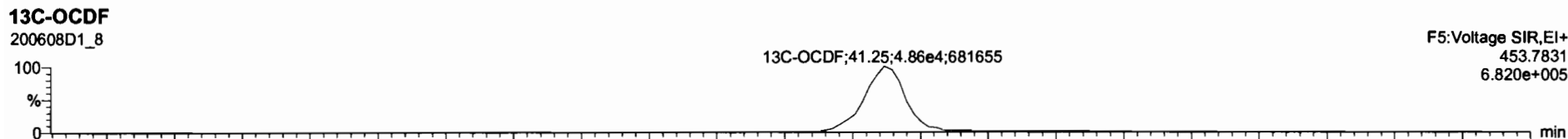
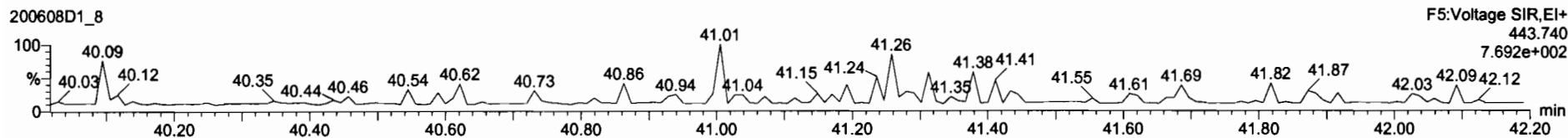
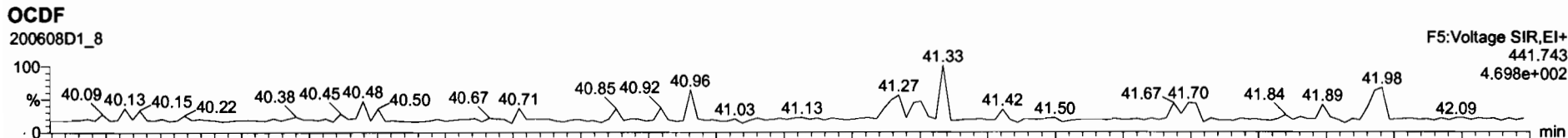
200608D1_8



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

Last Altered: Tuesday, June 09, 2020 10:05:39 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:20:00 Pacific Daylight Time

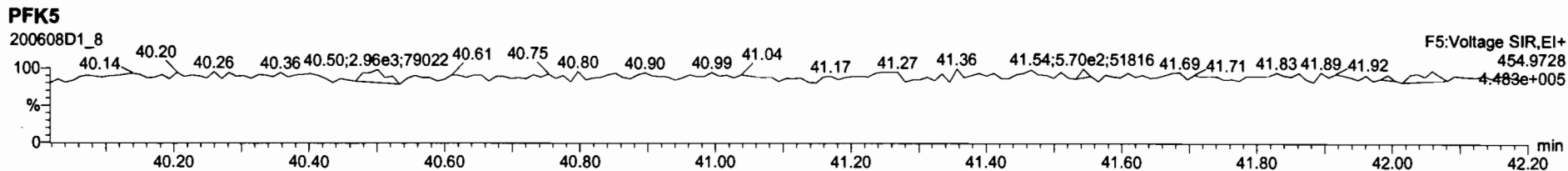
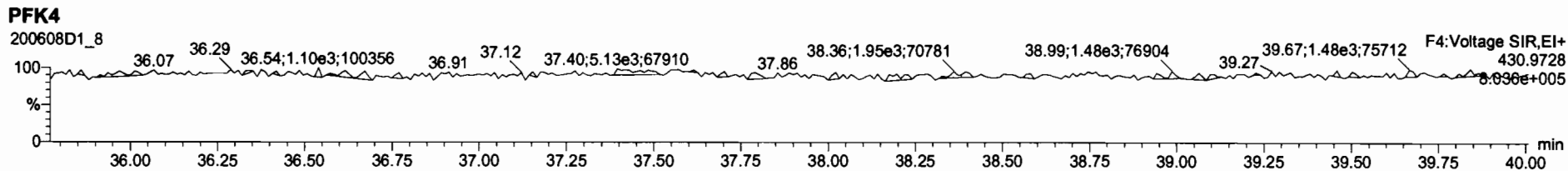
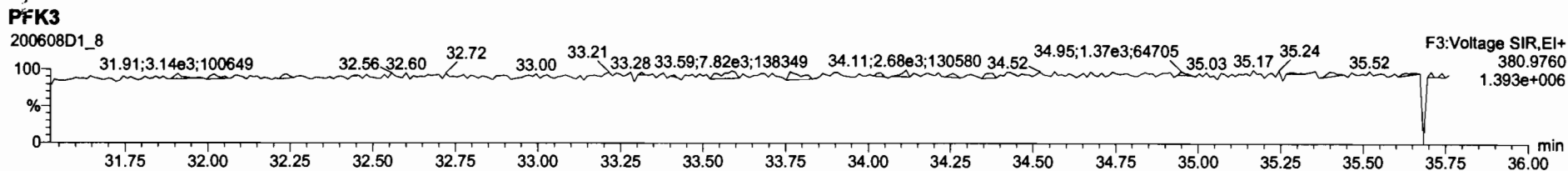
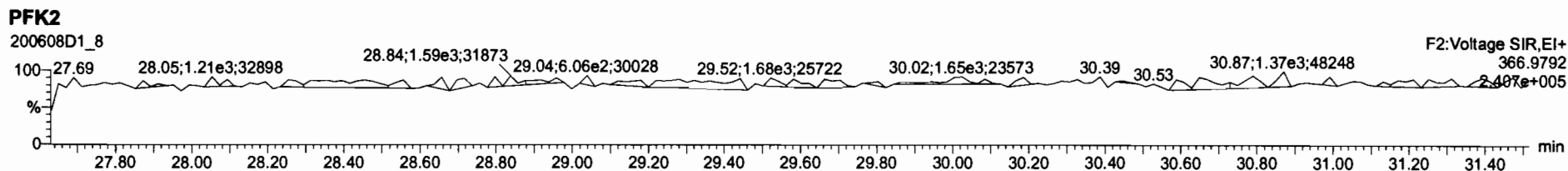
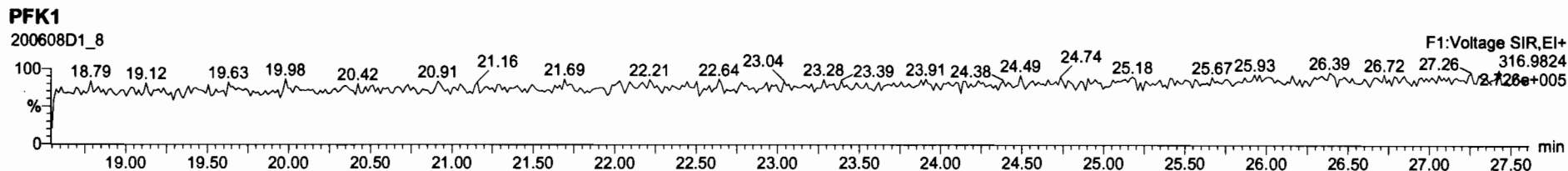
Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_8.qld

Last Altered: Tuesday, June 09, 2020 10:05:39 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 13:20:00 Pacific Daylight Time

Name: 200608D1_8, Date: 08-Jun-2020, Time: 18:16:13, ID: 2000996-17 PDI-060SC-B-06-08-200428 15.64, Description: PDI-060SC-B-06-08-200428



CONFIRMATION

Dataset: U:\VG7.PRO\Results\200611D1\200611D1_4.qld

Last Altered: Thursday, June 11, 2020 13:33:33 Pacific Daylight Time

Printed: Thursday, June 11, 2020 13:34:03 Pacific Daylight Time

DB 6/11/20 CT 07/02/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_4, Date: 11-Jun-2020, Time: 12:50:03, ID: 2000996-04RE1 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428

1	2,3,7,8-TCDF	1.28e2	0.88	NO	0.982	10.013	17.771	17.80	1.000	1.003	53.979	36.3	54.0
2	13C-2,3,7,8-TCDF	4.83e2	0.68	NO	1.08	10.013	17.898	17.75	1.133	1.128	42.622	21.3	23.0
3	13C-1,2,3,4-TCDF	2.09e3	0.72	NO	1.00	10.013	15.660	15.74	1.000	1.000	199.74	100	24.9

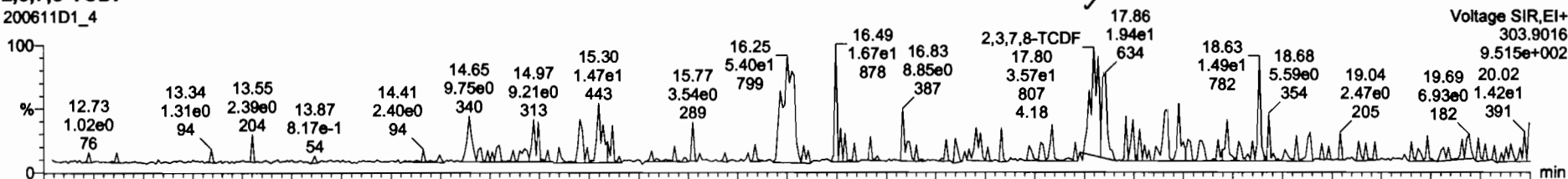
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_4.qld

Last Altered: Thursday, June 11, 2020 13:26:58 Pacific Daylight Time
Printed: Thursday, June 11, 2020 13:28:29 Pacific Daylight Time

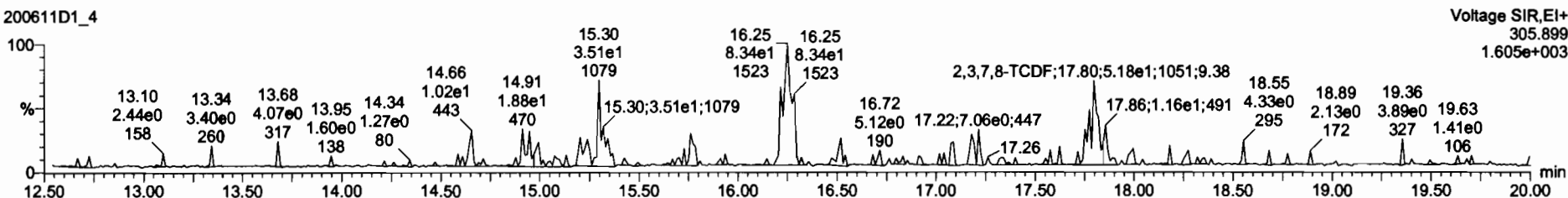
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Callibration: U:\VG7.PRO\CurveDB\ldb-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_4, Date: 11-Jun-2020, Time: 12:50:03, ID: 2000996-04RE1 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428

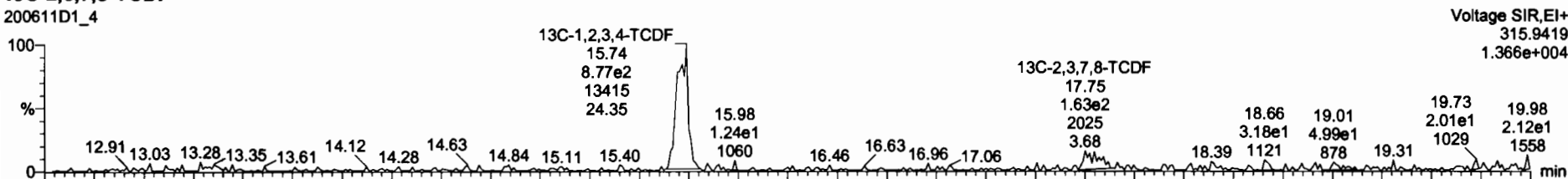
2,3,7,8-TCDF
200611D1_4



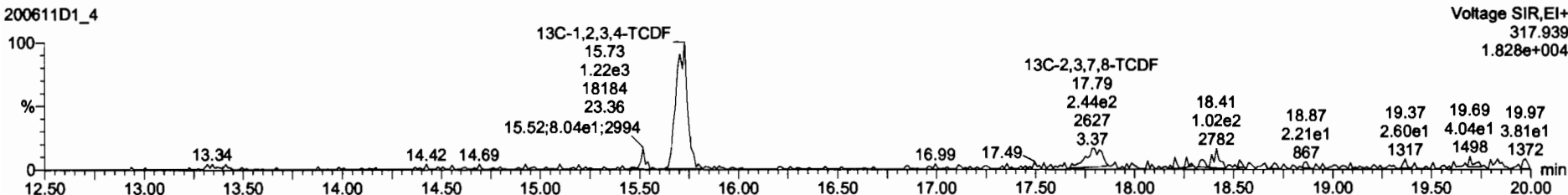
200611D1_4

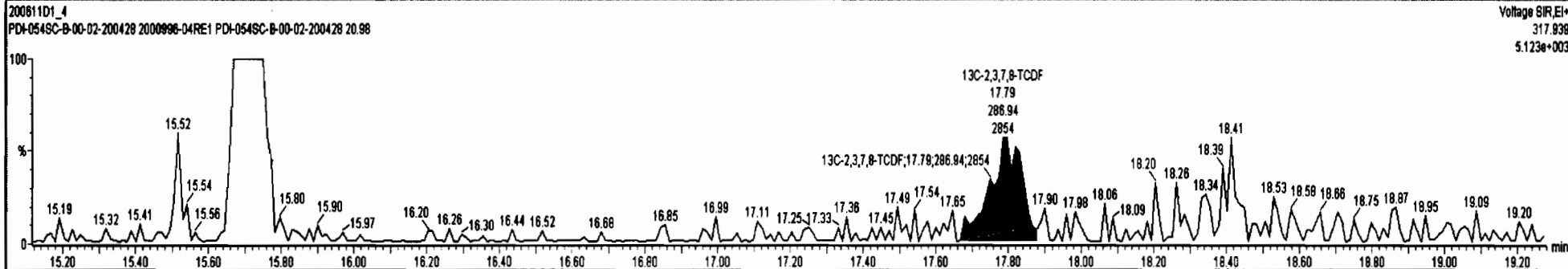
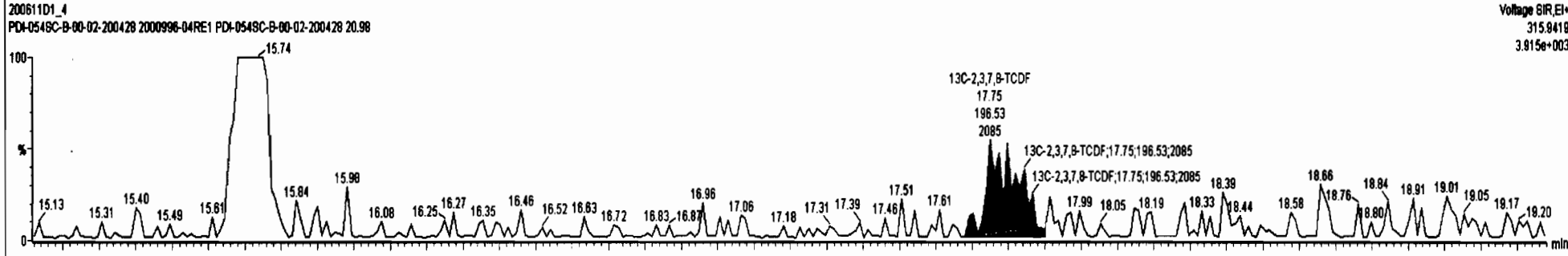
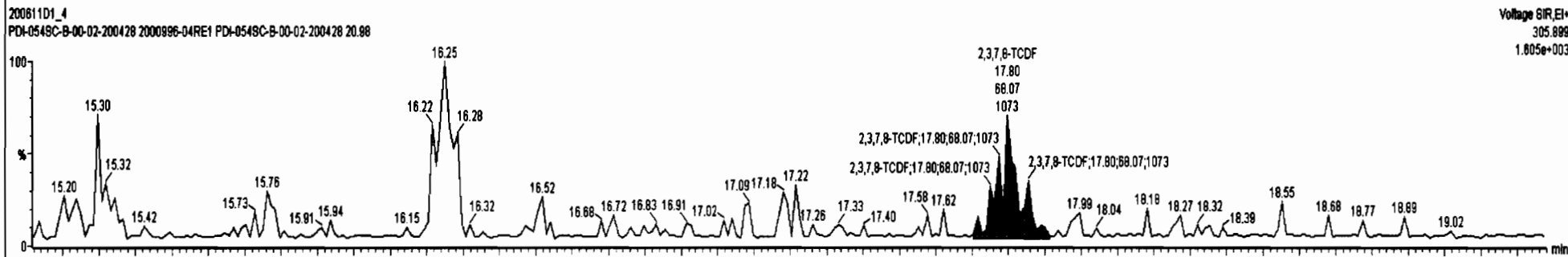


13C-2,3,7,8-TCDF
200611D1_4



200611D1_4



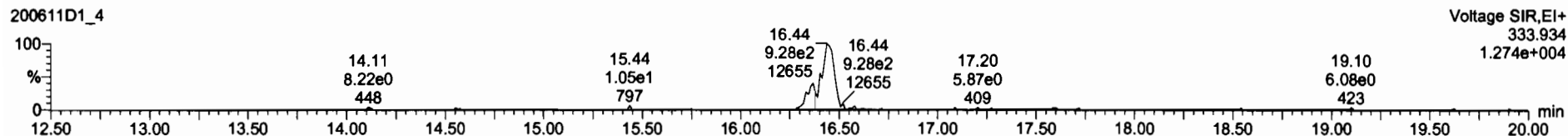
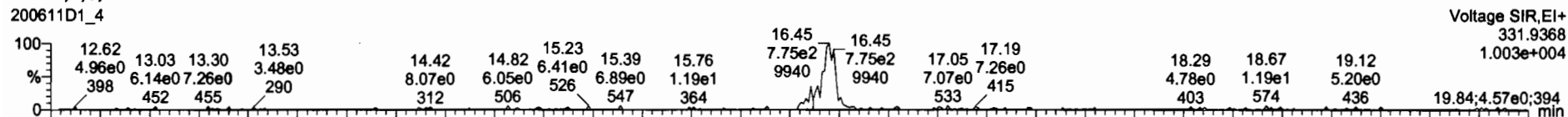


Dataset: U:\VG7.PRO\Results\200611D1\200611D1_4.qld

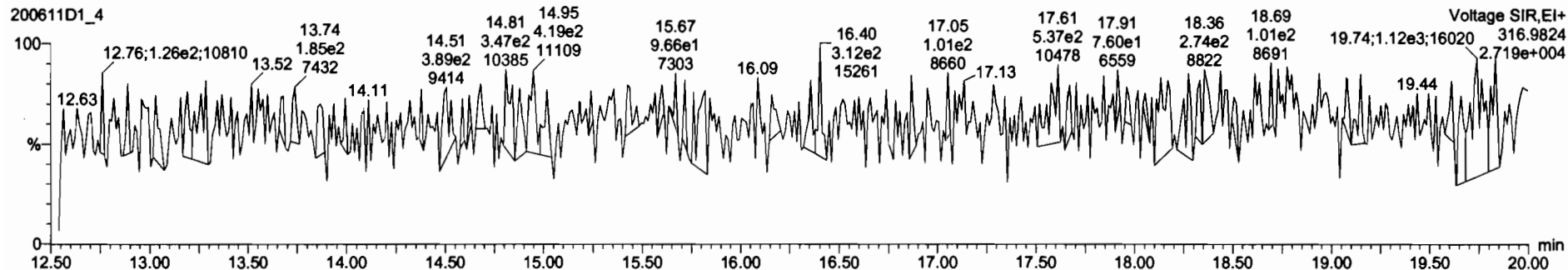
Last Altered: Thursday, June 11, 2020 13:26:58 Pacific Daylight Time
Printed: Thursday, June 11, 2020 13:28:29 Pacific Daylight Time

Name: 200611D1_4, Date: 11-Jun-2020, Time: 12:50:03, ID: 2000996-04RE1 PDI-054SC-B-00-02-200428 20.98, Description: PDI-054SC-B-00-02-200428

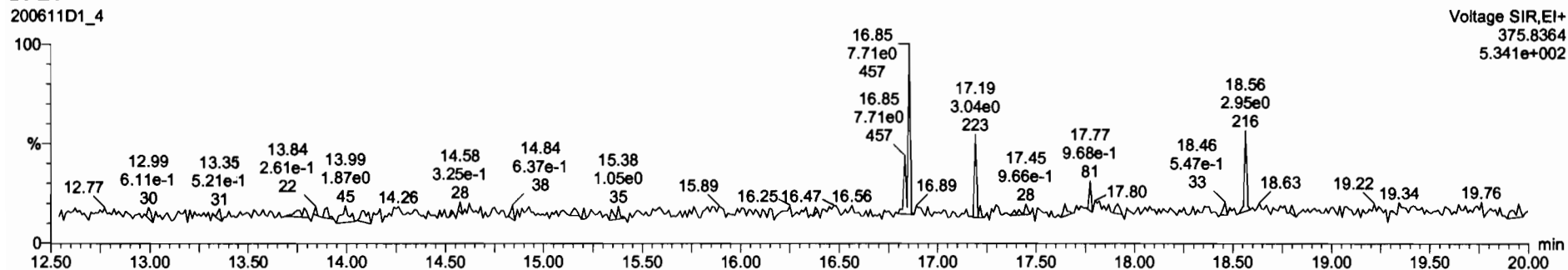
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200707D1\200707D1_8.qld

Last Altered: Tuesday, July 07, 2020 15:11:43 Pacific Daylight Time
Printed: Tuesday, July 07, 2020 15:11:58 Pacific Daylight Time

DB 7/7/20 CT 07/09/2020

Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200707D1_8, Date: 07-Jul-2020, Time: 14:42:31, ID: 2000996-14RE1 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

	Peak	RA	n/y	RRF	wt/vol	Pred. RT	RT	Pred. RRT	RRT	Area	Conc	Conc	
1	2,3,7,8-TCDF	2.90e2	0.88	NO	0.982	10.040	16.936	16.97	1.000	1.002	0.51042	0.501	0.510
2	13C-2,3,7,8-TCDF	1.15e5	0.74	NO	1.08	10.040	16.906	16.94	1.133	1.134	81.062	40.7	0.465
3	13C-1,2,3,4-TCDF	2.62e5	0.76	NO	1.00	10.040	15.060	14.94	1.000	1.000	199.20	100	0.503

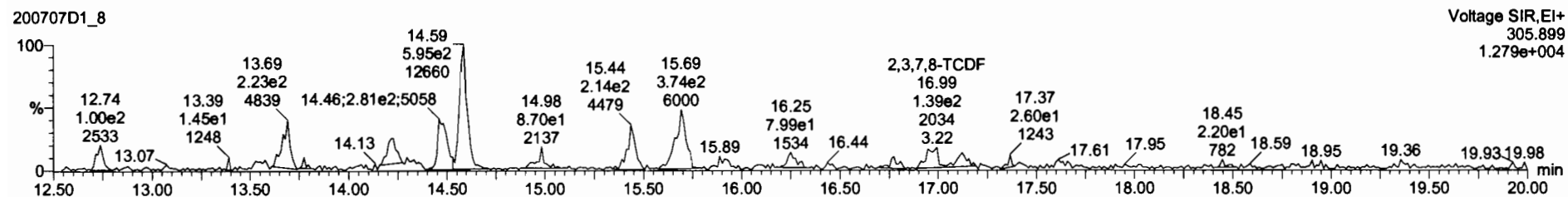
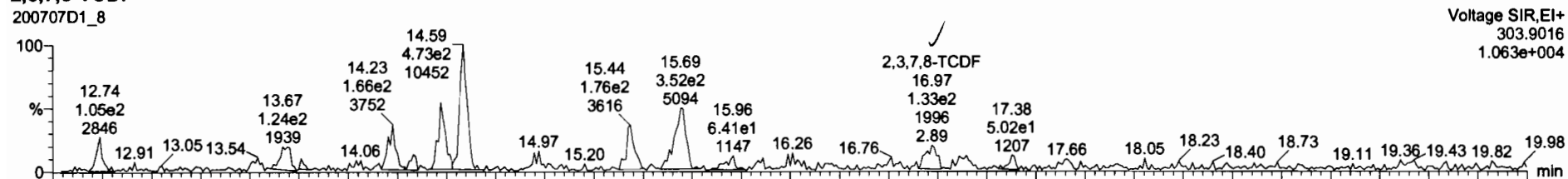
Dataset: U:\VG7.PRO\Results\200707D1\200707D1_8.qld

Last Altered: Tuesday, July 07, 2020 15:09:50 Pacific Daylight Time
Printed: Tuesday, July 07, 2020 15:10:53 Pacific Daylight Time

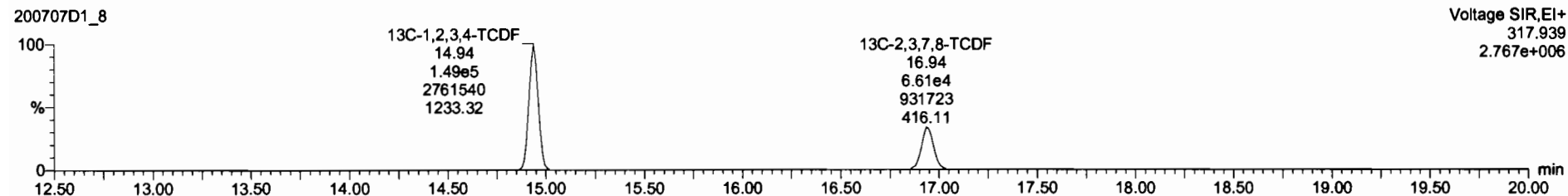
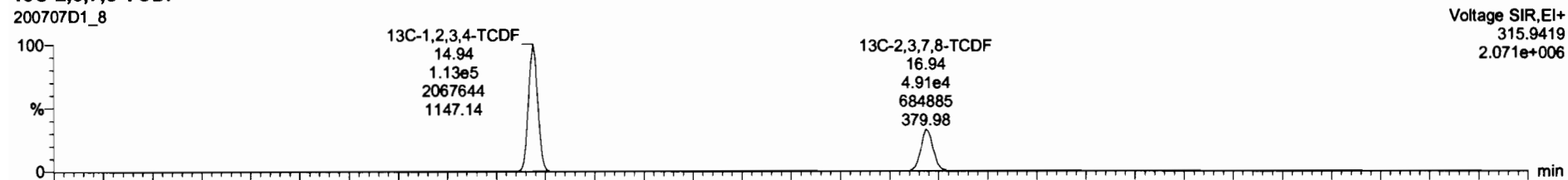
Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52
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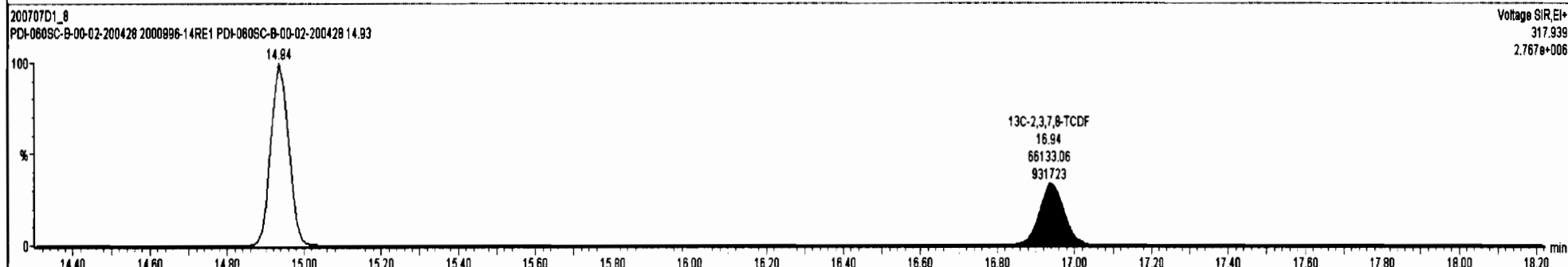
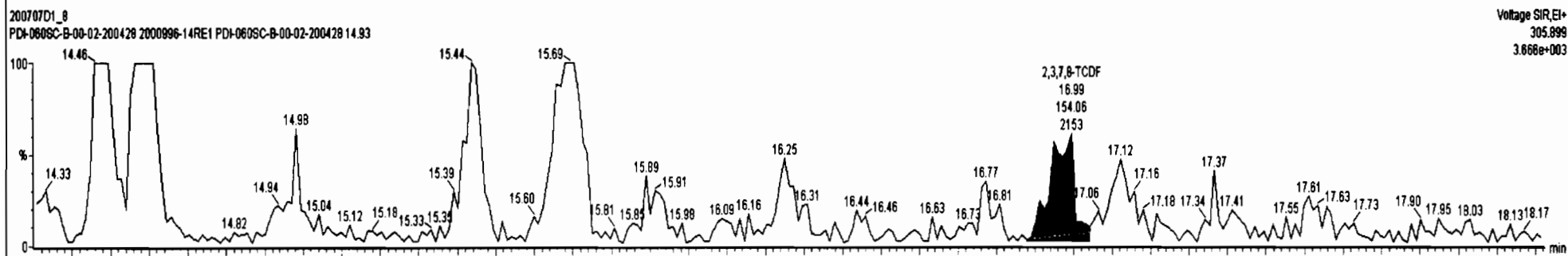
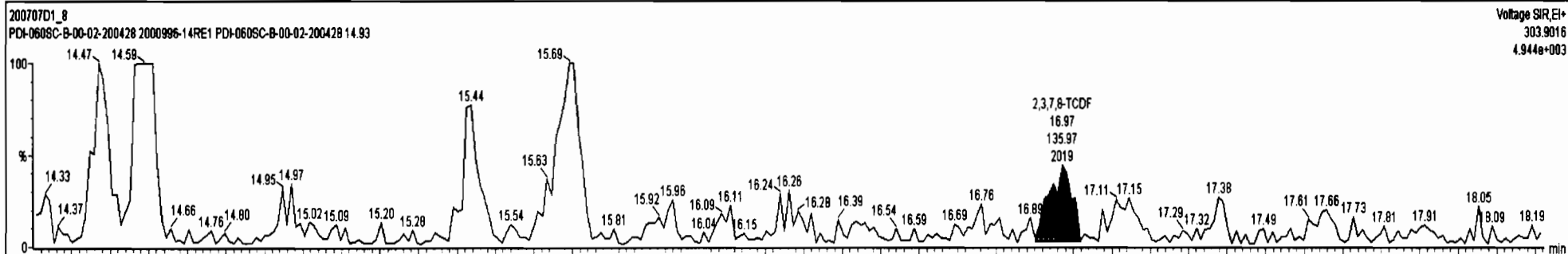
Name: 200707D1_8, Date: 07-Jul-2020, Time: 14:42:31, ID: 2000996-14RE1 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

2,3,7,8-TCDF



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





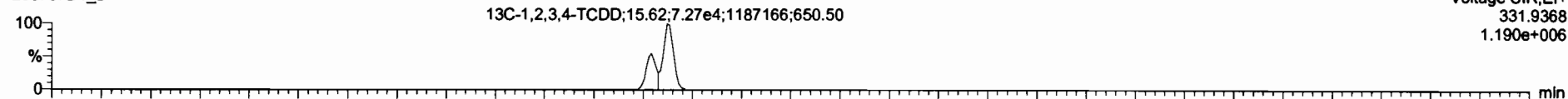
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Last Altered: Tuesday, July 07, 2020 15:09:50 Pacific Daylight Time
Printed: Tuesday, July 07, 2020 15:10:53 Pacific Daylight Time

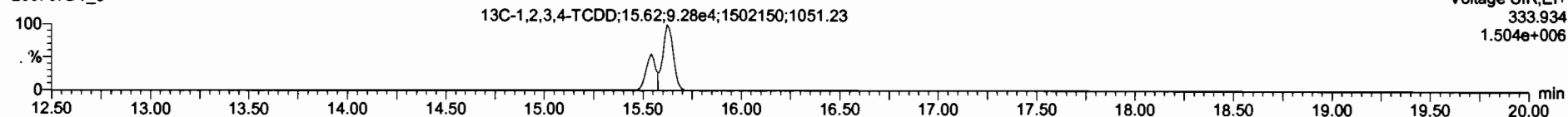
Name: 200707D1_8, Date: 07-Jul-2020, Time: 14:42:31, ID: 2000996-14RE1 PDI-060SC-B-00-02-200428 14.93, Description: PDI-060SC-B-00-02-200428

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

200707D1_8

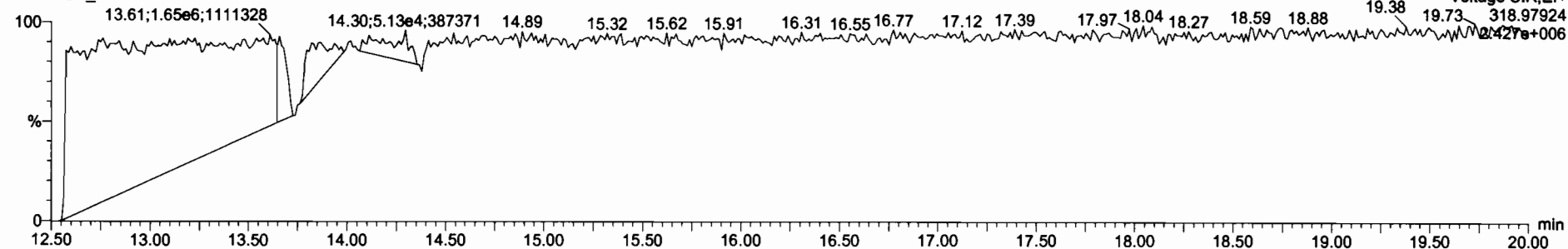


200707D1_8



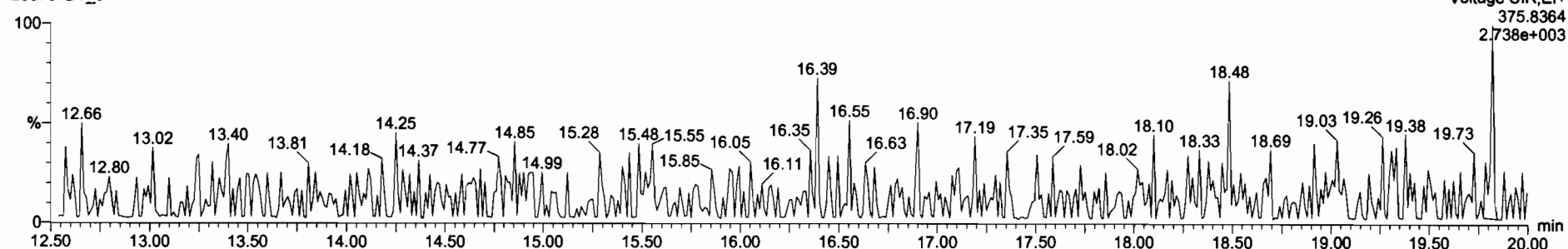
PFK1

200707D1_8



DPE1

200707D1_8



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200518R1-1

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

End Calibration ID: ST200518R2-1

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Correct ICAL referenced?	<u>GRB</u>	<u>GRB</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	(Y)	N
- Bottle position verified?	<u>GRB</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\200518R1\200518R1-1.qld

Last Altered: Monday, May 18, 2020 09:19:11 Pacific Daylight Time

Printed: Monday, May 18, 2020 09:19:47 Pacific Daylight Time

GRB 05/18/2020

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

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

CT 05/19/2020

Name: 200518R1_1, Date: 18-May-2020, Time: 08:21:51, ID: ST200518R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	1.39e5	1.46e6	0.79	NO	0.947	26.10	26.09	NO	1.001	1.001	10.050	100	NO
2	2 1,2,3,7,8-PeCDD	4.65e5	1.02e6	0.60	NO	0.942	31.16	31.17	NO	1.001	1.001	48.178	96.4	NO
3	3 1,2,3,4,7,8-HxCDD	3.36e5	6.67e5	1.24	NO	1.06	34.53	34.53	NO	1.000	1.000	47.402	94.8	NO
4	4 1,2,3,6,7,8-HxCDD	4.33e5	1.03e6	1.24	NO	0.915	34.62	34.63	NO	1.000	1.000	45.831	91.7	NO
5	5 1,2,3,7,8,9-HxCDD	3.32e5	7.75e5	1.24	NO	0.915	34.91	34.91	NO	1.000	1.000	46.804	93.6	NO
6	6 1,2,3,4,6,7,8-HpCDD	2.34e5	5.33e5	1.01	NO	0.898	38.40	38.40	NO	1.000	1.000	48.873	97.7	NO
7	7 OCDD	4.69e5	1.02e6	0.87	NO	0.933	41.38	41.39	NO	1.000	1.000	98.163	98.2	NO
8	8 2,3,7,8-TCDF	1.44e5	1.89e6	0.77	NO	0.787	25.16	25.17	NO	1.001	1.001	9.6804	96.8	NO
9	9 1,2,3,7,8-PeCDF	6.93e5	1.57e6	1.58	NO	0.910	29.86	29.86	NO	1.001	1.001	48.491	97.0	NO
10	10 2,3,4,7,8-PeCDF	6.86e5	1.48e6	1.56	NO	0.966	30.87	30.85	NO	1.001	1.000	48.061	96.1	NO
11	11 1,2,3,4,7,8-HxCDF	4.13e5	8.92e5	1.21	NO	0.878	33.65	33.67	NO	1.000	1.001	52.708	105	NO
12	12 1,2,3,6,7,8-HxCDF	5.46e5	1.15e6	1.23	NO	0.874	33.78	33.79	NO	1.000	1.001	54.122	108	NO
13	13 2,3,4,6,7,8-HxCDF	4.82e5	9.97e5	1.23	NO	0.922	34.39	34.37	NO	1.001	1.000	52.432	105	NO
14	14 1,2,3,7,8,9-HxCDF	3.28e5	7.49e5	1.17	NO	0.864	35.24	35.26	NO	1.000	1.001	50.707	101	NO
15	15 1,2,3,4,6,7,8-HpCDF	3.27e5	6.97e5	1.01	NO	0.871	37.01	36.99	NO	1.001	1.000	53.849	108	NO
16	16 1,2,3,4,7,8,9-HpCDF	2.37e5	4.49e5	1.01	NO	1.01	38.98	38.99	NO	1.000	1.000	52.148	104	NO
17	17 OCDF	5.46e5	1.28e6	0.85	NO	0.802	41.56	41.57	NO	1.000	1.000	106.52	107	NO
18	18 13C-2,3,7,8-TCDD	1.46e6	1.27e6	0.78	NO	1.16	26.06	26.07	NO	1.026	1.027	99.320	99.3	NO
19	19 13C-1,2,3,7,8-PeCDD	1.02e6	1.27e6	0.63	NO	0.847	31.16	31.14	NO	1.227	1.226	95.188	95.2	NO
20	20 13C-1,2,3,4,7,8-HxCDD	6.67e5	9.89e5	1.29	NO	0.750	34.53	34.52	NO	1.014	1.014	89.892	89.9	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.03e6	9.89e5	1.27	NO	0.963	34.64	34.62	NO	1.017	1.017	108.57	109	NO
22	22 13C-1,2,3,7,8,9-HxCDD	7.75e5	9.89e5	1.27	NO	0.838	34.91	34.90	NO	1.025	1.025	93.550	93.5	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.33e5	9.89e5	1.04	NO	0.641	38.40	38.39	NO	1.128	1.128	84.080	84.1	NO
24	24 13C-OCDD	1.02e6	9.89e5	0.89	NO	0.586	41.40	41.38	NO	1.216	1.215	176.46	88.2	NO
25	25 13C-2,3,7,8-TCDF	1.89e6	1.84e6	0.78	NO	1.03	25.12	25.14	NO	0.989	0.990	99.358	99.4	NO
26	26 13C-1,2,3,7,8-PeCDF	1.57e6	1.84e6	1.58	NO	0.845	29.85	29.84	NO	1.176	1.175	100.86	101	NO
27	27 13C-2,3,4,7,8-PeCDF	1.48e6	1.84e6	1.59	NO	0.814	30.84	30.83	NO	1.215	1.214	98.472	98.5	NO
28	28 13C-1,2,3,4,7,8-HxCDF	8.92e5	9.89e5	0.51	NO	1.00	33.67	33.65	NO	0.989	0.988	89.730	89.7	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.15e6	9.89e5	0.51	NO	1.14	33.79	33.77	NO	0.992	0.992	102.74	103	NO
30	30 13C-2,3,4,6,7,8-HxCDF	9.97e5	9.89e5	0.50	NO	1.02	34.36	34.36	NO	1.009	1.009	98.592	98.6	NO
31	31 13C-1,2,3,7,8,9-HxCDF	7.49e5	9.89e5	0.50	NO	0.845	35.25	35.24	NO	1.035	1.035	89.680	89.7	NO

Dataset: U:\VG12.PRO\Results\200518R1\200518R1-1.qld

Last Altered: Monday, May 18, 2020 09:19:11 Pacific Daylight Time

Printed: Monday, May 18, 2020 09:19:47 Pacific Daylight Time

Name: 200518R1_1, Date: 18-May-2020, Time: 08:21:51, ID: ST200518R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.97e5	9.89e5	0.44	NO	0.771	36.98	36.98	NO	1.086	1.086	91.420	91.4	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.49e5	9.89e5	0.42	NO	0.482	39.00	38.98	NO	1.145	1.145	94.222	94.2	NO
34	34 13C-OCDF	1.28e6	9.89e5	0.89	NO	0.669	41.57	41.56	NO	1.221	1.221	193.32	96.7	NO
35	35 37Cl-2,3,7,8-TCDD	1.34e5	1.27e6			1.10	26.09	26.09	NO	1.028	1.028	9.5796	95.8	NO
36	36 13C-1,2,3,4-TCDD	1.27e6	1.27e6	0.80	NO	1.00	25.35	25.39	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.84e6	1.84e6	0.80	NO	1.00	23.56	23.61	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	9.89e5	9.89e5	0.52	NO	1.00	34.00	34.05	NO	1.000	1.000	100.00	100	YES <input checked="" type="checkbox"/>

Dataset: Untitled

Last Altered: Monday, May 18, 2020 15:38:38 Pacific Daylight Time

Printed: Monday, May 18, 2020 15:38:41 Pacific Daylight Time

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

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

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

	Name	ID	Acq.Date	Acq.Time
1	200518R1_1	ST200518R1_1 1613 CS3 19L2305	18-May-20	08:21:51
2	200518R1_2	B0E0108-BS1 OPR 1	18-May-20	09:08:55
3	200518R1_3	B0E0066-BS1 OPR 10	18-May-20	09:56:30
4	200518R1_4	SOLVENT BLANK	18-May-20	10:43:24
5	200518R1_5	B0E0108-BLK1 Method Blank 1	18-May-20	11:30:24
6	200518R1_6	B0E0066-BLK1 Method Blank 10	18-May-20	12:17:25
7	200518R1_7	2000884-01 SPE016TIS-10G 1.01	18-May-20	13:04:23
8	200518R2_1	SOLVENT BLANK	18-May-20	14:00:16
9	200518R2_2	ST200518R2_1 1613 CS3 19L2305	18-May-20	14:46:59

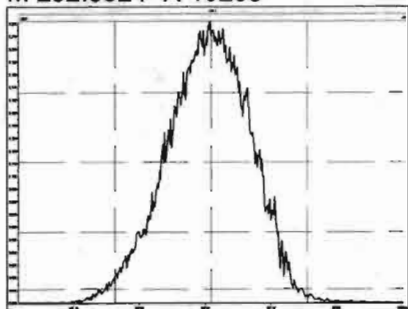
Experiment Calibration Report

MassLynx 4.1 SCN815

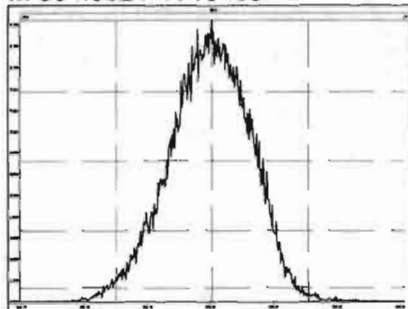
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, May 18, 2020 08:15:30 Pacific Daylight Time

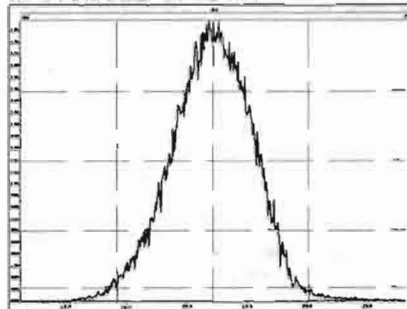
M 292.9824 R 10203



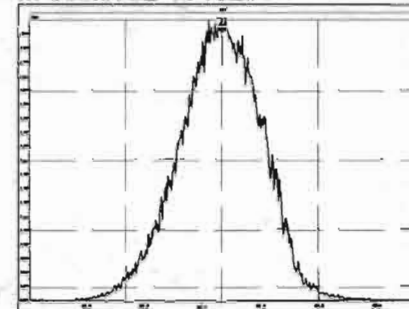
M 304.9824 R 10463



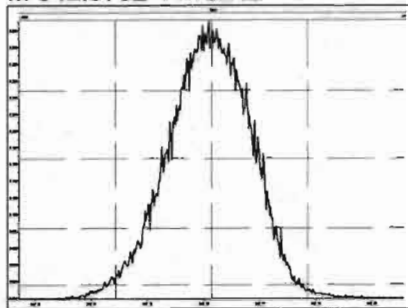
M 318.9792 R 10417



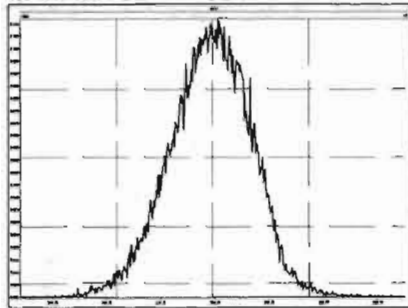
M 330.9792 R 10291



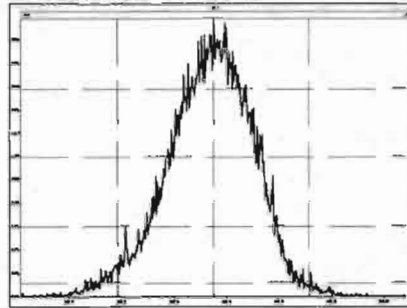
M 342.9792 R 10242



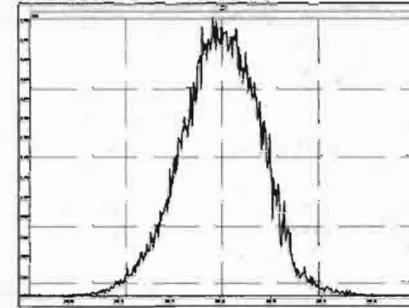
M 354.9792 R 10547



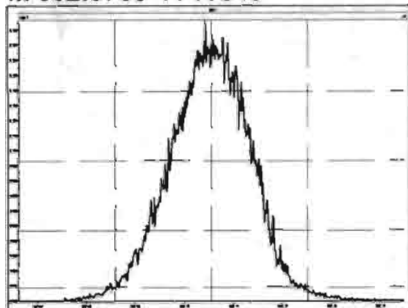
M 366.9792 R 10640



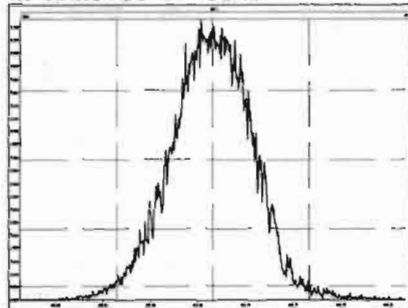
M 380.9760 R 10330



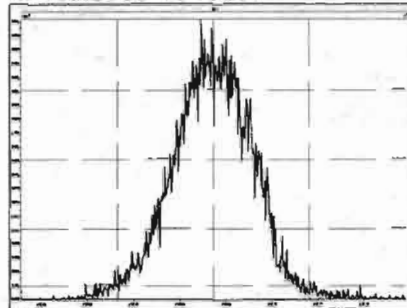
M 392.9760 R 10640



M 404.9760 R 10549

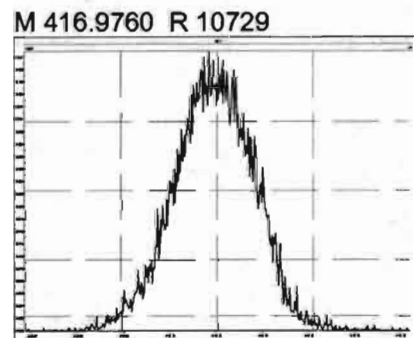
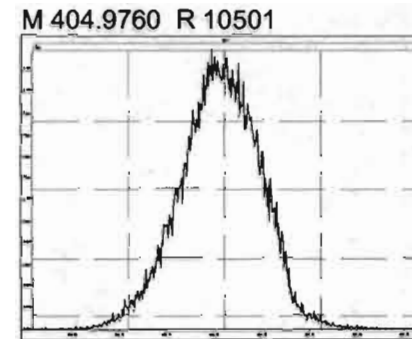
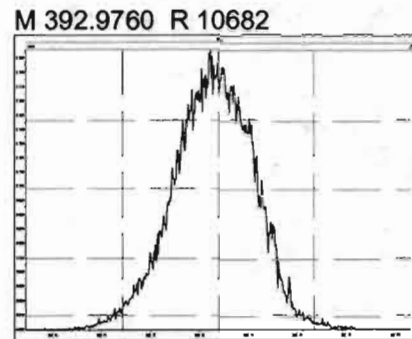
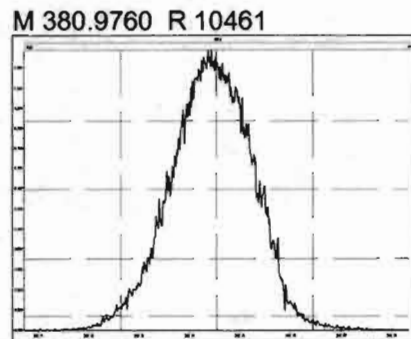
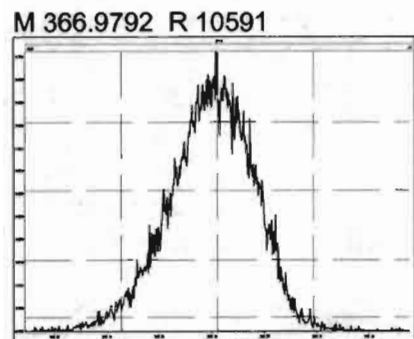
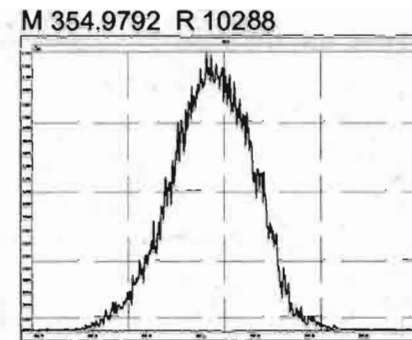
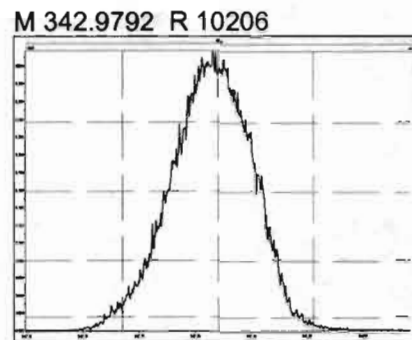
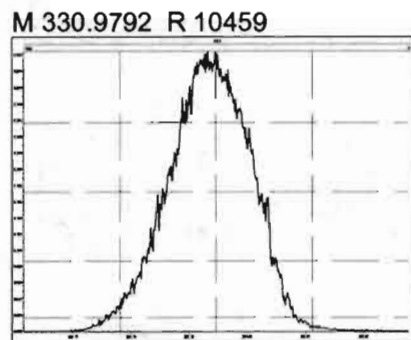
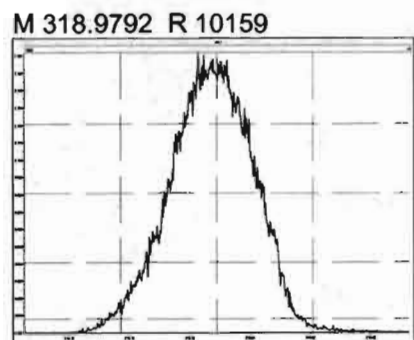


M 416.9760 R 10637



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

Printed: Monday, May 18, 2020 08:16:18 Pacific Daylight Time



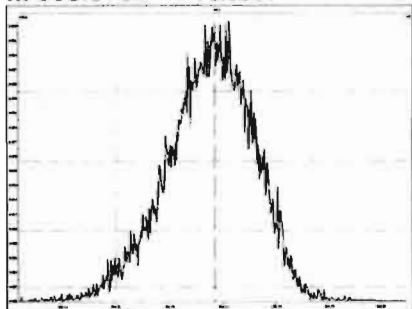
Experiment Calibration Report

MassLynx 4.1 SCN815

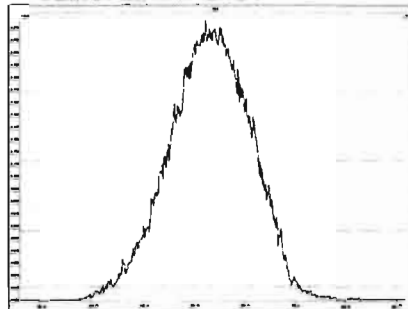
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, May 18, 2020 08:17:41 Pacific Daylight Time

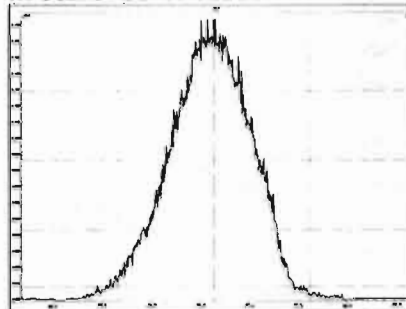
M 366.9792 R 10286



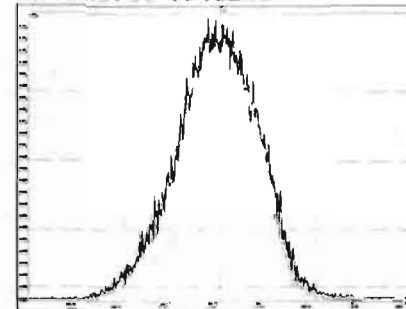
M 380.9760 R 10461



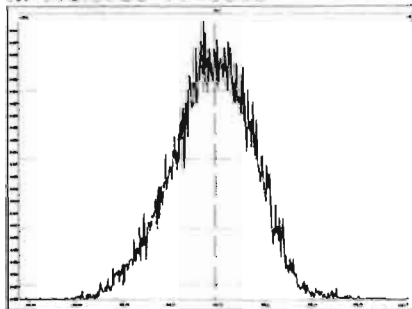
M 392.9760 R 10637



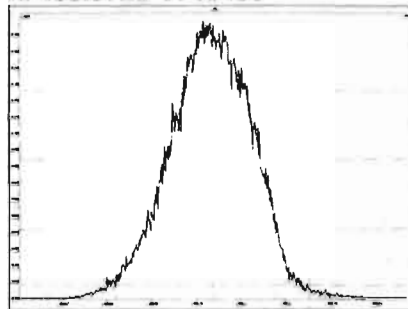
M 404.9760 R 10289



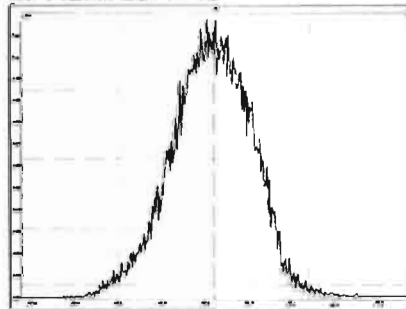
M 416.9760 R 10593



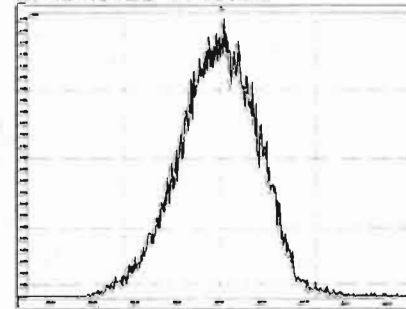
M 430.9728 R 10458



M 442.9728 R 10374



M 454.9728 R 10728



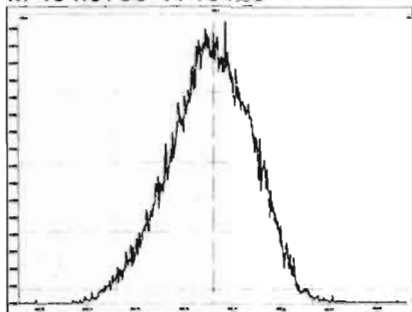
Experiment Calibration Report

MassLynx 4.1 SCN815

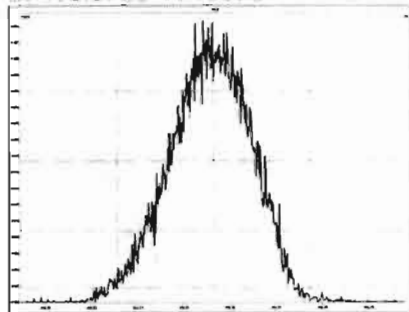
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Printed: Monday, May 18, 2020 08:18:36 Pacific Daylight Time

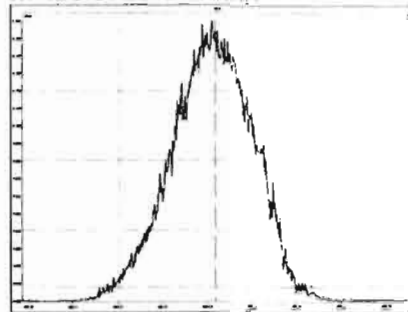
M 404.9760 R 10120



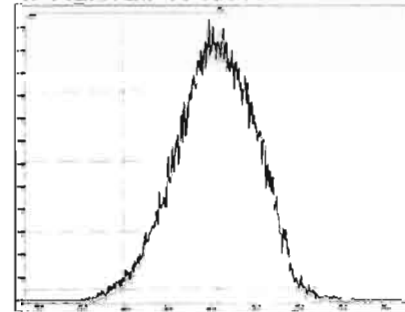
M 416.9760 R 10870



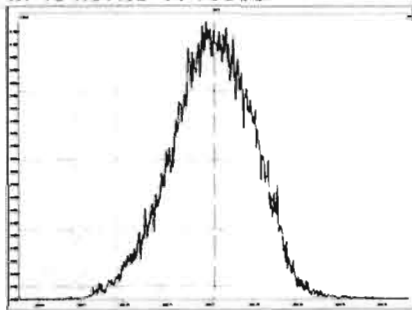
M 430.9728 R 10507



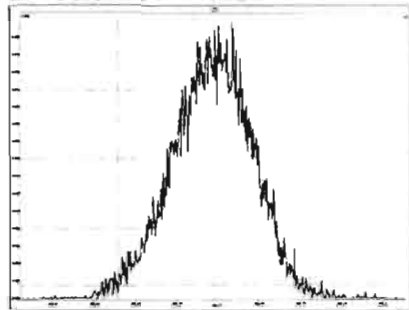
M 442.9728 R 10777



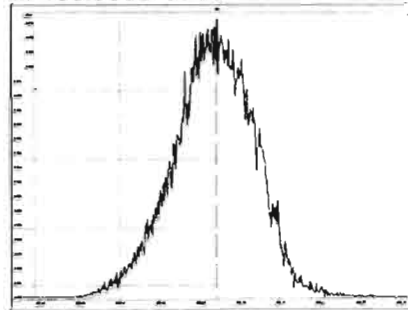
M 454.9728 R 10330



M 466.9728 R 10682



M 480.9696 R 11014



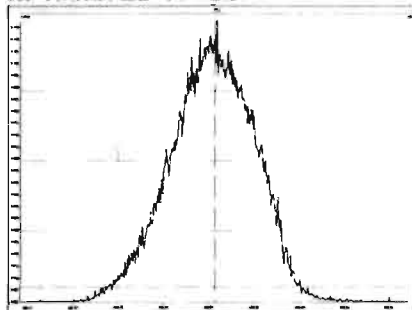
Experiment Calibration Report

MassLynx 4.1 SCN815

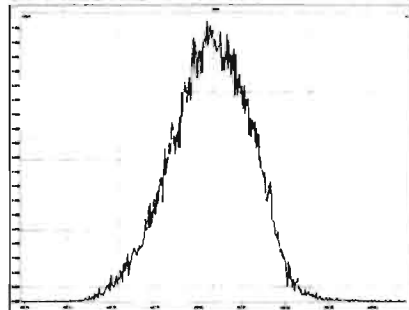
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Printed: Monday, May 18, 2020 08:19:24 Pacific Daylight Time

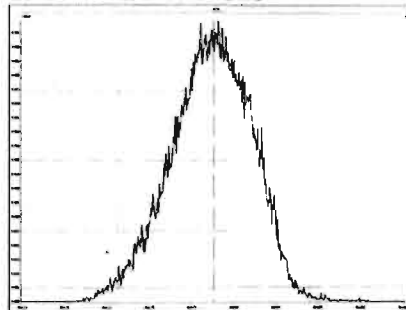
M 430.9728 R 10371



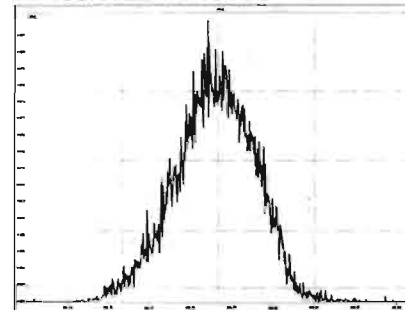
M 442.9728 R 10460



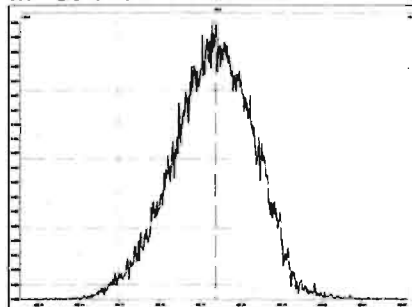
M 454.9728 R 10328



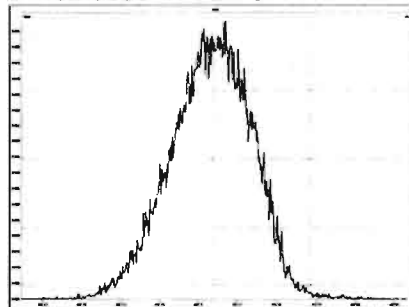
M 466.9728 R 10638



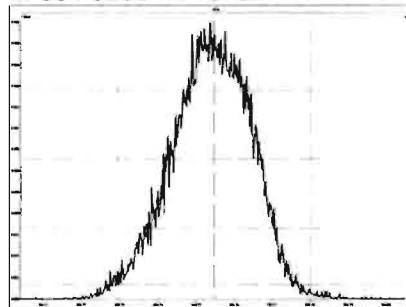
M 480.9696 R 10637



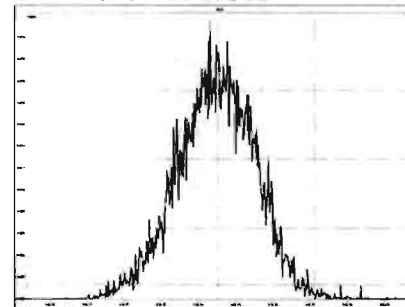
M 492.9696 R 10730



M 504.9696 R 10162



M 516.9697 R 11963



Dataset: Untitled

Last Altered: Monday, May 18, 2020 09:10:14 Pacific Daylight Time
Printed: Monday, May 18, 2020 09:10:33 Pacific Daylight Time

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

Name: 200518R1_1, Date: 18-May-2020, Time: 08:21:51, ID: ST200518R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1,3,6,8-TCDD (First)	21.92
2	1,2,8,9-TCDD (Last)	27.08
3	1,2,4,7,9-PeCDD (First)	28.91
4	1,2,3,8,9-PeCDD (Last)	31.55
5	1,2,4,6,7,9-HxCDD (First)	33.05
6	1,2,3,7,8,9-HxCDD (Last)	34.91
7	1,2,3,4,6,7,9-HpCDD (First)	37.37
8	1,2,3,4,6,7,8-HpCDD (Last)	38.40
9	1,3,6,8-TCDF (First)	19.84
10	1,2,8,9-TCDF (Last)	27.23
11	1,3,4,6,8-PeCDF (First)	27.19
12	1,2,3,8,9-PeCDF (Last)	31.80
13	1,2,3,4,6,8-HxCDF (First)	32.49
14	1,2,3,7,8,9-HxCDF (Last)	35.26
15	1,2,3,4,6,7,8-HpCDF (First)	36.99
16	1,2,3,4,7,8,9-HpCDF (Last)	38.99

Dataset: Untitled

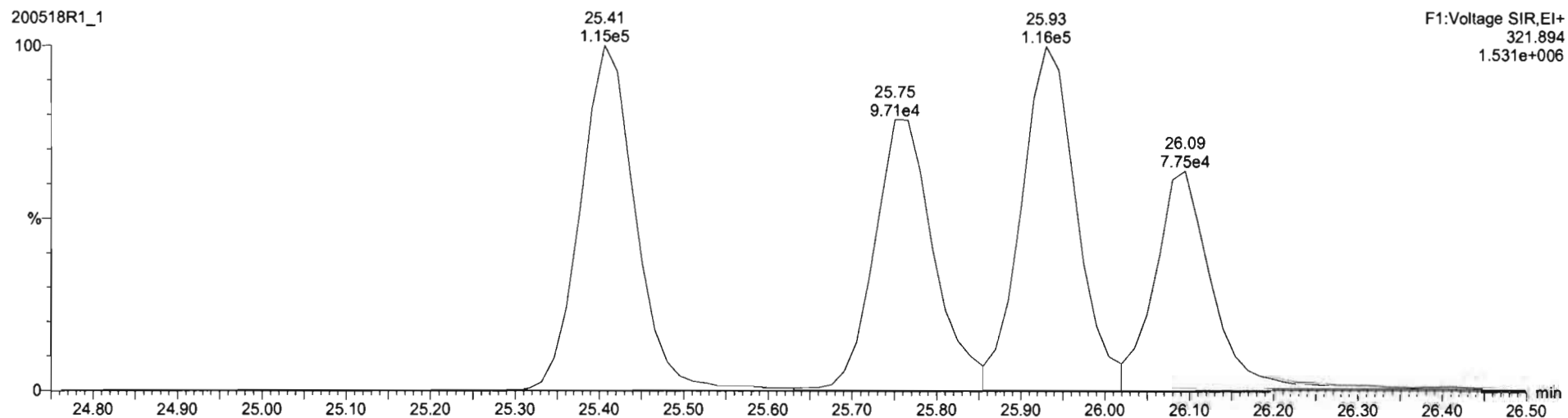
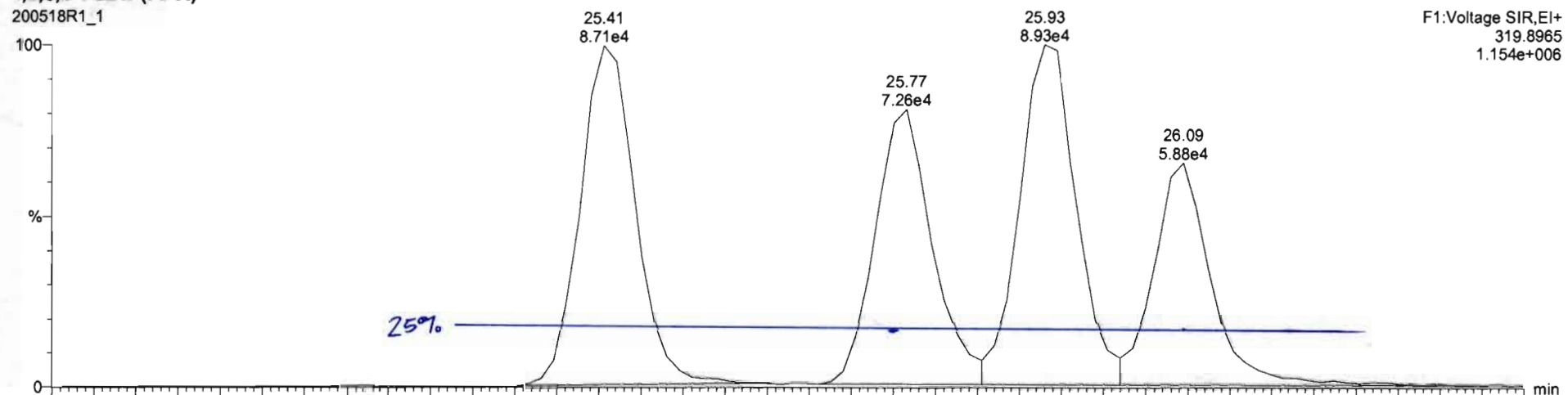
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GRO 05/18/2020

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

Name: 200518R1_1, Date: 18-May-2020, Time: 08:21:51, ID: ST200518R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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



Dataset: Untitled

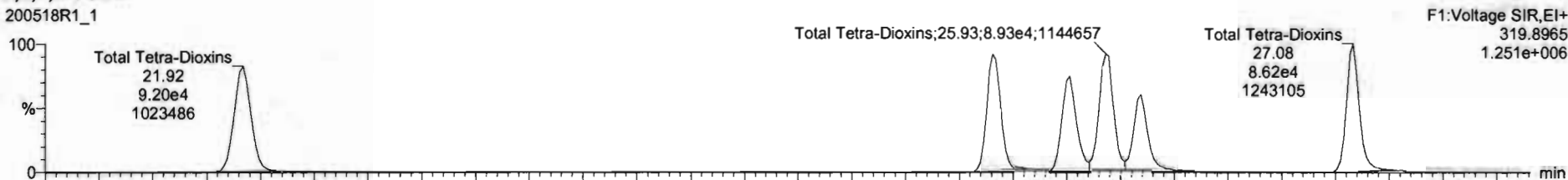
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Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
Calibration: U:\VG12.PRO\CurveDB\db5_1613vg12-4-29-20.cdb 30 Apr 2020 07:35:23

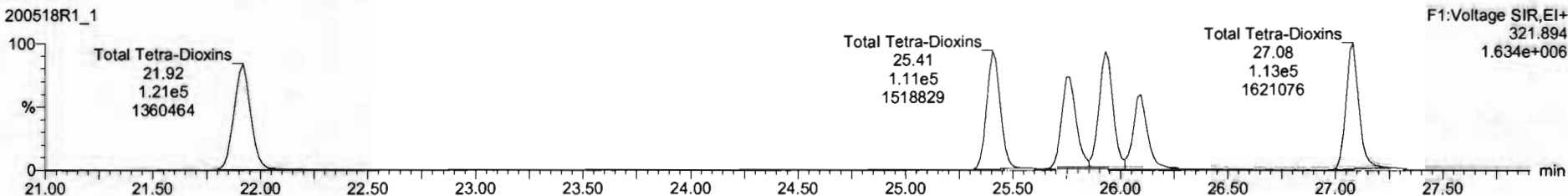
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2,3,7,8-TCDD

200518R1_1

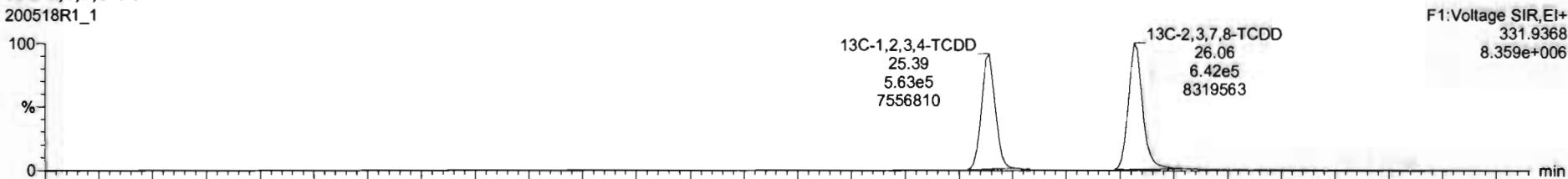


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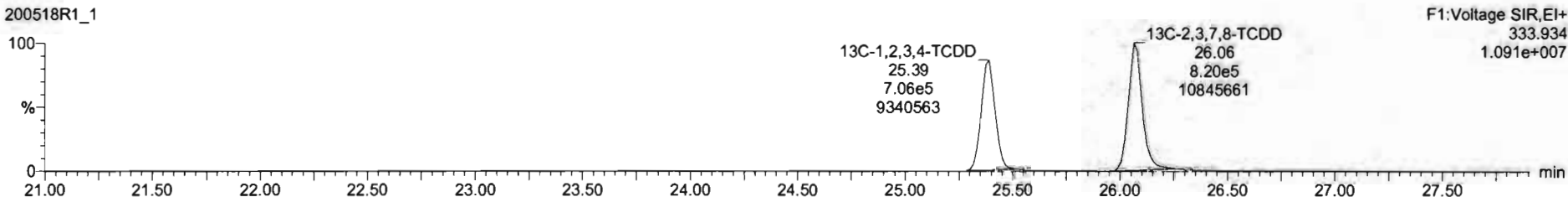


13C-2,3,7,8-TCDD

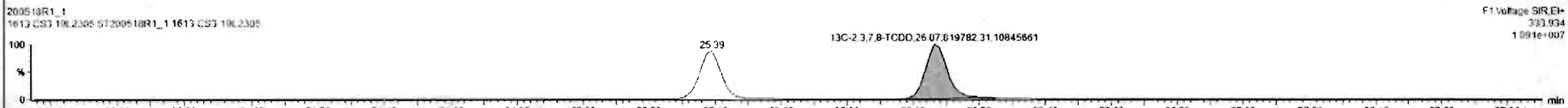
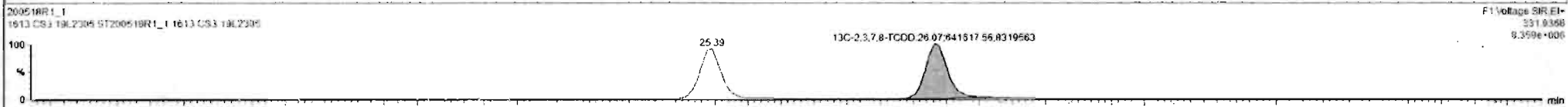
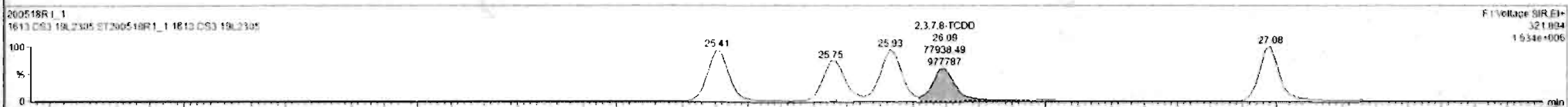
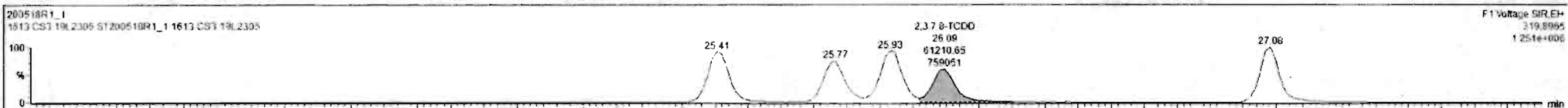
200518R1_1



200518R1_1



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.39e5	1.46e5	0.77	0.79	NO	0.9475	26.10	26.09	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	4.54e5	1.02e6	0.63	0.62	NO	0.9425	31.16	31.17	NO	1.001	1.001	47.1	94.2	NO
3	1,2,3,4,7,8-HxCDD	3.36e5	6.67e5	1.24	1.24	NO	1.0641	34.53	34.53	NO	1.000	1.000	47.4	94.8	NO
4	1,2,3,6,7,8-HxCDD	4.33e5	1.01e6	1.24	1.24	NO	0.9145	34.62	34.62	NO	1.000	1.000	45.8	91.7	NO
5	1,2,3,7,8,9-HxCDD	3.32e5	8.82e5	1.24	1.24	NO	0.9149	34.91	34.91	NO	1.000	1.000	41.1	82.2	NO
6	1,2,3,4,6,7,8-HpCDD	2.41e5	5.44e5	1.04	1.05	NO	0.6979	38.40	38.40	NO	1.000	1.000	39.2	98.8	NO
7	OCDD	4.93e5	1.08e6	0.29	0.89	NO	0.9335	41.38	41.39	NO	1.000	1.000	98.2	96.3	NO
8	2,3,7,8-TCDF	1.44e5	1.89e5	0.77	0.77	NO	0.7871	25.16	25.17	NO	1.001	1.001	9.66	96.8	NO
9	1,2,3,7,8-PeCDF	6.93e5	1.57e6	1.55	1.58	NO	0.9102	29.86	29.86	NO	1.001	1.001	48.5	97.0	NO
10	2,3,4,7,8-PeCDF	8.95e5	1.40e6	1.55	1.58	NO	0.9564	30.87	30.85	NO	1.001	1.000	48.1	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.13e5	8.52e5	1.24	1.21	NO	0.8782	33.65	33.67	NO	1.000	1.001	52.7	105	NO
12	1,2,3,6,7,8-HxCDF	5.46e5	1.15e6	1.24	1.23	NO	0.8740	33.78	33.79	NO	1.000	1.001	54.1	108	NO
13	2,3,4,6,7,8-HxCDF	4.62e5	9.97e5	1.24	1.23	NO	0.9217	34.39	34.37	NO	1.001	1.000	52.4	105	NO
14	1,2,3,7,8,9-HxCDF	3.41e5	7.55e5	1.24	1.24	NO	0.8642	35.24	35.25	NO	1.000	1.001	52.2	104	NO
15	1,2,3,4,6,7,8-HpCDF	3.36e5	7.26e5	1.04	0.96	NO	0.8712	37.01	36.99	NO	1.001	1.000	53.0	106	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.51e5	1.04	1.02	NO	1.0116	38.98	38.99	NO	1.000	1.000	55.1	110	NO
17	OCDF	5.57e5	1.15e6	0.29	0.88	NO	0.8021	41.56	41.57	NO	1.000	1.000	105	105	NO
18	13C-2,3,7,8-TCDD	1.46e6	1.27e6	0.77	0.78	NO	1.1595	26.06	26.07	NO	1.026	1.027	99.3	99.3	NO
19	13C-1,2,3,7,8-PeCDD	1.02e6	1.27e6	0.63	0.63	NO	0.8472	31.16	31.14	NO	1.227	1.226	95.2	95.2	NO



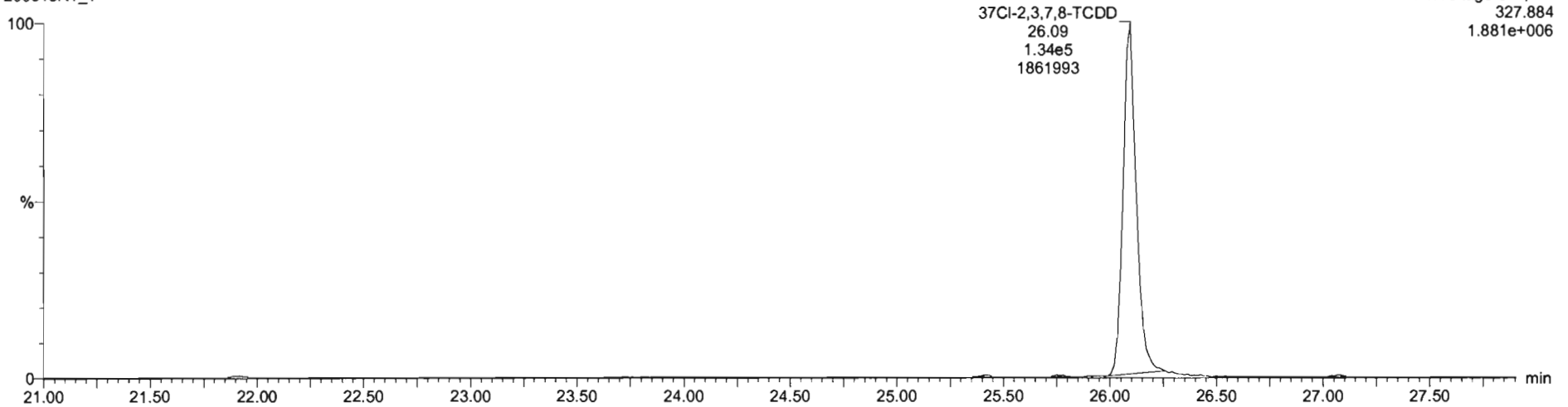
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Name: 200518R1_1, Date: 18-May-2020, Time: 08:21:51, ID: ST200518R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

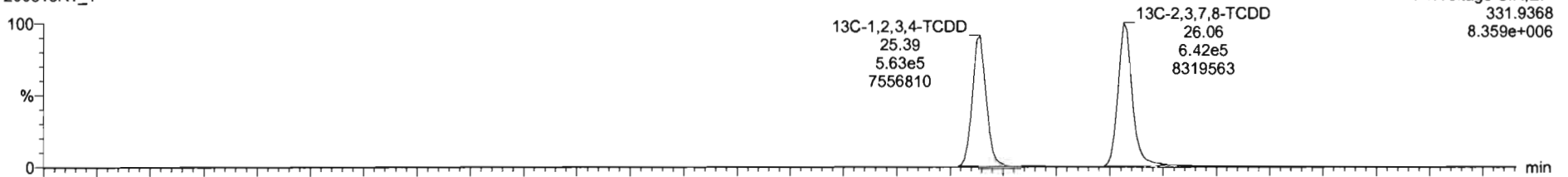
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200518R1_1

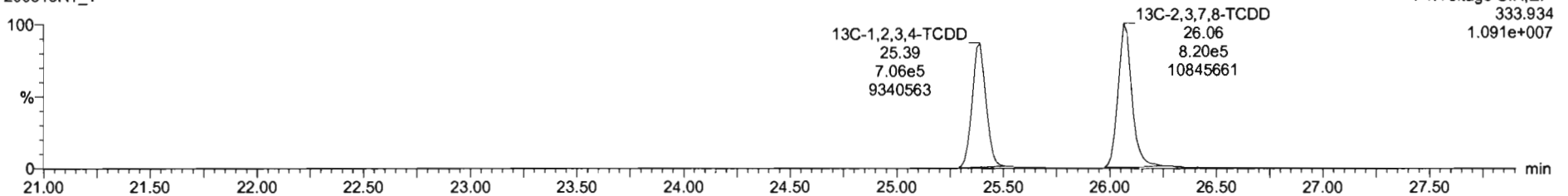


13C-1,2,3,4-TCDD

200518R1_1



200518R1_1



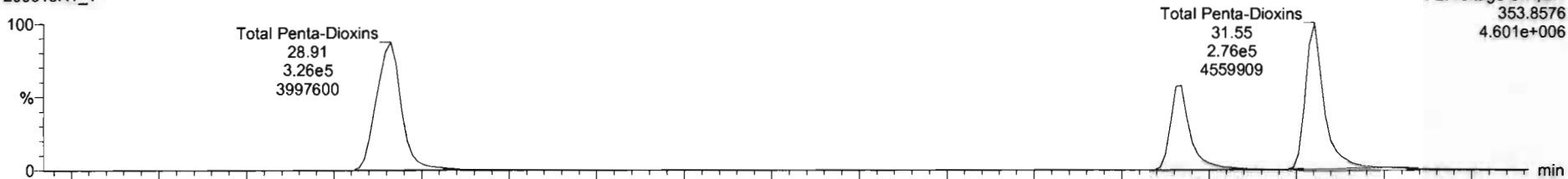
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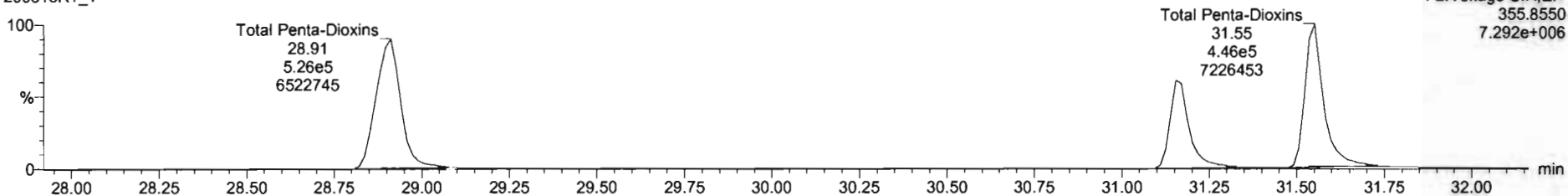
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1,2,3,7,8-PeCDD

200518R1_1

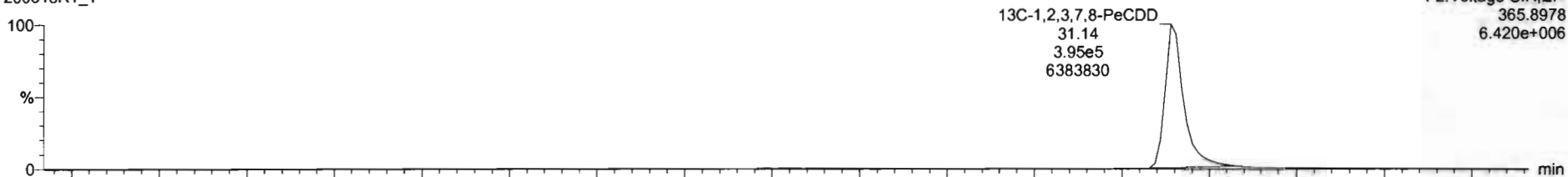


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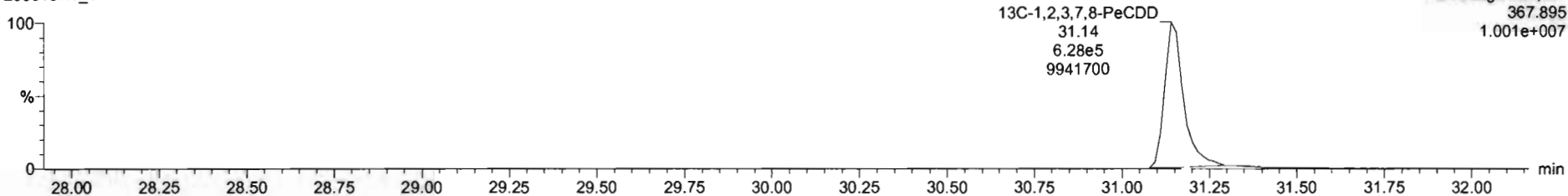


13C-1,2,3,7,8-PeCDD

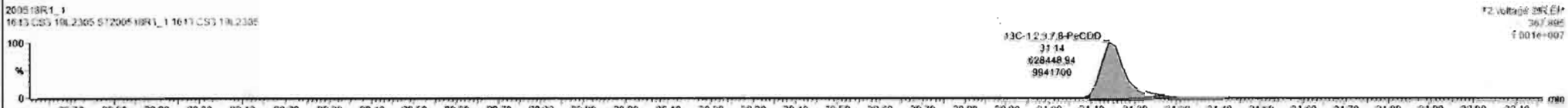
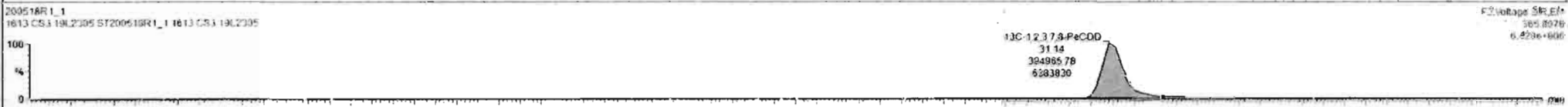
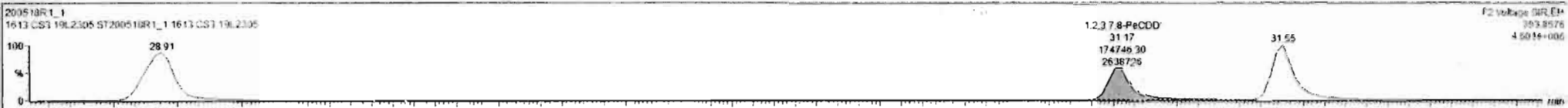
200518R1_1



200518R1_1



#	Name	Resp	IS Resp	Pred RA	RA	ely	RHF	Prod RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.30e5	1.46e5	0.77	0.79	NO	0.9475	26.10	26.09	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	4.85e5	1.02e6	0.83	0.80	NO	0.9425	31.16	31.17	NO	1.001	1.001	45.2	99.4	NO
3	1,2,3,4,7,8-HxCDD	3.30e5	8.87e5	1.24	1.24	NO	1.0641	34.53	34.53	NO	1.000	1.000	47.4	94.6	NO
4	1,2,3,6,7,8-HxCDD	4.35e5	1.03e6	1.24	1.24	NO	0.9145	34.62	34.63	NO	1.000	1.000	45.8	91.7	NO
5	1,2,3,7,8,9-HxCDD	3.32e5	8.22e5	1.24	1.24	NO	0.9149	34.91	34.91	NO	1.000	1.000	41.1	82.2	NO
6	1,2,3,4,6,7,8-HpCDD	2.41e5	5.44e5	1.04	1.05	NO	0.8975	38.40	38.40	NO	1.000	1.000	49.3	98.6	NO
7	OCDD	4.93e5	1.02e6	0.89	0.89	NO	0.8335	41.38	41.39	NO	1.000	1.000	98.2	98.3	NO
8	2,3,7,8-TCDF	1.44e5	1.89e6	0.77	0.77	NO	0.7871	25.16	25.17	NO	1.001	1.001	9.86	96.8	NO
9	1,2,3,7,8-PeCDF	6.93e5	1.57e6	1.55	1.58	NO	0.9162	29.96	29.96	NO	1.001	1.001	48.5	97.0	NO
10	2,3,4,7,8-PeCDF	6.88e5	1.49e6	1.55	1.56	NO	0.9564	30.87	30.85	NO	1.001	1.000	48.1	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.13e5	6.52e5	1.24	1.21	NO	0.8782	33.65	33.67	NO	1.000	1.001	52.7	105	NO
12	1,2,3,6,7,8-HxCDF	5.46e5	1.15e6	1.24	1.23	NO	0.8740	33.78	33.76	NO	1.000	1.001	54.1	108	NO
13	1,2,3,4,6,7,8-HxCDF	4.60e5	9.97e5	1.24	1.23	NO	0.9217	34.39	34.37	NO	1.001	1.000	52.4	105	NO
14	1,2,3,7,8,9-HxCDF	3.41e5	7.55e5	1.24	1.24	NO	0.8642	35.24	35.26	NO	1.000	1.001	52.2	104	NO
15	1,2,3,4,6,7,8-HpCDF	3.30e5	7.26e5	1.04	0.96	NO	0.8712	37.01	36.99	NO	1.001	1.000	53.0	106	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.51e5	1.04	1.02	NO	1.0116	38.98	38.99	NO	1.000	1.000	55.1	110	NO
17	OCDF	5.57e5	1.37e6	0.85	0.86	NO	0.8921	41.56	41.57	NO	1.000	1.000	105	105	NO
18	13C-2,3,7,8-TCDD	1.46e6	1.27e6	0.77	0.78	NO	1.1595	26.06	26.07	NO	1.026	1.027	99.3	99.3	NO
19	13C-1,2,3,7,8-PeCDD	1.02e6	1.27e6	0.63	0.63	NO	0.8472	31.15	31.14	NO	1.227	1.226	95.2	95.2	NO



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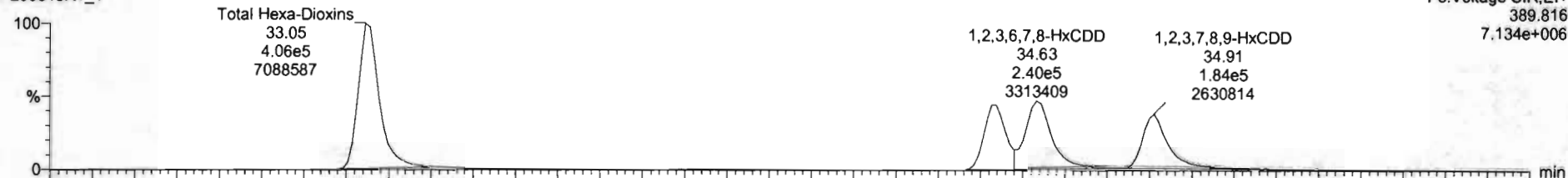
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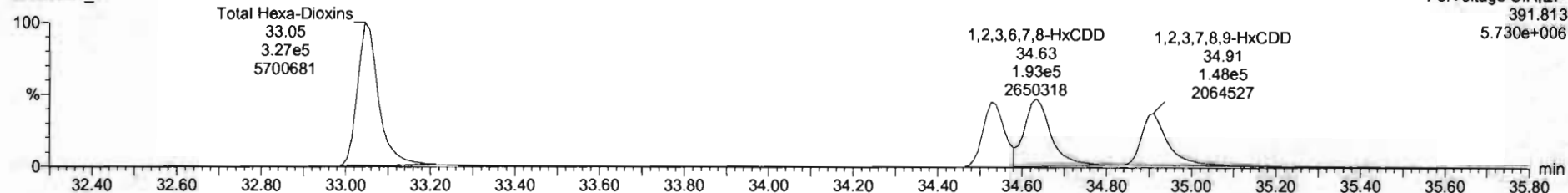
Name: 200518R1_1, Date: 18-May-2020, Time: 08:21:51, ID: ST200518R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200518R1_1

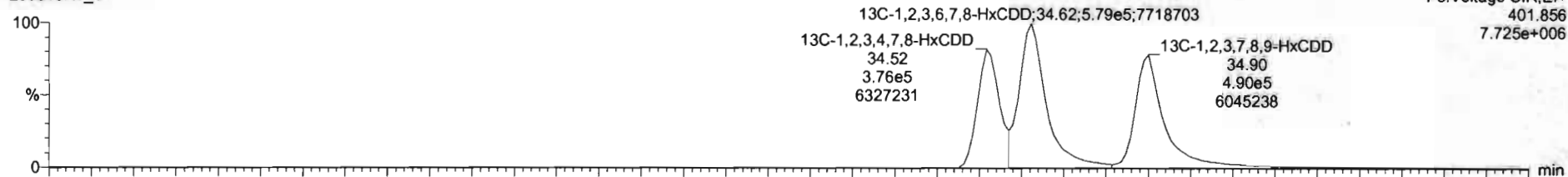


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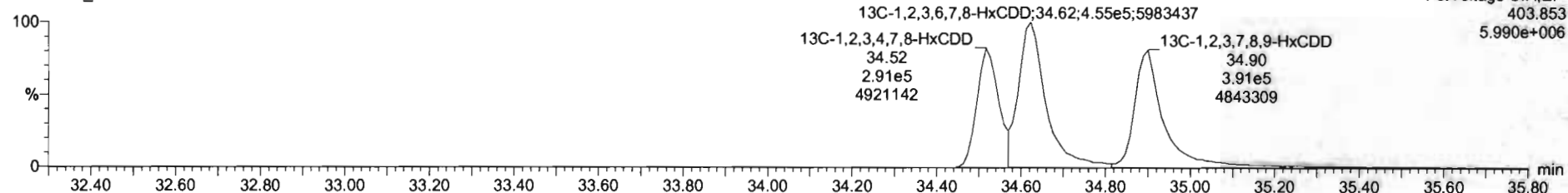


13C-1,2,3,4,7,8-HxCDD

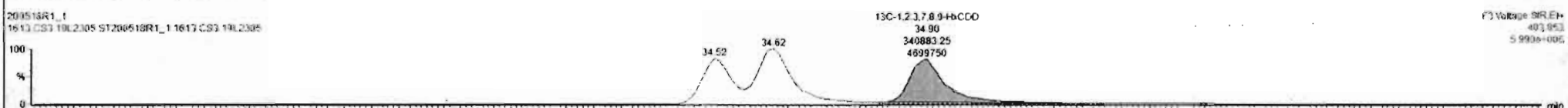
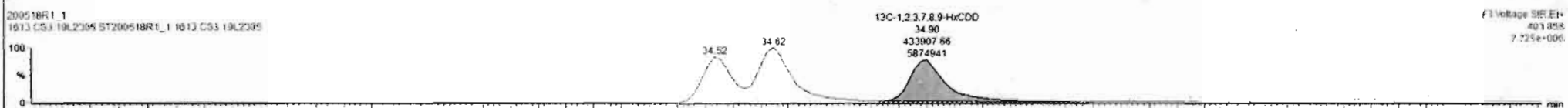
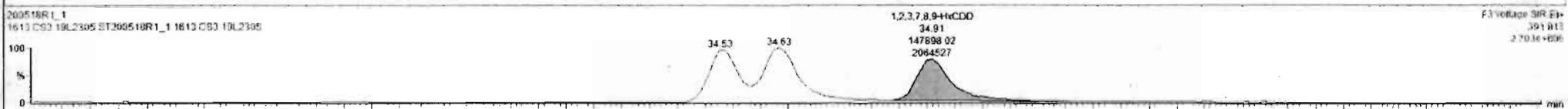
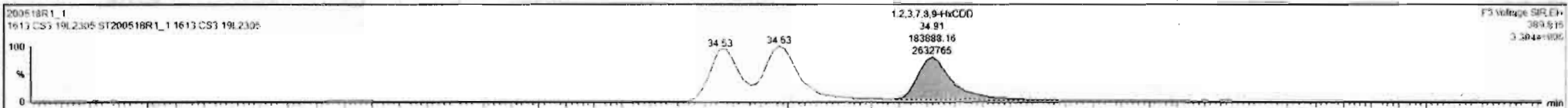
200518R1_1



200518R1_1



#	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	1.39e5	1.46e5	0.77	0.79	NO	0.9475	26.10	26.99	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	4.85e5	1.02e6	0.63	0.60	NO	0.9425	31.16	31.17	NO	1.001	1.001	45.2	96.4	NO
3	1,2,3,4,7,8-HxCDD	2.35e5	6.87e5	1.24	1.24	NO	1.0641	34.53	34.53	NO	1.000	1.000	47.4	94.6	NO
4	1,2,3,6,7,8-HxCDD	4.33e5	1.03e6	1.24	1.24	NO	0.9145	34.82	34.63	NO	1.000	1.000	45.6	91.7	NO
5	1,2,3,7,8,9-HxCDD	3.32e5	7.75e5	1.24	1.24	NO	0.9149	34.91	34.91	NO	1.000	1.000	46.8	93.6	NO
6	1,2,3,4,6,7,8-HpCDD	2.41e5	1.44e5	1.04	1.05	NO	0.8575	38.40	38.40	NO	1.000	1.000	49.2	98.8	NO
7	OCDD	4.93e5	1.08e6	0.89	0.89	NO	0.9335	41.38	41.39	NO	1.000	1.000	98.3	96.3	NO
8	2,3,7,8-TCDF	1.44e5	1.89e6	0.77	0.77	NO	0.7871	25.16	25.17	NO	1.001	1.001	9.68	96.8	NO
9	1,2,3,7,8-PeCDF	6.93e5	1.57e6	1.55	1.58	NO	0.9102	29.96	29.96	NO	1.001	1.001	46.5	97.0	NO
10	1,2,3,4,7,8-PeCDF	6.98e5	1.48e6	1.55	1.56	NO	0.9564	30.87	30.85	NO	1.001	1.000	48.1	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.13e5	8.52e5	1.24	1.21	NO	0.6782	33.65	33.67	NO	1.000	1.001	52.7	105	NO
12	1,2,3,6,7,8-HxCDF	5.46e5	1.15e6	1.24	1.23	NO	0.8740	33.70	33.79	NO	1.000	1.001	54.1	105	NO
13	1,2,3,4,6,7,8-HxCDF	4.62e5	9.97e5	1.24	1.23	NO	0.9217	34.39	34.37	NO	1.001	1.000	52.4	105	NO
14	1,2,3,7,8,9-HxCDF	3.41e5	7.55e5	1.24	1.24	NO	0.9547	35.24	35.25	NO	1.000	1.001	52.2	104	NO
15	1,2,3,4,6,7,8-HpCDF	3.06e5	7.26e5	1.04	0.96	NO	0.8712	37.01	36.99	NO	1.001	1.000	53.0	106	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.51e5	1.04	1.02	NO	1.0116	38.58	38.99	NO	1.000	1.000	55.1	110	NO
17	OCDF	5.57e5	1.33e6	0.89	0.88	NO	0.8021	41.56	41.57	NO	1.000	1.000	105	105	NO
18	13C-1,2,3,7,8-TCDD	1.46e6	1.27e6	0.77	0.78	NO	1.1556	26.06	26.07	NO	1.026	1.027	99.3	99.3	NO
19	13C-1,2,3,7,8-PeCDD	1.02e5	1.27e5	0.63	0.63	NO	0.9472	31.16	31.14	NO	1.227	1.226	95.2	95.2	NO



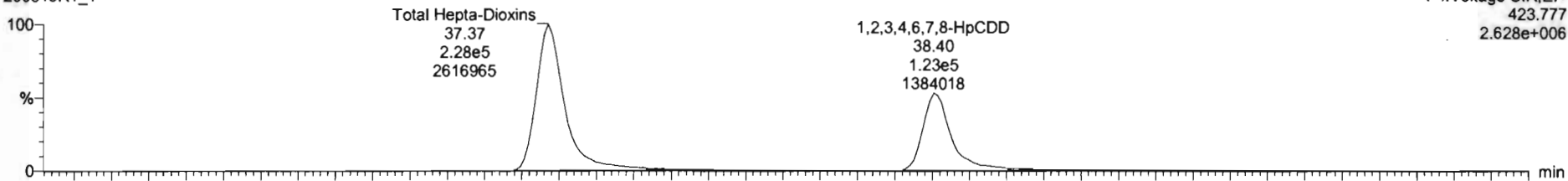
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Printed: Monday, May 18, 2020 09:09:33 Pacific Daylight Time

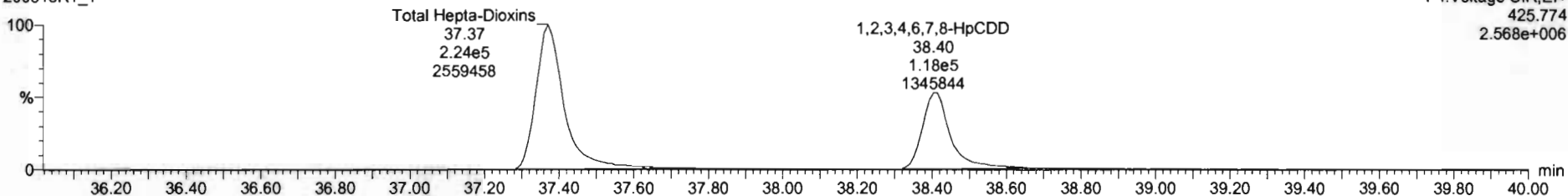
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1,2,3,4,6,7,8-HpCDD

200518R1_1

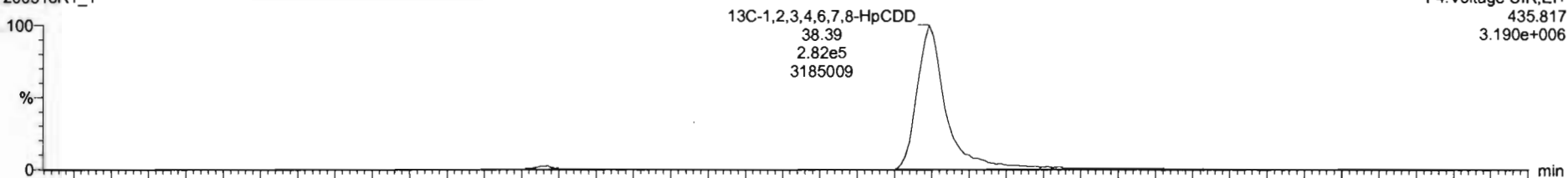


200518R1_1

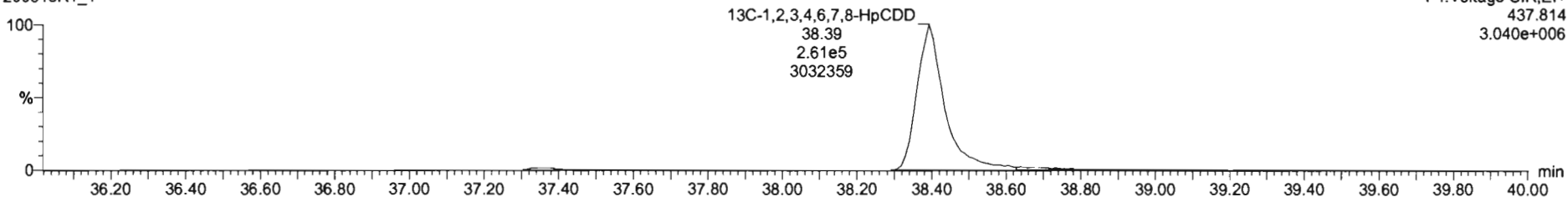


13C-1,2,3,4,6,7,8-HpCDD

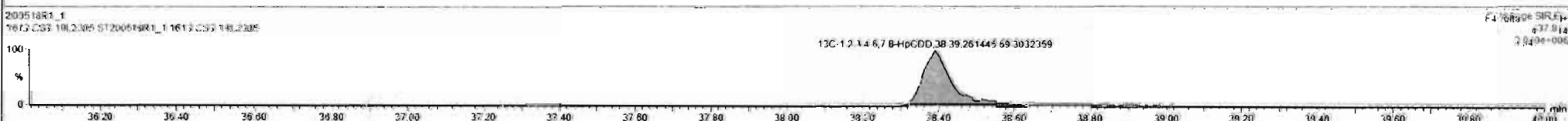
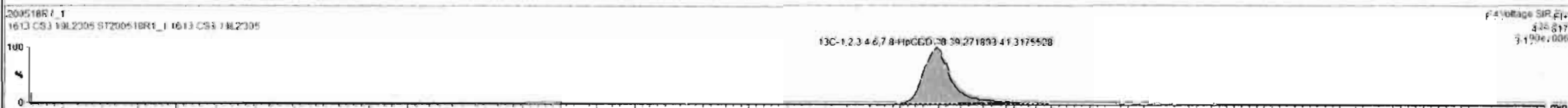
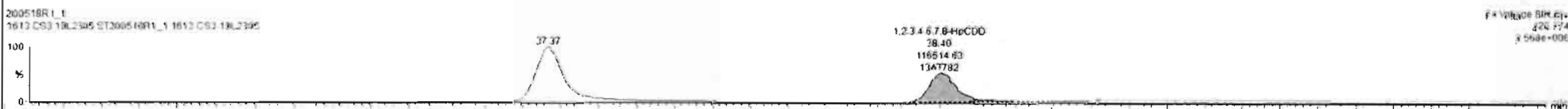
200518R1_1



200518R1_1



#	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	1.30e5	1.46e5	0.77	0.79	NO	0.9475	26.10	26.09	NO	1.001	1.001	10.0	100	NO
2	1.2,3,7,8-PeCDD	4.85e5	1.02e6	0.63	0.60	NO	0.9426	31.16	31.17	NO	1.001	1.001	48.2	96.4	NO
3	1.2,3,4,7,8-HxCDD	3.96e5	6.67e5	1.24	1.24	NO	1.0541	34.53	34.53	NO	1.000	1.000	47.4	94.6	NO
4	1.2,3,6,7,8-HxCDD	4.35e5	1.03e6	1.24	1.24	NO	0.9145	34.62	34.63	NO	1.000	1.000	45.6	91.7	NO
5	1.2,3,7,8,9-HxCDD	3.32e5	7.75e5	1.24	1.24	NO	0.9145	34.91	34.91	NO	1.000	1.000	46.6	93.6	NO
6	1.2,3,4,6,7,8-HpCDD	2.34e5	5.33e5	1.04	1.01	NO	0.6979	38.40	38.46	NO	1.000	1.000	48.9	97.7	NO
7	OCDD	4.63e5	1.08e6	0.69	0.89	NO	0.9335	41.38	41.39	NO	1.000	1.000	96.3	96.3	NO
8	2,3,7,8-TCDF	1.44e5	1.89e6	0.77	0.77	NO	0.7871	25.16	25.17	NO	1.001	1.001	9.86	96.8	NO
9	1.2,3,7,8-PeCDF	6.93e5	1.57e6	1.55	1.58	NO	0.9162	29.86	29.86	NO	1.001	1.001	48.6	97.0	NO
10	2,3,4,7,8-PeCDF	6.96e5	1.48e6	1.55	1.58	NO	0.9564	30.67	30.66	NO	1.001	1.000	48.1	95.1	NO
11	1.2,3,4,7,8-HxCDF	4.13e5	6.52e5	1.24	1.21	NO	0.6782	33.65	33.67	NO	1.000	1.001	52.7	105	NO
12	1.2,3,6,7,8-HxCDF	5.46e5	1.15e6	1.24	1.23	NO	0.8740	33.72	33.79	NO	1.000	1.001	54.1	108	NO
13	2,3,4,6,7,8-HxCDF	4.62e5	9.97e5	1.24	1.23	NO	0.9217	34.39	34.37	NO	1.001	1.000	52.4	105	NO
14	1.2,3,7,8,9-HxCDF	3.41e5	7.55e5	1.24	1.24	NO	0.9542	35.24	35.26	NO	1.000	1.001	52.2	104	NO
15	1.2,3,4,7,8,9-HpCDF	3.96e5	7.26e5	1.04	0.96	NO	0.8712	37.01	36.99	NO	1.001	1.000	53.0	106	NO
16	1.2,3,4,7,8,9-HpCDF	2.51e5	4.51e5	1.04	1.02	NO	1.0116	38.98	38.99	NO	1.000	1.000	55.1	110	NO
17	OCDF	5.97e5	1.33e6	0.89	0.88	NO	0.8021	41.56	41.57	NO	1.000	1.000	105	105	NO
18	13C-1,2,3,7,8-TCDD	1.46e6	1.27e6	0.77	0.78	NO	1.1595	26.06	26.07	NO	1.026	1.027	99.3	99.3	NO
19	13C-1,2,3,7,8-PeCDD	1.02e6	1.27e6	0.63	0.63	NO	0.9472	31.16	31.14	NO	1.227	1.228	95.2	95.2	NO



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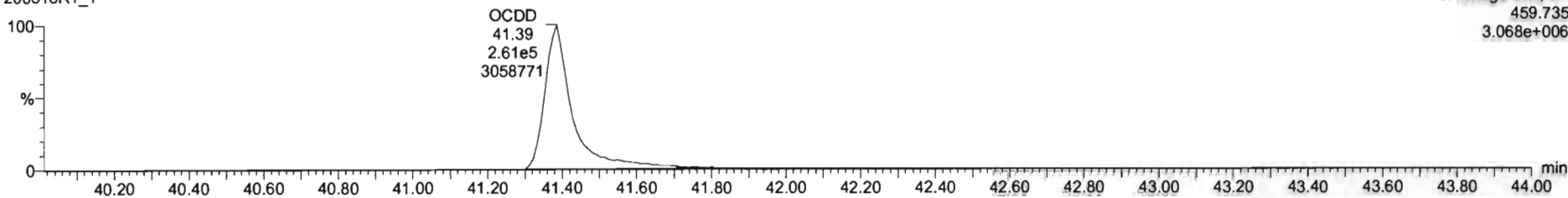
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OCDD

200518R1_1

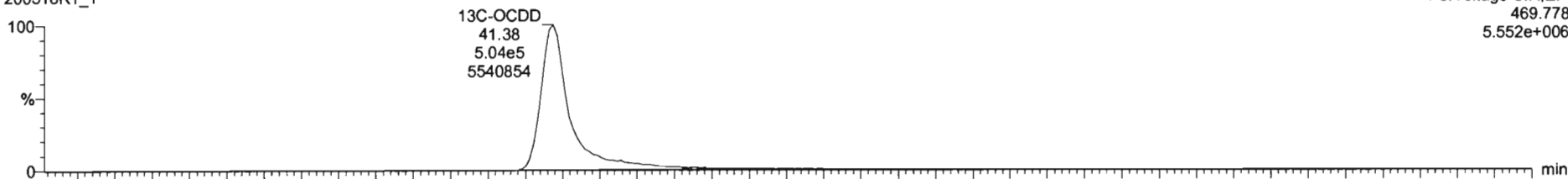


200518R1_1

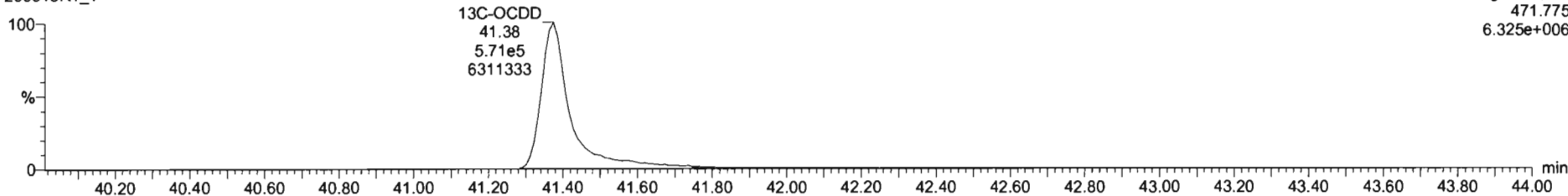


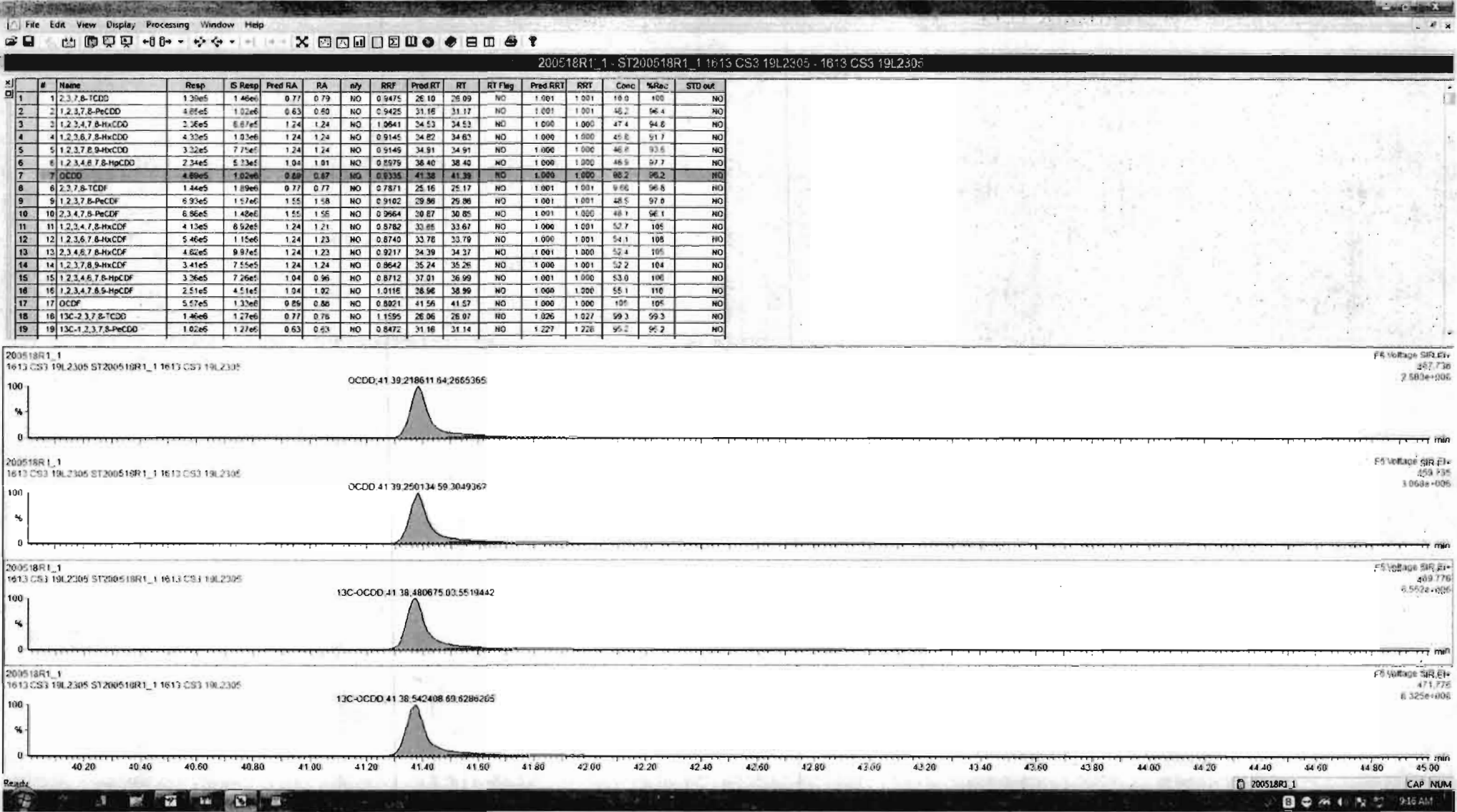
13C-OCDD

200518R1_1



200518R1_1



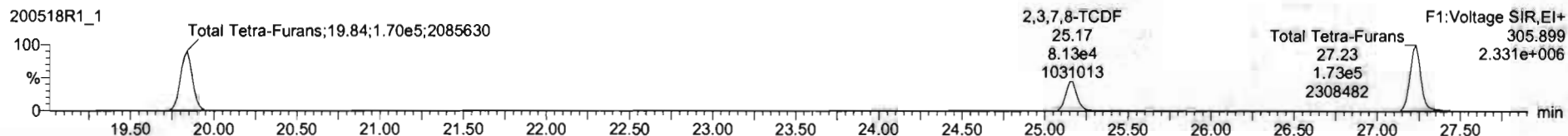


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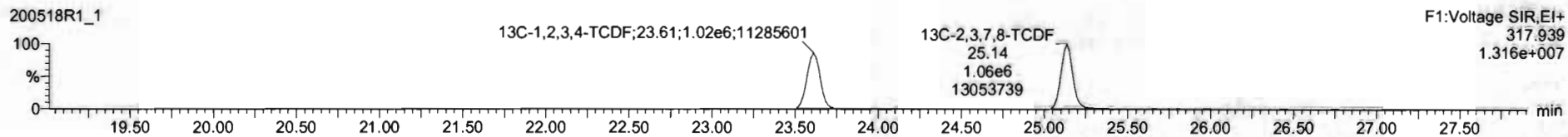
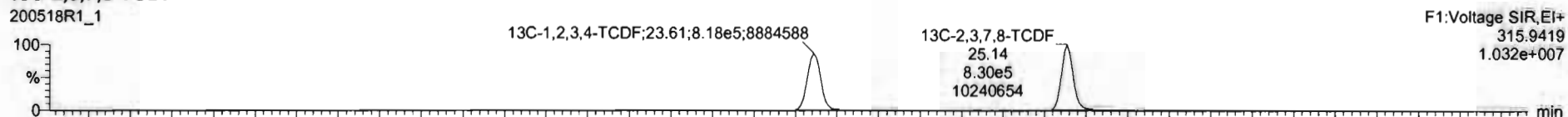
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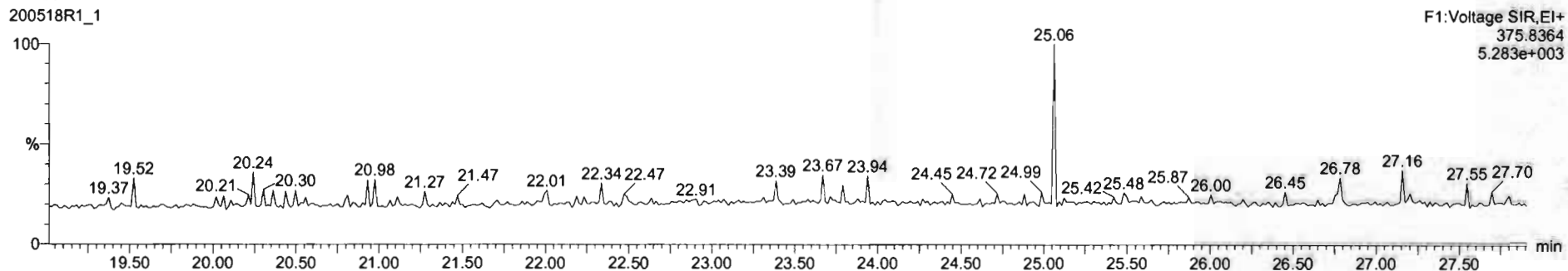
2,3,7,8-TCDF



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



DPE1



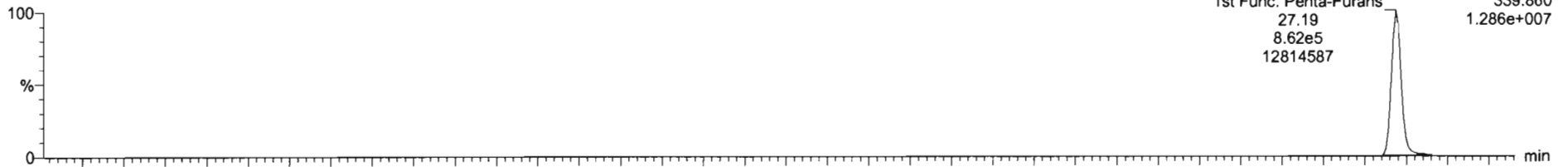
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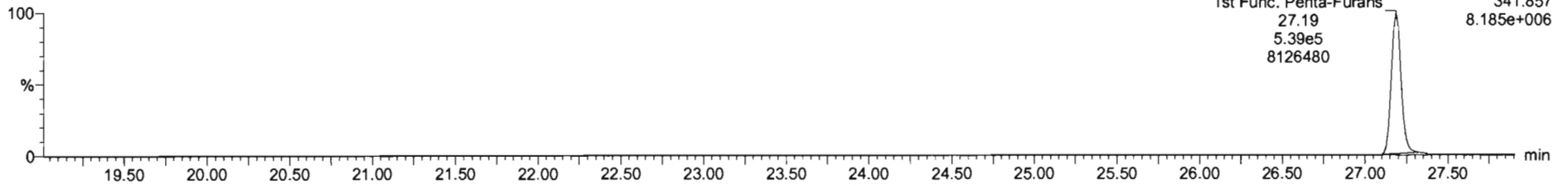
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1st Func. Penta-Furans

200518R1_1

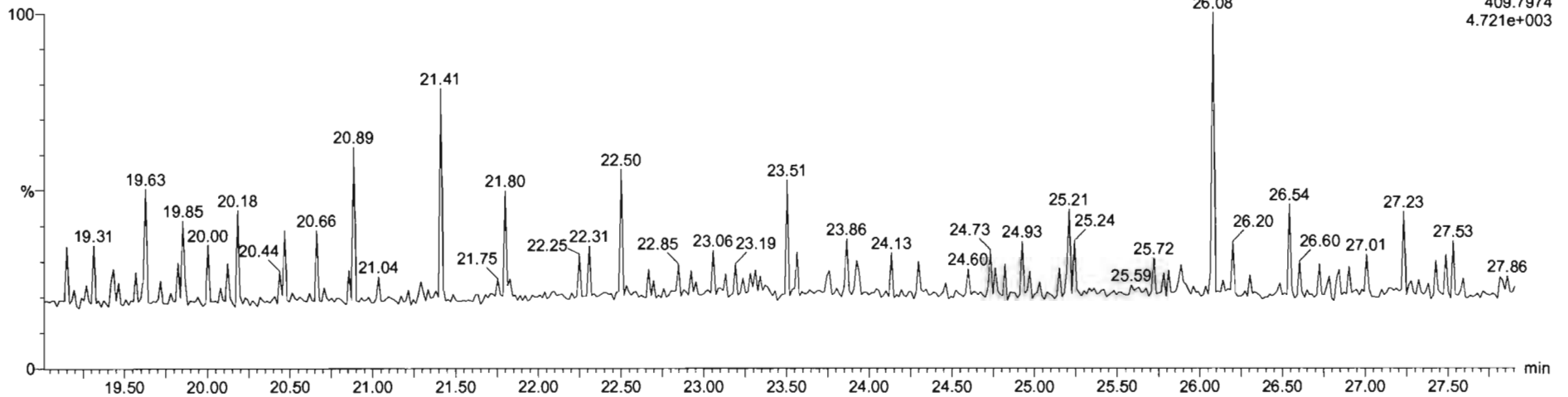


200518R1_1



DPE6

200518R1_1



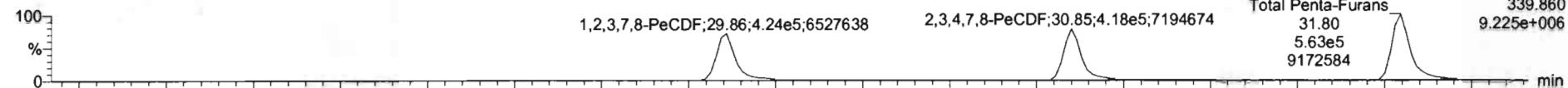
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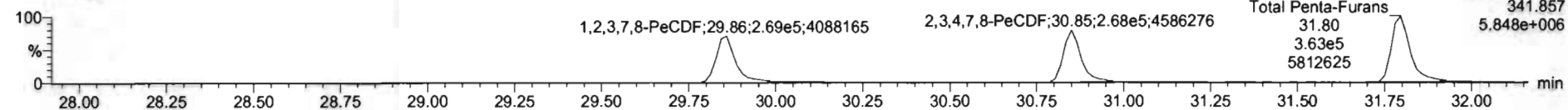
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1,2,3,7,8-PeCDF

200518R1_1

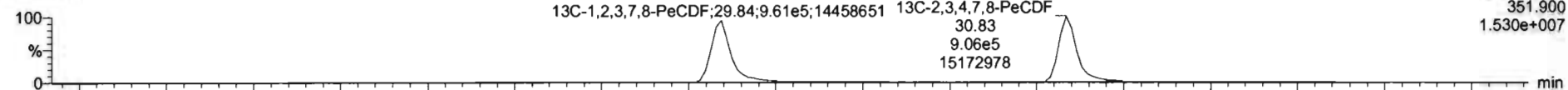


200518R1_1

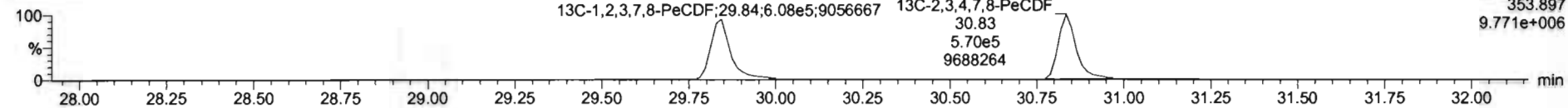


13C-1,2,3,7,8-PeCDF

200518R1_1

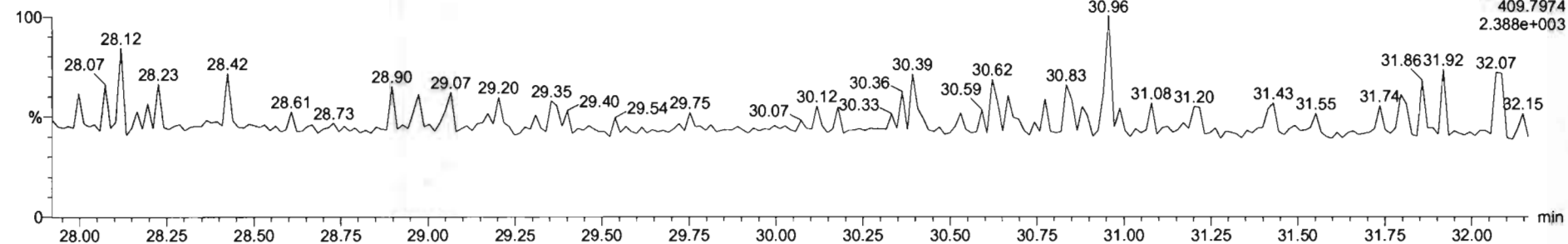


200518R1_1



DPE2

200518R1_1



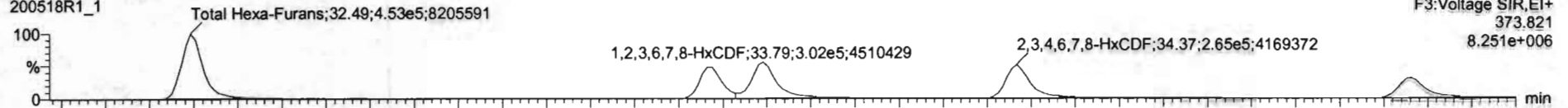
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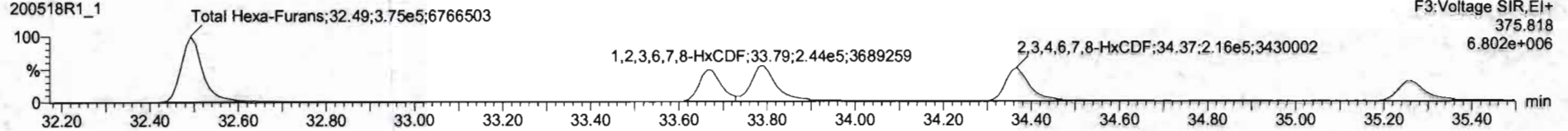
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1,2,3,4,7,8-HxCDF

200518R1_1

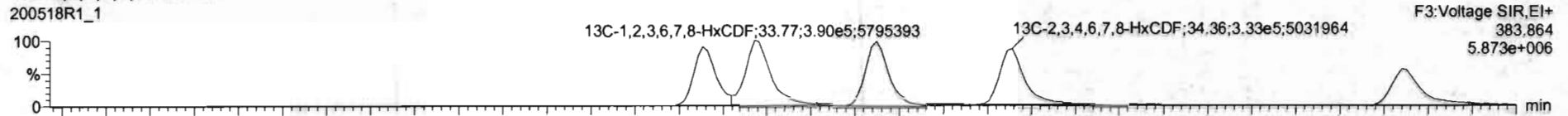


200518R1_1

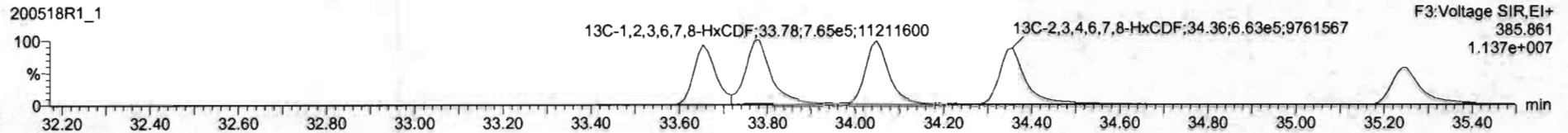


13C-1,2,3,4,7,8-HxCDF

200518R1_1

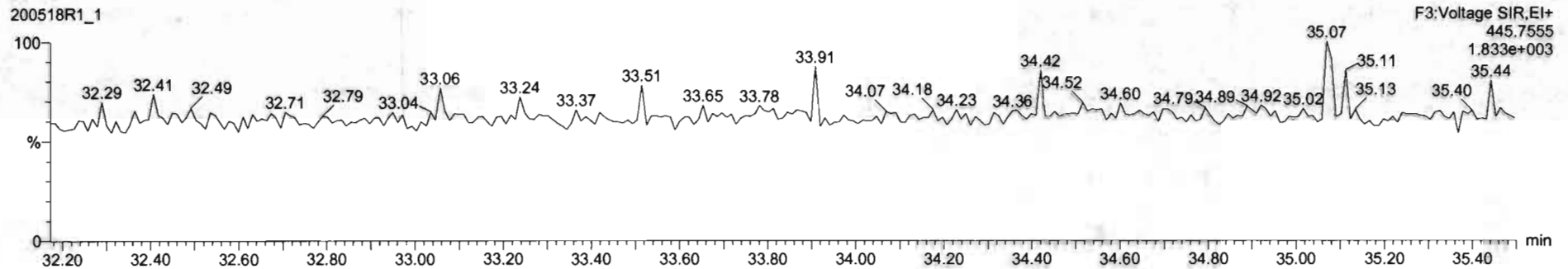


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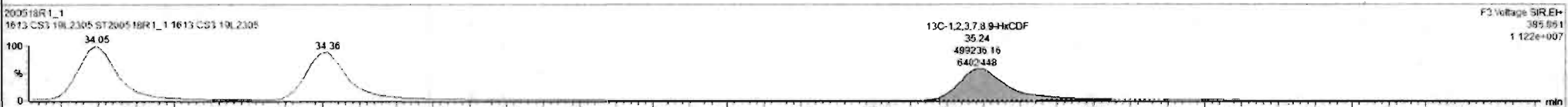
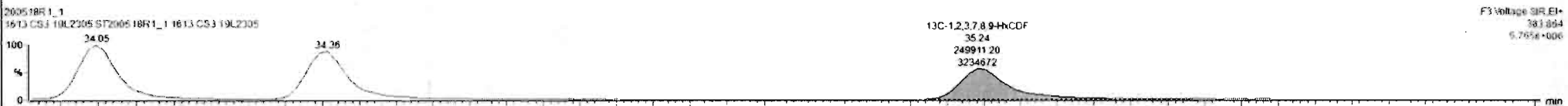
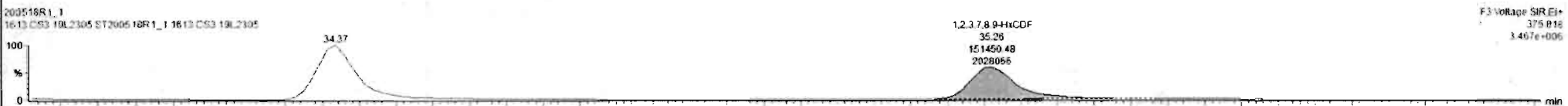
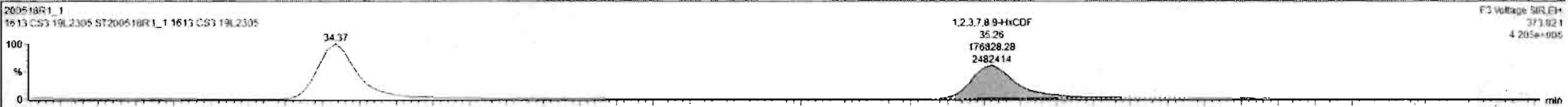


DPE3

200518R1_1



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	1.39e5	1.46e5	0.77	0.79	NO	0.9475	26.10	26.09	NO	1.001	1.001	18.0	100	NO
2	1,2,3,7,8-PeCDD	4.85e5	1.02e6	6.63	0.80	NO	0.9425	31.16	31.17	NO	1.001	1.001	48.2	96.4	NO
3	1,2,3,4,7,8-HxCDD	3.36e5	6.67e5	1.24	1.24	NO	1.0641	34.53	34.53	NO	1.000	1.000	47.4	94.6	NO
4	1,2,3,6,7,8-HxCDD	4.30e5	1.03e6	1.24	1.24	NO	0.9145	34.62	34.63	NO	1.000	1.000	45.6	91.7	NO
5	1,2,3,7,8,9-HxCDD	3.32e5	7.75e5	1.24	1.24	NO	0.9149	34.51	34.51	NO	1.000	1.000	46.9	93.6	NO
6	1,2,3,4,6,7,8-HpCDD	2.34e5	5.33e5	1.04	1.01	NO	0.8975	38.40	38.40	NO	1.000	1.000	48.9	87.7	NO
7	DLDD	4.69e5	1.02e6	0.89	0.87	NO	0.9335	41.38	41.39	NO	1.000	1.000	98.2	96.2	NO
8	2,3,7,8-TCDF	1.44e5	1.89e5	0.77	0.77	NO	0.7871	25.16	25.17	NO	1.001	1.001	9.66	96.8	NO
9	1,2,3,7,8-PeCDF	6.90e5	1.57e6	1.55	1.58	NO	0.9102	29.86	29.86	NO	1.001	1.001	48.5	97.0	NO
10	1,2,3,4,7,8-PeCDF	6.86e5	1.48e6	1.55	1.58	NO	0.9664	30.87	30.85	NO	1.001	1.000	48.1	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.13e5	6.52e5	1.24	1.21	NO	0.8782	33.65	33.67	NO	1.000	1.001	52.7	105	NO
12	1,2,3,6,7,8-HxCDF	5.46e5	1.15e6	1.24	1.23	NO	0.8740	33.78	33.79	NO	1.000	1.001	54.1	108	NO
13	1,2,3,4,6,7,8-HxCDF	4.62e5	9.97e5	1.24	1.23	NO	0.9217	34.39	34.37	NO	1.001	1.000	52.4	105	NO
14	1,2,3,7,8,9-HxCDF	3.29e5	7.49e5	1.24	1.17	NO	0.8642	35.24	35.26	NO	1.000	1.001	50.7	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.36e5	7.26e5	1.04	0.96	NO	0.8712	37.01	36.99	NO	1.001	1.000	53.0	106	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.51e5	1.04	1.02	NO	1.0116	36.98	36.99	NO	1.000	1.000	55.1	110	NO
17	OCDF	5.57e5	1.33e6	0.89	0.88	NO	0.8021	41.56	41.57	NO	1.000	1.000	105	105	NO
18	12C-2,3,7,8-TCDD	1.46e6	1.27e6	0.77	0.78	NO	1.1556	26.06	26.67	NO	1.026	1.027	99.3	99.3	NO
19	13C-1,2,3,7,8-PeCDD	1.02e6	1.27e6	0.62	0.63	NO	0.8472	31.18	31.14	NO	1.227	1.226	95.2	95.2	NO



Dataset: Untitled

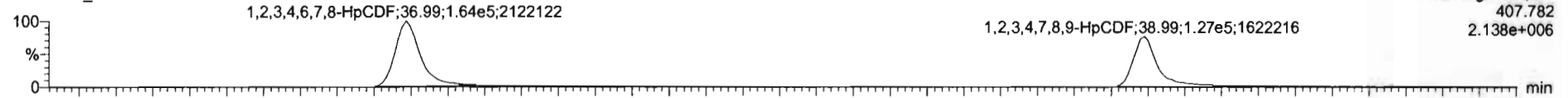
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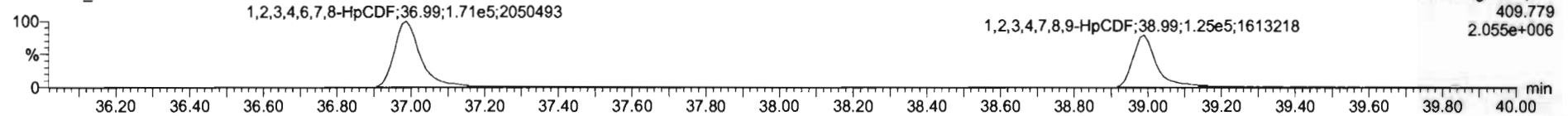
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1,2,3,4,6,7,8-HpCDF

200518R1_1

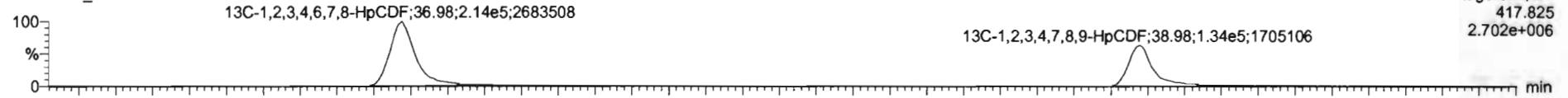


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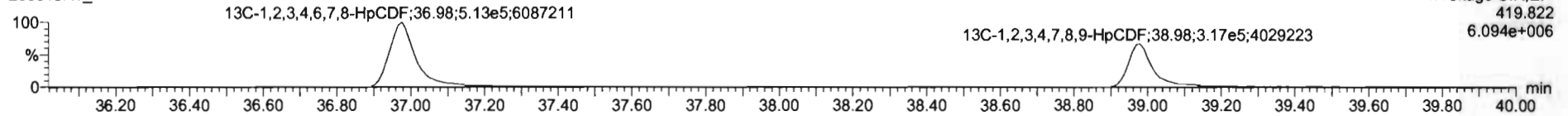


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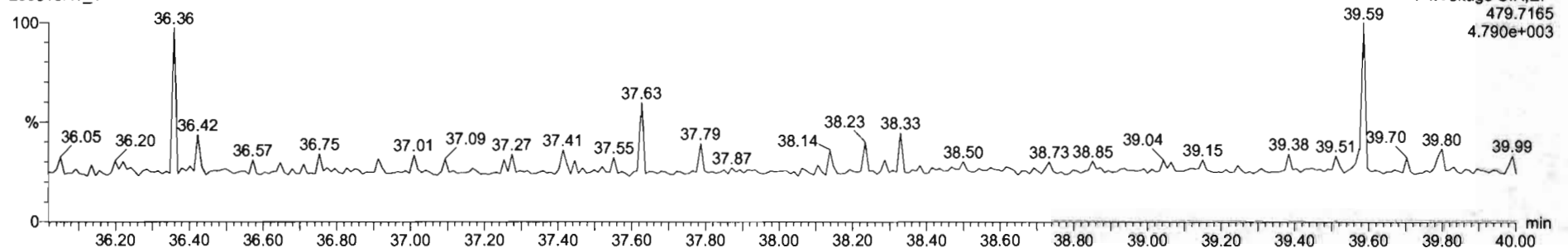


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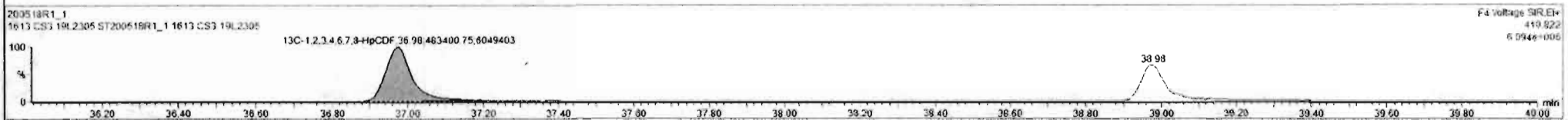
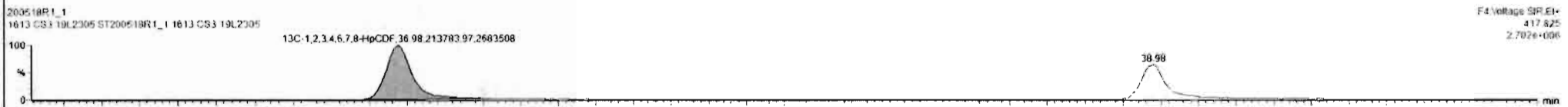
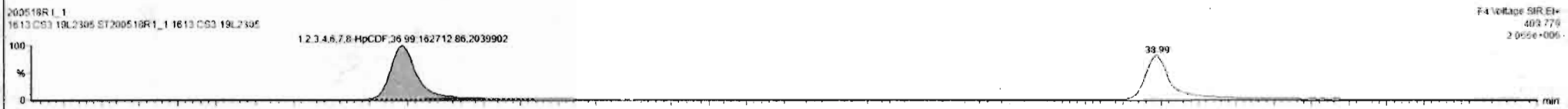
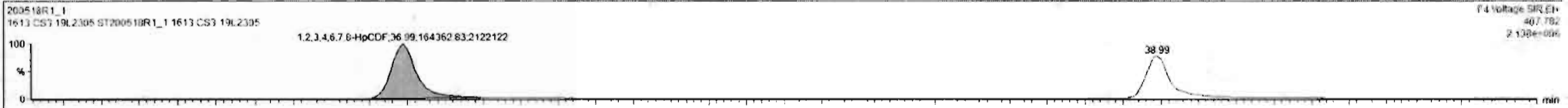


DPE4

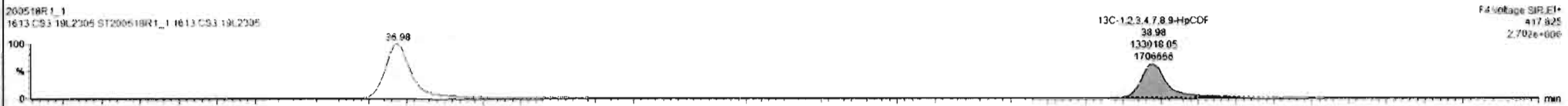
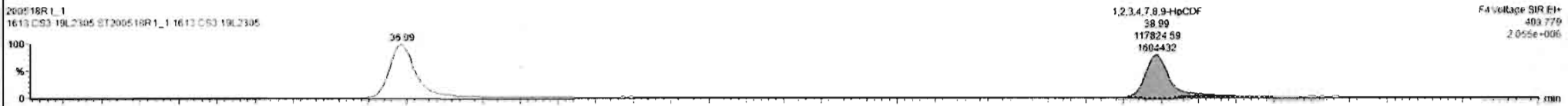
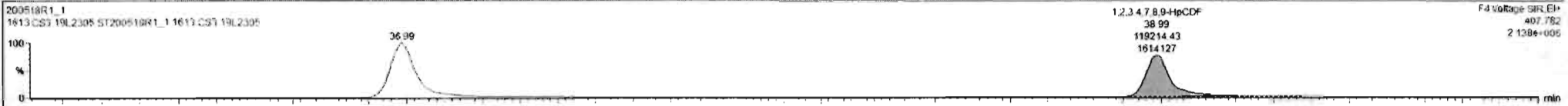
200518R1_1



#	Name	Resp	S Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.39e5	1.46e5	0.77	0.79	NO	0.9475	26.10	26.09	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	4.85e5	1.02e6	0.63	0.60	NO	0.9425	31.18	31.17	NO	1.001	1.001	48.2	96.4	NO
3	1,2,3,4,7,8-HxCDD	3.36e5	6.67e5	1.24	1.24	NO	1.0641	34.53	34.53	NO	1.000	1.000	47.4	94.6	NO
4	1,2,3,6,7,8-HxCDD	4.33e5	1.03e6	1.24	1.24	NO	0.9145	34.82	34.83	NO	1.000	1.000	45.8	91.7	NO
5	1,2,3,7,8,9-HxCDD	3.32e5	7.75e5	1.24	1.24	NO	0.9149	34.91	34.91	NO	1.000	1.000	46.8	93.6	NO
6	1,2,3,4,6,7,8-HpCDD	2.34e5	5.33e5	1.04	1.01	NO	0.9975	38.40	38.40	NO	1.000	1.000	48.6	97.7	NO
7	OCDD	4.69e5	1.02e6	0.89	0.87	NO	0.9335	41.38	41.39	NO	1.000	1.000	98.2	96.2	NO
8	1,2,3,7,8-TCDF	1.44e5	1.89e6	0.77	0.77	NO	0.7871	25.16	25.17	NO	1.001	1.001	9.86	96.8	NO
9	1,2,3,7,8-PeCDF	6.93e5	1.57e6	1.55	1.58	NO	0.9102	29.86	29.86	NO	1.001	1.001	48.5	97.0	NO
10	1,2,3,4,7,8-PeCDF	6.86e5	1.48e6	1.55	1.56	NO	0.9564	30.27	30.25	NO	1.001	1.000	48.1	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.13e5	8.52e5	1.24	1.21	NO	0.8782	33.85	33.67	NO	1.000	1.001	52.7	105	NO
12	1,2,3,6,7,8-HxCDF	5.46e5	1.15e6	1.24	1.23	NO	0.8740	33.78	33.79	NO	1.000	1.001	54.1	108	NO
13	1,2,3,4,6,7,8-HxCDF	4.82e5	9.97e5	1.24	1.23	NO	0.9217	34.39	34.37	NO	1.001	1.000	52.4	105	NO
14	1,2,3,7,8,9-HxCDF	3.26e5	7.43e5	1.24	1.17	NO	0.8542	35.24	35.26	NO	1.000	1.001	50.7	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.27e5	6.87e6	1.04	1.01	NO	0.8712	37.01	36.99	NO	1.001	1.000	53.0	105	NO
16	1,2,3,4,7,8,9-HpCDF	2.51e5	4.51e5	1.04	1.02	NO	1.0115	38.96	38.99	NO	1.000	1.000	55.1	110	NO
17	OCDF	5.57e5	1.33e6	0.89	0.88	NO	0.8021	41.56	41.57	NO	1.000	1.000	105	105	NO
18	13C-1,2,3,7,8-TCDD	1.46e6	1.27e6	0.77	0.78	NO	1.1595	26.06	26.07	NO	1.026	1.027	99.3	99.3	NO
19	13C-1,2,3,7,8-PeCDD	1.02e6	1.27e6	0.63	0.63	NO	0.8472	31.18	31.14	NO	1.227	1.226	95.2	95.2	NO



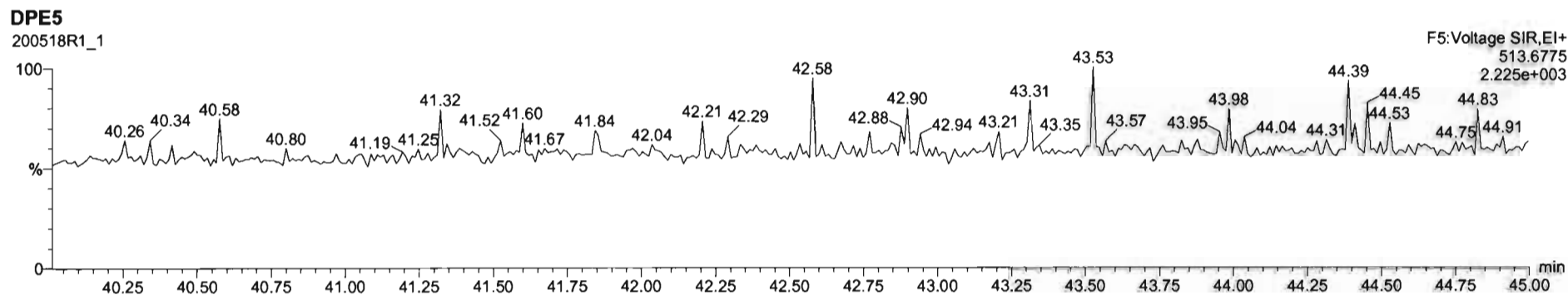
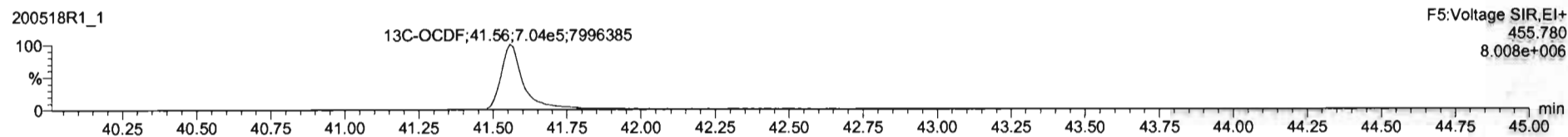
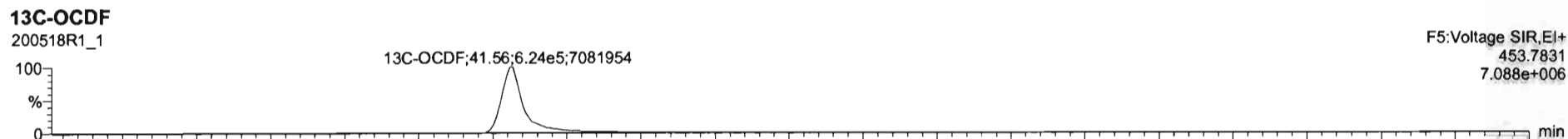
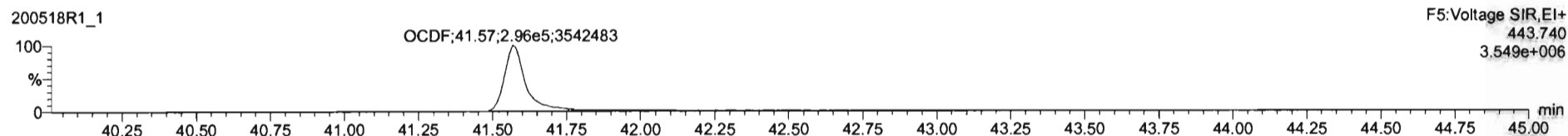
#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.70e5	1.46e5	0.77	0.79	NO	0.9475	26.10	26.09	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	4.65e5	1.02e5	0.63	0.50	NO	0.9425	31.16	31.17	NO	1.001	1.001	48.2	96.4	NO
3	1,2,3,4,7,8-HxCDD	3.26e5	6.67e5	1.24	1.24	NO	1.0641	34.53	34.53	NO	1.000	1.000	47.4	94.8	NO
4	1,2,3,6,7,8-HxCDD	4.33e5	1.03e5	1.24	1.24	NO	0.9145	34.62	34.63	NO	1.000	1.000	45.8	91.7	NO
5	1,2,3,7,8,9-HxCDD	3.32e5	7.75e5	1.24	1.24	NO	0.9140	34.61	34.61	NO	1.000	1.000	46.8	93.6	NO
6	1,2,3,4,6,7,8-HpCDD	2.34e5	5.33e5	1.04	1.01	NO	0.8975	36.40	36.40	NO	1.000	1.000	46.9	93.7	NO
7	OCDD	4.60e5	1.02e5	0.60	0.67	NO	0.9335	41.35	41.39	NO	1.000	1.000	98.2	98.2	NO
8	2,3,7,8-TCDF	1.44e5	1.89e5	0.77	0.77	NO	0.7571	25.16	25.17	NO	1.001	1.001	9.66	96.8	NO
9	1,2,3,7,8-PeCDF	6.93e5	1.57e5	1.55	1.58	NO	0.9102	29.96	29.96	NO	1.001	1.001	48.5	97.0	NO
10	1,2,3,4,7,8-PeCDF	6.85e5	1.48e5	1.55	1.55	NO	0.9564	30.87	30.85	NO	1.001	1.000	48.1	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.13e5	8.52e5	1.24	1.21	NO	0.8782	33.65	33.67	NO	1.000	1.001	52.7	105	NO
12	1,2,3,6,7,8-HxCDF	5.46e5	1.15e5	1.24	1.23	NO	0.8740	33.72	33.76	NO	1.000	1.001	54.1	108	NO
13	1,2,3,4,6,7,8-HxCDF	4.02e5	9.97e5	1.24	1.23	NO	0.9217	34.39	34.37	NO	1.001	1.000	52.4	105	NO
14	1,2,3,7,8,9-HxCDF	3.28e5	7.49e5	1.24	1.17	NO	0.8542	35.24	35.26	NO	1.000	1.001	50.7	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.27e5	6.97e5	1.04	1.01	NO	0.8712	37.01	36.99	NO	1.001	1.000	53.8	108	NO
16	1,2,3,4,7,8,9-HpCDF	2.37e5	4.49e5	1.04	1.01	NO	1.0116	38.96	38.96	NO	1.000	1.000	52.1	104	NO
17	OCDF	5.57e5	1.33e5	0.66	0.66	NO	0.8021	41.56	41.57	NO	1.000	1.000	105	105	NO
18	13C-2,3,7,8-TCDD	1.46e6	1.27e6	0.77	0.78	NO	1.1595	26.06	26.07	NO	1.026	1.027	99.3	99.3	NO
19	13C-1,2,3,7,8-PeCDD	1.02e6	1.27e6	0.63	0.63	NO	0.8472	31.16	31.14	NO	1.227	1.228	95.2	95.2	NO



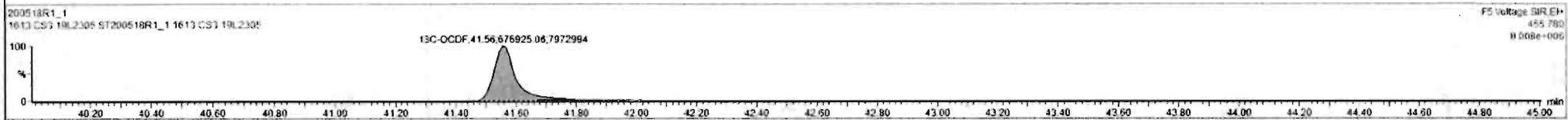
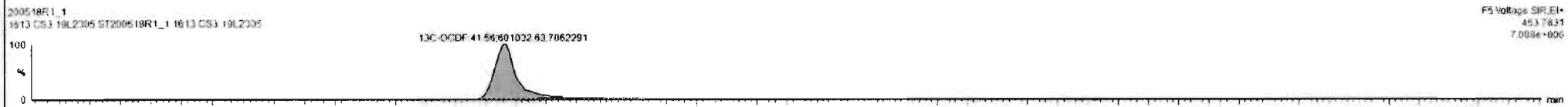
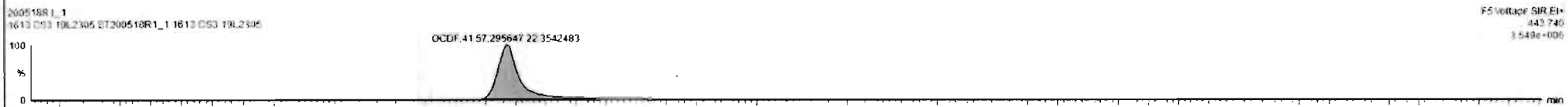
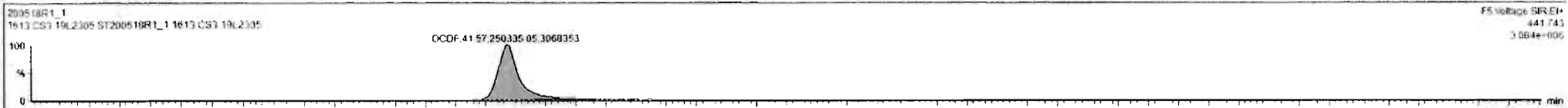
Dataset: Untitled

Last Altered: Monday, May 18, 2020 09:08:09 Pacific Daylight Time
Printed: Monday, May 18, 2020 09:09:33 Pacific Daylight Time

Name: 200518R1_1, Date: 18-May-2020, Time: 08:21:51, ID: ST200518R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



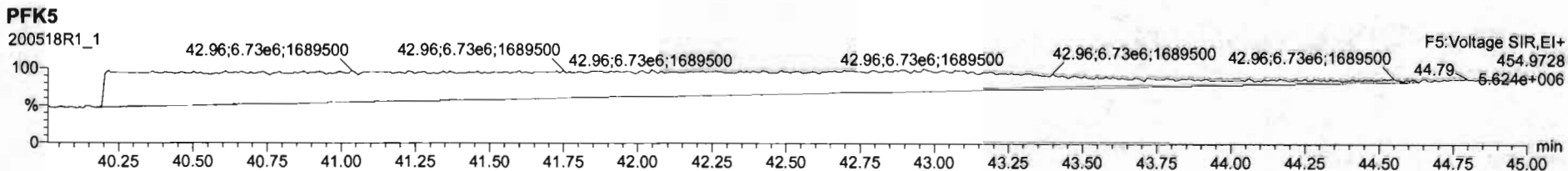
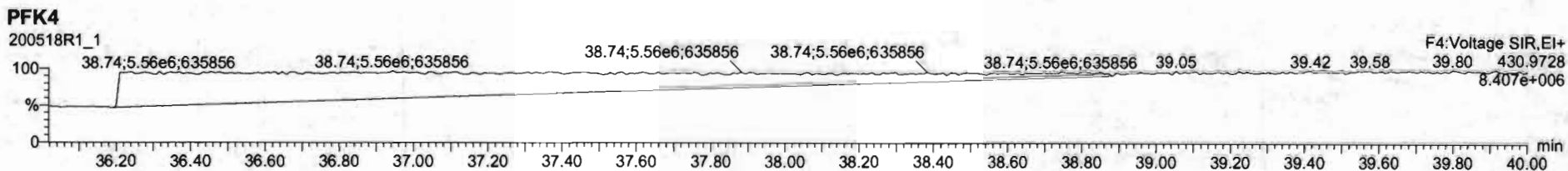
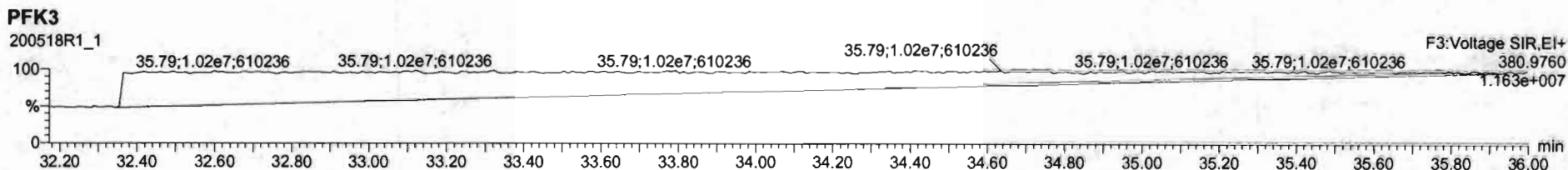
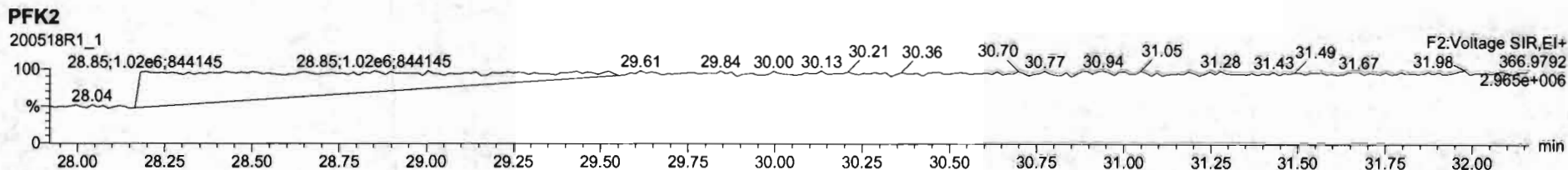
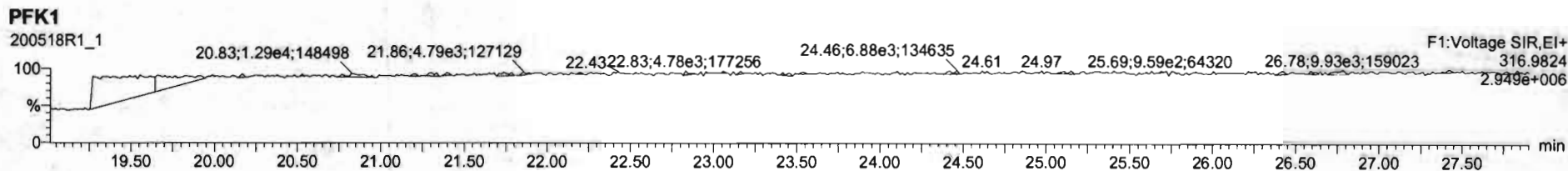
#	Name	Resp	IS Resp	Pred RA	RA	nHy	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	2,3,7,8-TCDD	1.38e5	1.46e5	0.77	0.79	NO	0.9475	26.10	26.09	NO	1.001	1.001	10.0	100	NO
2	1,2,3,7,8-PeCDD	4.66e5	1.02e5	0.63	0.50	NO	0.9425	31.16	31.17	NO	1.001	1.001	48.2	96.4	NO
3	1,2,3,4,7,8-HxCDD	3.36e5	6.67e5	1.24	1.24	NO	1.0641	34.53	34.53	NO	1.000	1.000	-17.4	94.6	NO
4	1,2,3,6,7,8-HxCDD	4.33e5	1.03e5	1.24	1.24	NO	0.9145	34.42	34.63	NO	1.000	1.000	45.6	91.7	NO
5	1,2,3,7,8,9-HxCDD	3.32e5	7.75e5	1.24	1.24	NO	0.9149	34.91	34.91	NO	1.000	1.000	46.8	93.6	NO
6	1,2,3,4,6,7,8-HpCDD	2.34e5	5.33e5	1.04	1.01	NO	0.9975	36.40	36.40	NO	1.000	1.000	48.9	97.7	NO
7	OCDD	4.69e5	1.02e5	0.69	0.87	NO	0.9355	41.38	41.39	NO	1.000	1.000	98.2	98.2	NO
8	2,3,7,8-TCDF	1.44e5	1.89e5	0.77	0.77	NO	0.7871	25.16	25.17	NO	1.001	1.001	9.66	96.8	NO
9	1,2,3,7,8-PeCDF	6.93e5	1.57e5	1.55	1.58	NO	0.9162	29.86	29.86	NO	1.001	1.001	48.5	97.0	NO
10	2,3,4,7,8-PeCDF	6.95e5	1.48e5	1.55	1.56	NO	0.9664	30.87	30.85	NO	1.001	1.000	48.1	96.1	NO
11	1,2,3,4,7,8-HxCDF	4.13e5	6.52e5	1.24	1.21	NO	0.8782	33.65	33.67	NO	1.000	1.001	52.7	105	NO
12	1,2,3,5,7,8-HxCDF	5.46e5	1.15e5	1.24	1.23	NO	0.8740	33.78	33.79	NO	1.000	1.001	54.1	108	NO
13	2,3,4,6,7,8-HxCDF	4.62e5	9.97e5	1.24	1.23	NO	0.9217	34.39	34.37	NO	1.001	1.000	52.4	105	NO
14	1,2,3,7,8,9-HxCDF	3.26e5	7.49e5	1.24	1.17	NO	0.8542	35.24	35.26	NO	1.000	1.001	50.7	101	NO
15	1,2,3,4,6,7,8-HpCDF	3.27e5	6.57e5	1.04	1.01	NO	0.8712	37.01	36.99	NO	1.001	1.000	53.8	108	NO
16	1,2,3,4,7,8,9-HpCDF	2.37e5	4.49e5	1.04	1.01	NO	1.0115	38.98	38.96	NO	1.000	1.000	52.1	104	NO
17	OCDF	3.40e5	1.22e5	0.69	0.65	NO	0.6921	41.56	41.57	NO	1.000	1.000	107	107	NO
18	13C-2,3,7,8-TCDD	1.46e6	1.27e5	0.77	0.78	NO	1.1595	26.06	26.07	NO	1.026	1.027	99.3	99.3	NO
19	13C-1,2,3,7,8-PeCDD	1.02e6	1.27e5	0.63	0.63	NO	0.8472	31.16	31.14	NO	1.227	1.226	95.2	95.2	NO



Dataset: Untitled

Last Altered: Monday, May 18, 2020 09:08:09 Pacific Daylight Time
Printed: Monday, May 18, 2020 09:09:33 Pacific Daylight Time

Name: 200518R1_1, Date: 18-May-2020, Time: 08:21:51, ID: ST200518R1_1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



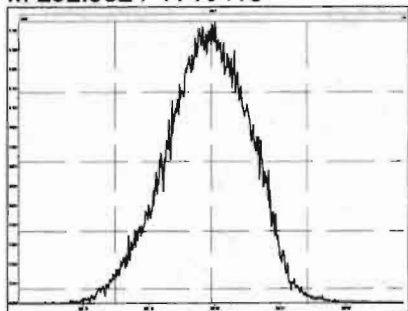
Experiment Calibration Report

MassLynx 4.1 SCN815

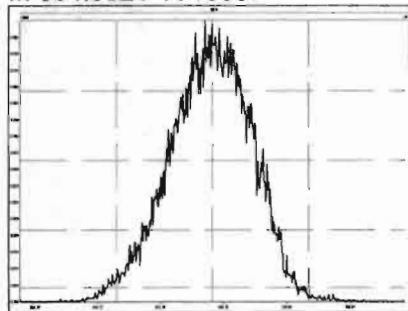
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, May 18, 2020 13:53:01 Pacific Daylight Time

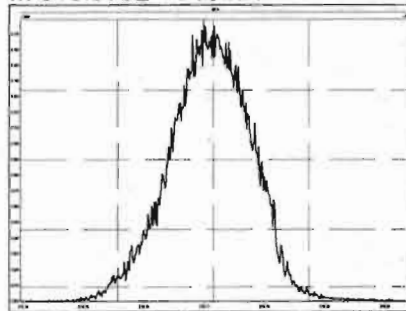
M 292.9824 R 10416



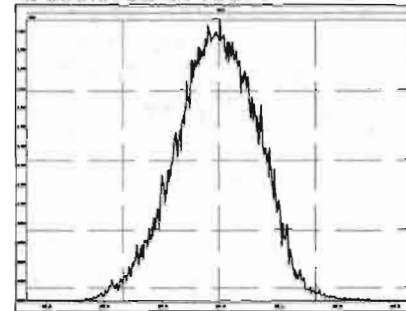
M 304.9824 R 10037



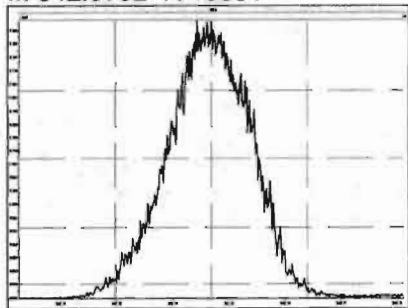
M 318.9792 R 10081



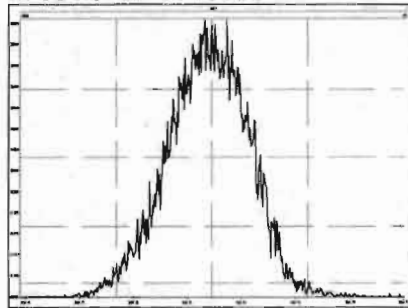
M 330.9792 R 10371



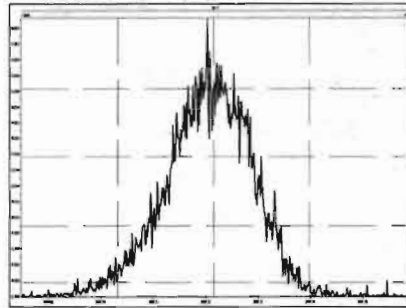
M 342.9792 R 10331



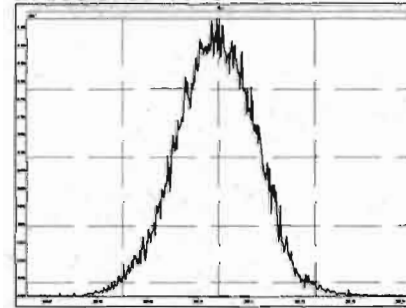
M 354.9792 R 10503



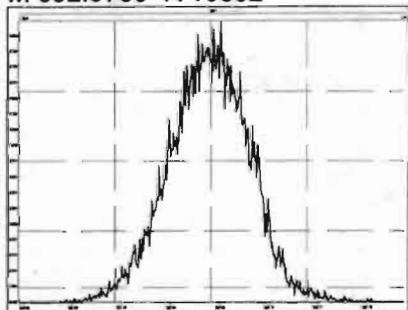
M 366.9792 R 10077



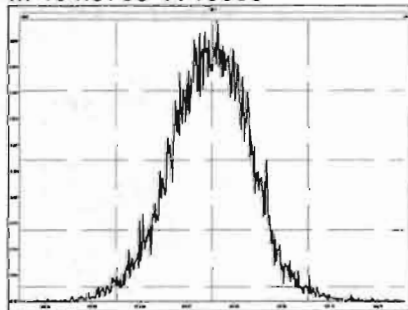
M 380.9760 R 10775



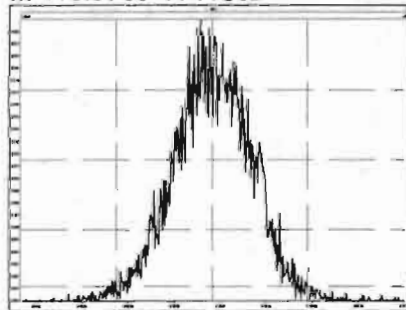
M 392.9760 R 10502



M 404.9760 R 10080



M 416.9760 R 11362



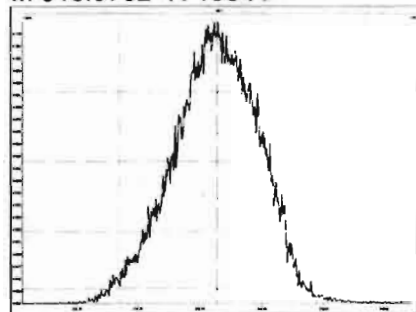
Experiment Calibration Report

MassLynx 4.1 SCN815

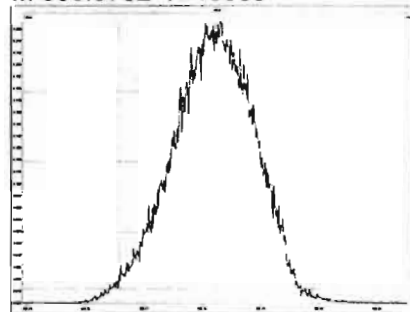
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, May 18, 2020 13:55:03 Pacific Daylight Time

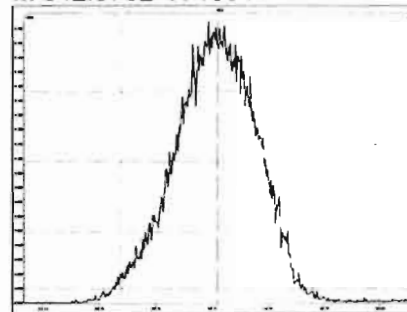
M 318.9792 R 10041



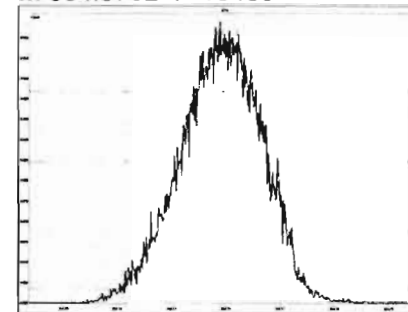
M 330.9792 R 10039



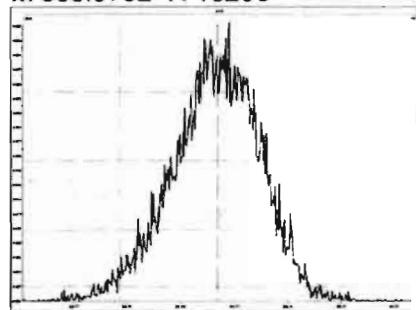
M 342.9792 R 10041



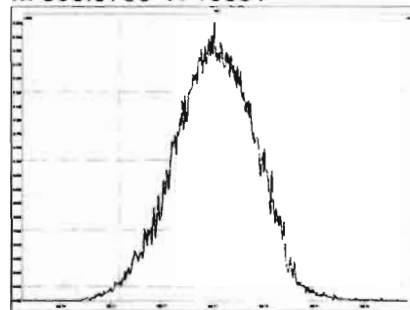
M 354.9792 R 10460



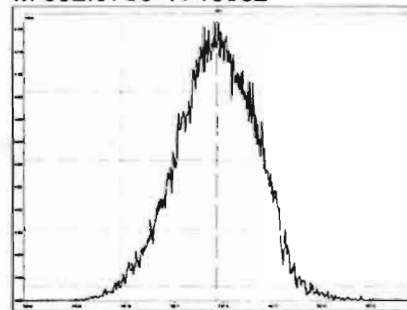
M 366.9792 R 10290



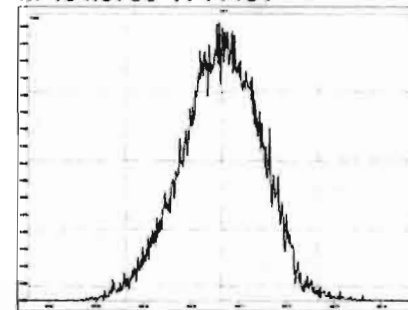
M 380.9760 R 10081



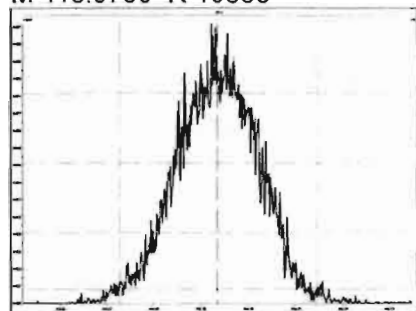
M 392.9760 R 10682



M 404.9760 R 11161



M 416.9760 R 10868



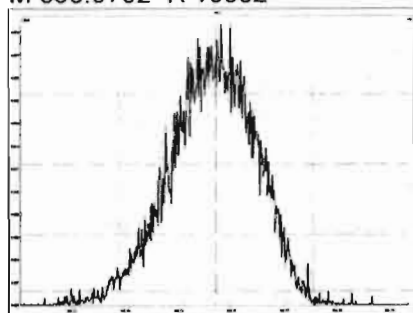
Experiment Calibration Report

MassLynx 4.1 SCN815

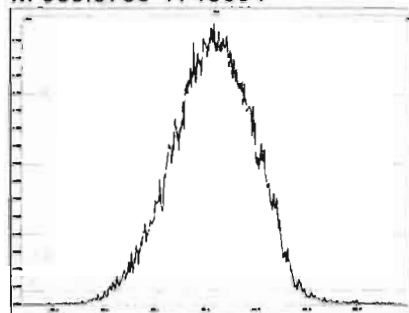
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, May 18, 2020 13:57:22 Pacific Daylight Time

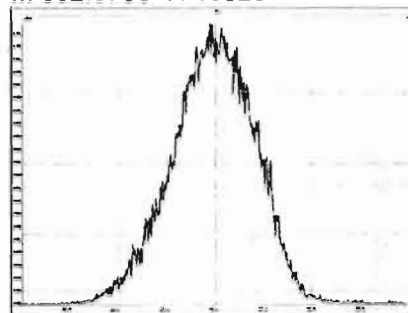
M 366.9792 R 10002



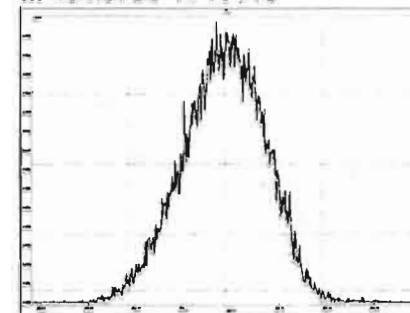
M 380.9760 R 10594



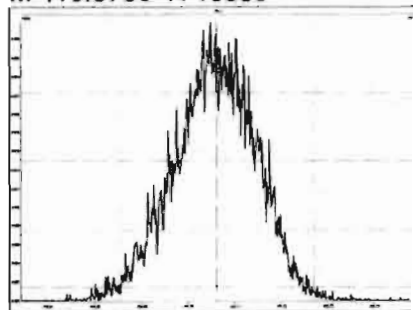
M 392.9760 R 10329



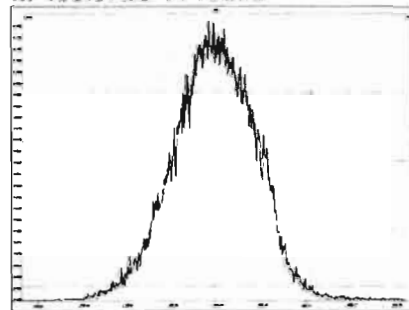
M 404.9760 R 10118



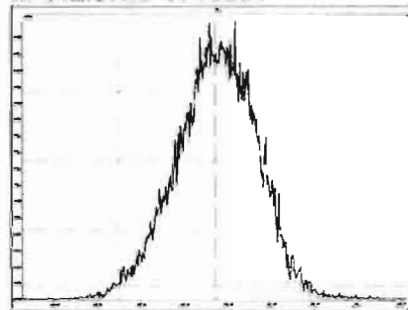
M 416.9760 R 10683



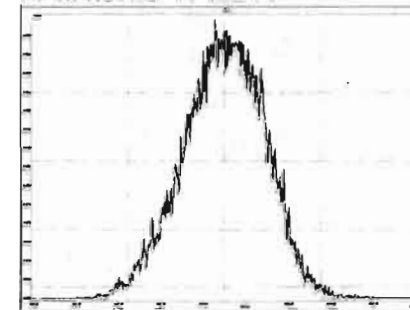
M 430.9728 R 10375



M 442.9728 R 10081



M 454.9728 R 10244



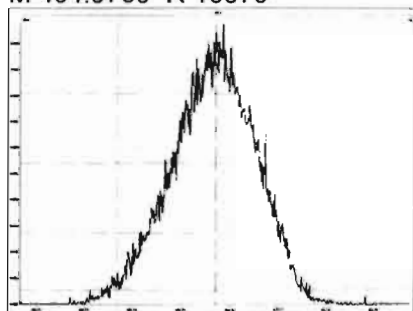
Experiment Calibration Report

MassLynx 4.1 SCN815

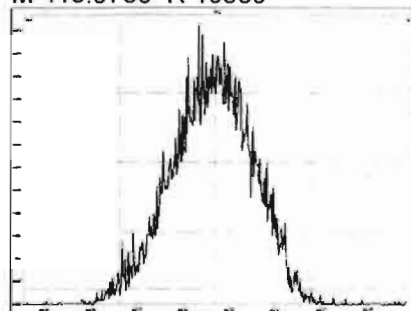
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, May 18, 2020 13:58:12 Pacific Daylight Time

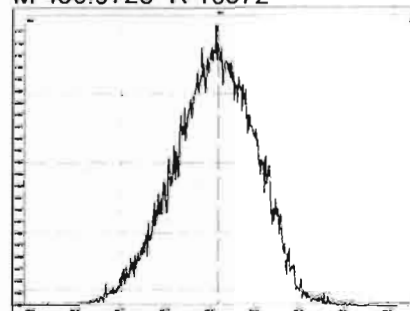
M 404.9760 R 10079



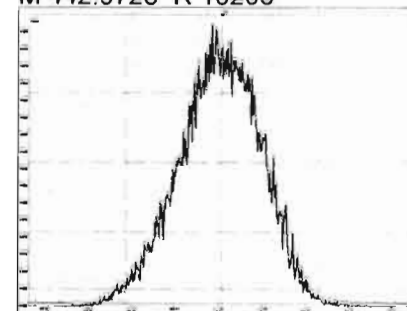
M 416.9760 R 10639



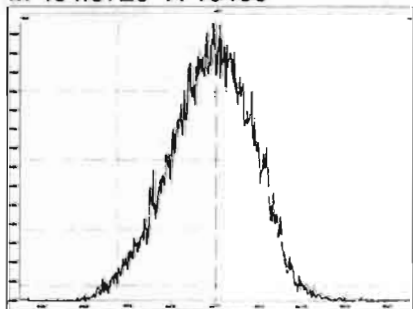
M 430.9728 R 10372



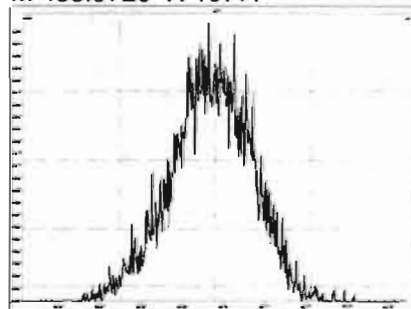
M 442.9728 R 10205



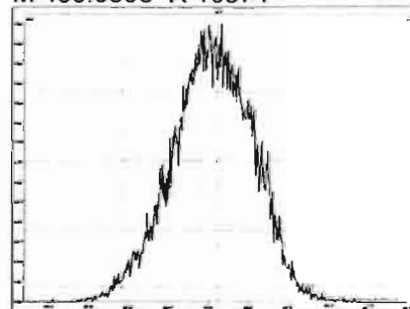
M 454.9728 R 10460



M 466.9728 R 10777



M 480.9696 R 10374



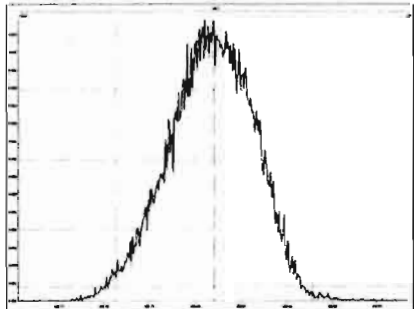
Experiment Calibration Report

MassLynx 4.1 SCN815

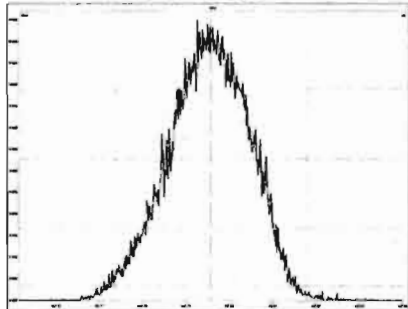
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, May 18, 2020 13:59:11 Pacific Daylight Time

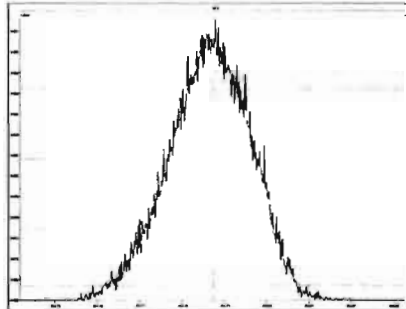
M 430.9728 R 10247



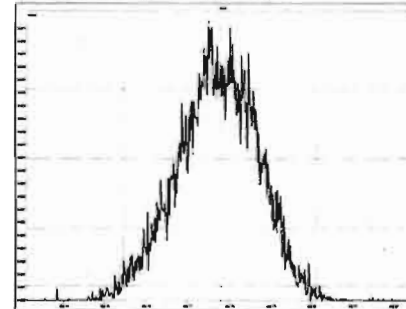
M 442.9728 R 10203



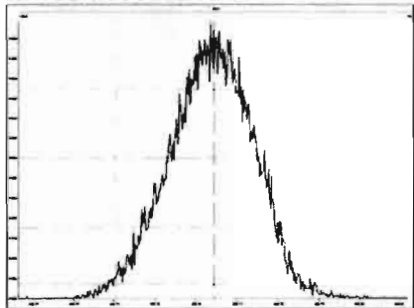
M 454.9728 R 10546



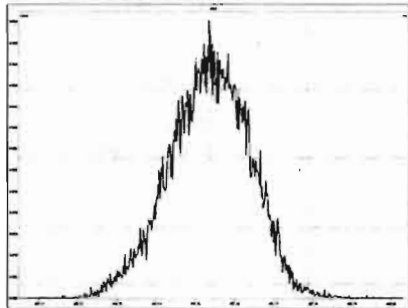
M 466.9728 R 10504



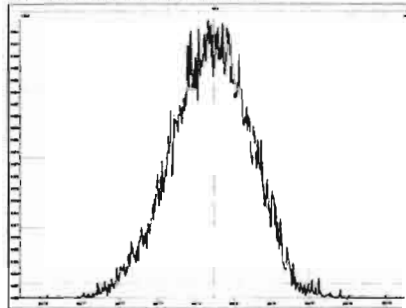
M 480.9696 R 10244



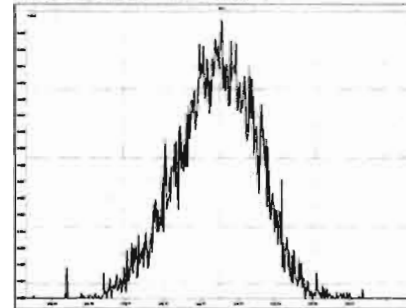
M 492.9696 R 10594



M 504.9696 R 10822



M 516.9697 R 10871



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200605D1-1

Reviewed By: CT 06/08/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input type="checkbox"/> NA	
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:		
Correct ICAL referenced?	<u>DB</u>	<u>DB</u>			
<u>Run Log:</u>					
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
- Samples within 12 hour clock?	(Y)	N			
- Bottle position verified?	<u>DB</u>				

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_1.qld

Last Altered: Friday, June 05, 2020 13:10:06 Pacific Daylight Time
Printed: Friday, June 05, 2020 13:10:55 Pacific Daylight Time

DB 6/5/20

C706/06/2020

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

Name: 200605D1_1, Date: 05-Jun-2020, Time: 12:21:35, ID: ST200605D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	7.82e3	0.84	NO	0.987	1.000	26.112	26.10	1.001	1.001	8.4735	84.7 <i>78-129</i>	0.177	8.47
2	2 1,2,3,7,8-PeCDD	3.05e4	0.61	NO	0.982	1.000	30.670	30.65	1.001	1.000	46.255	92.5 <i>78-130</i>	0.285	46.3
3	3 1,2,3,4,7,8-HxCDD	2.75e4	1.24	NO	1.17	1.000	33.960	33.96	1.000	1.000	46.814	93.6 <i>78-128</i>	0.396	46.8
4	4 1,2,3,6,7,8-HxCDD	3.02e4	1.29	NO	1.04	1.000	34.060	34.07	1.000	1.000	45.086	90.2 <i>78-128</i>	0.360	45.1
5	5 1,2,3,7,8,9-HxCDD	2.79e4	1.33	NO	1.00	1.000	34.379	34.37	1.001	1.001	45.384	90.8 <i>82-122</i>	0.423	45.4
6	6 1,2,3,4,6,7,8-HpCDD	2.35e4	1.03	NO	0.992	1.000	37.835	37.83	1.000	1.000	48.269	96.5 <i>86-116</i>	0.466	48.3
7	7 OCDD	4.28e4	0.87	NO	1.04	1.000	41.071	41.09	1.000	1.001	92.179	92.2 <i>79-126</i>	0.661	92.2
8	8 2,3,7,8-TCDF	9.47e3	0.74	NO	0.882	1.000	25.326	25.32	1.001	1.001	8.8263	88.3 <i>84-120</i>	0.146	8.83
9	9 1,2,3,7,8-PeCDF	4.66e4	1.68	NO	1.05	1.000	29.482	29.46	1.001	1.000	41.637	83.3 <i>82-120</i>	0.152	41.6
10	10 2,3,4,7,8-PeCDF	4.50e4	1.60	NO	1.06	1.000	30.377	30.37	1.001	1.001	41.053	82.1 <i>82-120</i>	0.156	41.1
11	11 1,2,3,4,7,8-HxCDF	3.87e4	1.22	NO	1.08	1.000	33.061	33.07	1.000	1.000	45.479	91.0 <i>90-112</i>	0.354	45.5
12	12 1,2,3,6,7,8-HxCDF	4.27e4	1.23	NO	1.04	1.000	33.192	33.20	1.000	1.001	46.701	93.4 <i>88-114</i>	0.373	46.7
13	13 2,3,4,6,7,8-HxCDF	4.05e4	1.25	NO	1.11	1.000	33.808	33.79	1.001	1.000	47.182	94.4 <i>88-114</i>	0.401	47.2
14	14 1,2,3,7,8,9-HxCDF	3.23e4	1.23	NO	1.06	1.000	34.718	34.73	1.000	1.000	46.205	92.4 <i>90-112</i>	0.559	46.2
15	15 1,2,3,4,6,7,8-HpCDF	3.28e4	1.05	NO	1.13	1.000	36.587	36.57	1.001	1.001	45.950	91.9 <i>90-110</i>	0.459	45.9
16	16 1,2,3,4,7,8,9-HpCDF	2.71e4	1.02	NO	1.33	1.000	38.350	38.36	1.000	1.000	46.768	93.5 <i>86-116</i>	0.461	46.8
17	17 OCDF	5.04e4	0.92	NO	0.933	1.000	41.291	41.30	1.000	1.000	92.922	92.9 <i>63-159</i>	0.456	92.9
18	18 13C-2,3,7,8-TCDD	9.35e4	0.76	NO	1.21	1.000	26.179	26.08	1.026	1.022	99.124	99.1 <i>82-121</i>	0.568	
19	19 13C-1,2,3,7,8-PeCDD	6.71e4	0.62	NO	0.996	1.000	30.669	30.65	1.202	1.201	86.184	86.2 <i>62-160</i>	0.339	
20	20 13C-1,2,3,4,7,8-HxCDD	5.01e4	1.33	NO	0.679	1.000	33.936	33.95	1.014	1.014	97.328	97.3 <i>85-117</i>	0.606	
21	21 13C-1,2,3,6,7,8-HxCDD	6.46e4	1.25	NO	0.850	1.000	34.046	34.06	1.017	1.018	100.28	100 <i>85-118</i>	0.484	
22	22 13C-1,2,3,7,8,9-HxCDD	6.12e4	1.23	NO	0.798	1.000	34.317	34.34	1.025	1.026	101.10	101 <i>85-118</i>	0.515	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.92e4	1.06	NO	0.697	1.000	37.784	37.82	1.129	1.130	93.020	93.0 <i>72-138</i>	0.749	
24	24 13C-OCDD	8.96e4	0.91	NO	0.579	1.000	40.810	41.07	1.219	1.227	204.15	102 <i>48-207</i>	1.06	
25	25 13C-2,3,7,8-TCDF	1.22e5	0.74	NO	1.13	1.000	25.260	25.30	0.990	0.992	95.723	95.7 <i>71-140</i>	0.780	
26	26 13C-1,2,3,7,8-PeCDF	1.07e5	1.61	NO	0.996	1.000	29.488	29.46	1.156	1.155	95.336	95.3 <i>76-130</i>	0.719	
27	27 13C-2,3,4,7,8-PeCDF	1.03e5	1.62	NO	0.969	1.000	30.389	30.35	1.191	1.189	94.517	94.5 <i>77-130</i>	0.739	
28	28 13C-1,2,3,4,7,8-HxCDF	7.85e4	0.49	NO	1.06	1.000	33.065	33.06	0.988	0.988	97.862	97.9 <i>76-131</i>	0.712	
29	29 13C-1,2,3,6,7,8-HxCDF	8.77e4	0.51	NO	1.18	1.000	33.199	33.18	0.992	0.991	98.405	98.4 <i>70-143</i>	0.641	
30	30 13C-2,3,4,6,7,8-HxCDF	7.72e4	0.49	NO	1.06	1.000	33.772	33.77	1.009	1.009	96.310	96.3 <i>73-137</i>	0.713	
31	31 13C-1,2,3,7,8,9-HxCDF	6.61e4	0.49	NO	0.879	1.000	34.672	34.72	1.036	1.037	99.153	99.2 <i>74-135</i>	0.856	

Dataset: U:\VG7.PRO\Results\200605D1\200605D1_1.qld

Last Altered: Friday, June 05, 2020 13:10:06 Pacific Daylight Time

Printed: Friday, June 05, 2020 13:10:55 Pacific Daylight Time

Name: 200605D1_1, Date: 05-Jun-2020, Time: 12:21:35, ID: ST200605D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.32e4	0.41	NO	0.893	1.000	36.379	36.55	1.087	1.092	93.359	93.4 78-129	0.669	
33	13C-1,2,3,4,7,8,9-HpCDF	4.35e4	0.41	NO	0.613	1.000	38.387	38.35	1.147	1.146	93.413	93.4 77-129	0.973	
34	13C-OCDF	1.16e5	0.89	NO	0.741	1.000	40.964	41.29	1.224	1.234	207.08	104 48-207	0.674	
35	37Cl-2,3,7,8-TCDD	7.85e3			1.18	1.000	26.176	26.11	1.026	1.023	8.5087	85.1 79-127	0.119	
36	13C-1,2,3,4-TCDD	7.82e4	0.80	NO	1.00	1.000	25.480	25.52	1.000	1.000	100.00	100	0.685	
37	13C-1,2,3,4-TCDF	1.13e5	0.75	NO	1.00	1.000	24.020	24.06	1.000	1.000	100.00	100	0.880	
38	13C-1,2,3,4,6,9-HxCDF	7.58e4	0.49	NO	1.00	1.000	33.530	33.47	1.000	1.000	100.00	100	0.753	

Dataset: Untitled

Last Altered: Monday, June 08, 2020 09:42:59 Pacific Daylight Time

Printed: Monday, June 08, 2020 09:43:21 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34

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

Name: 200605D1_1, Date: 05-Jun-2020, Time: 12:21:35, ID: ST200605D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	22.66
2	2 1,2,8,9-TCDD (Last)	26.97
3	3 1,2,4,7,9-PeCDD (First)	28.60
4	4 1,2,3,8,9-PeCDD (Last)	31.01
5	5 1,2,4,6,7,9-HxCDD (First)	32.44
6	6 1,2,3,7,8,9-HxCDD (Last)	34.37
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.96
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.83
9	9 1,3,6,8-TCDF (First)	20.50
10	10 1,2,8,9-TCDF (Last)	27.11
11	11 1,3,4,6,8-PeCDF (First)	27.07
12	12 1,2,3,8,9-PeCDF (Last)	31.25
13	13 1,2,3,4,6,8-HxCDF (First)	31.90
14	14 1,2,3,7,8,9-HxCDF (Last)	34.73
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.57
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.36

Dataset: Untitled

Last Altered: Monday, June 08, 2020 09:42:19 Pacific Daylight Time
Printed: Monday, June 08, 2020 09:42:35 Pacific Daylight Time

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

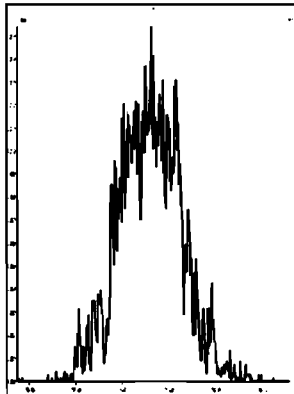
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200605D1_1	ST200605D1-1 1613 CS3 19L2305	05-Jun-20	12:21:35
2	200605D1_2	SOLVENT BLANK	05-Jun-20	13:06:43
3	200605D1_3	2000998-05 PDI-063SC-B-02-05-200429 18.95	05-Jun-20	13:51:54
4	200605D1_4	2000998-06 PDI-063SC-B-05-07-200429 16.11	05-Jun-20	14:37:02
5	200605D1_5	2000998-01 PDI-054SC-A-09-10-200428 18.52	05-Jun-20	15:22:07
6	200605D1_6	2000998-02 PDI-054SC-A-10-11.1-200428 16.8	05-Jun-20	16:07:16
7	200605D1_7	BOE0066-DUP1 Duplicate 16.79	05-Jun-20	16:52:23
8	200605D1_8	2000998-11 PDI-060SC-A-07-08-200428 15.36	05-Jun-20	17:37:31
9	200605D1_9	2000998-04 PDI-054SC-B-00-02-200428 20.98	05-Jun-20	18:22:38
10	200605D1_10	2000998-05 PDI-054SC-B-02-05-200428 19.94	05-Jun-20	19:07:45
11	200605D1_11	2000998-06 PDI-054SC-B-05-07-200428 18.81	05-Jun-20	19:52:53
12	200605D1_12	2000998-07 PDI-060SC-A-03-04-200428 16.62	05-Jun-20	20:38:01
13	200605D1_13	2000998-08 PDI-060SC-A-04-05-200428 16.12	05-Jun-20	21:23:07
14	200605D1_14	2000998-09 PDI-060SC-A-05-06-200428 17.06	05-Jun-20	22:08:14
15	200605D1_15	2000998-10 PDI-060SC-A-06-07-200428 16.26	05-Jun-20	22:53:20

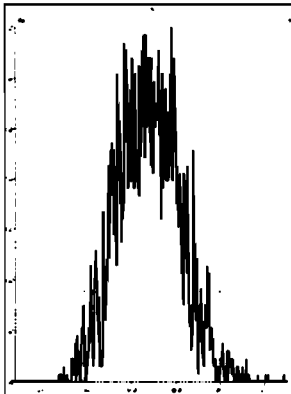
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Friday, June 05, 2020 12:17:07 Pacific Daylight Time

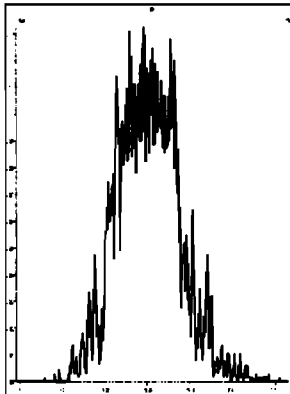
M 292.9824 R 11790



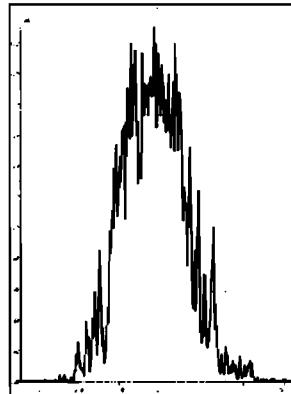
M 304.9824 R 14207



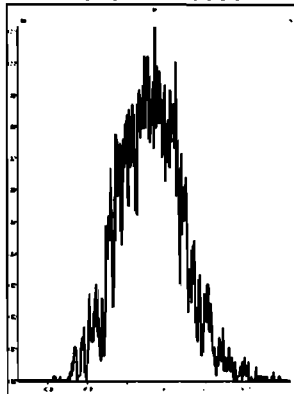
M 318.9792 R 10725



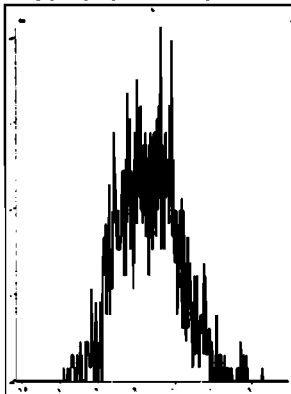
M 330.9792 R 10592



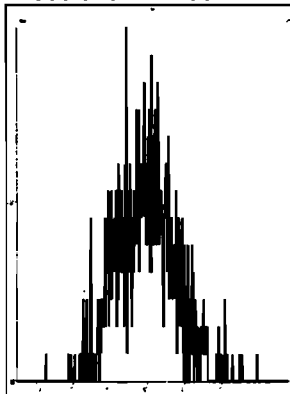
M 342.9792 R 10636



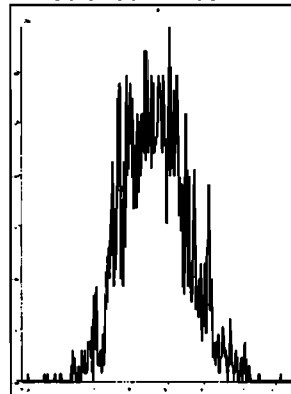
M 354.9792 R 12622



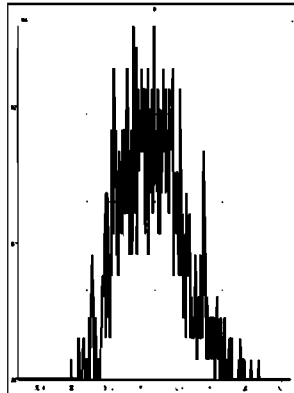
M 366.9792 R 15527



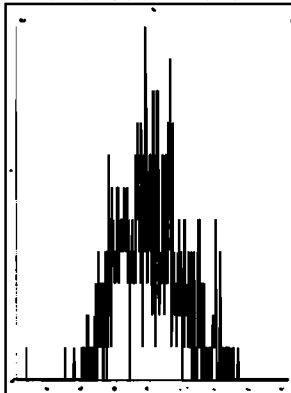
M 380.9760 R 10872



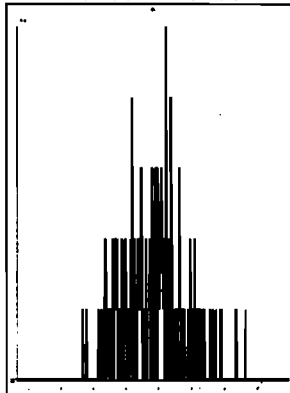
M 392.9760 R 11845



M 404.9760 R 14045



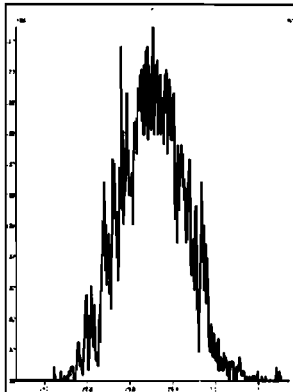
M 416.9760 R 28733



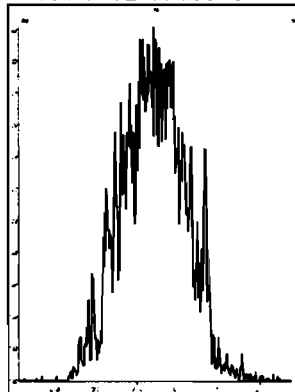
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Friday, June 05, 2020 12:17:56 Pacific Daylight Time

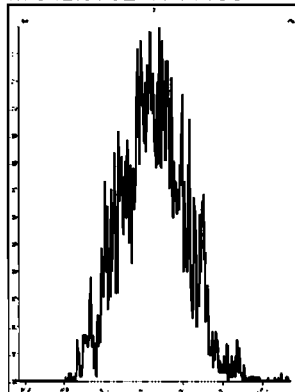
M 318.9792 R 10594



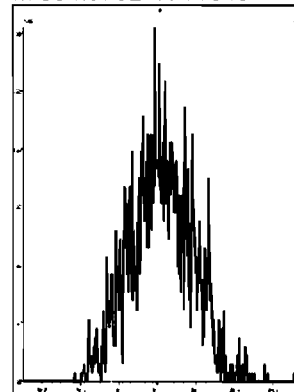
M 330.9792 R 10373



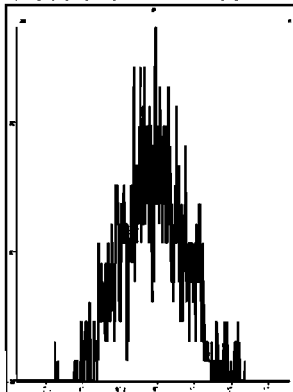
M 342.9792 R 11158



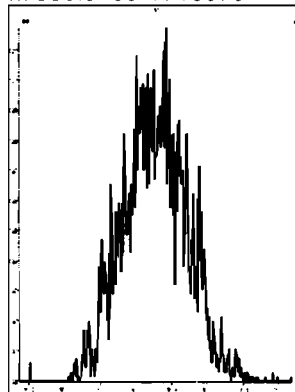
M 354.9792 R 11849



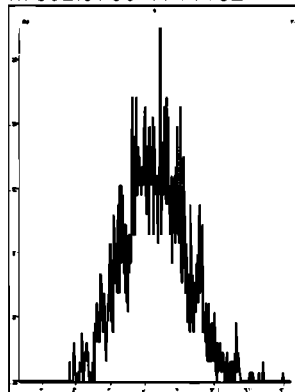
M 366.9792 R 11160



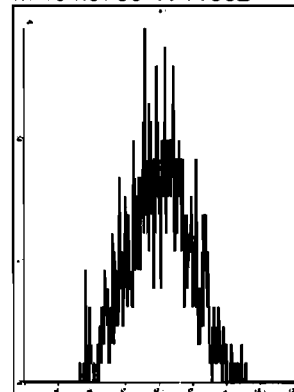
M 380.9760 R 10079



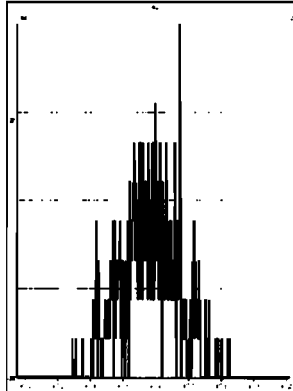
M 392.9760 R 11162



M 404.9760 R 11062



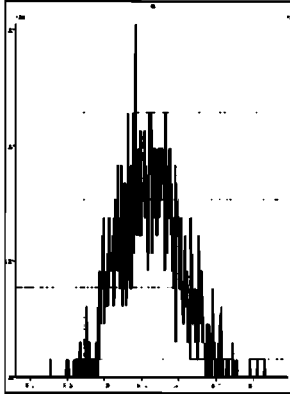
M 416.9760 R 13888



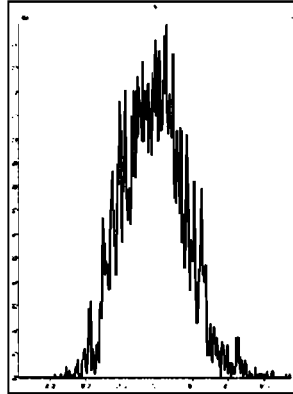
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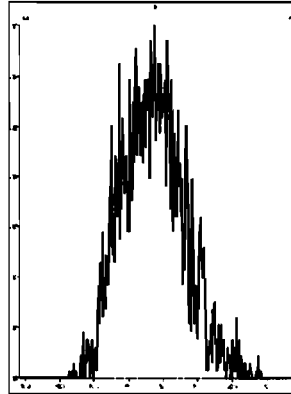
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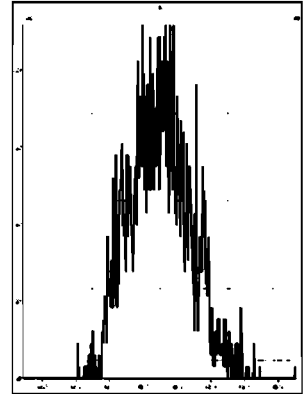
M 380.9760 R 10967



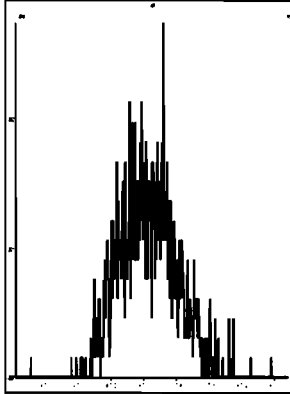
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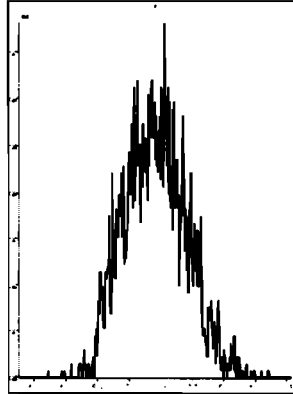
M 404.9760 R 10822



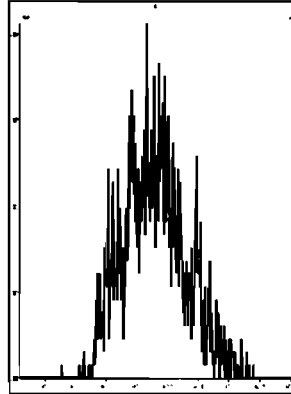
M 416.9760 R 12374



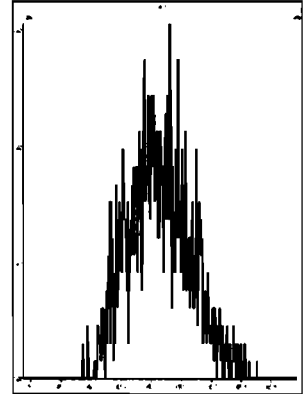
M 430.9728 R 10636



M 442.9728 R 11211



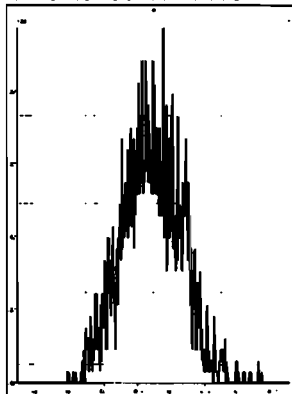
M 454.9728 R 11363



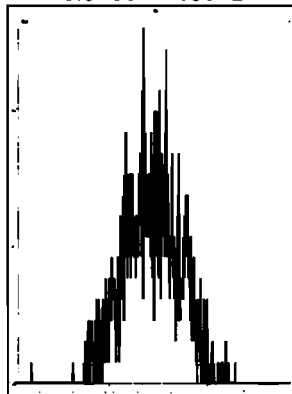
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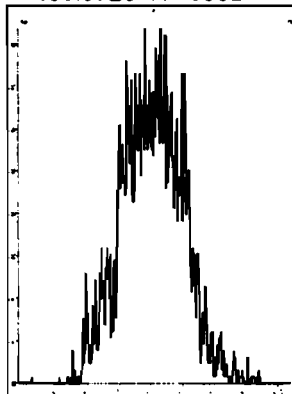
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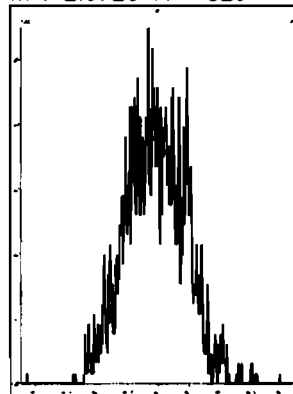
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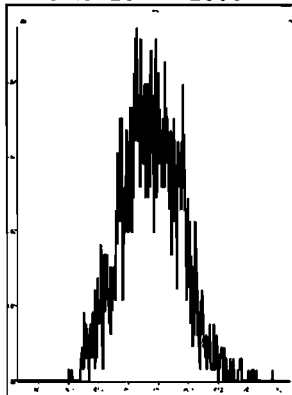
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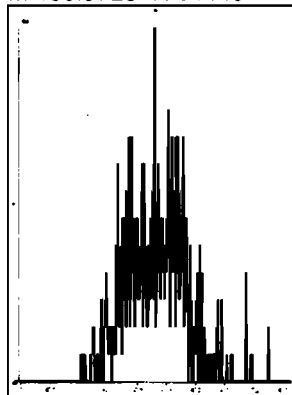
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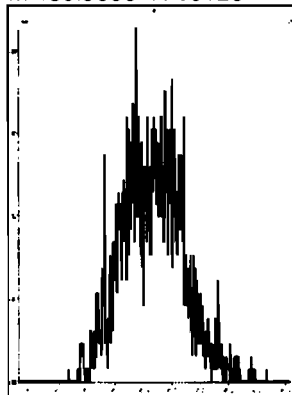
M 454.9728 R 12500



M 466.9728 R 14449



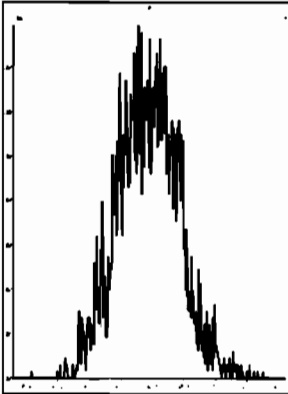
M 480.9696 R 10120



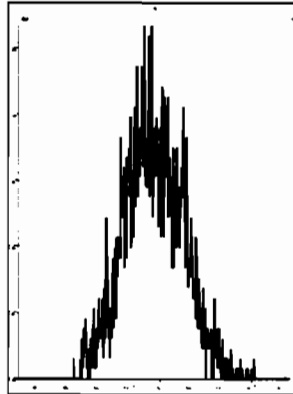
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Printed: Friday, June 05, 2020 12:20:42 Pacific Daylight Time

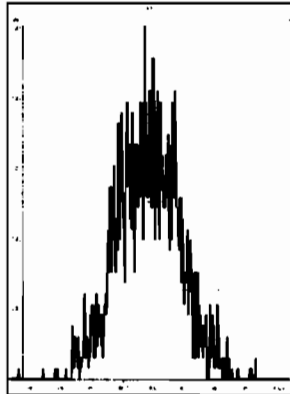
M 430.9728 R 11209



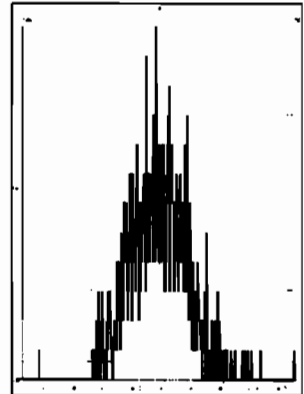
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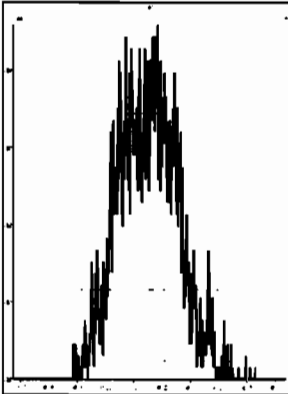
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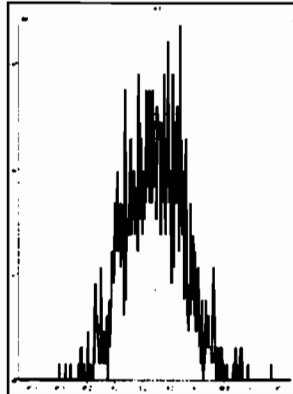
M 466.9728 R 14619



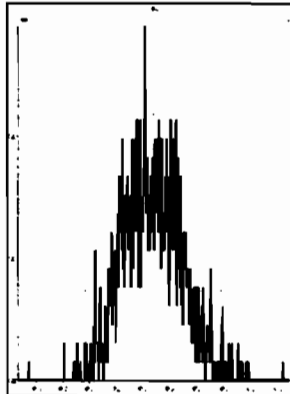
M 480.9696 R 10640



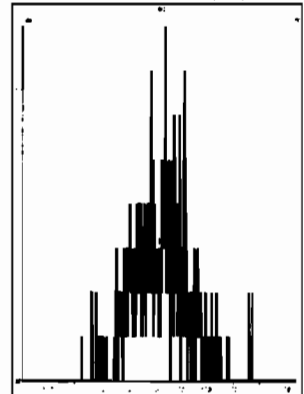
M 492.9696 R 10727



M 504.9696 R 10965

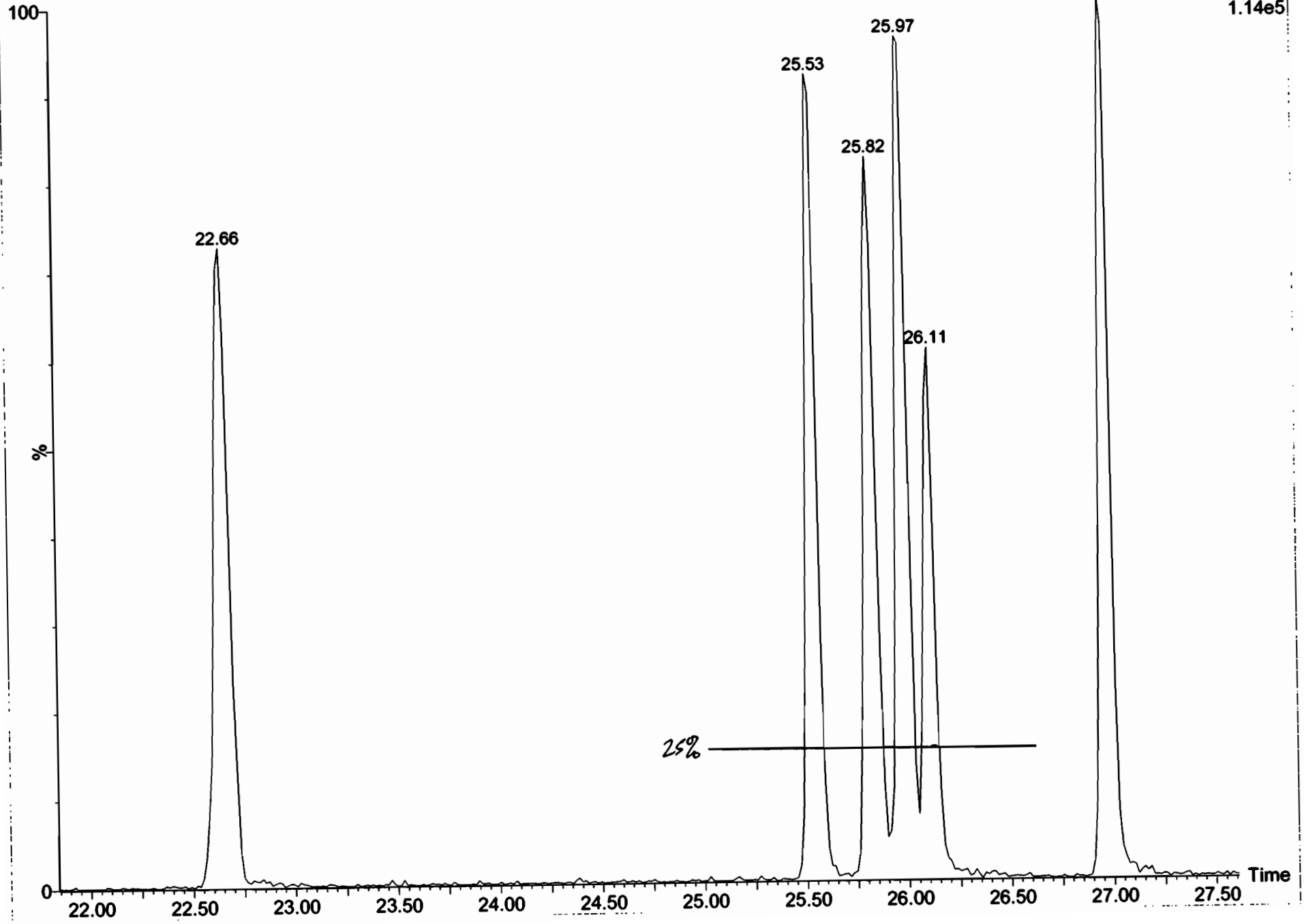


M 516.9697 R 20323



200605D1_1

1: Voltage SIR 15 Channels EI+
321.8936
1.14e5



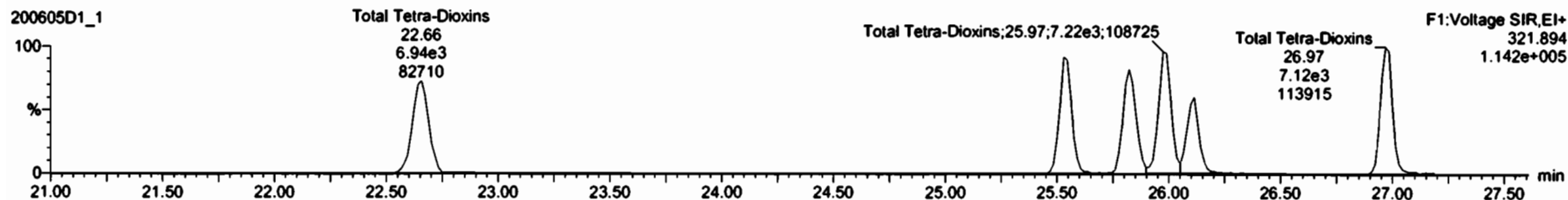
Dataset: U:\VG7.PRO\Results\200605D1\200605D1_1.qld

Last Altered: Friday, June 05, 2020 13:05:30 Pacific Daylight Time
Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

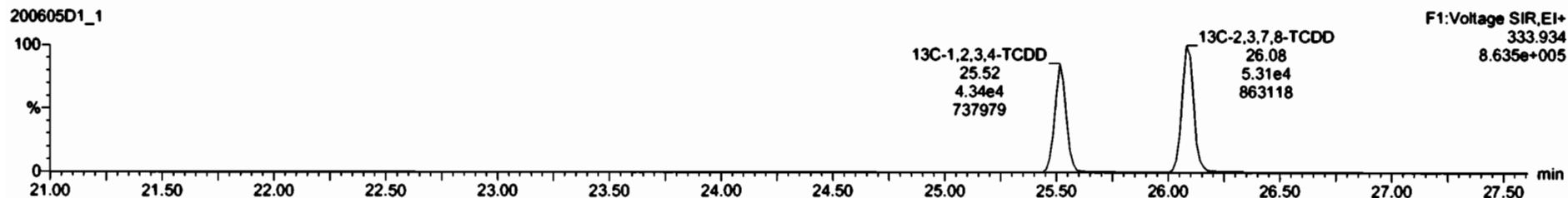
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Name: 200605D1_1, Date: 05-Jun-2020, Time: 12:21:35, ID: ST200605D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



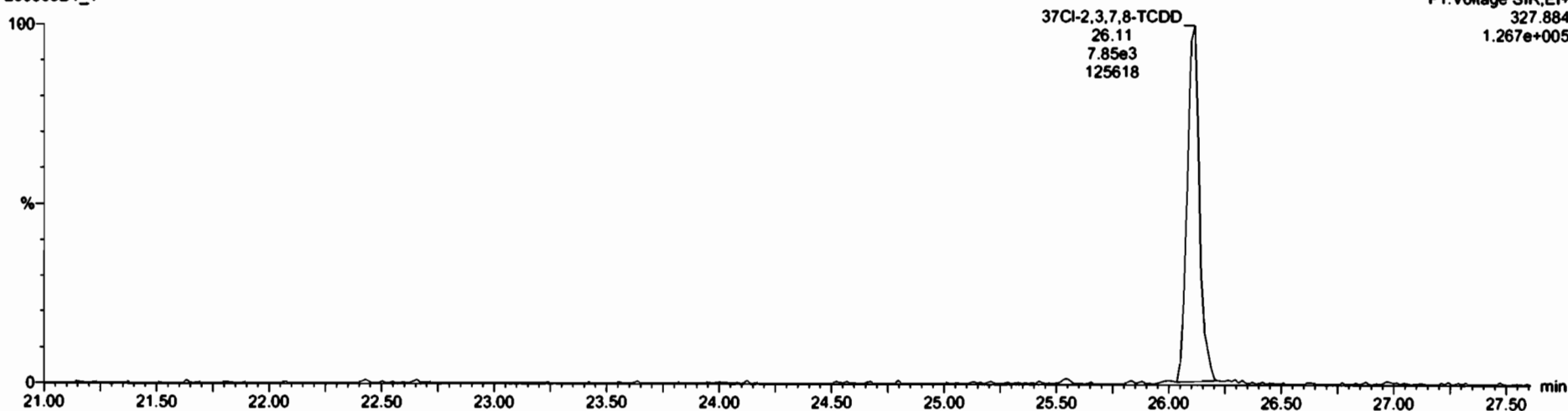
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Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

Name: 200605D1_1, Date: 05-Jun-2020, Time: 12:21:35, ID: ST200605D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200605D1_1

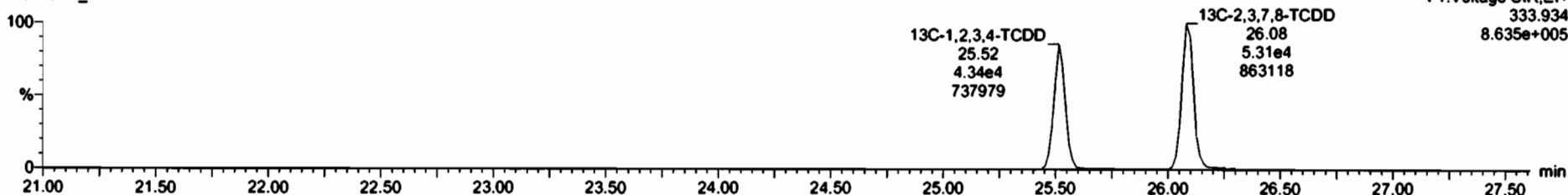


13C-1,2,3,4-TCDD

200605D1_1



200605D1_1



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_1.qld

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Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

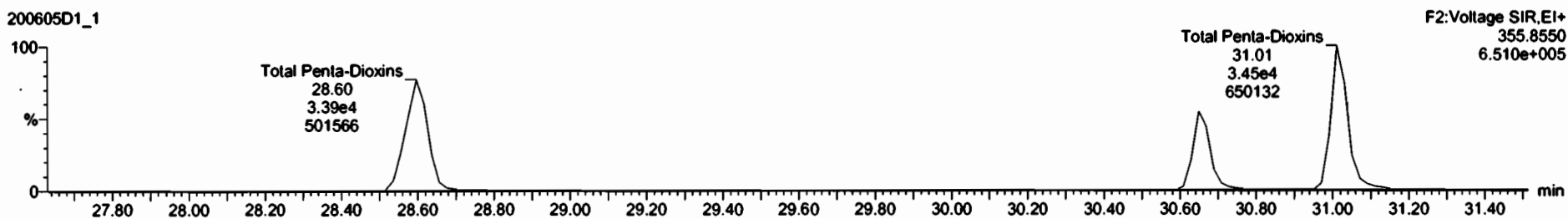
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1,2,3,7,8-PeCDD

200605D1_1



200605D1_1

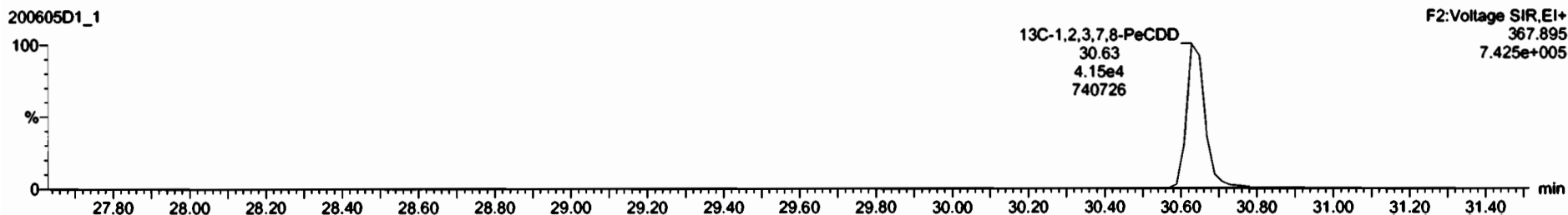


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200605D1_1



200605D1_1



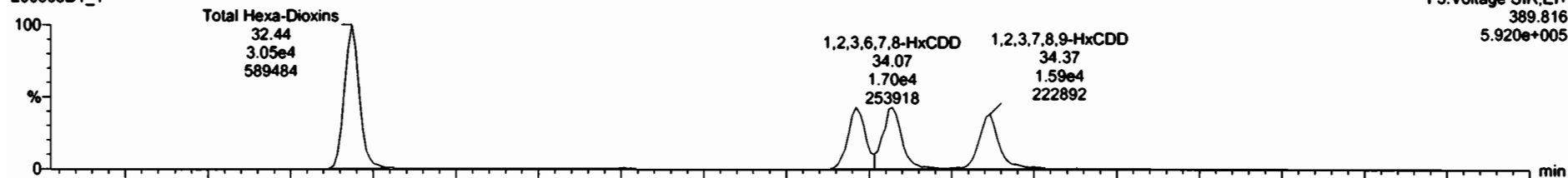
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Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

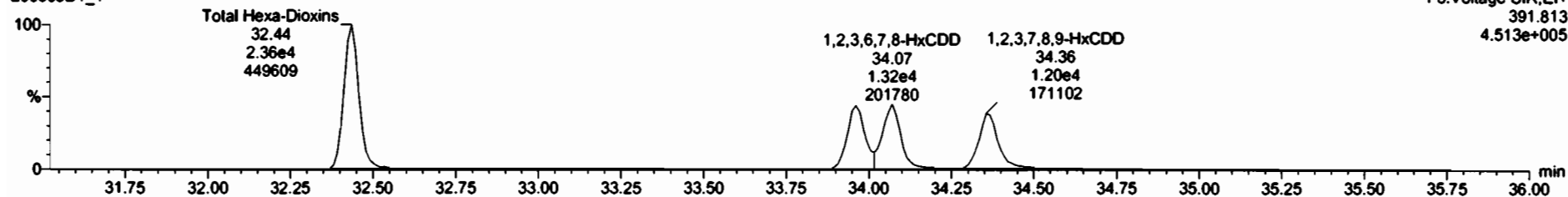
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1,2,3,4,7,8-HxCDD

200605D1_1

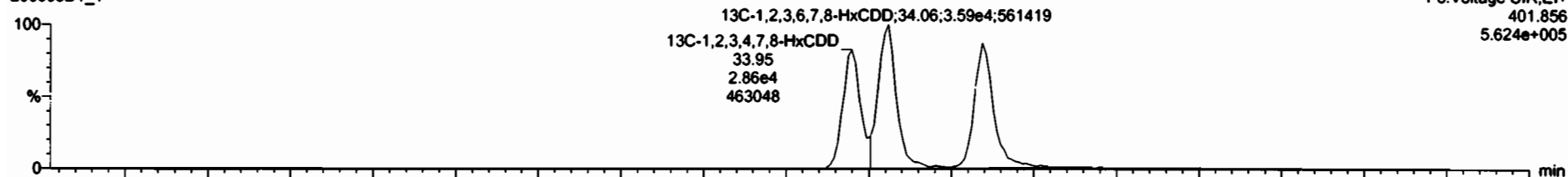


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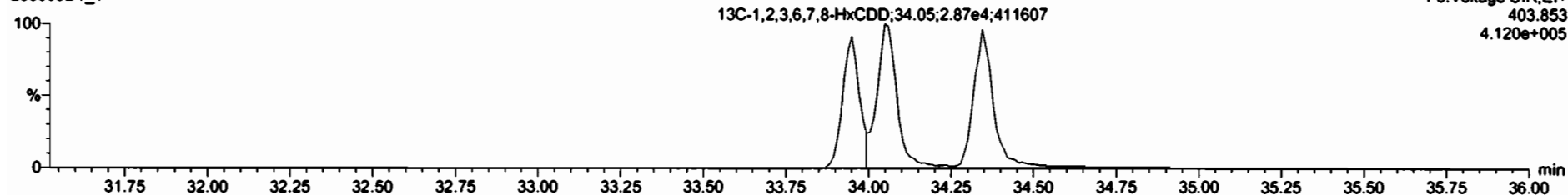


13C-1,2,3,4,7,8-HxCDD

200605D1_1



200605D1_1



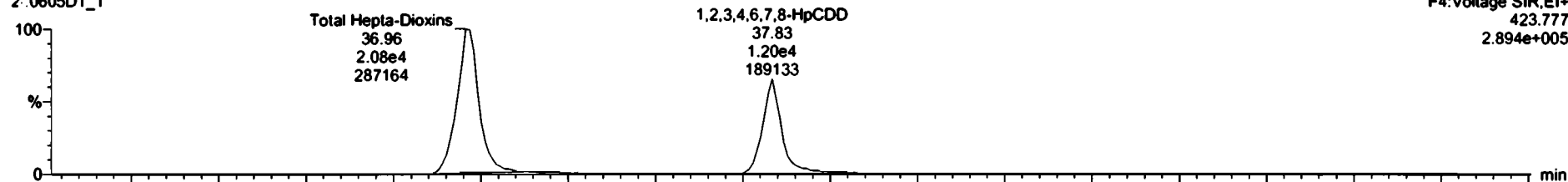
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Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

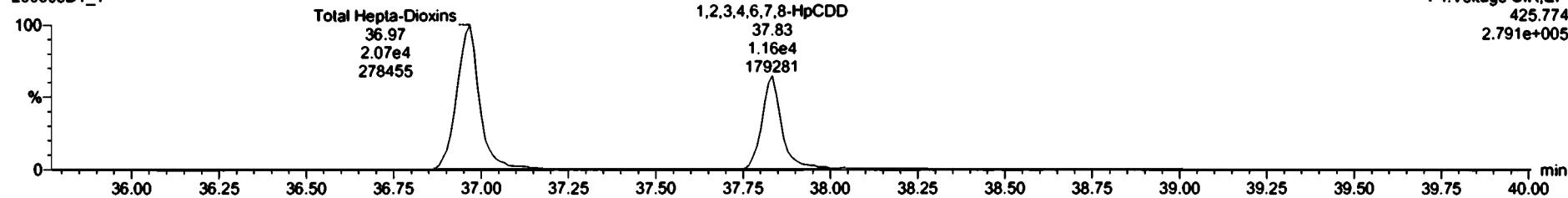
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1,2,3,4,6,7,8-HpCDD

2:0605D1_1

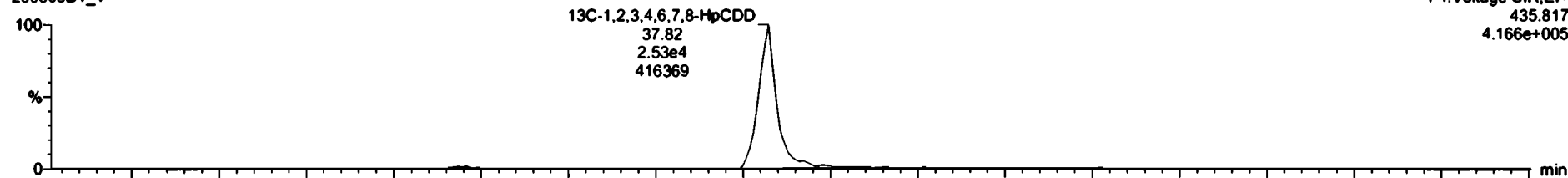


200605D1_1

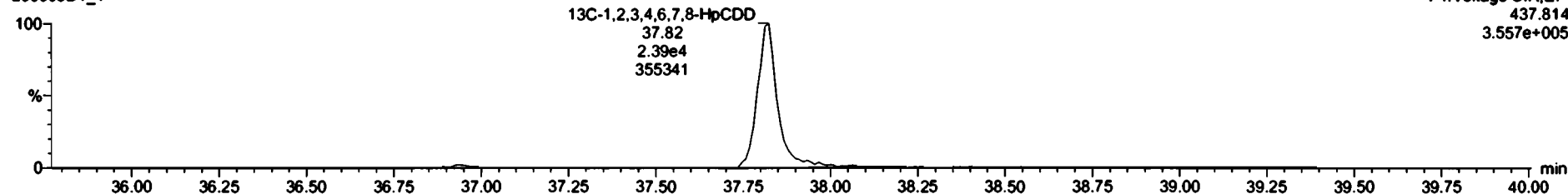


13C-1,2,3,4,6,7,8-HpCDD

200605D1_1



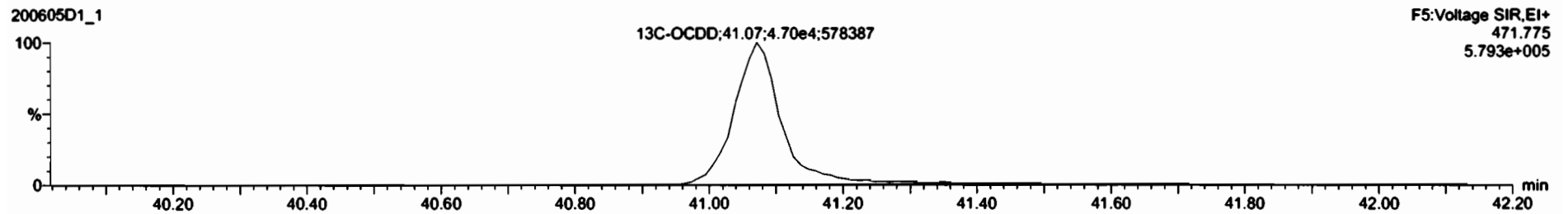
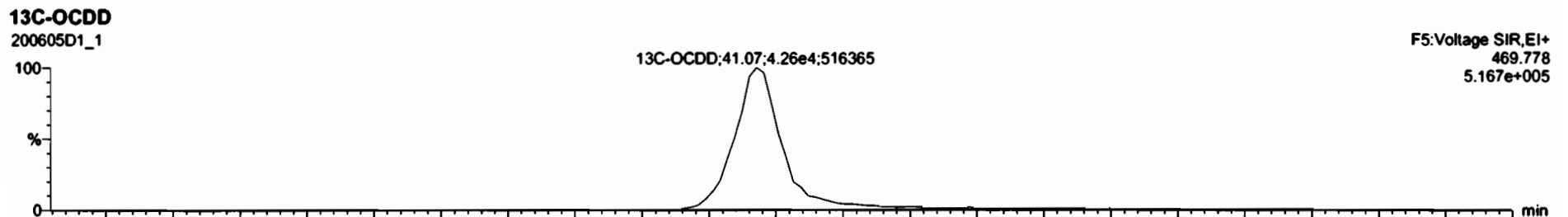
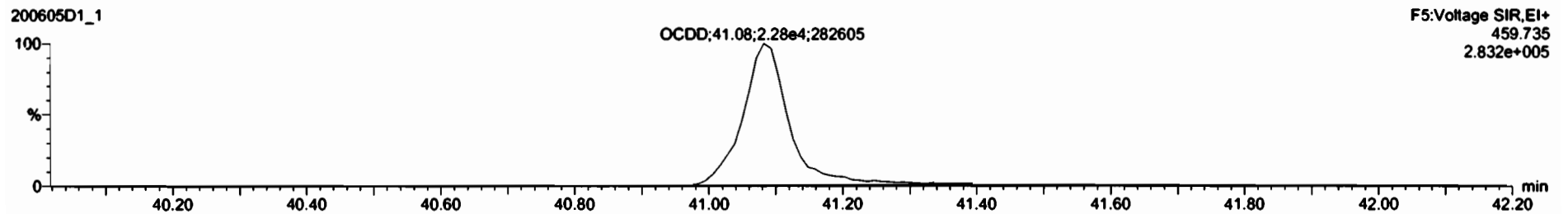
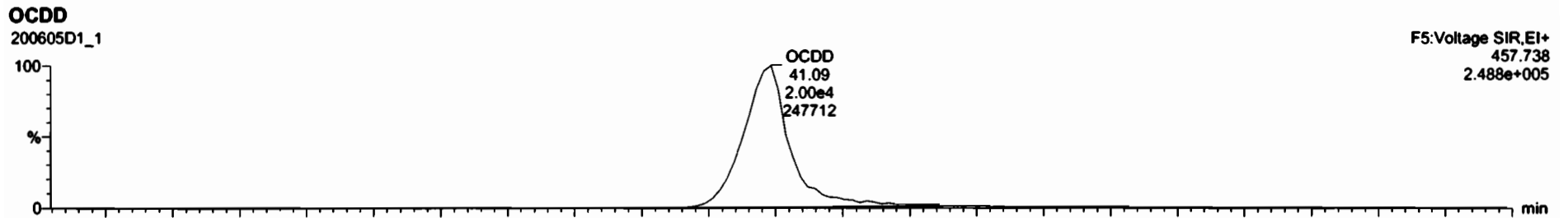
200605D1_1



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_1.qld

Last Altered: Friday, June 05, 2020 13:05:30 Pacific Daylight Time
Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

Name: 200605D1_1, Date: 05-Jun-2020, Time: 12:21:35, ID: ST200605D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_1.qld

Last Altered: Friday, June 05, 2020 13:05:30 Pacific Daylight Time
Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

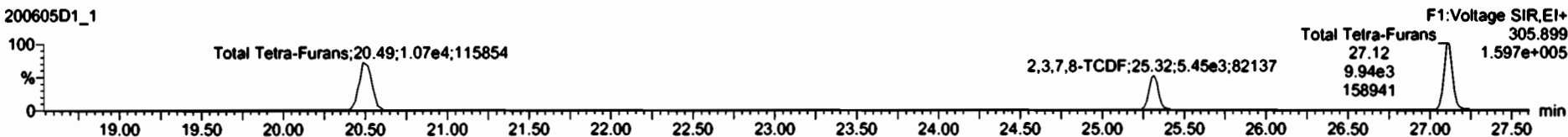
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2,3,7,8-TCDF

200605D1_1

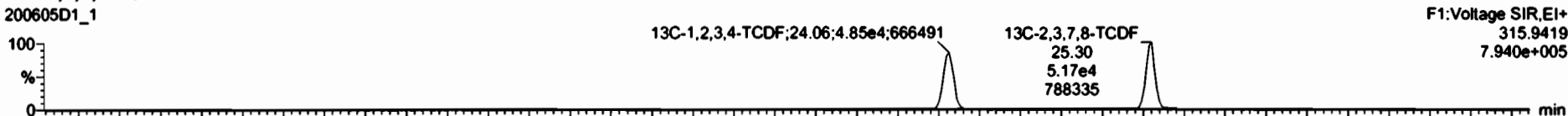


200605D1_1

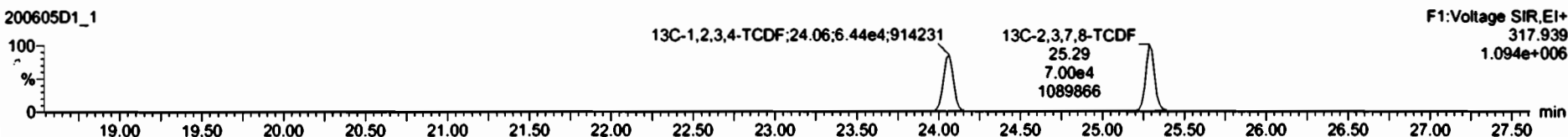


13C-2,3,7,8-TCDF

200605D1_1

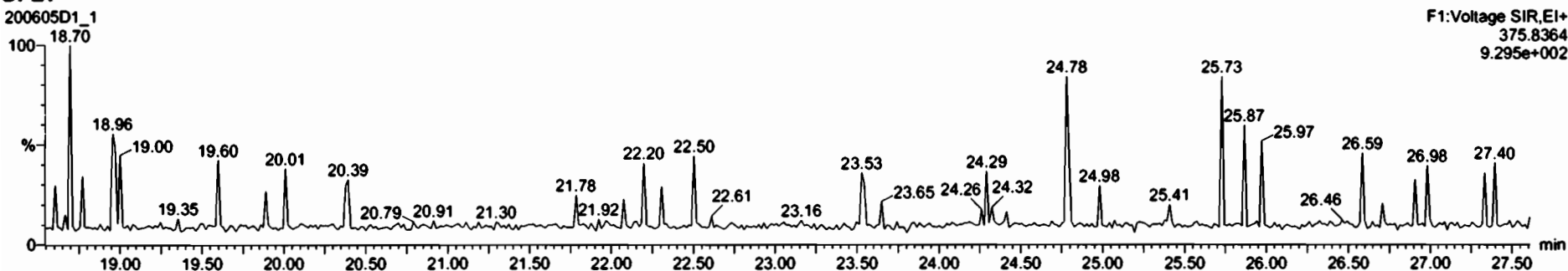


200605D1_1



DPE1

200605D1_1



Dataset: U:\VG7.PRO\Results\200605D1\200605D1_1.qld

Last Altered: Friday, June 05, 2020 13:05:30 Pacific Daylight Time
Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

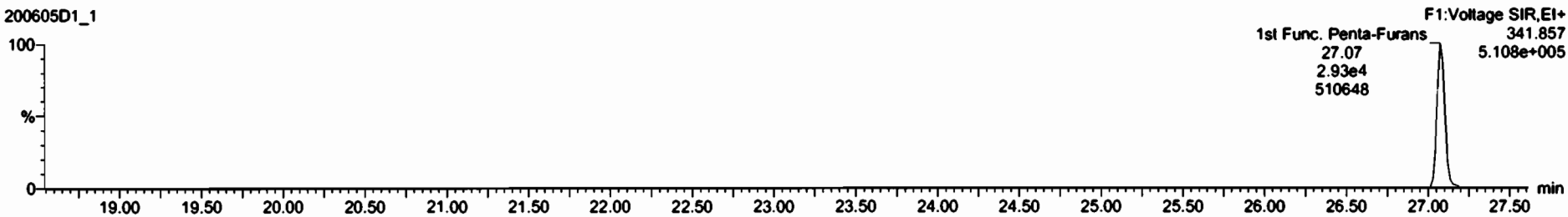
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1st Func. Penta-Furans

200605D1_1

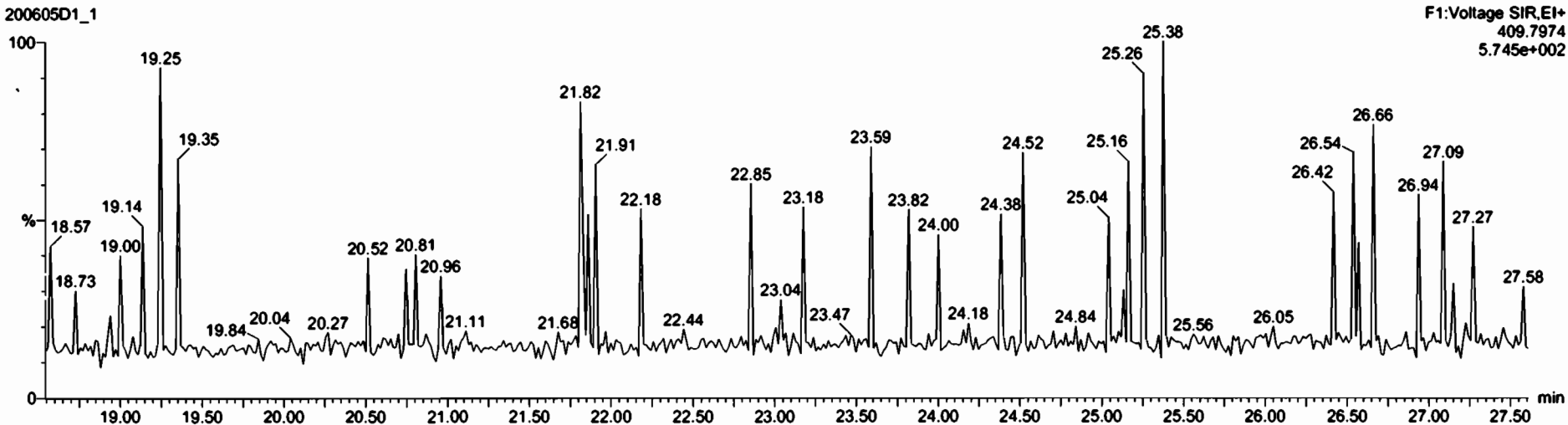


200605D1_1



DPE6

200605D1_1



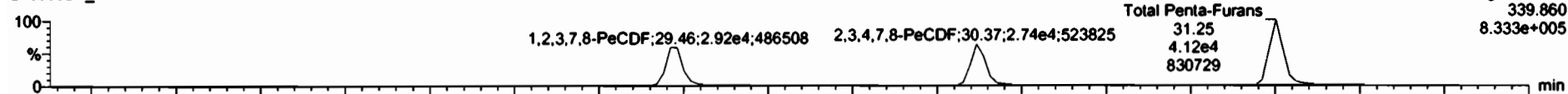
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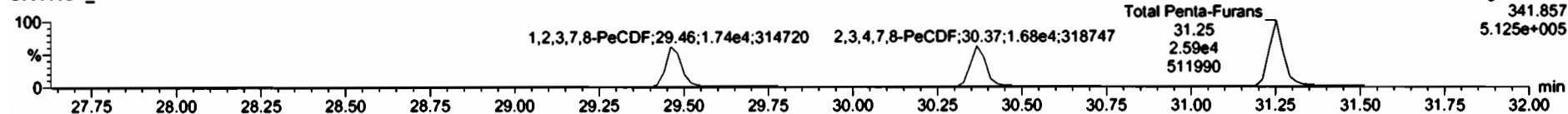
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1,2,3,7,8-PeCDF

200605D1_1

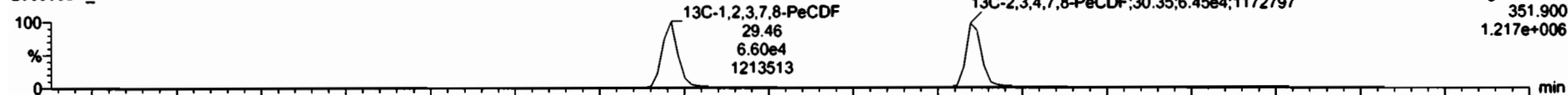


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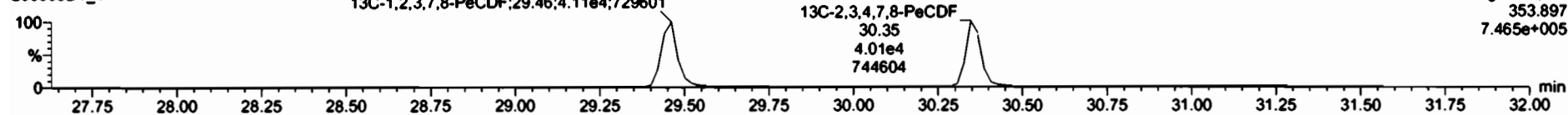


13C-1,2,3,7,8-PeCDF

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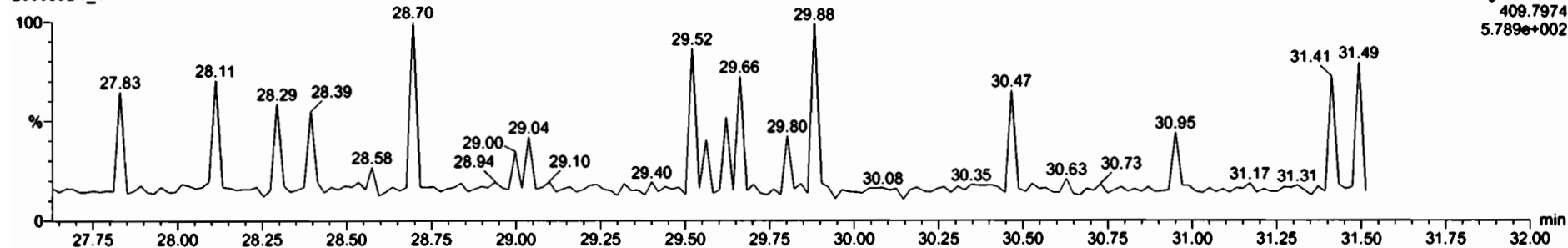


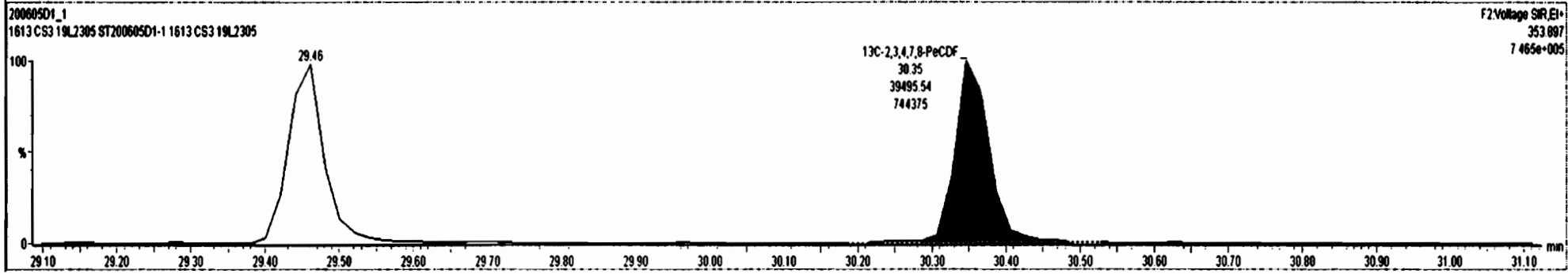
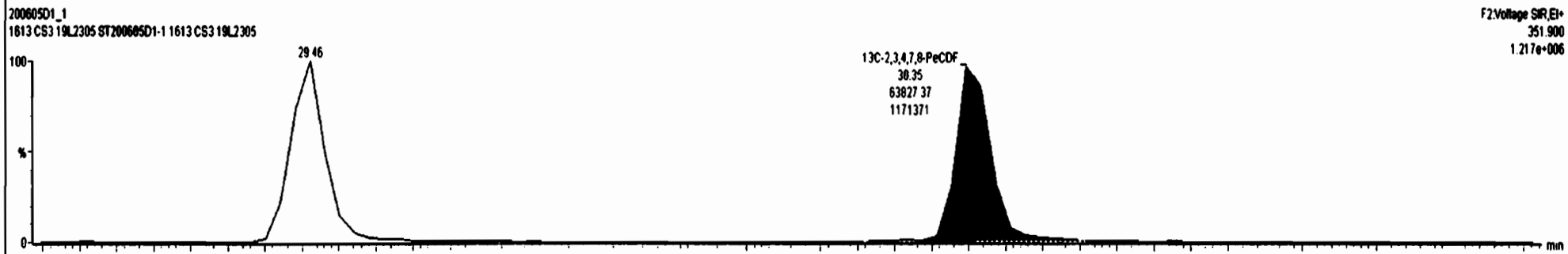
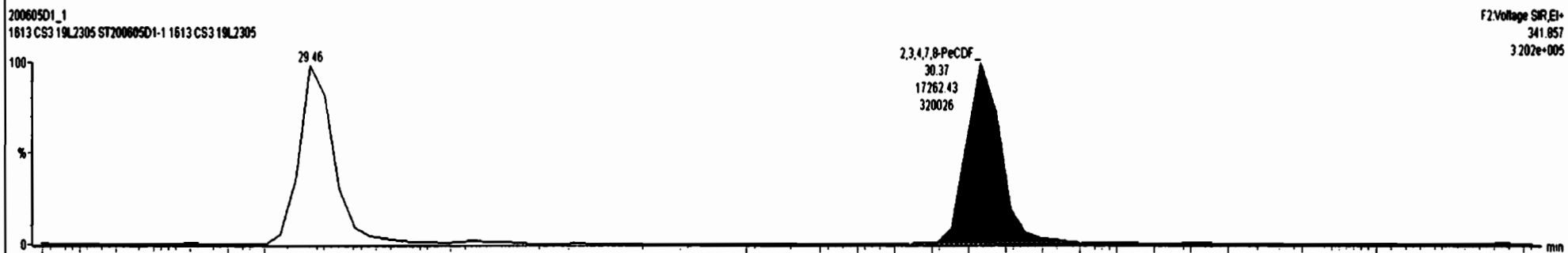
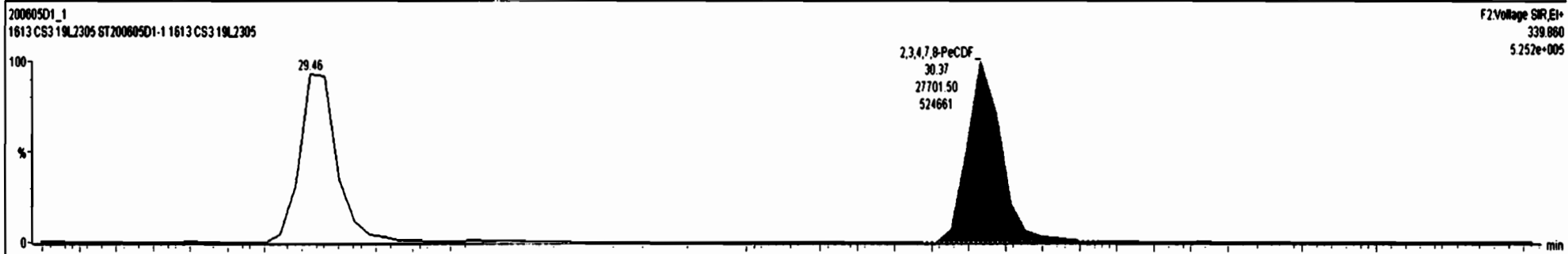
200605D1_1



DPE2

200605D1_1



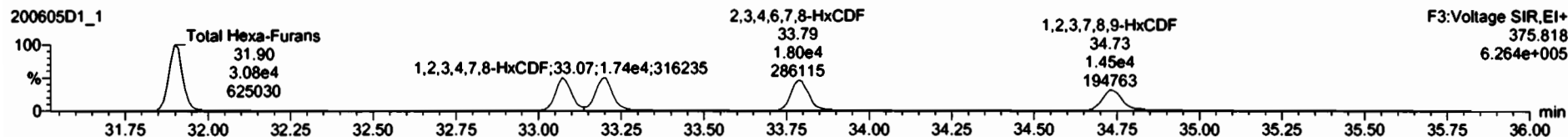
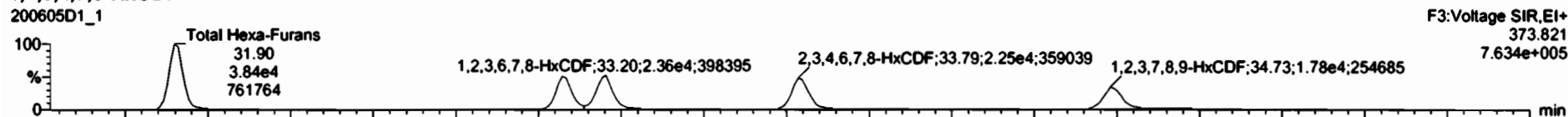


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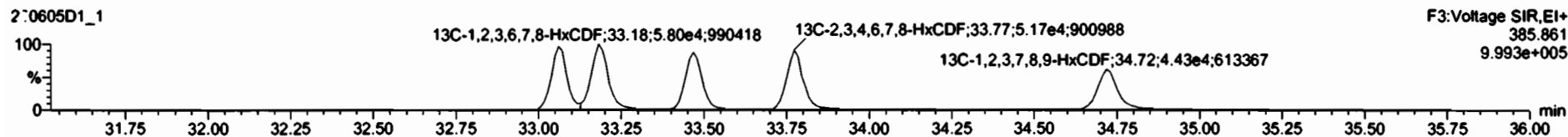
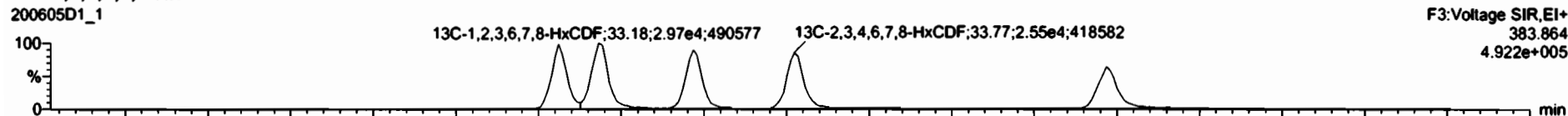
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Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

Name: 200605D1_1, Date: 05-Jun-2020, Time: 12:21:35, ID: ST200605D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

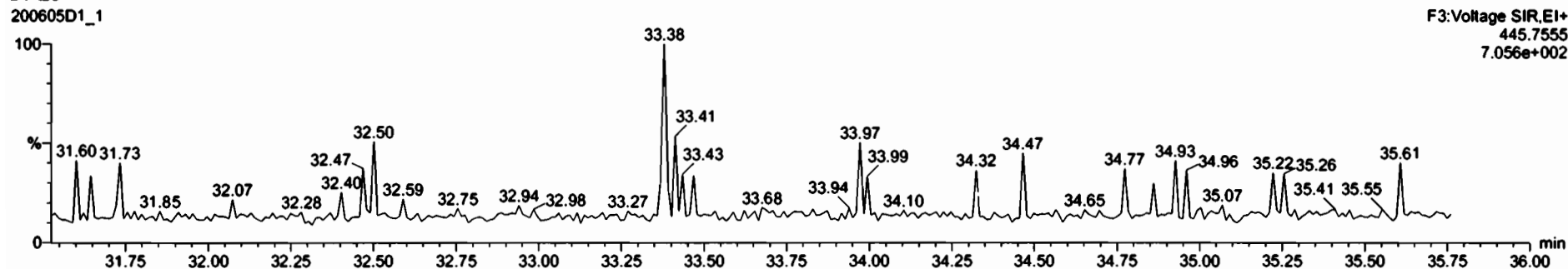
1,2,3,4,7,8-HxCDF



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



DPE3



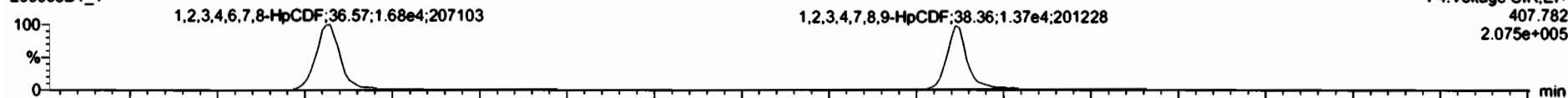
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Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

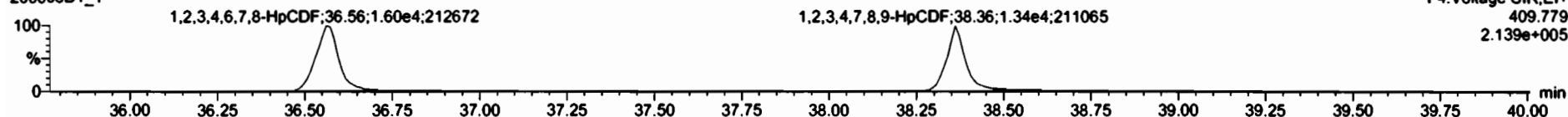
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1,2,3,4,6,7,8-HpCDF

200605D1_1

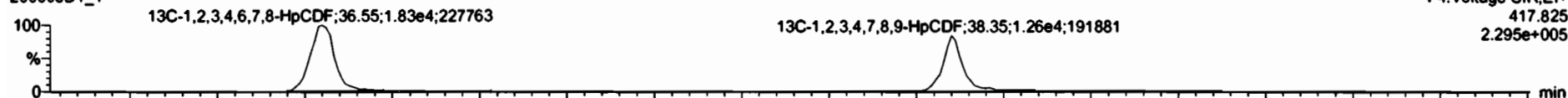


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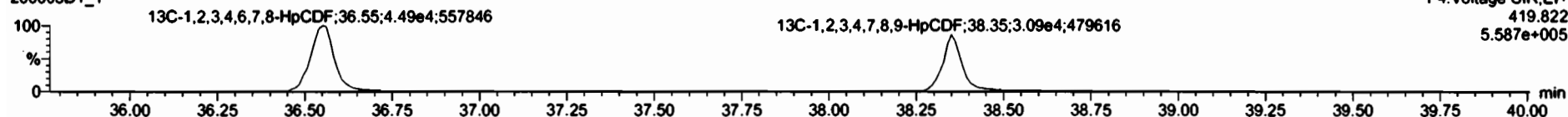


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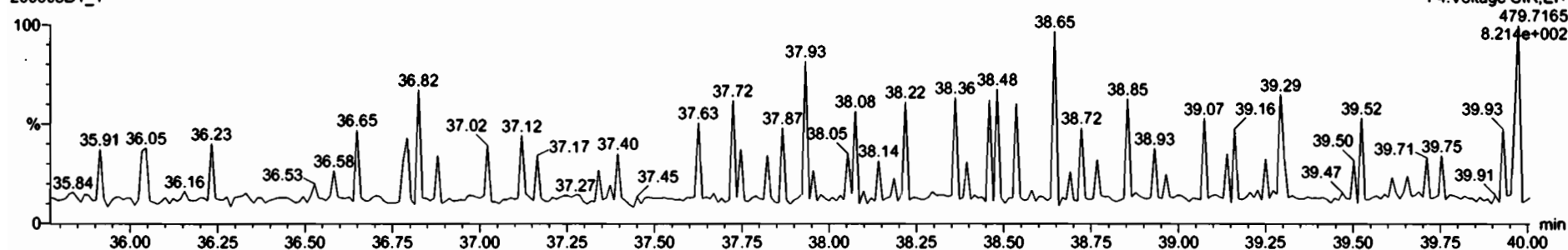


200605D1_1



DPE4

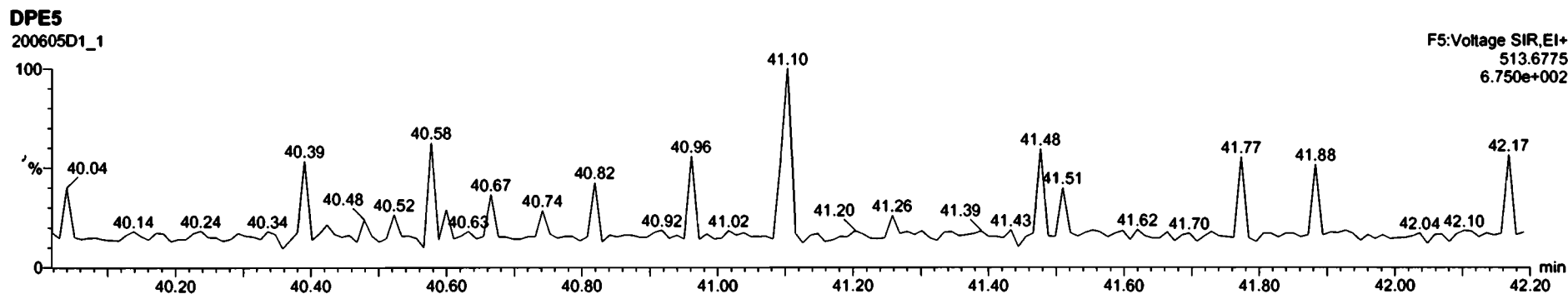
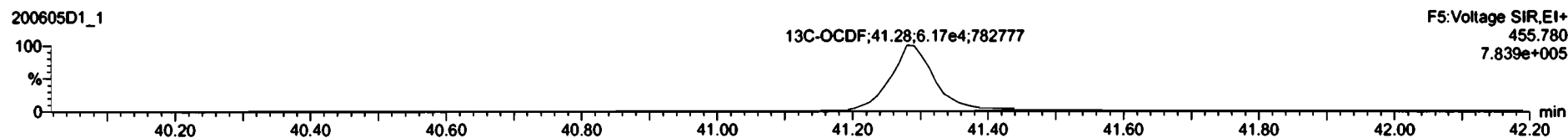
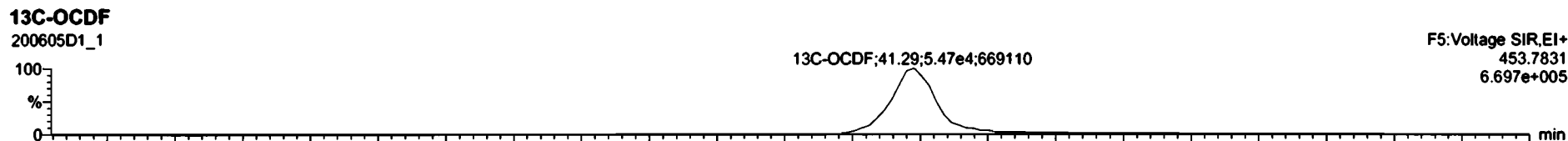
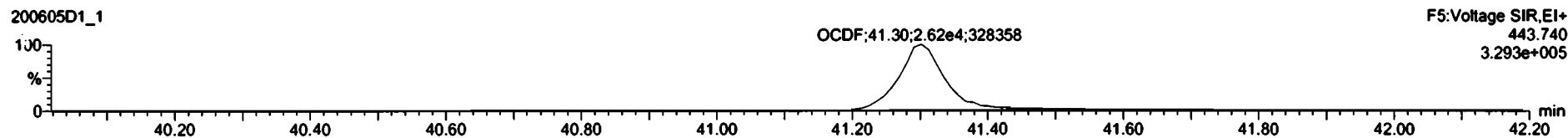
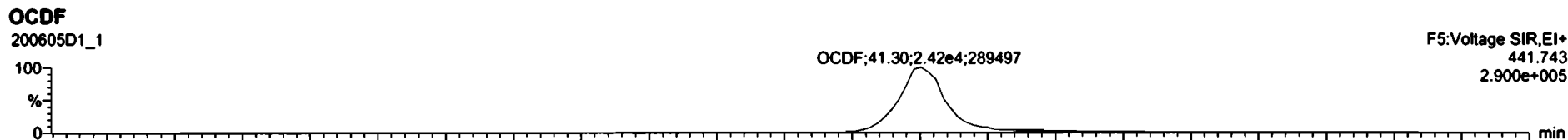
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Last Altered: Friday, June 05, 2020 13:05:30 Pacific Daylight Time
Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

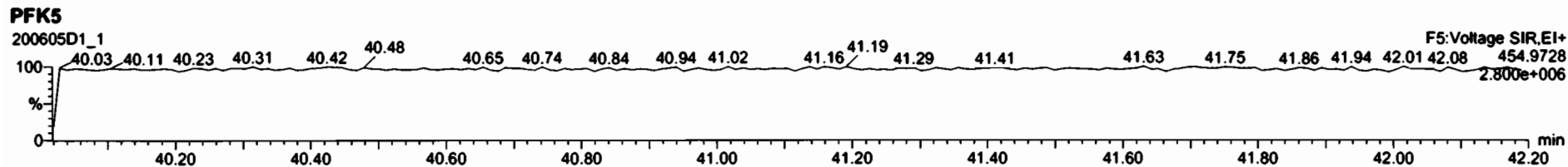
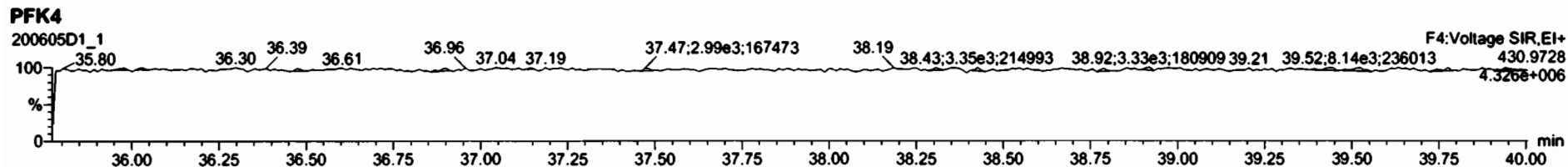
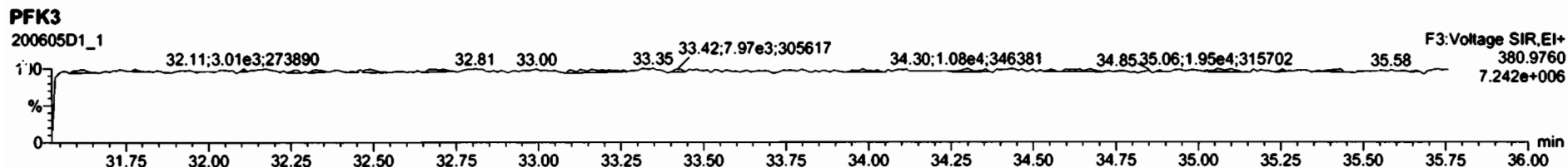
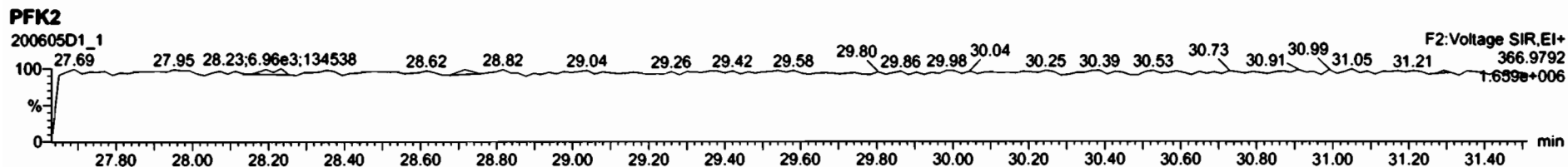
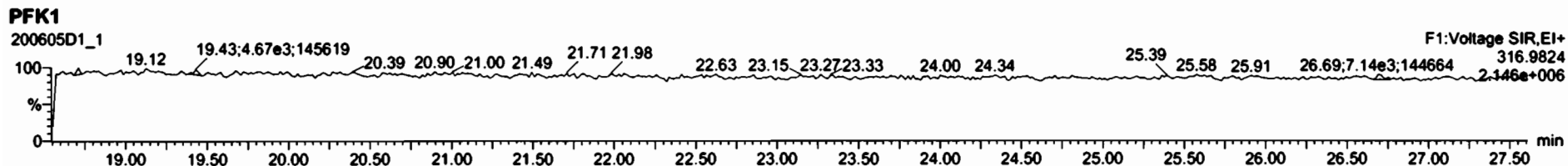
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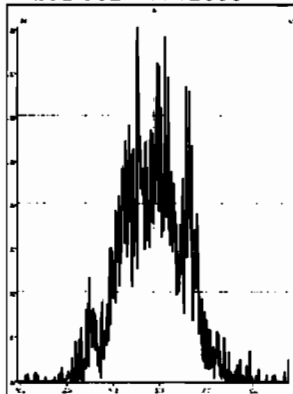
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Printed: Friday, June 05, 2020 13:08:37 Pacific Daylight Time

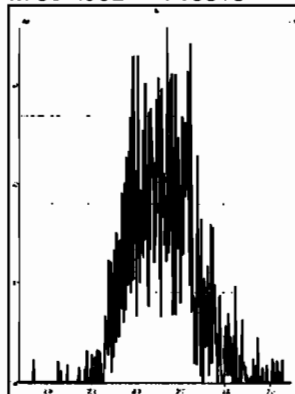
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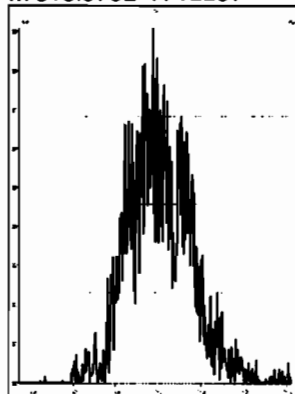
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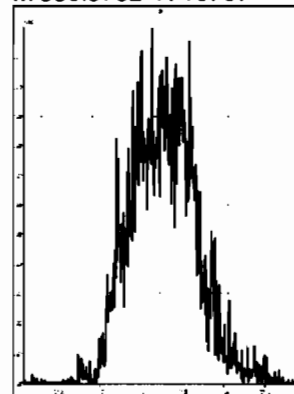
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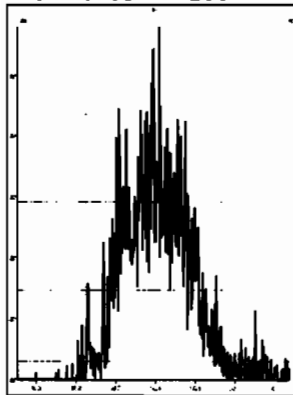
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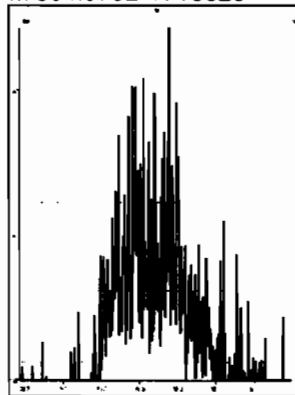
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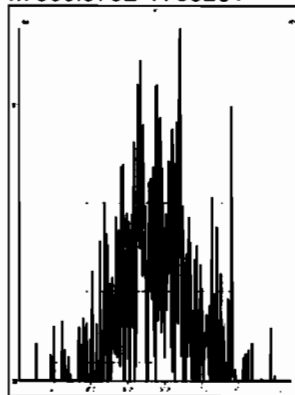
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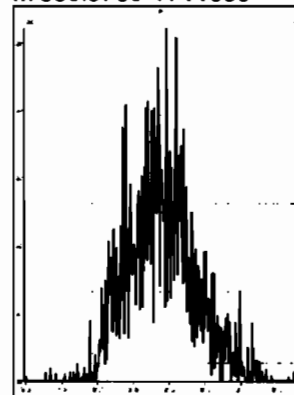
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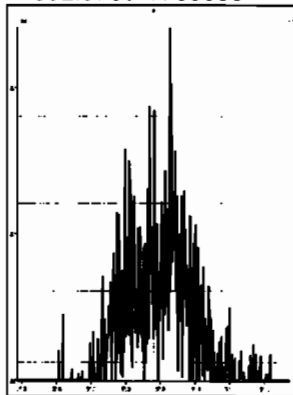
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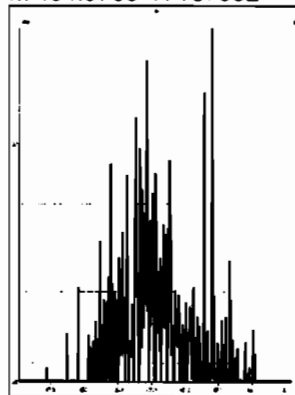
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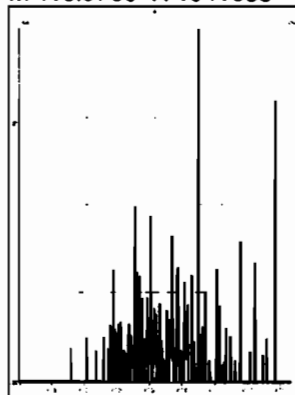
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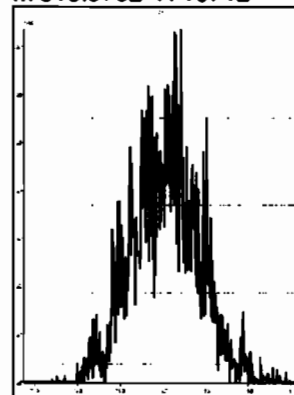
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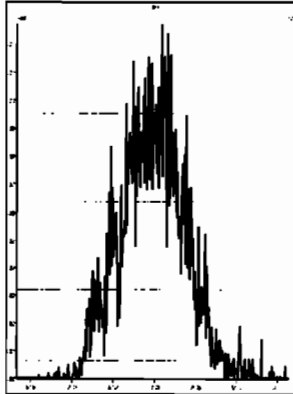
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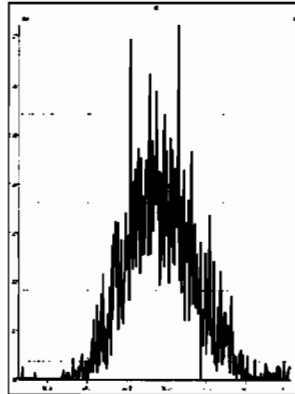
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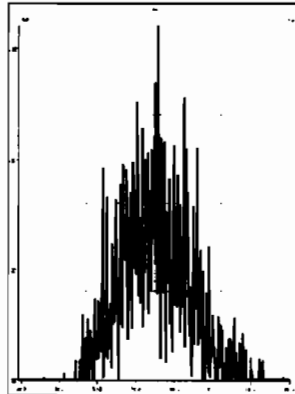
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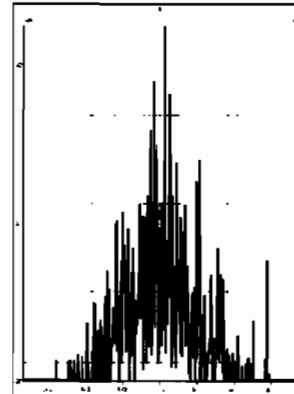
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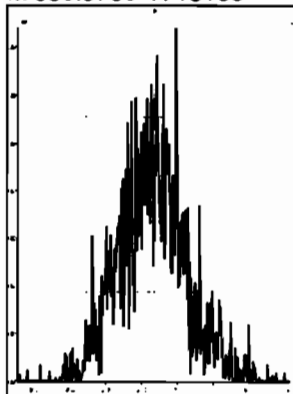
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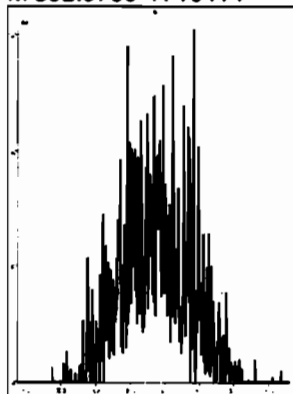
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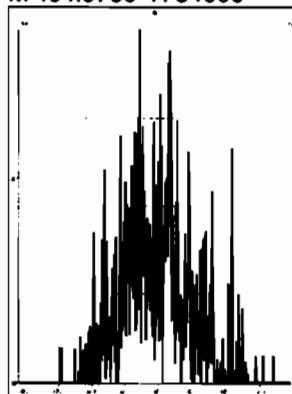
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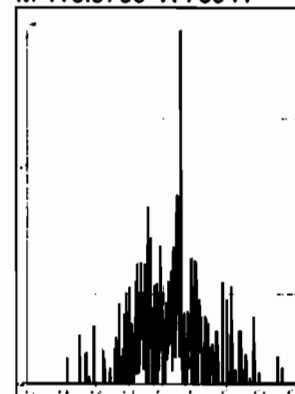
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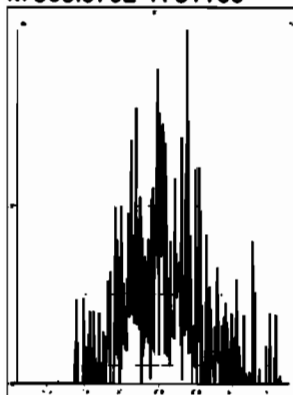
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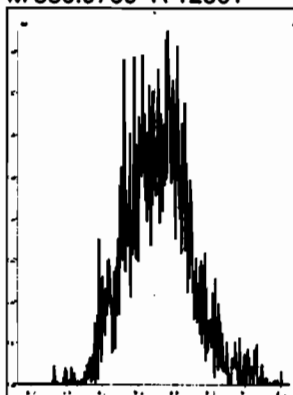
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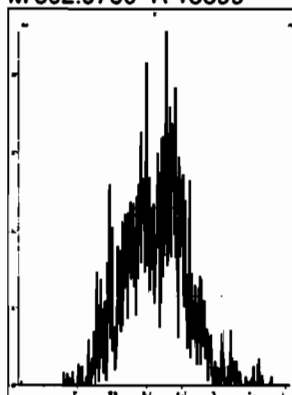
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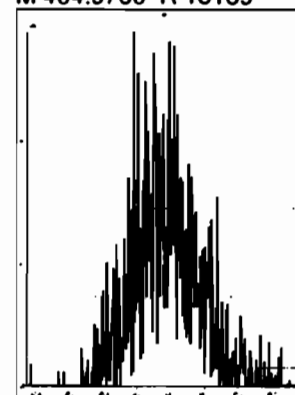
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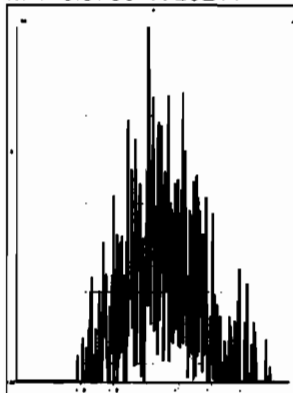
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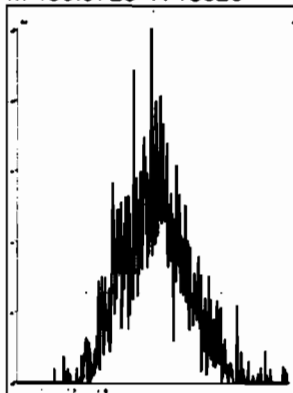
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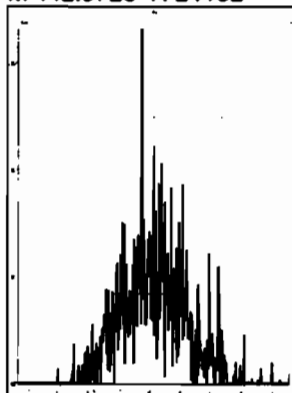
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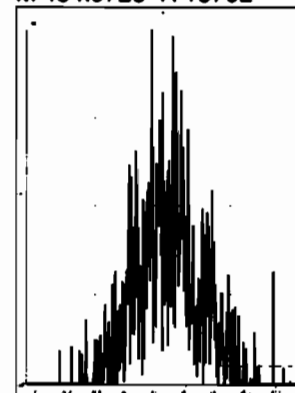
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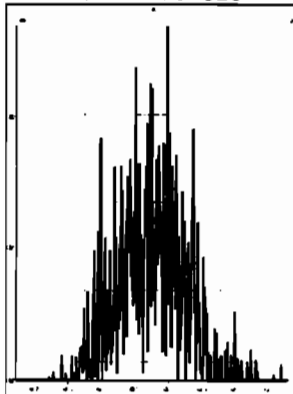
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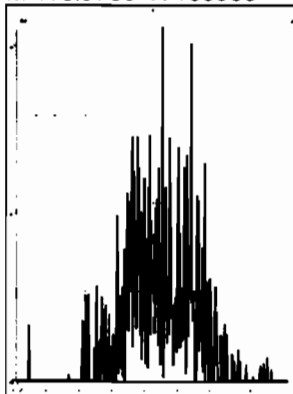
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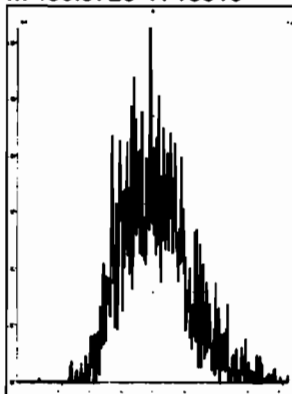
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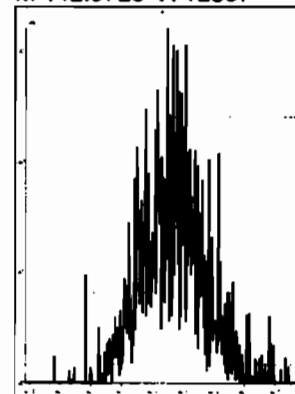
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M 430.9728 R 13515

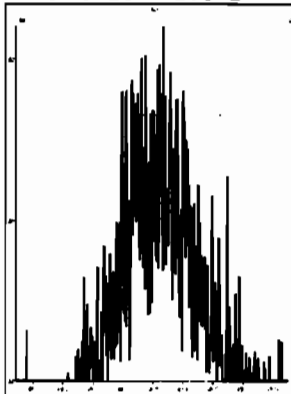


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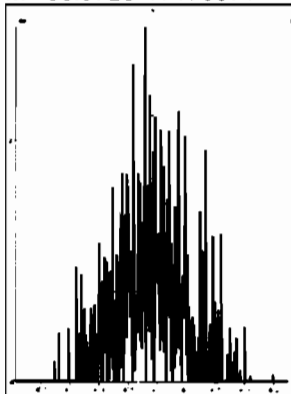


Printed: Friday, June 05, 2020 23:47:01 Pacific Daylight Time

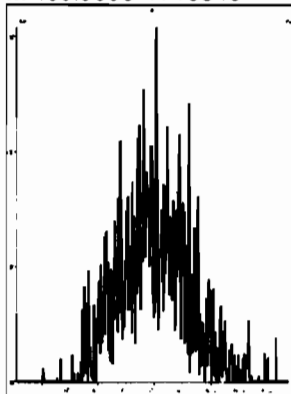
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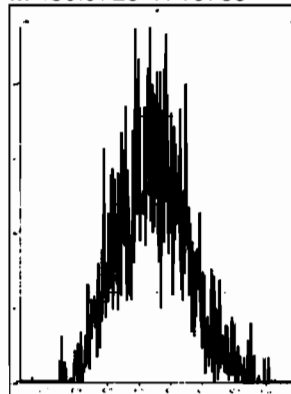
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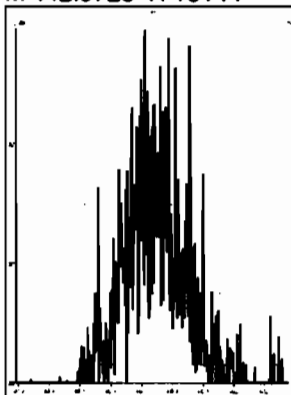
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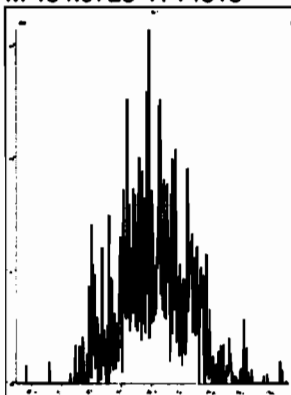
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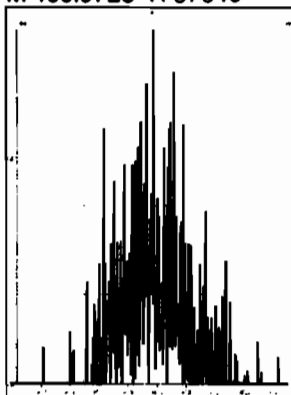
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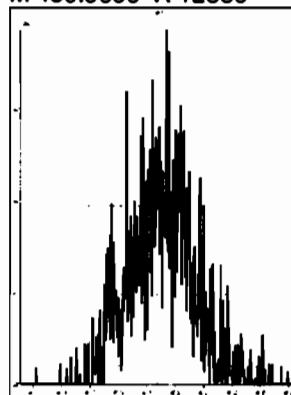
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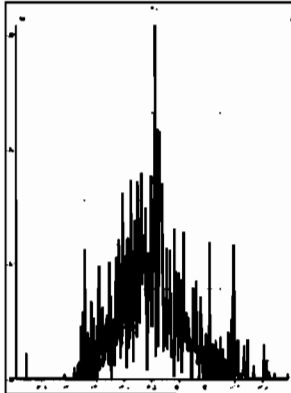
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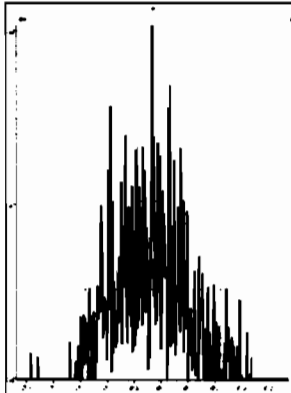
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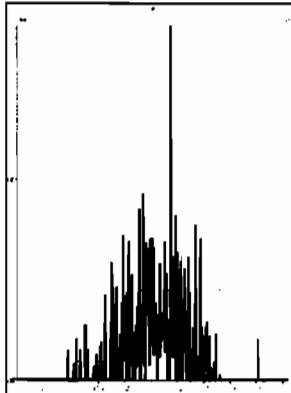
M 492.9696 R 25942



M 504.9696 R 21917



M 516.9697 R 265153



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200608D1-1

Reviewed By: CT 06/09/2020

Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GC Break <20%	<input type="checkbox"/> NA	
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	<input type="checkbox"/> NA	
(ST-Year-Month-Day-VG ID)					
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:		
Correct ICAL referenced?	<u>DB</u>	<u>DB</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"/> Y	<input type="checkbox"/> N			
- Bottle position verified?	<u>DB</u>				

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_1.qld

Last Altered: Monday, June 08, 2020 13:55:49 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:56:37 Pacific Daylight Time

DB 6/8/20 C1 06/09/2020

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

Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	5.28e3	0.75	NO	0.987	1.000	26.036	26.02	1.001	1.001	8.9278	89.3 <i>78-129</i>	0.195	8.93
2	2 1,2,3,7,8-PeCDD	1.95e4	0.62	NO	0.982	1.000	30.610	30.59	1.001	1.000	45.694	91.4 <i>78-130</i>	0.295	45.7
3	3 1,2,3,4,7,8-HxCDD	1.78e4	1.28	NO	1.17	1.000	33.905	33.91	1.000	1.000	43.646	87.3 <i>78-128</i>	0.330	43.6
4	4 1,2,3,6,7,8-HxCDD	1.80e4	1.21	NO	1.04	1.000	33.994	34.02	1.000	1.001	41.301	82.6 <i>78-129</i>	0.353	41.3
5	5 1,2,3,7,8,9-HxCDD	1.79e4	1.19	NO	1.00	1.000	34.324	34.30	1.001	1.000	44.310	88.6 <i>82-122</i>	0.374	44.3
6	6 1,2,3,4,6,7,8-HpCDD	1.59e4	1.03	NO	0.992	1.000	37.780	37.79	1.000	1.001	48.912	97.8 <i>86-116</i>	0.309	48.9
7	7 OCDD	2.51e4	0.89	NO	1.04	1.000	41.016	41.04	1.000	1.001	87.814	87.8 <i>79-126</i>	0.337	87.8
8	8 2,3,7,8-TCDF	6.69e3	0.79	NO	0.882	1.000	25.220	25.22	1.001	1.001	9.5361	95.4 <i>84-120</i>	0.194	9.54
9	9 1,2,3,7,8-PeCDF	2.87e4	1.64	NO	1.05	1.000	29.401	29.40	1.001	1.001	41.158	82.3 <i>82-120</i>	0.214	41.2
10	10 2,3,4,7,8-PeCDF	2.87e4	1.53	NO	1.06	1.000	30.317	30.31	1.001	1.001	41.110	82.2 <i>82-120</i>	0.207	41.1
11	11 1,2,3,4,7,8-HxCDF	2.53e4	1.27	NO	1.08	1.000	33.006	33.02	1.000	1.000	46.525	93.1 <i>90-112</i>	0.283	46.5
12	12 1,2,3,6,7,8-HxCDF	2.67e4	1.26	NO	1.04	1.000	33.137	33.15	1.000	1.001	47.808	95.6 <i>88-114</i>	0.296	47.8
13	13 2,3,4,6,7,8-HxCDF	2.67e4	1.26	NO	1.11	1.000	33.753	33.74	1.001	1.001	48.340	96.7 <i>88-114</i>	0.289	48.3
14	14 1,2,3,7,8,9-HxCDF	2.17e4	1.27	NO	1.06	1.000	34.652	34.67	1.000	1.001	47.970	95.9 <i>90-112</i>	0.388	48.0
15	15 1,2,3,4,6,7,8-HpCDF	2.27e4	1.03	NO	1.13	1.000	36.521	36.50	1.001	1.000	46.041	92.1 <i>90-110</i>	0.326	46.0
16	16 1,2,3,4,7,8,9-HpCDF	1.84e4	1.01	NO	1.33	1.000	38.306	38.32	1.000	1.000	45.970	91.9 <i>86-116</i>	0.321	46.0
17	17 OCDF	3.01e4	0.91	NO	0.933	1.000	41.247	41.25	1.000	1.000	97.643	97.6 <i>63-159</i>	0.282	97.6
18	18 13C-2,3,7,8-TCDD	5.99e4	0.78	NO	1.21	1.000	26.100	26.00	1.026	1.022	105.16	105 <i>82-121</i>	0.474	
19	19 13C-1,2,3,7,8-PeCDD	4.34e4	0.61	NO	0.996	1.000	30.578	30.59	1.202	1.202	92.397	92.4 <i>62-160</i>	0.414	
20	20 13C-1,2,3,4,7,8-HxCDD	3.47e4	1.25	NO	0.679	1.000	33.880	33.90	1.014	1.014	111.60	112 <i>85-117</i>	0.616	
21	21 13C-1,2,3,6,7,8-HxCDD	4.20e4	1.25	NO	0.850	1.000	33.990	33.99	1.017	1.017	107.82	108 <i>85-118</i>	0.492	
22	22 13C-1,2,3,7,8,9-HxCDD	4.03e4	1.26	NO	0.798	1.000	34.261	34.29	1.025	1.026	110.05	110 <i>85-118</i>	0.524	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.28e4	1.02	NO	0.697	1.000	37.723	37.77	1.129	1.130	102.82	103 <i>72-138</i>	0.552	
24	24 13C-OCDD	5.52e4	0.89	NO	0.579	1.000	40.743	41.02	1.219	1.228	208.12	104 <i>48-207</i>	0.455	
25	25 13C-2,3,7,8-TCDF	7.96e4	0.77	NO	1.13	1.000	25.185	25.19	0.990	0.990	103.46	103 <i>71-140</i>	0.451	
26	26 13C-1,2,3,7,8-PeCDF	6.67e4	1.59	NO	0.996	1.000	29.400	29.38	1.156	1.155	98.119	98.1 <i>76-130</i>	0.818	
27	27 13C-2,3,4,7,8-PeCDF	6.59e4	1.63	NO	0.969	1.000	30.298	30.29	1.191	1.191	99.570	99.6 <i>77-130</i>	0.841	
28	28 13C-1,2,3,4,7,8-HxCDF	5.03e4	0.50	NO	1.06	1.000	33.011	33.01	0.988	0.988	103.78	104 <i>76-131</i>	0.639	
29	29 13C-1,2,3,6,7,8-HxCDF	5.35e4	0.53	NO	1.18	1.000	33.145	33.13	0.992	0.991	99.373	99.4 <i>70-143</i>	0.575	
30	30 13C-2,3,4,6,7,8-HxCDF	4.96e4	0.52	NO	1.06	1.000	33.716	33.72	1.009	1.009	102.50	102 <i>73-137</i>	0.640	
31	31 13C-1,2,3,7,8,9-HxCDF	4.28e4	0.52	NO	0.879	1.000	34.615	34.65	1.036	1.037	106.25	106 <i>74-135</i>	0.769	

Dataset: U:\VG7.PRO\Results\200608D1\200608D1_1.qld

Last Altered: Monday, June 08, 2020 13:55:49 Pacific Daylight Time

Printed: Monday, June 08, 2020 13:56:37 Pacific Daylight Time

Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPG
32	13C-1,2,3,4,6,7,8-HpCDF	4.37e4	0.41	NO	0.893	1.000	36.319	36.48	1.087	1.092	106.77	107 78-129	0.664	
33	13C-1,2,3,4,7,8,9-HpCDF	3.01e4	0.42	NO	0.613	1.000	38.324	38.31	1.147	1.146	106.96	107 77-129	0.967	
34	13C-OCDF	6.61e4	0.87	NO	0.741	1.000	40.897	41.25	1.224	1.234	194.64	97.3 48-207	0.464	
35	37Cl-2,3,7,8-TCDD	5.65e3			1.18	1.000	26.098	26.02	1.026	1.023	10.140	101 79-127	0.118	
36	13C-1,2,3,4-TCDD	4.72e4	0.79	NO	1.00	1.000	25.480	25.44	1.000	1.000	100.00	100	0.572	
37	13C-1,2,3,4-TCDF	6.83e4	0.77	NO	1.00	1.000	24.020	23.96	1.000	1.000	100.00	100	0.509	
38	13C-1,2,3,4,6,9-HxCDF	4.58e4	0.50	NO	1.00	1.000	33.530	33.41	1.000	1.000	100.00	100	0.676	

Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 09:29:59 Pacific Daylight Time

Printed: Tuesday, June 09, 2020 09:30:28 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34

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

Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	RT
1 1,3,6,8-TCDD (First)	22.53
2 1,2,8,9-TCDD (Last)	26.89
3 1,2,4,7,9-PeCDD (First)	28.54
4 1,2,3,8,9-PeCDD (Last)	30.95
5 1,2,4,6,7,9-HxCDD (First)	32.38
6 1,2,3,7,8,9-HxCDD (Last)	34.30
7 1,2,3,4,6,7,9-HpCDD (First)	36.90
8 1,2,3,4,6,7,8-HpCDD (Last)	37.79
9 1,3,6,8-TCDF (First)	20.38
10 1,2,8,9-TCDF (Last)	27.04
11 1,3,4,6,8-PeCDF (First)	27.01
12 1,2,3,8,9-PeCDF (Last)	31.19
13 1,2,3,4,6,8-HxCDF (First)	31.85
14 1,2,3,7,8,9-HxCDF (Last)	34.67
15 1,2,3,4,6,7,8-HpCDF (First)	36.50
16 1,2,3,4,7,8,9-HpCDF (Last)	38.32

Dataset: Untitled

Last Altered: Tuesday, June 09, 2020 09:29:22 Pacific Daylight Time
Printed: Tuesday, June 09, 2020 09:29:37 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

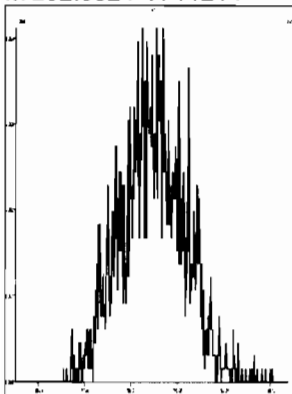
Compound name: 2,3,7,8-TCDD

		Acq.Date	Acq.Time
200608D1_1	ST200608D1-1 1613 CS3 19L2305	08-Jun-20	13:00:13
200608D1_2	SOLVENT BLANK	08-Jun-20	13:45:21
200608D1_3	2000996-12 PDI-060SC-A-08-09-200428 16.8	08-Jun-20	14:30:33
200608D1_4	2000996-13 PDI-060SC-A-09-10-200428 14.85	08-Jun-20	15:15:42
200608D1_5	2000996-14 PDI-060SC-B-00-02-200428 14.93	08-Jun-20	16:00:50
200608D1_6	2000996-15 PDI-060SC-B-02-04-200428 16.53	08-Jun-20	16:45:58
200608D1_7	2000996-16 PDI-060SC-B-04-06-200428 16.51	08-Jun-20	17:31:06
200608D1_8	2000996-17 PDI-060SC-B-06-08-200428 15.64	08-Jun-20	18:16:13
200608D1_9	2000998-04@3X PDI-063SC-B-00-02-200429 ...	08-Jun-20	19:01:21
200608D1_10	2000998-06@3X PDI-063SC-B-05-07-200429 ...	08-Jun-20	19:46:29
200608D1_11	2000998-05@3X PDI-063SC-B-02-05-200429 ...	08-Jun-20	20:31:35
200608D1_12	B0E0100-DUP2@5X Duplicate 1:5 18.88	08-Jun-20	21:16:42

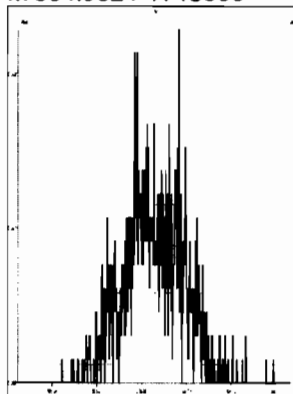
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, June 08, 2020 12:55:57 Pacific Daylight Time

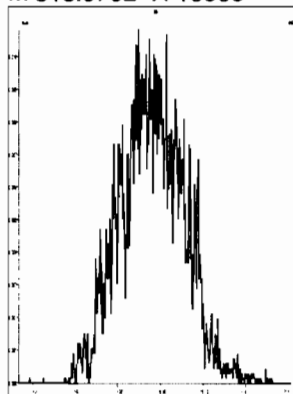
M 292.9824 R 11214



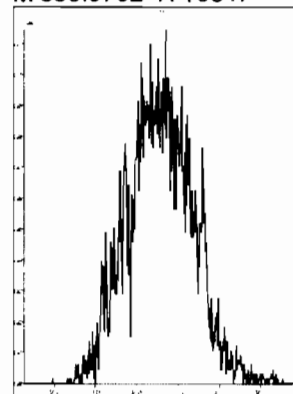
M 304.9824 R 13300



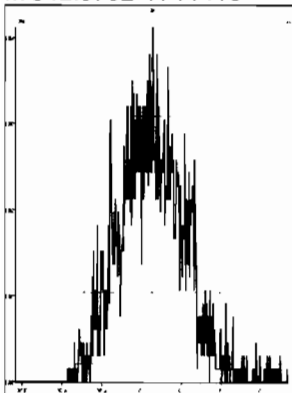
M 318.9792 R 10505



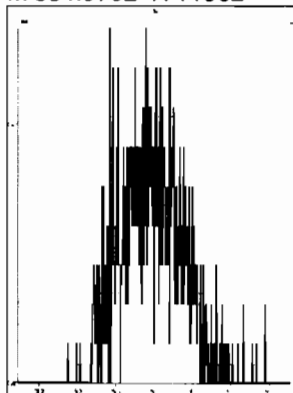
M 330.9792 R 10547



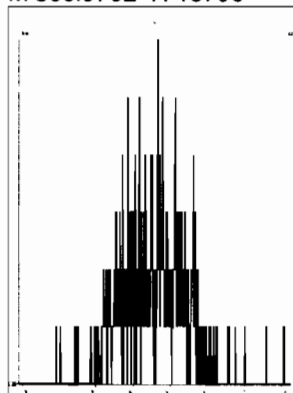
M 342.9792 R 11418



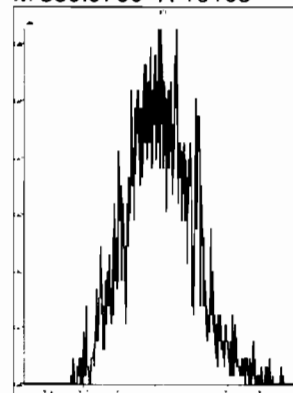
M 354.9792 R 11962



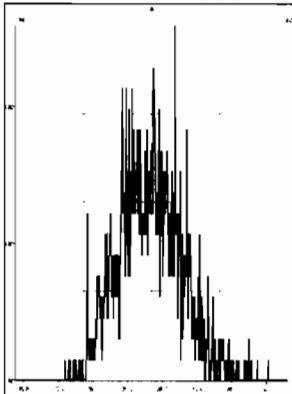
M 366.9792 R 18796



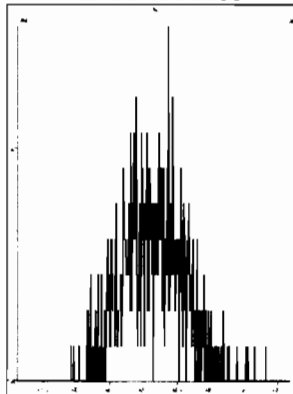
M 380.9760 R 10165



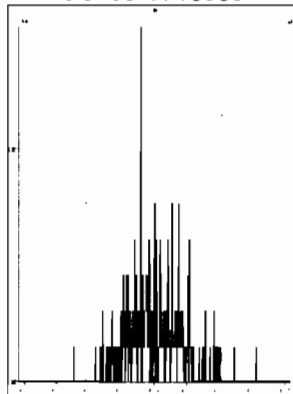
M 392.9760 R 11365



M 404.9760 R 13089



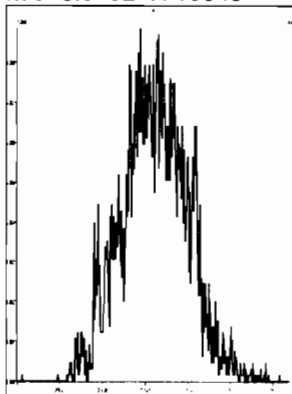
M 416.9760 R 18380



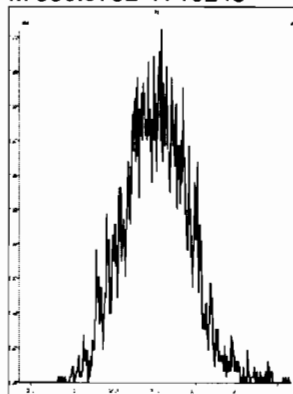
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, June 08, 2020 12:57:01 Pacific Daylight Time

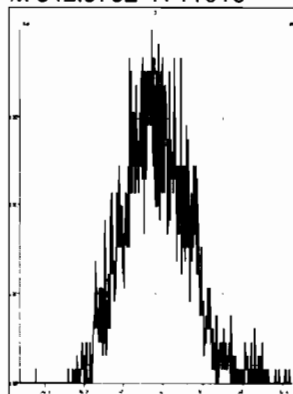
M 318.9792 R 10549



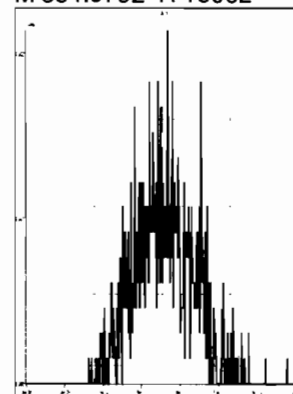
M 330.9792 R 10245



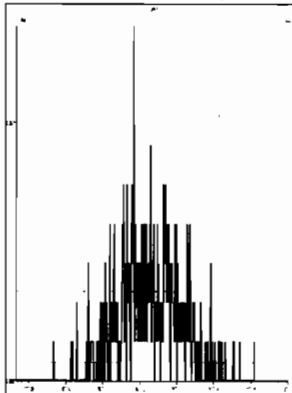
M 342.9792 R 11016



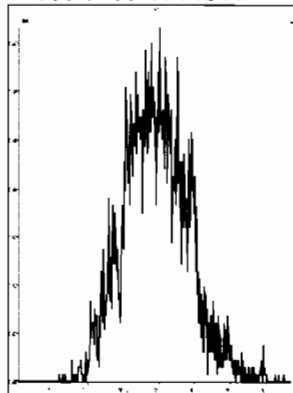
M 354.9792 R 15062



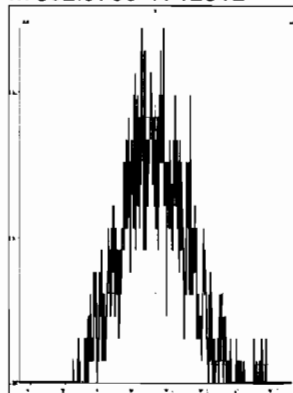
M 366.9792 R 14792



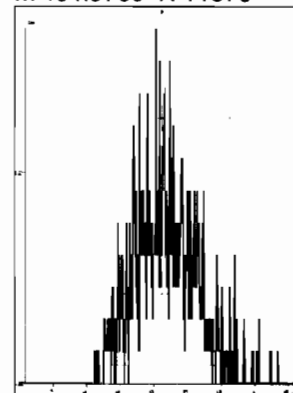
M 380.9760 R 11311



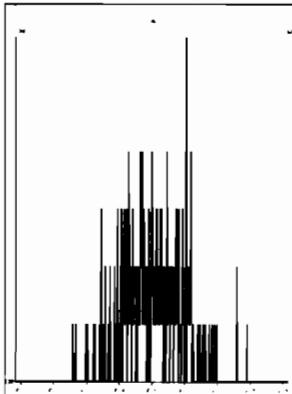
M 392.9760 R 12312



M 404.9760 R 11570



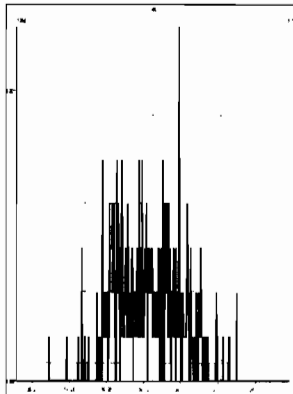
M 416.9760 R 23808



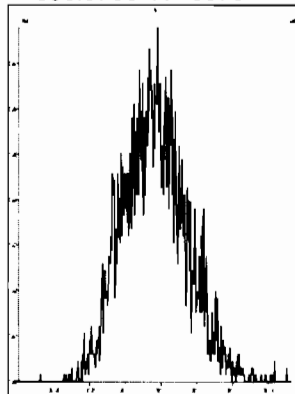
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, June 08, 2020 12:57:45 Pacific Daylight Time

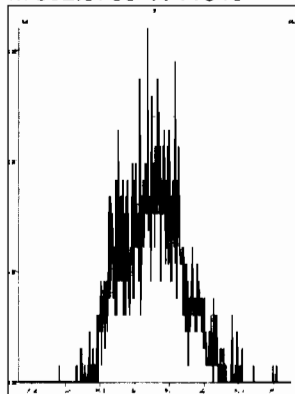
M 366.9792 R 17604



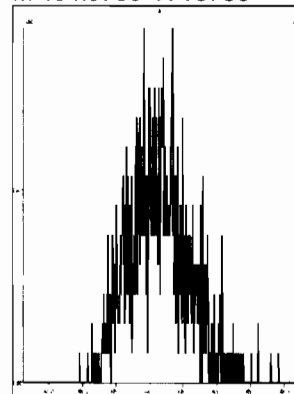
M 380.9760 R 10079



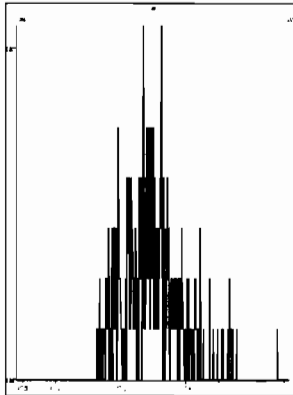
M 392.9760 R 11845



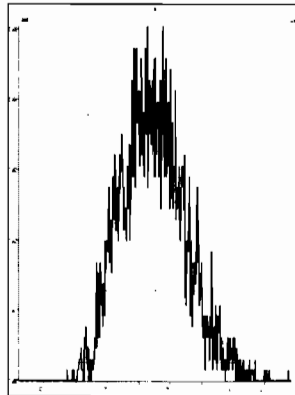
M 404.9760 R 13736



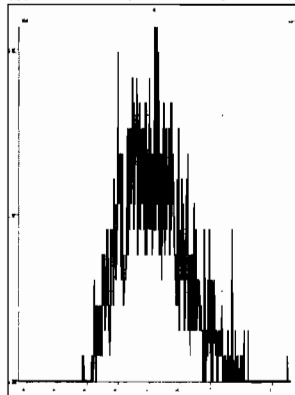
M 416.9760 R 15826



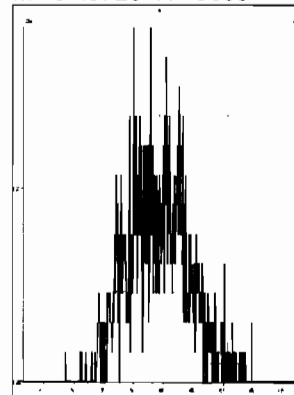
M 430.9728 R 11263



M 442.9728 R 12132



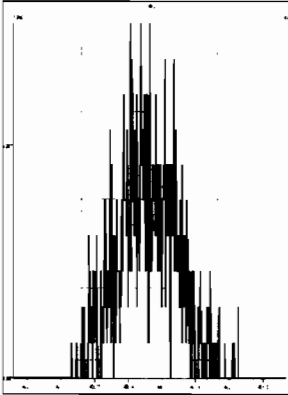
M 454.9728 R 10683



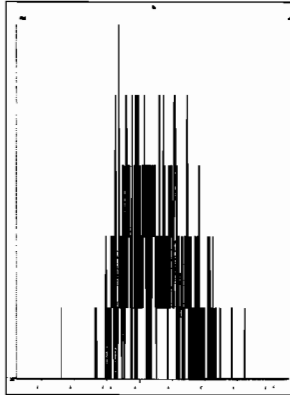
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, June 08, 2020 12:58:28 Pacific Daylight Time

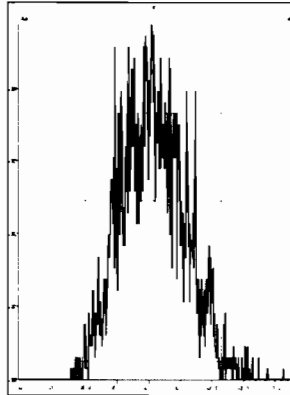
M 404.9760 R 14535



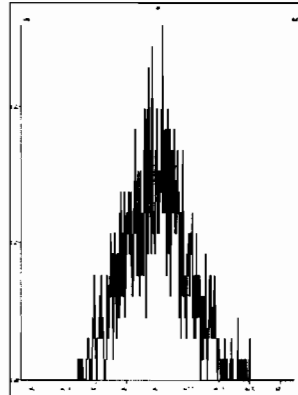
M 416.9760 R 18655



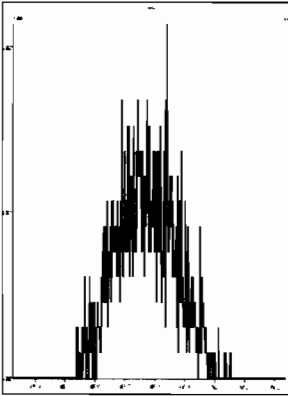
M 430.9728 R 10329



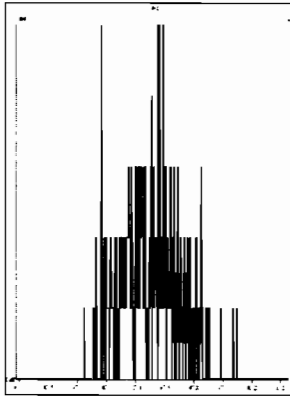
M 442.9728 R 13370



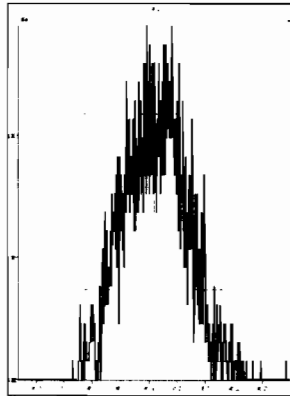
M 454.9728 R 13298



M 466.9728 R 27171



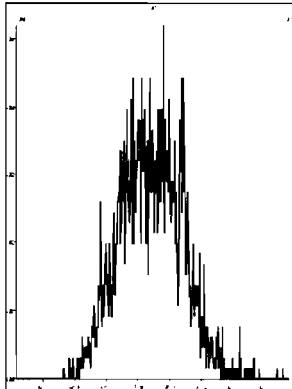
M 480.9696 R 12257



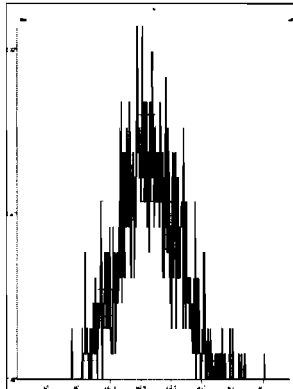
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, June 08, 2020 12:59:12 Pacific Daylight Time

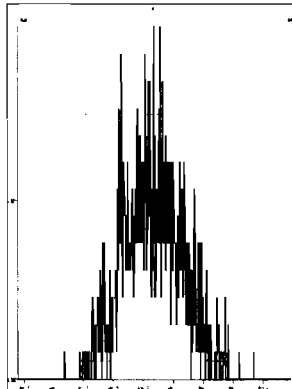
M 430.9728 R 10592



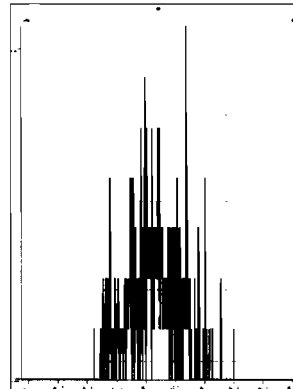
M 442.9728 R 12193



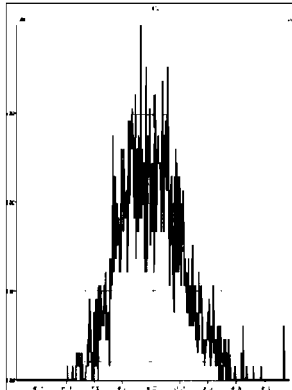
M 454.9728 R 11013



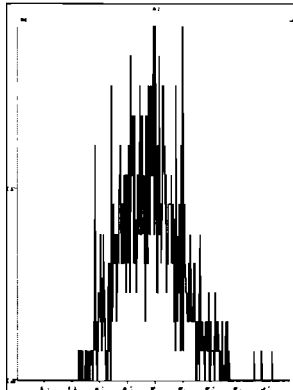
M 466.9728 R 17730



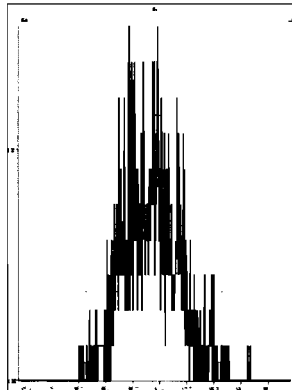
M 480.9696 R 11311



M 492.9696 R 11625

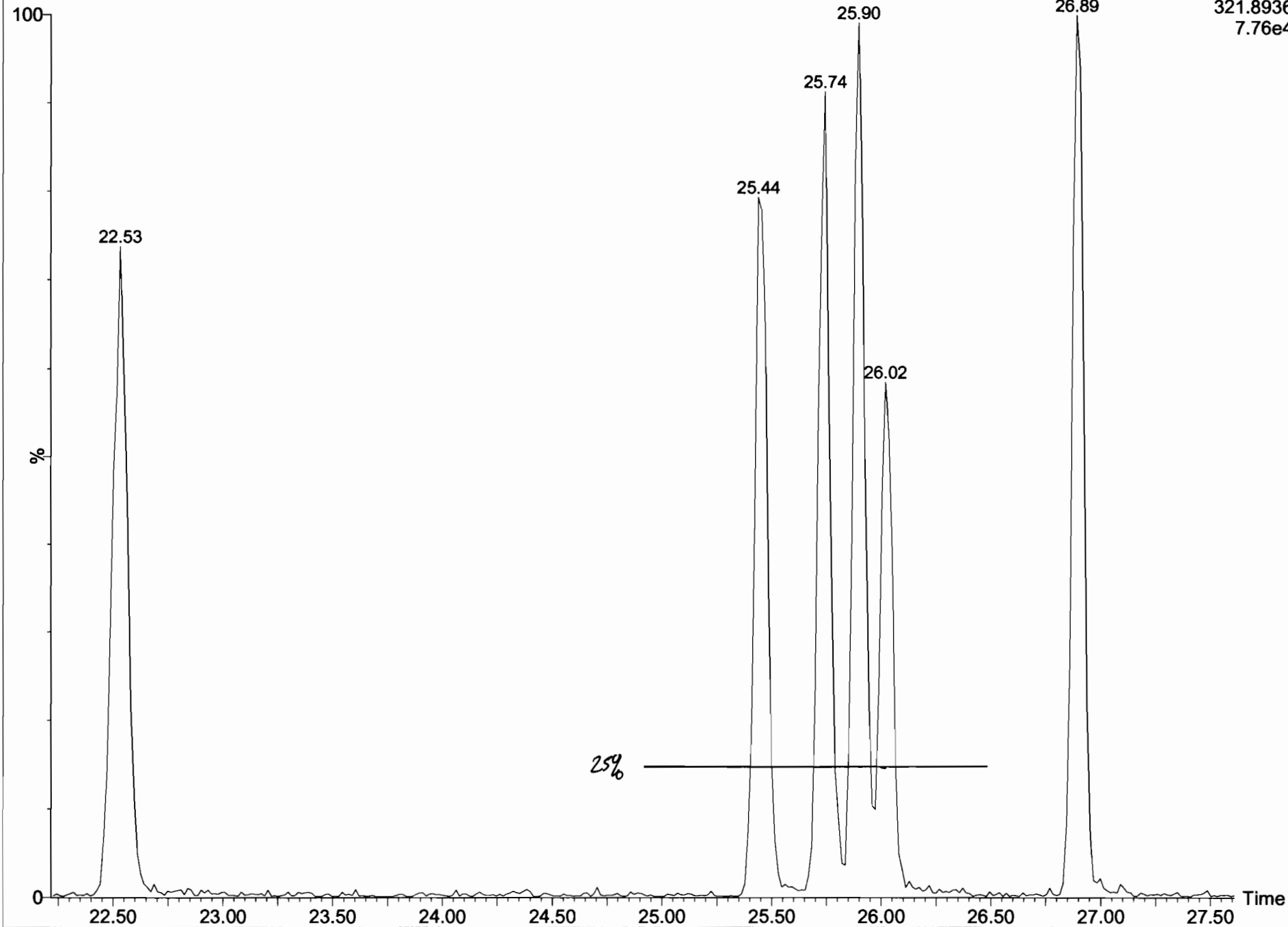


M 504.9696 R 14124



M 516.9697 R 13735





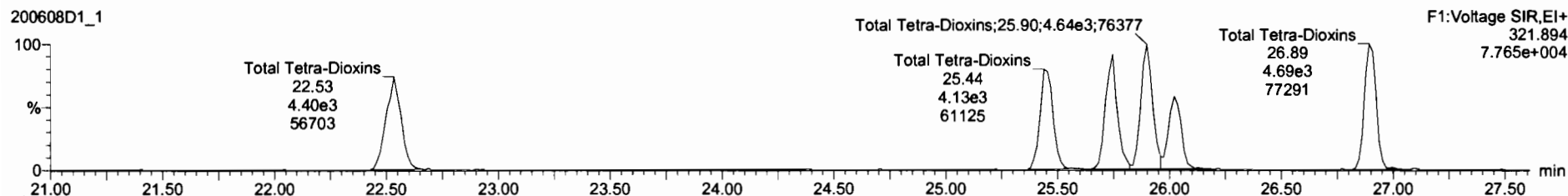
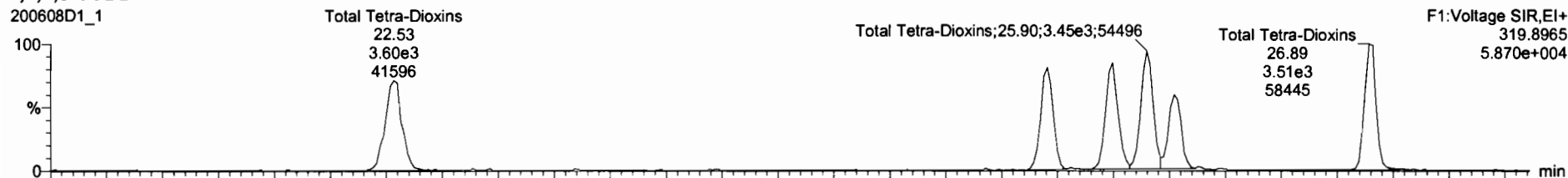
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_1.qld

Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

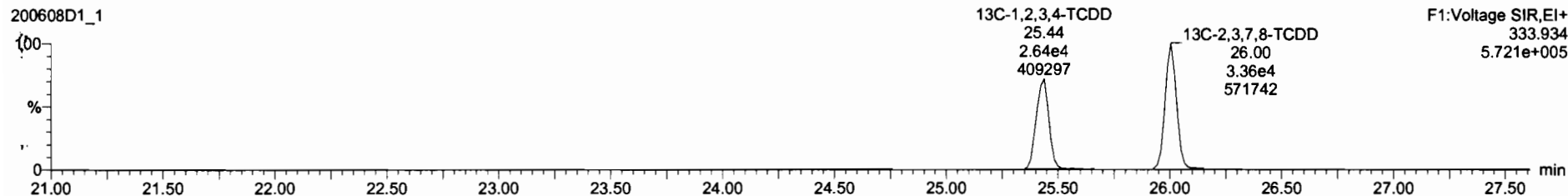
Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



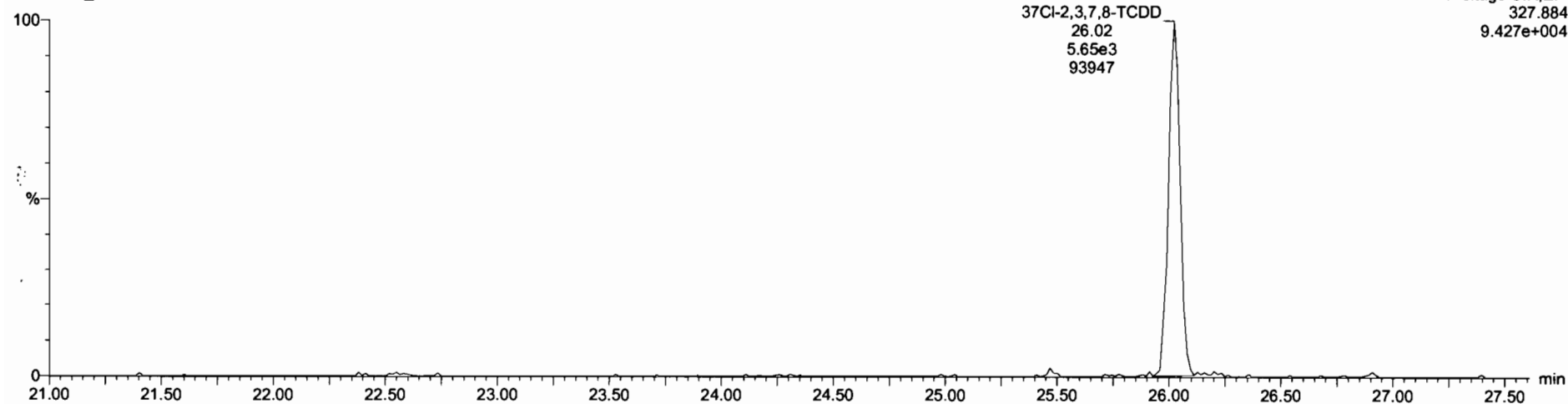
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_1.qld

Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

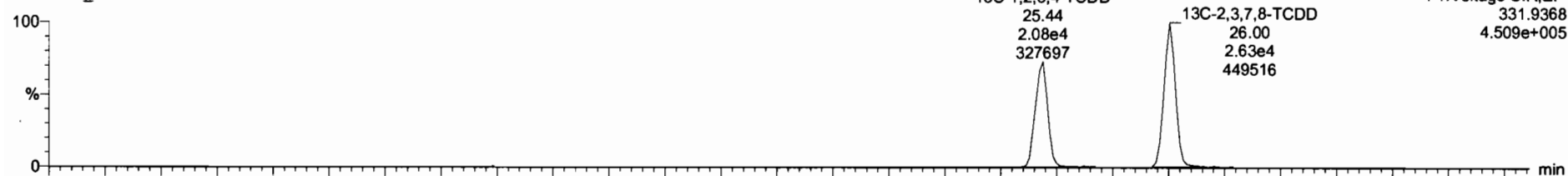
37Cl-2,3,7,8-TCDD

200608D1_1

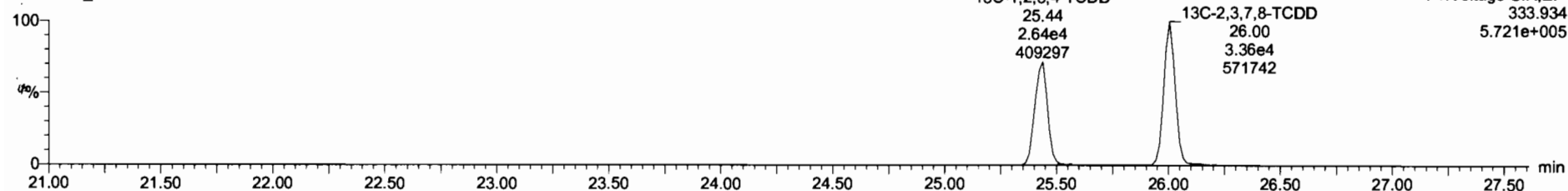


13C-1,2,3,4-TCDD

200608D1_1



200608D1_1



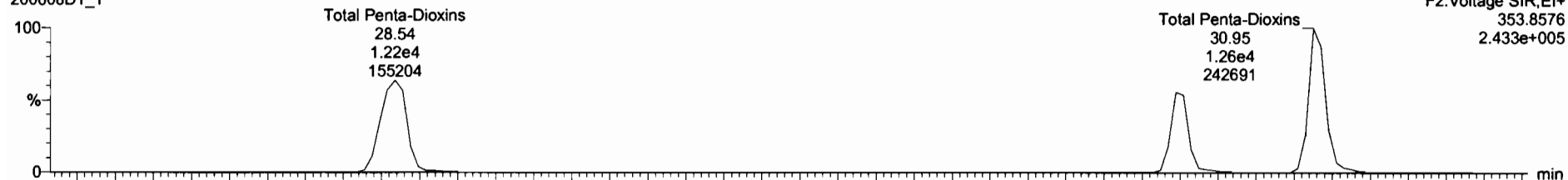
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Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

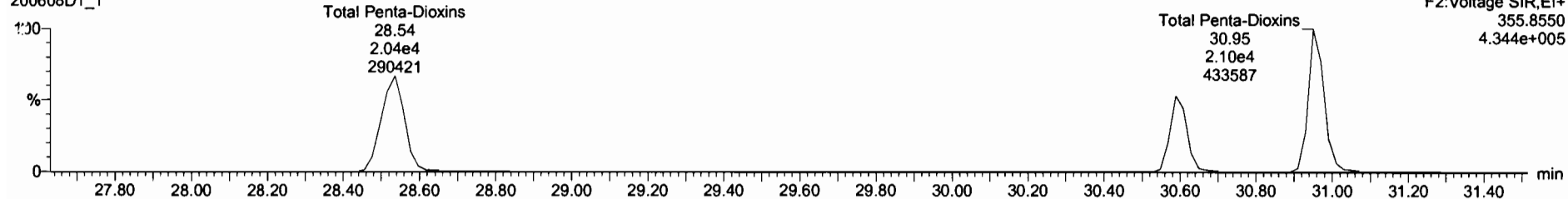
Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200608D1_1



200608D1_1

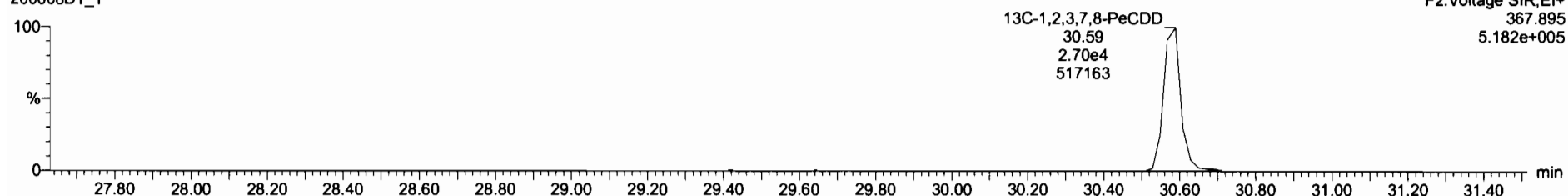


¹³C-1,2,3,7,8-PeCDD

200608D1_1



200608D1_1



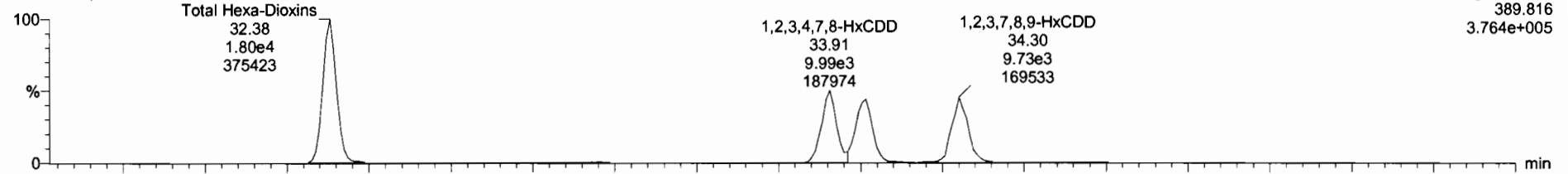
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Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

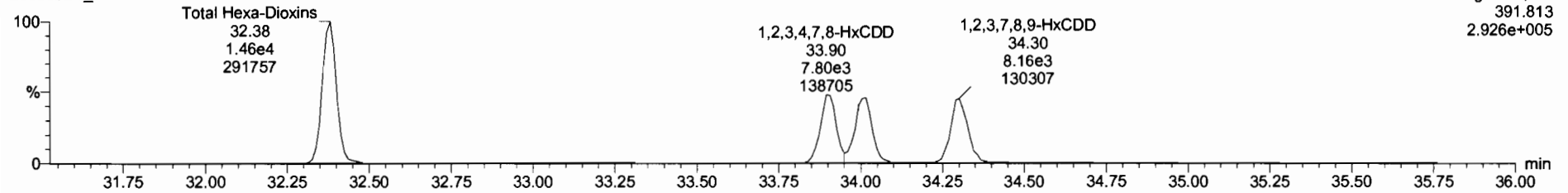
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1,2,3,4,7,8-HxCDD

200608D1_1

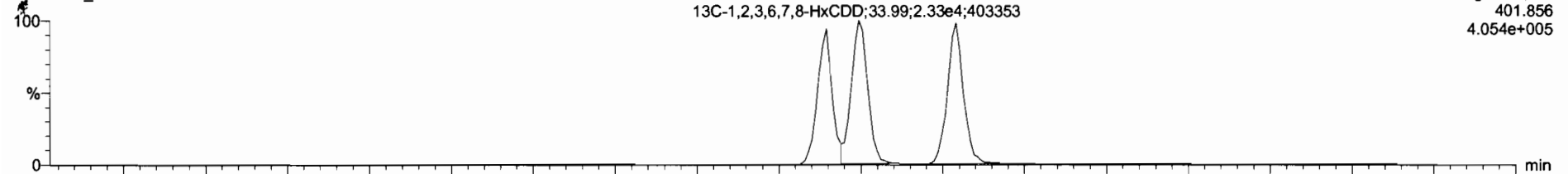


200608D1_1

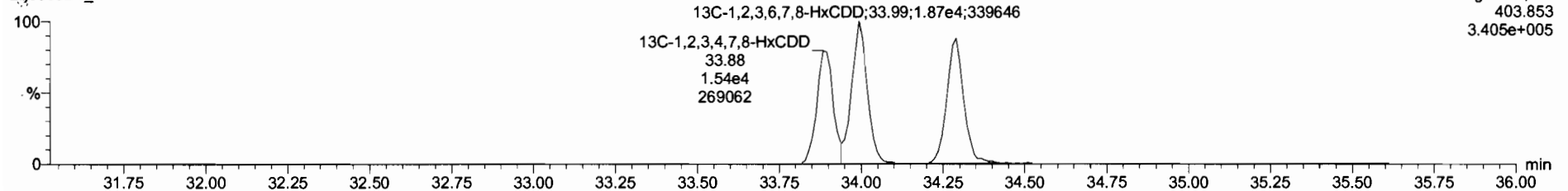


13C-1,2,3,4,7,8-HxCDD

200608D1_1



200608D1_1



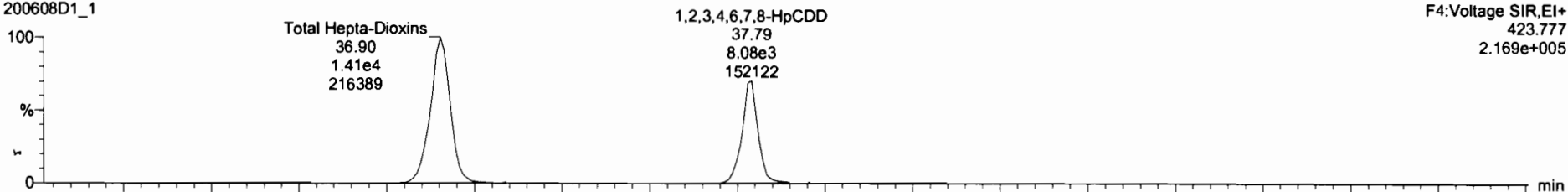
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Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

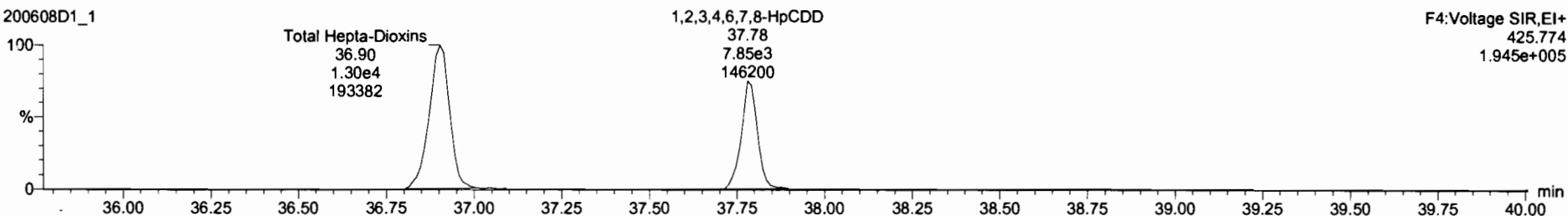
Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200608D1_1

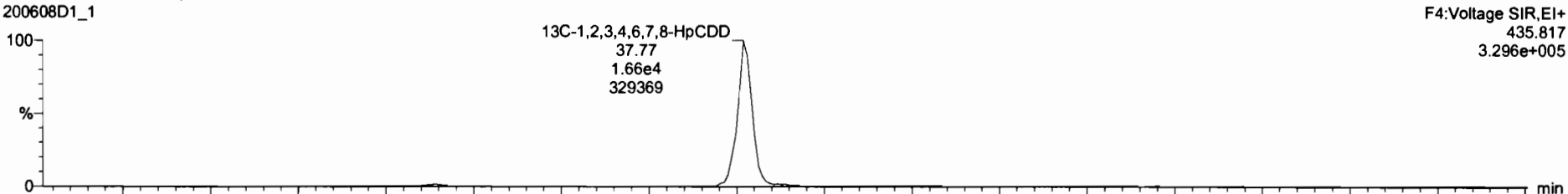


200608D1_1

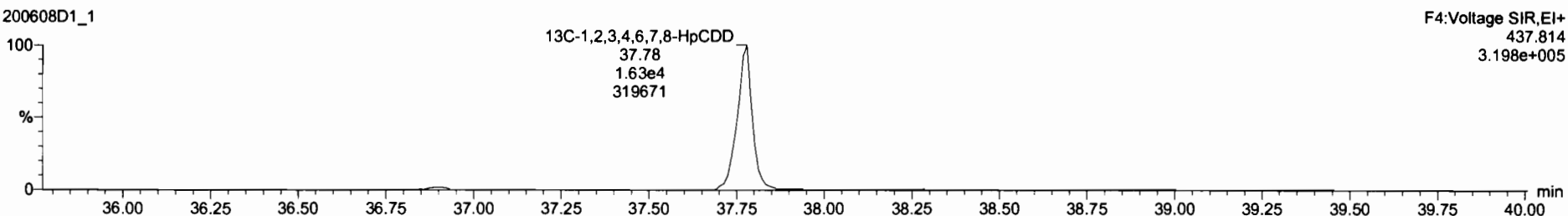


13C-1,2,3,4,6,7,8-HpCDD

200608D1_1



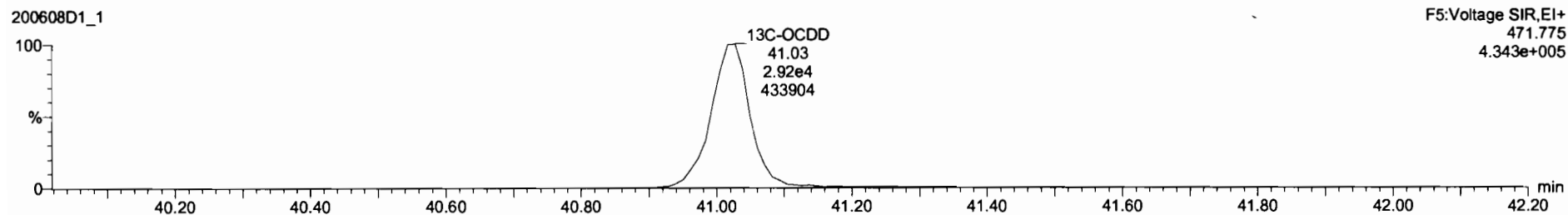
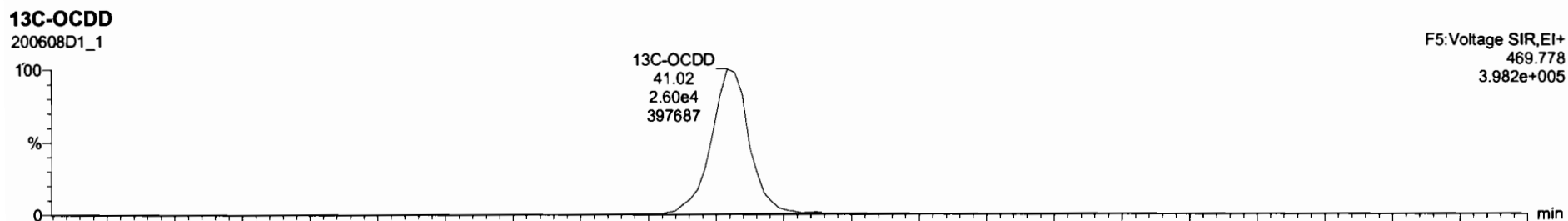
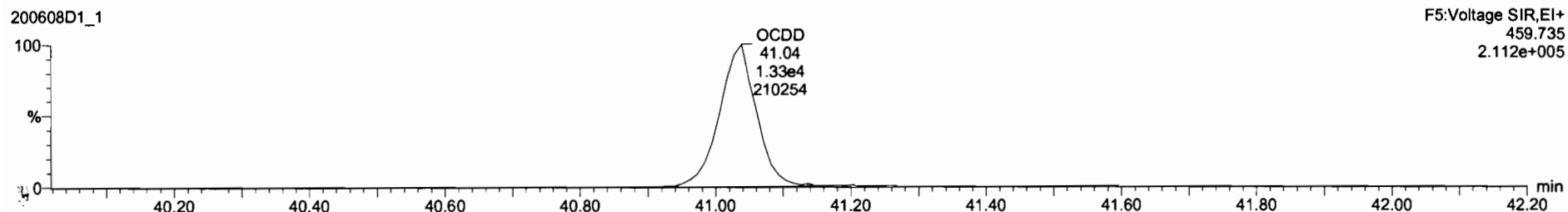
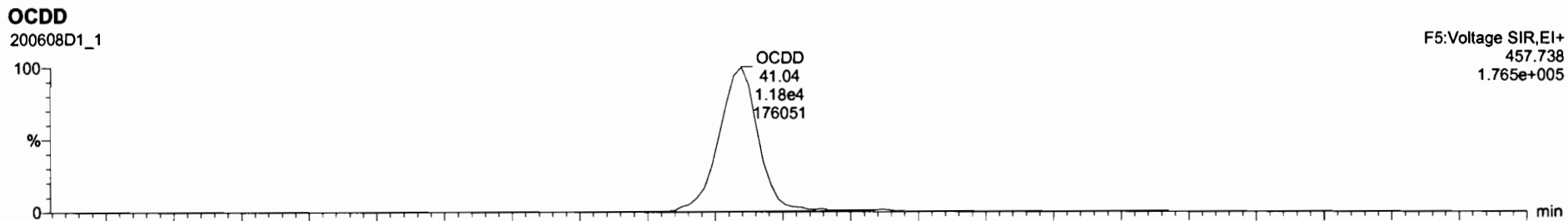
200608D1_1



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_1.qld

Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_1.qld

Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

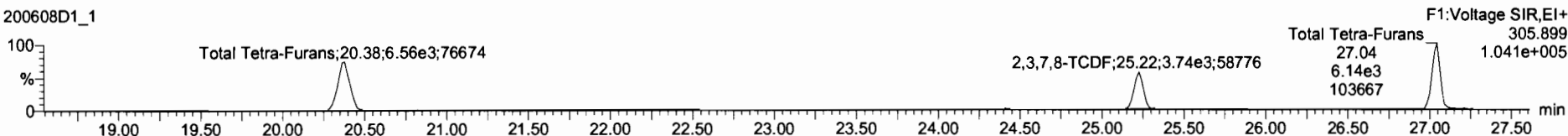
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2,3,7,8-TCDF

200608D1_1

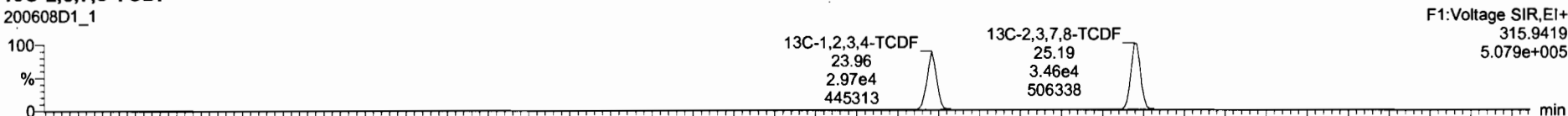


200608D1_1

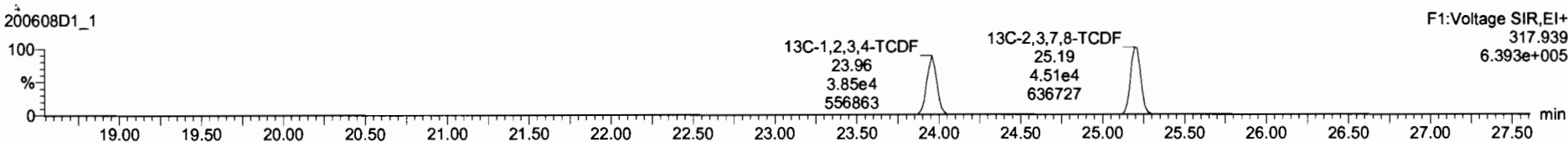


13C-2,3,7,8-TCDF

200608D1_1

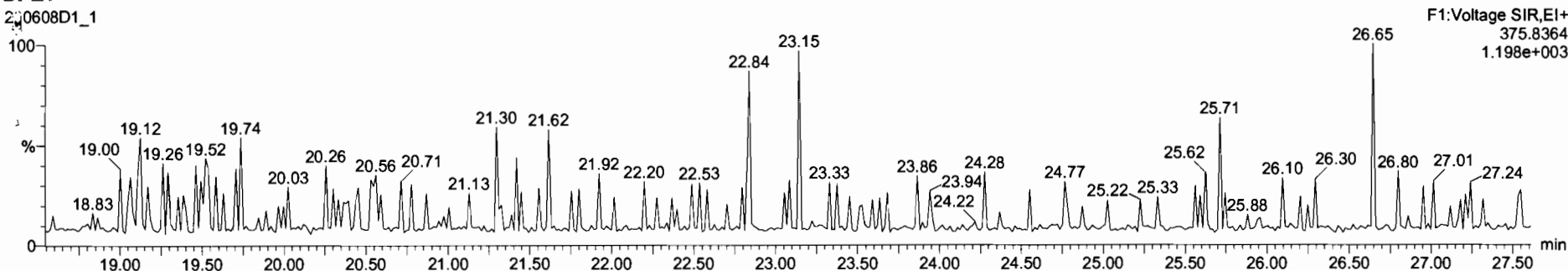


200608D1_1



DPE1

200608D1_1



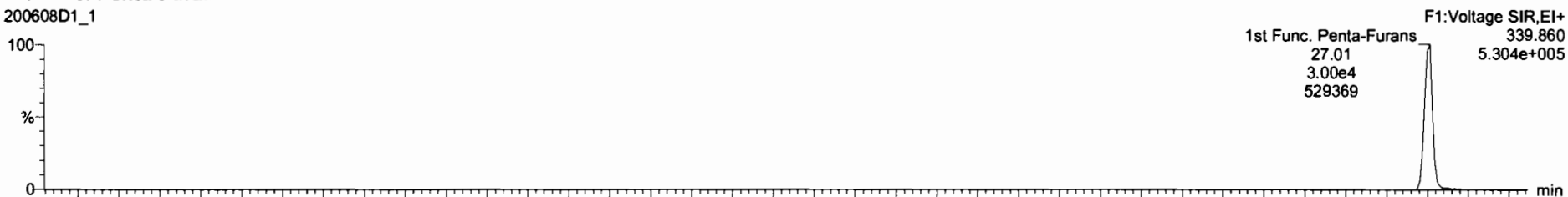
Dataset: U:\VG7.PRO\Results\200608D1\200608D1_1.qld

Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

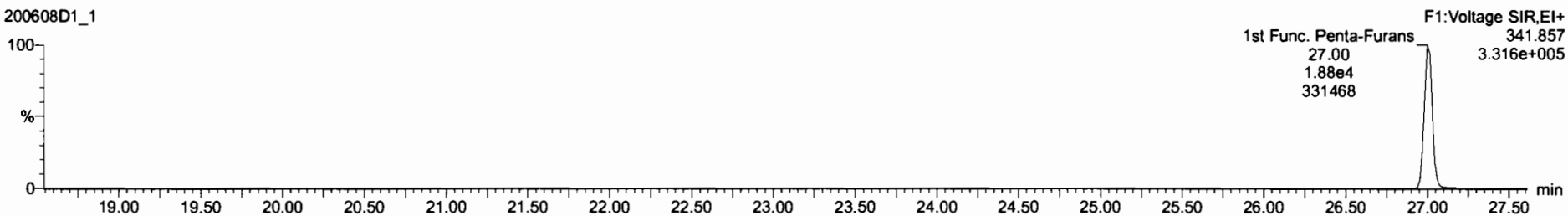
Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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200608D1_1

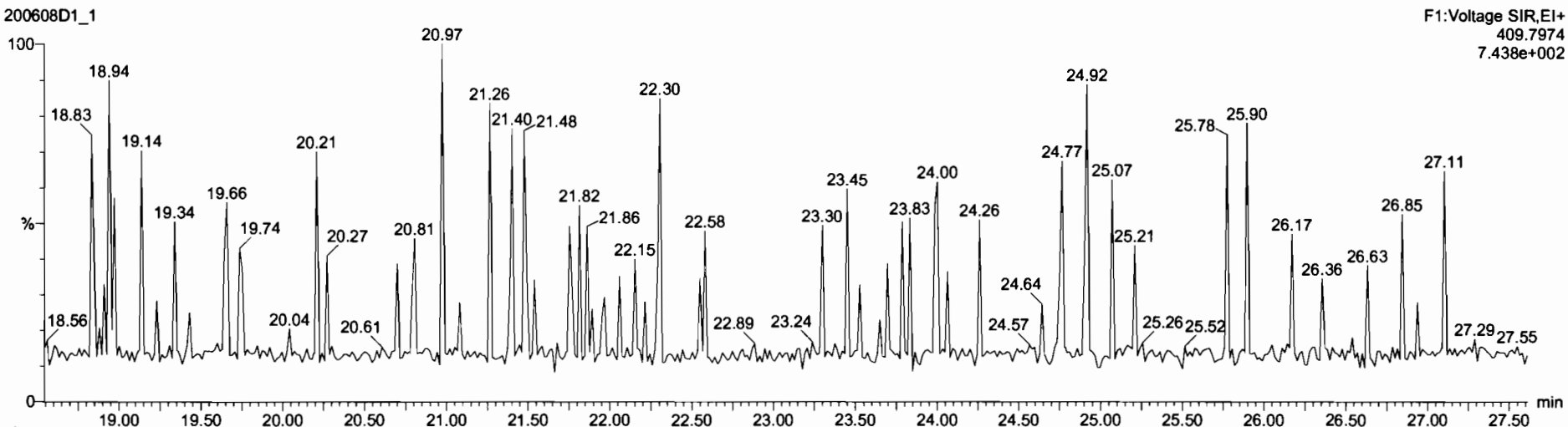


200608D1_1



DPE6

200608D1_1



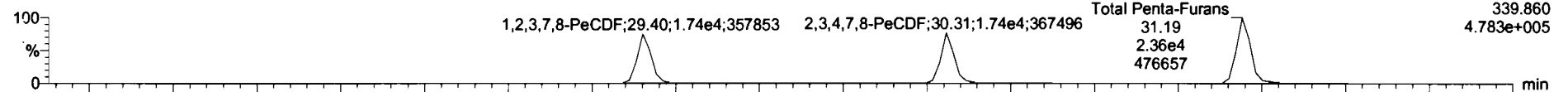
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Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

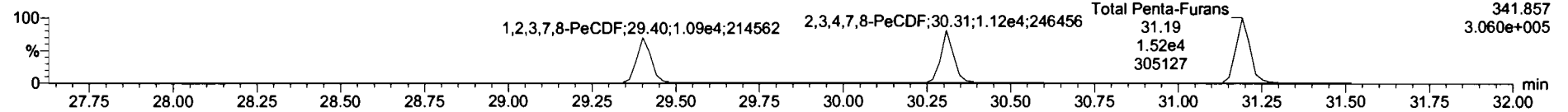
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1,2,3,7,8-PeCDF

200608D1_1

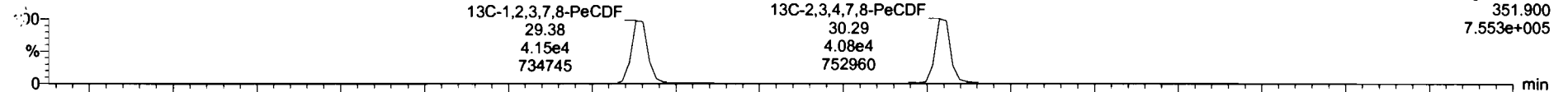


200608D1_1

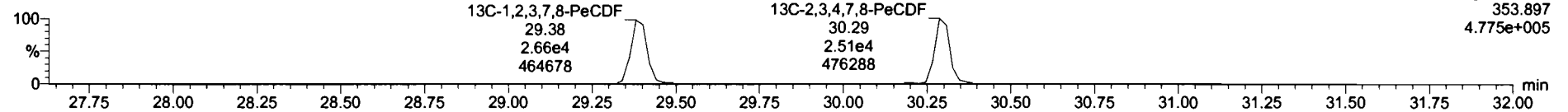


13C-1,2,3,7,8-PeCDF

200608D1_1

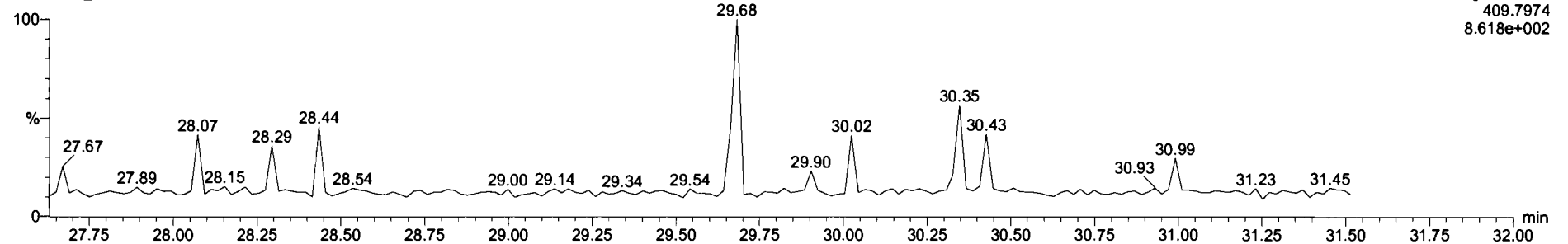


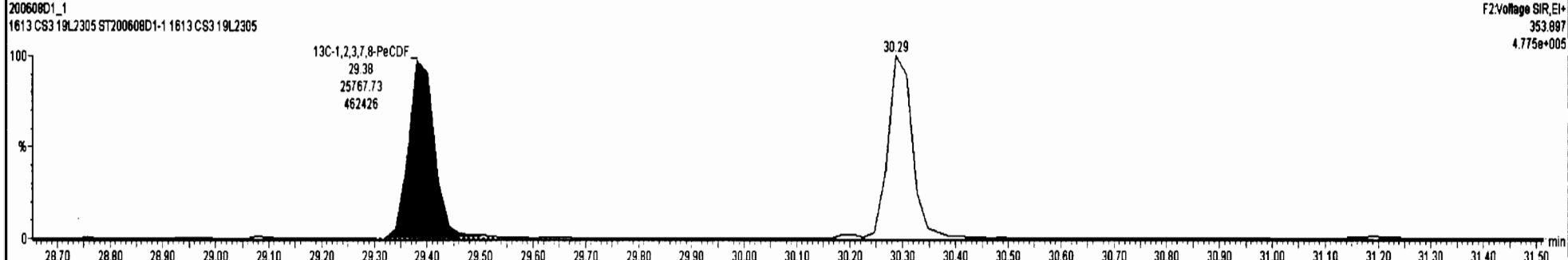
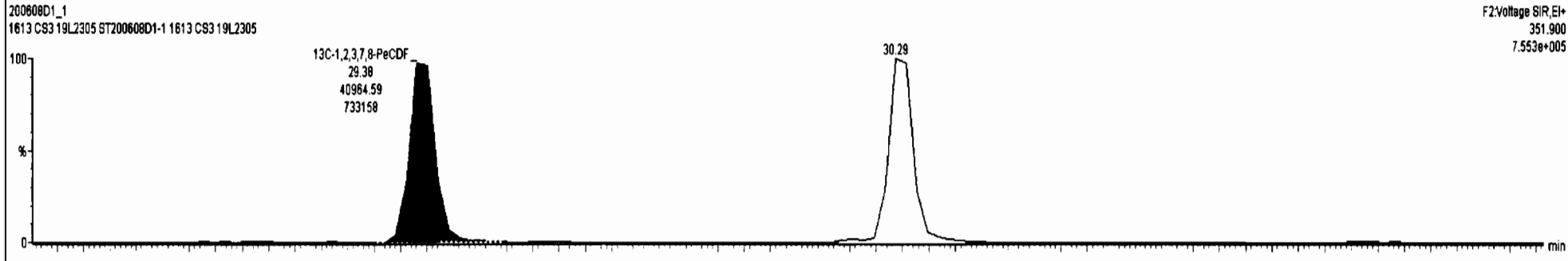
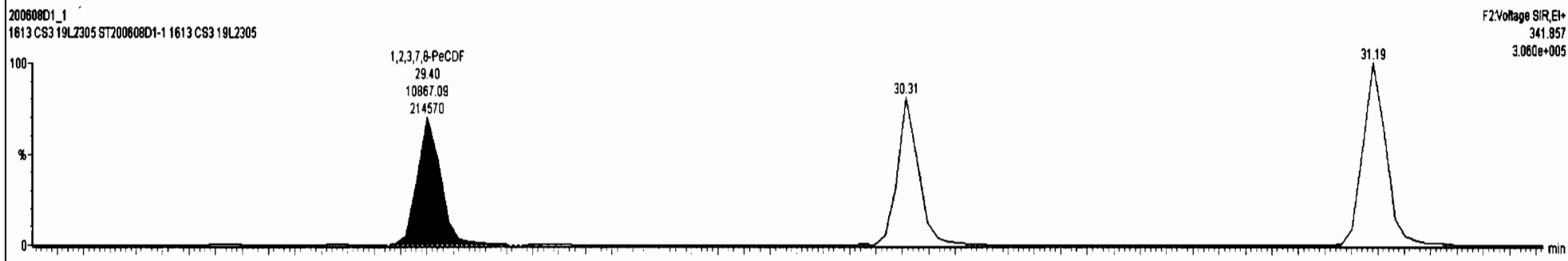
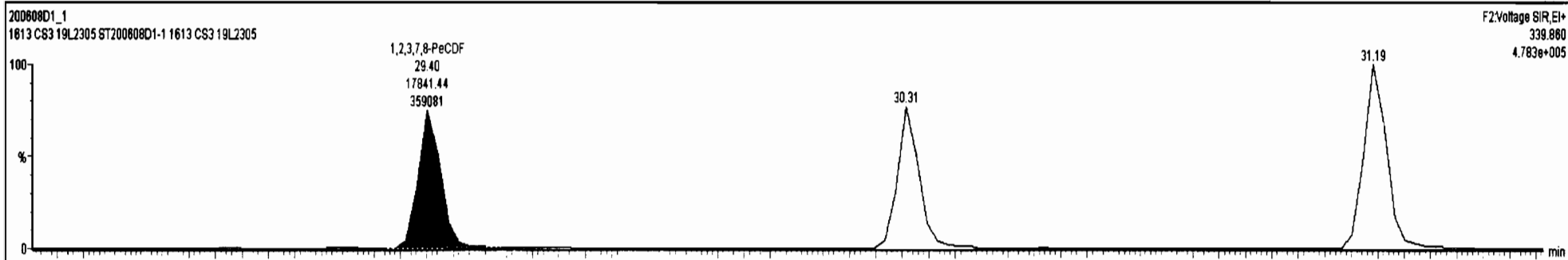
200608D1_1

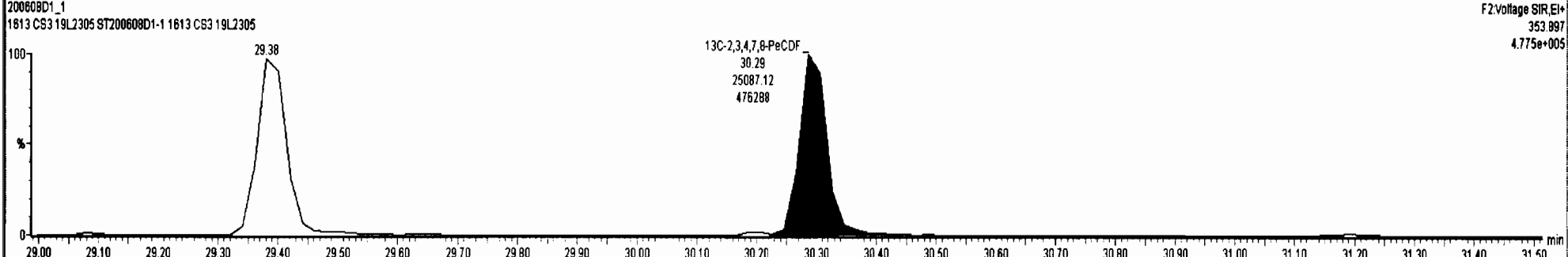
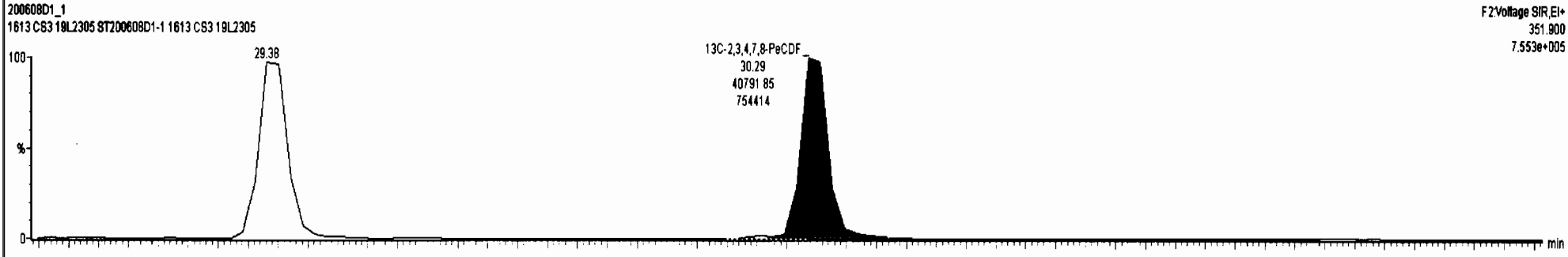
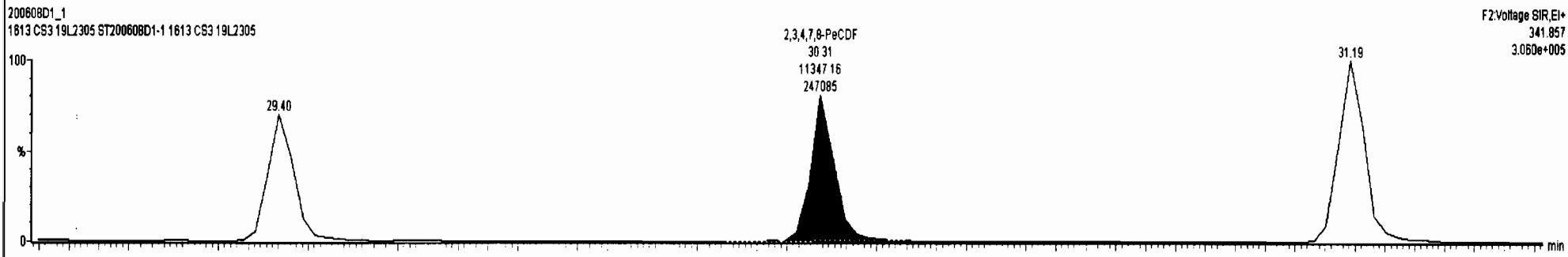
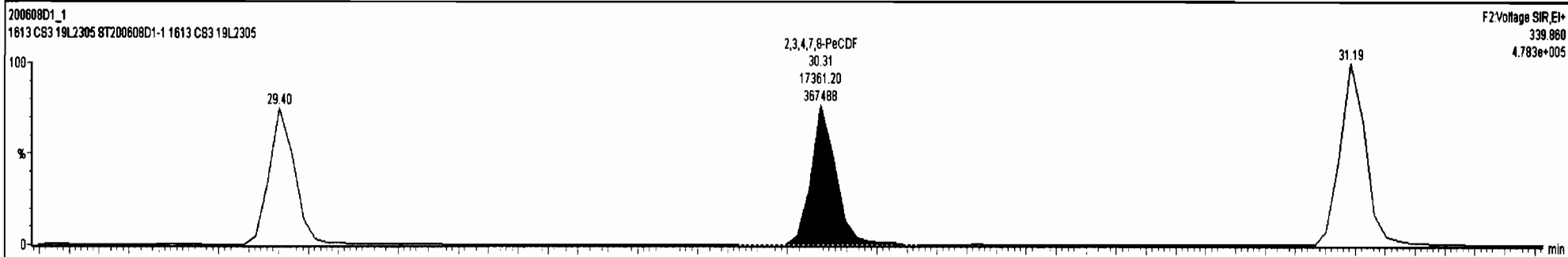


DPE2

200608D1_1





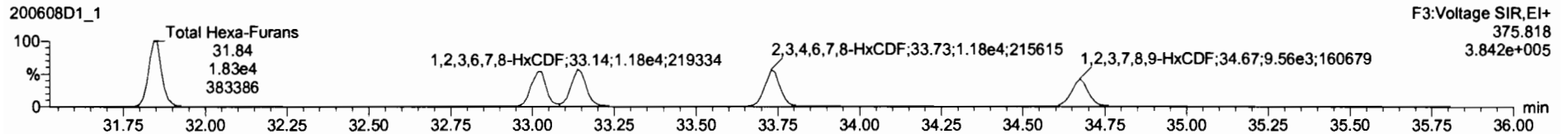
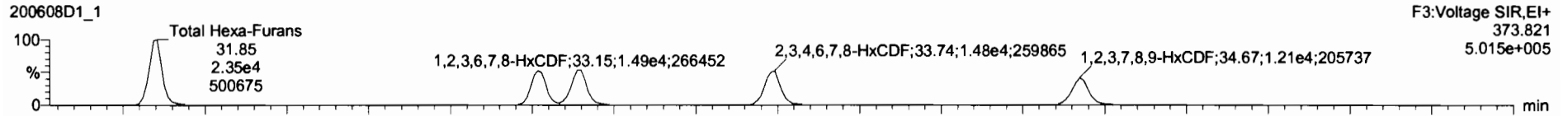


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_1.qld

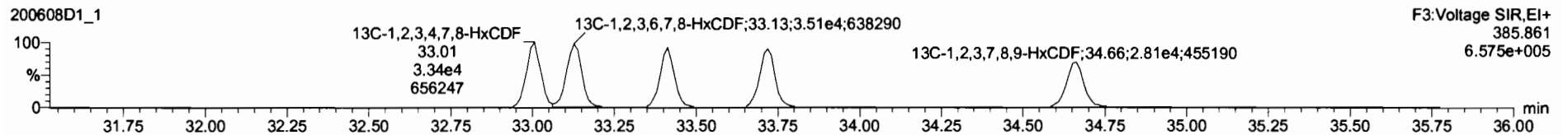
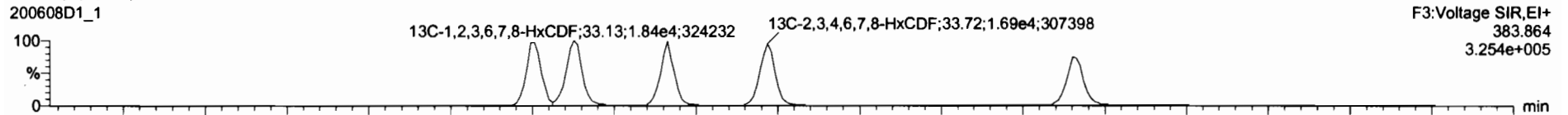
Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

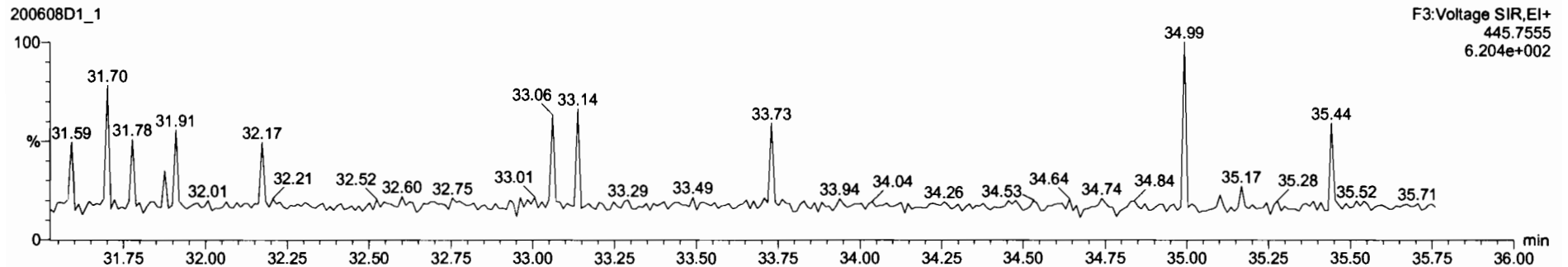
1,2,3,4,7,8-HxCDF



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



DPE3

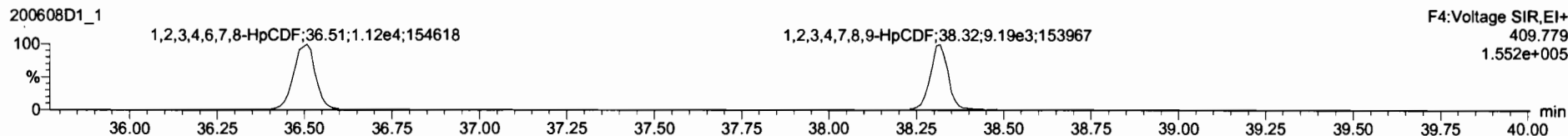
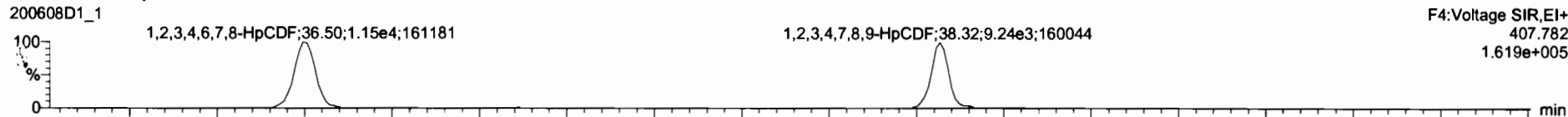


Dataset: U:\VG7.PRO\Results\200608D1\200608D1_1.qld

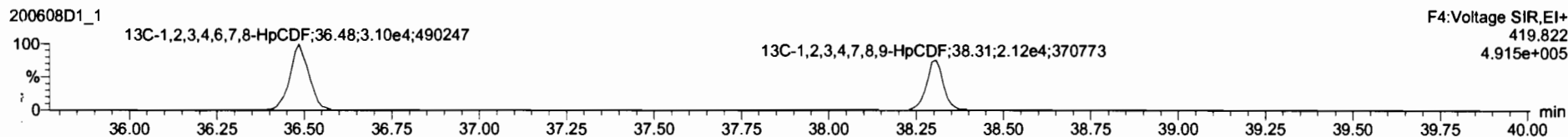
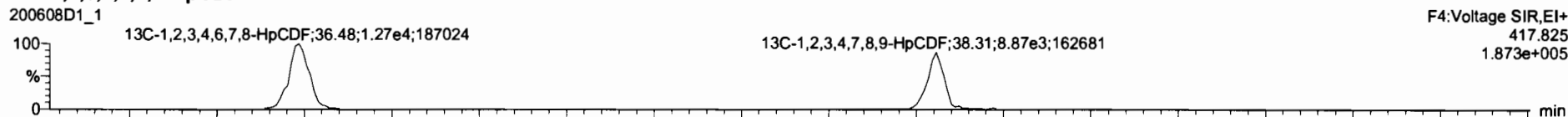
Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

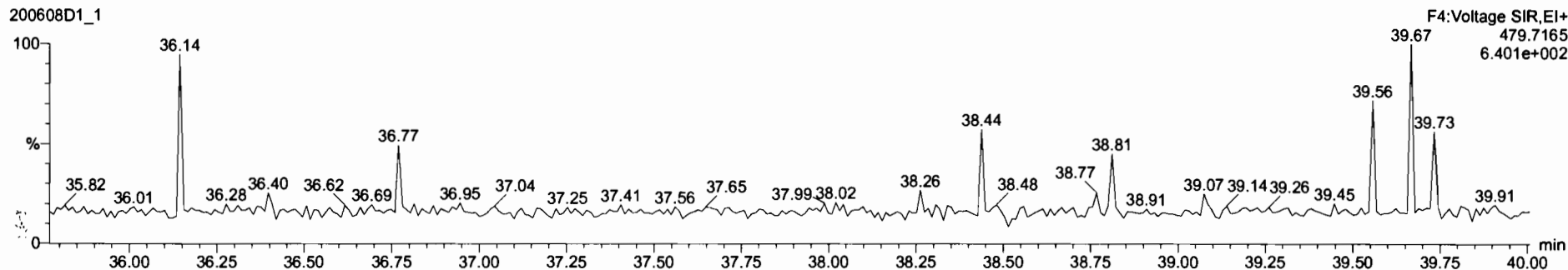
1,2,3,4,6,7,8-HpCDF



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



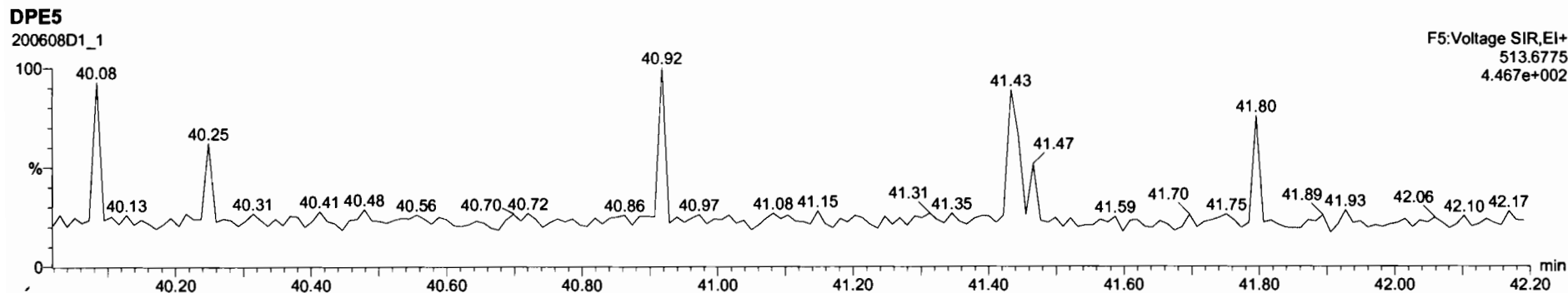
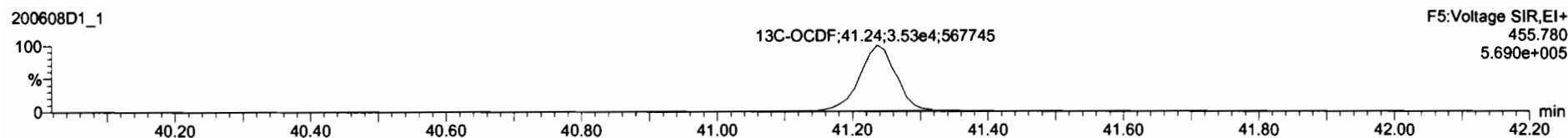
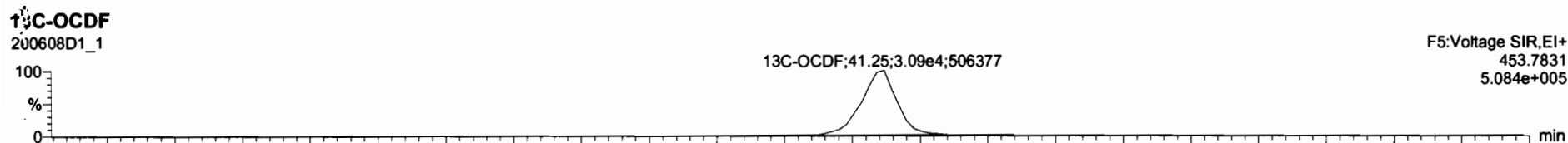
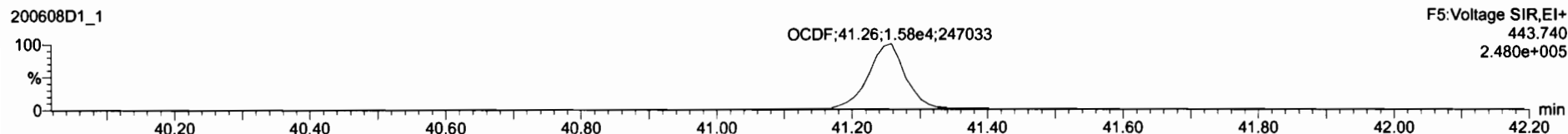
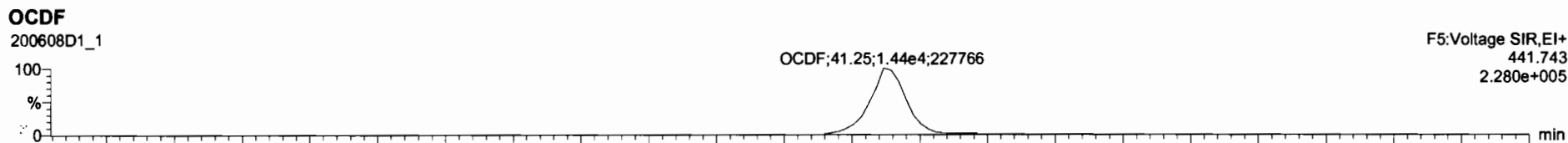
DPE4



Dataset: U:\VG7.PRO\Results\200608D1\200608D1_1.qld

Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

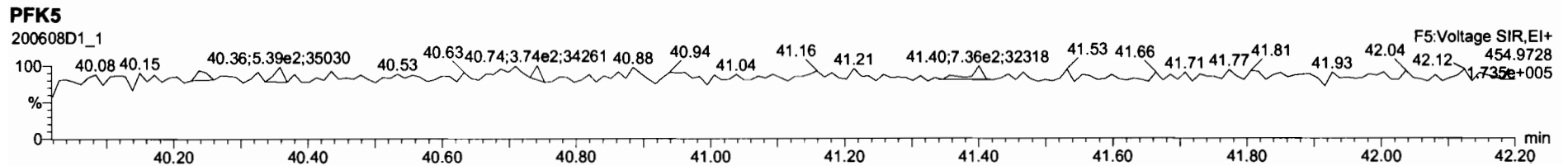
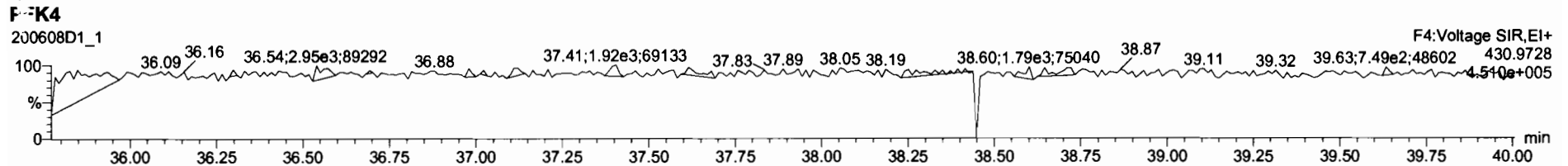
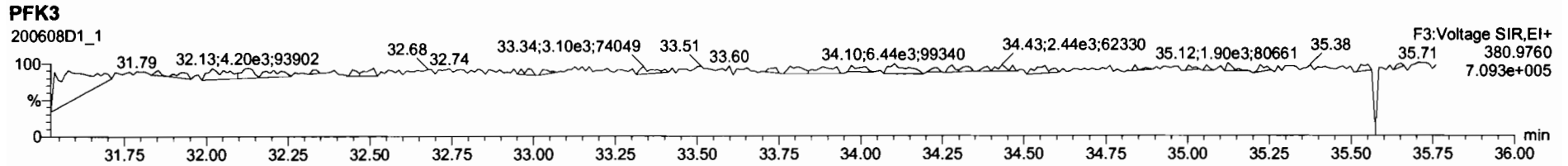
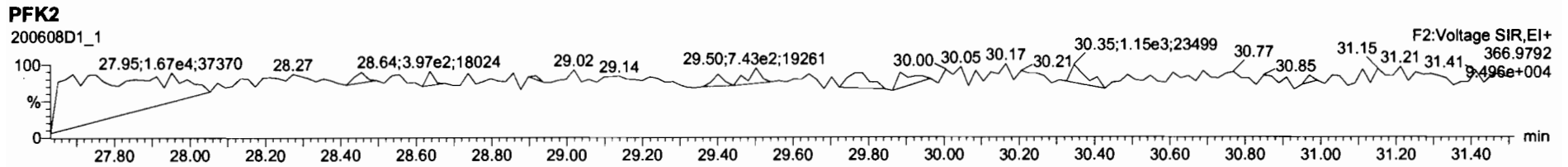
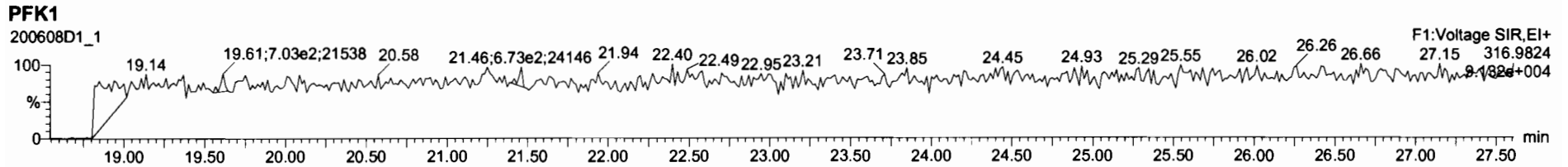
Name: 200608D1_1, Date: 08-Jun-2020, Time: 13:00:13, ID: ST200608D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



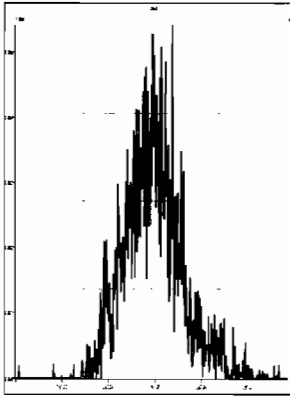
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Last Altered: Monday, June 08, 2020 13:45:29 Pacific Daylight Time
Printed: Monday, June 08, 2020 13:50:21 Pacific Daylight Time

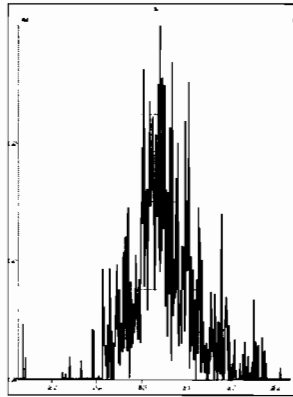
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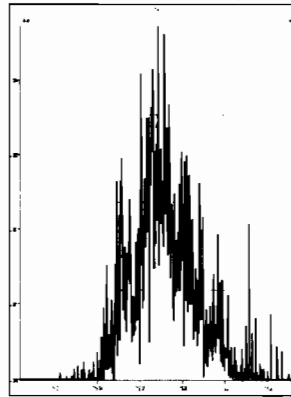
M 292.9824 R 16661



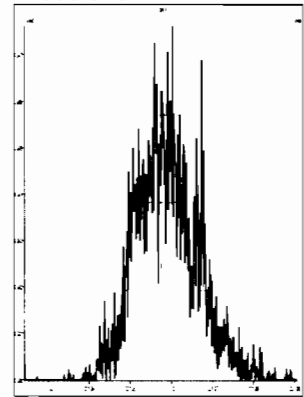
M 304.9824 R 17640



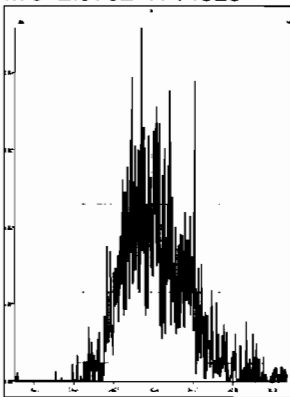
M 318.9792 R 15153



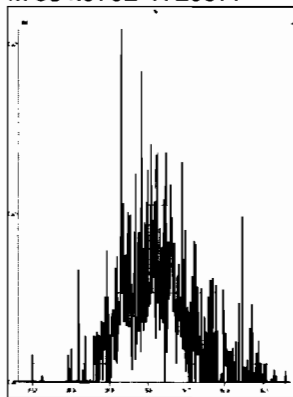
M 330.9792 R 12275



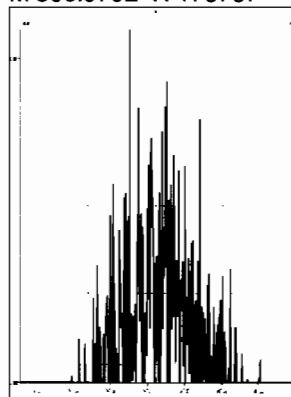
M 342.9792 R 14323



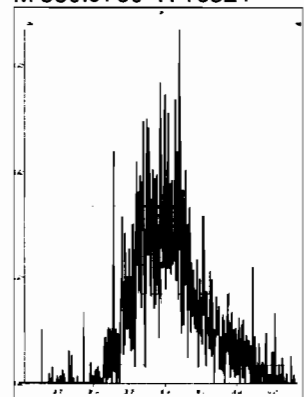
M 354.9792 R 29877



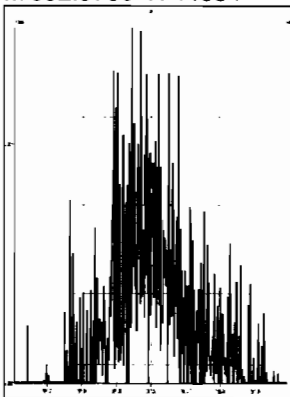
M 366.9792 R 176767



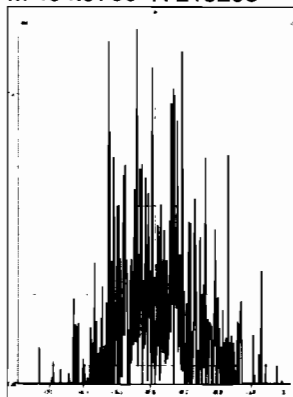
M 380.9760 R 16324



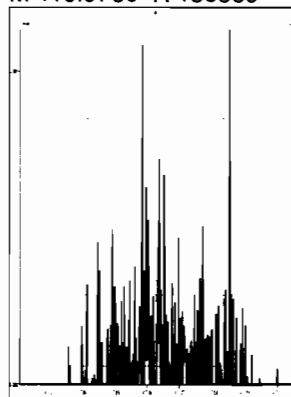
M 392.9760 R 44884



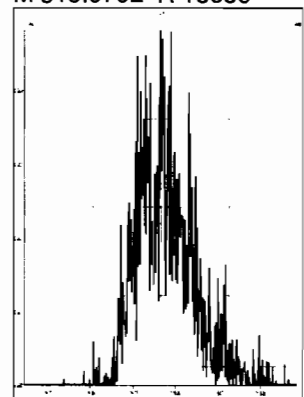
M 404.9760 R 213293



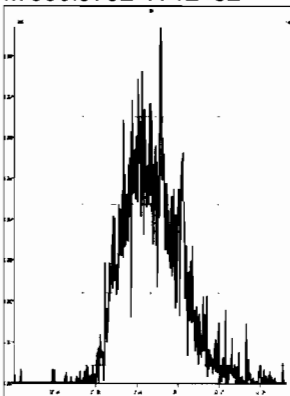
M 416.9760 R 138889



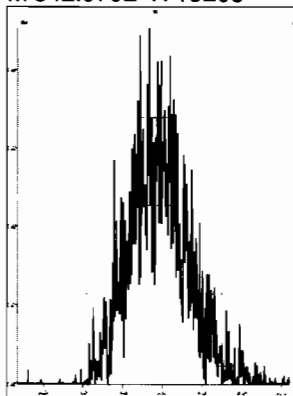
M 318.9792 R 18586



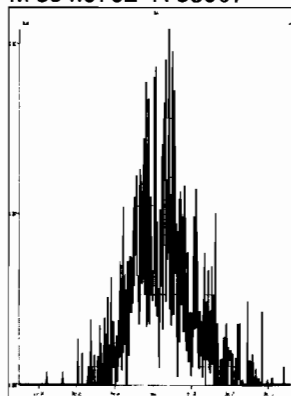
M 330.9792 R 12482



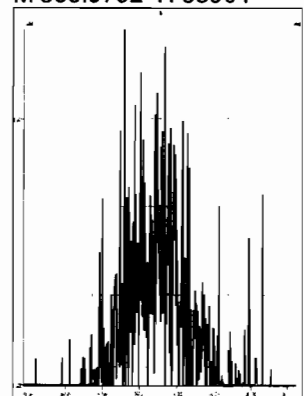
M 342.9792 R 15208



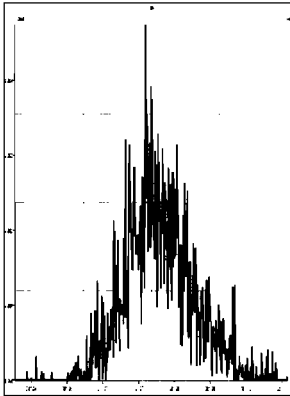
M 354.9792 R 35907



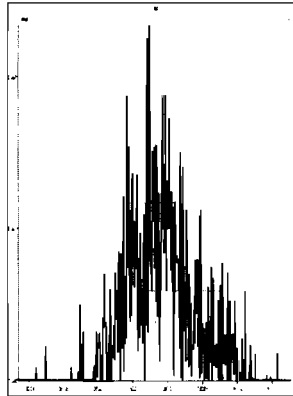
M 366.9792 R 83904



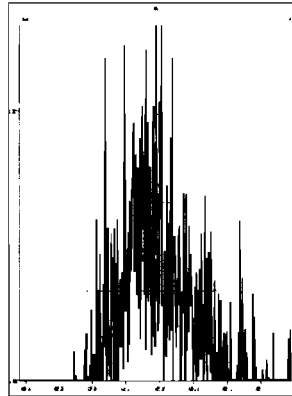
M 380.9760 R 12452



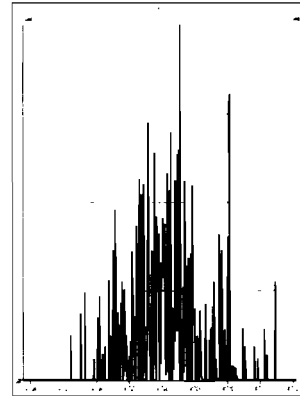
M 392.9760 R 25799



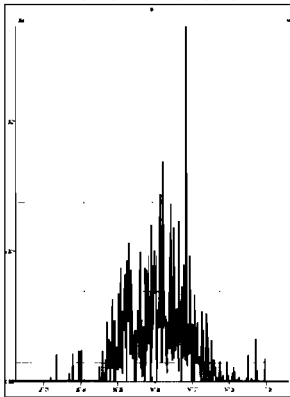
M 404.9760 R 34474



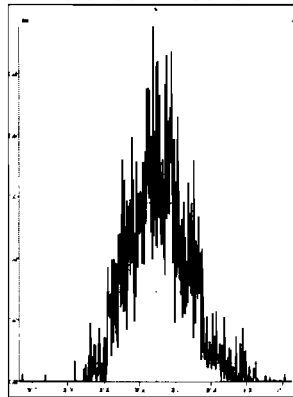
M 416.9760 R 458332



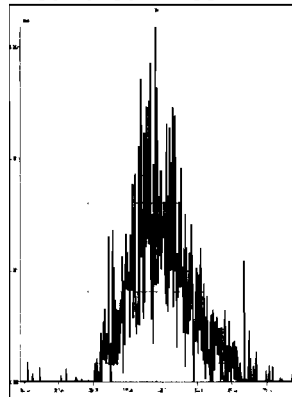
M 366.9792 R 97039



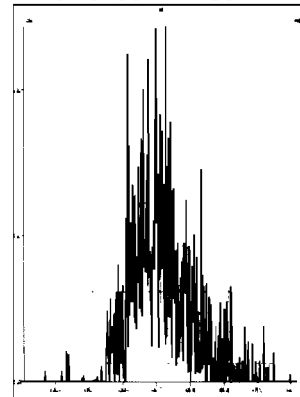
M 380.9760 R 13945



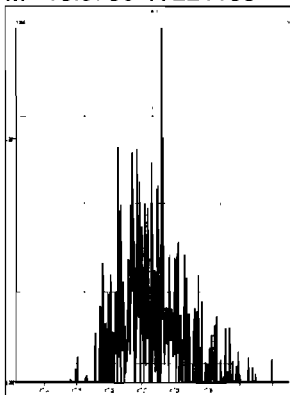
M 392.9760 R 15674



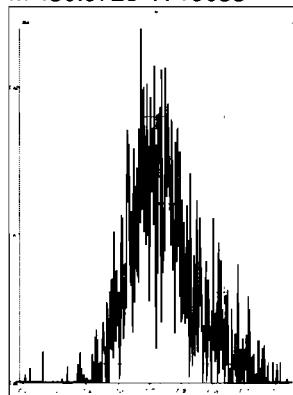
M 404.9760 R 22538



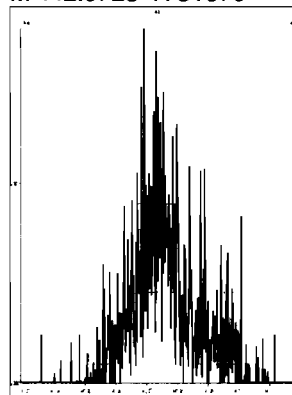
M 416.9760 R 221153



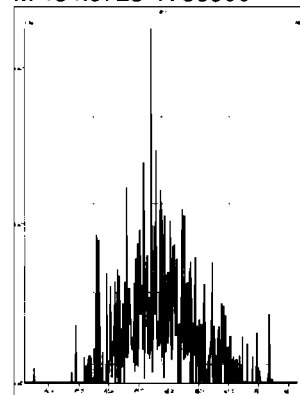
M 430.9728 R 19033



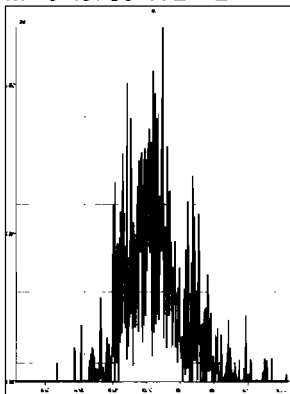
M 442.9728 R 31679



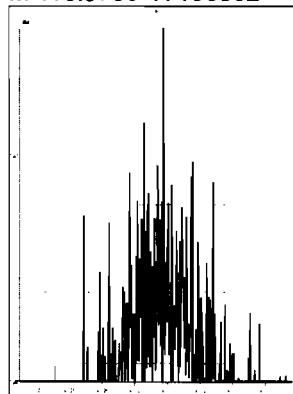
M 454.9728 R 56900



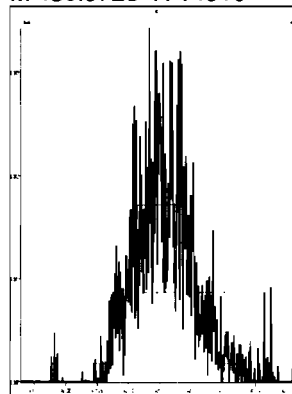
M 404.9760 R 24124



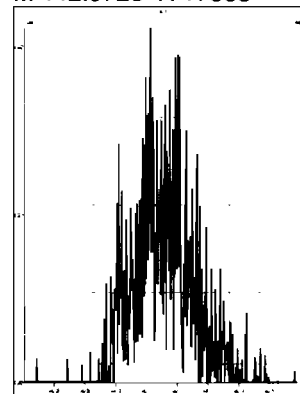
M 416.9760 R 156862



M 430.9728 R 14910

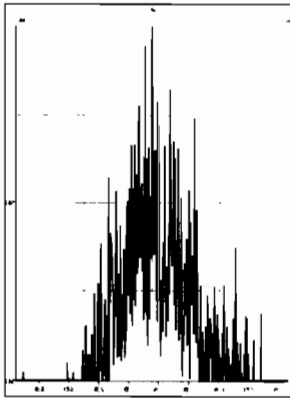


M 442.9728 R 17558

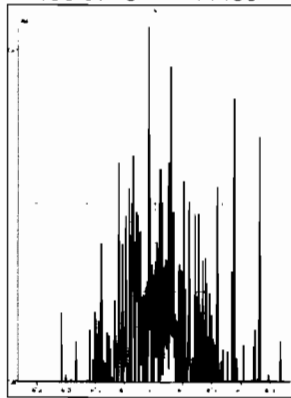


Printed: Monday, June 08, 2020 22:10:00 Pacific Daylight Time

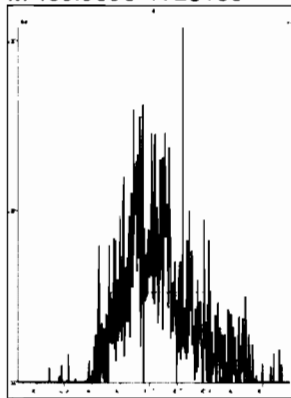
M 454.9728 R 21602



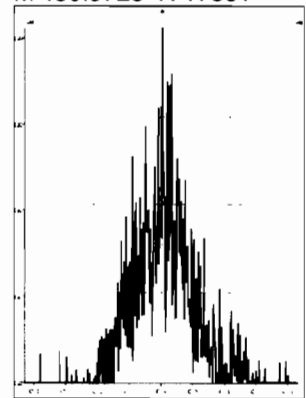
M 466.9728 R 144489



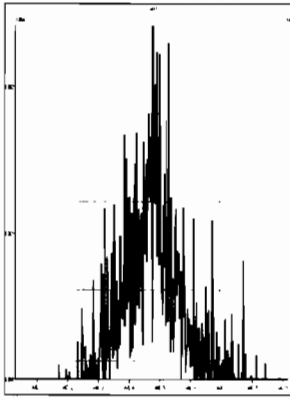
M 480.9696 R 28160



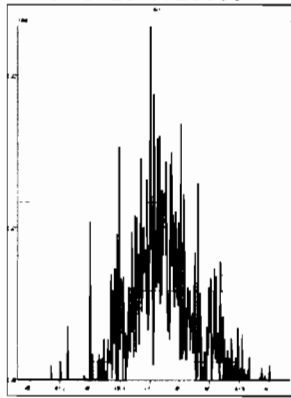
M 430.9728 R 17551



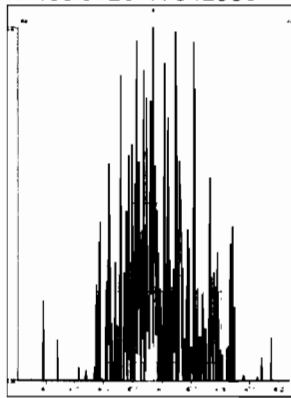
M 442.9728 R 23659



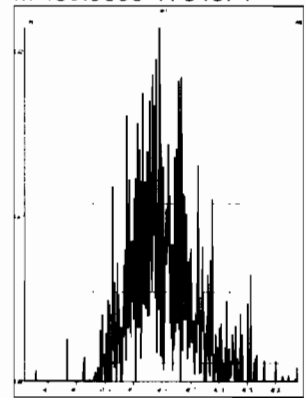
M 454.9728 R 20635



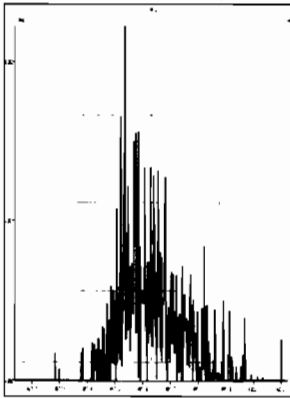
M 466.9728 R 342986



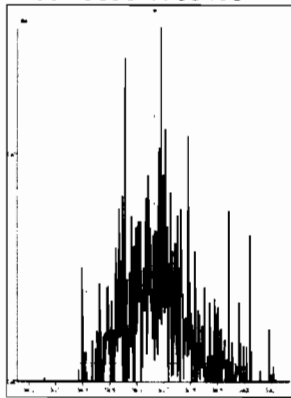
M 480.9696 R 34374



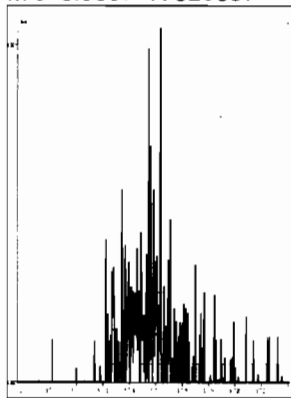
M 492.9696 R 124327



M 504.9696 R 53408



M 516.9697 R 520837



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200615D1-1

Reviewed By: C7 06/16/2020
Initials & Date

End Calibration ID: NA

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

	<u>Beg.</u>	<u>End</u>
Mass resolution ≥	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
GC Break <20%		<input type="checkbox"/> NA
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA

Comments:

Dataset: U:\VG7.PRO\Results\200615D1\200615D1_1.qld

Last Altered: Monday, June 15, 2020 14:19:52 Pacific Daylight Time
Printed: Monday, June 15, 2020 14:20:41 Pacific Daylight Time

DB *6/15/20* *0706/16/2020*

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

Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	6.42e3	0.83	NO	0.986	1.000	26.112	26.10	1.001	1.001	9.9204	99.2 <i>78-129</i>	0.150	9.92
2	2 1,2,3,7,8-PeCDD	2.41e4	0.64	NO	0.964	1.000	30.670	30.65	1.001	1.000	50.897	102 <i>78-130</i>	0.180	50.9
3	3 1,2,3,4,7,8-HxCDD	2.23e4	1.28	NO	1.16	1.000	33.982	33.98	1.000	1.000	44.094	88.2 <i>78-128</i>	0.299	44.1
4	4 1,2,3,6,7,8-HxCDD	2.25e4	1.20	NO	1.01	1.000	34.070	34.09	1.000	1.001	45.191	90.4 <i>78-128</i>	0.306	45.2
5	5 1,2,3,7,8,9-HxCDD	2.25e4	1.27	NO	1.01	1.000	34.412	34.39	1.001	1.000	45.231	90.5 <i>82-122</i>	0.312	45.2
6	6 1,2,3,4,6,7,8-HpCDD	1.82e4	1.02	NO	0.997	1.000	37.889	37.89	1.000	1.000	45.592	91.2 <i>86-116</i>	0.369	45.6
7	7 OCDD	3.32e4	0.87	NO	1.01	1.000	41.181	41.19	1.000	1.000	91.442	91.4 <i>79-126</i>	0.365	91.4
8	8 2,3,7,8-TCDF	8.68e3	0.78	NO	0.833	1.000	25.311	25.30	1.001	1.001	9.9552	99.6 <i>84-120</i>	0.119	9.96
9	9 1,2,3,7,8-PeCDF	4.00e4	1.57	NO	0.965	1.000	29.482	29.46	1.001	1.000	47.546	95.1 <i>82-120</i>	0.131	47.5
10	10 2,3,4,7,8-PeCDF	3.98e4	1.56	NO	1.01	1.000	30.397	30.37	1.001	1.000	45.502	91.0 <i>82-120</i>	0.124	45.5
11	11 1,2,3,4,7,8-HxCDF	3.49e4	1.25	NO	1.09	1.000	33.083	33.09	1.000	1.000	48.193	96.4 <i>90-112</i>	0.249	48.2
12	12 1,2,3,6,7,8-HxCDF	3.64e4	1.23	NO	1.07	1.000	33.214	33.21	1.000	1.000	49.318	98.6 <i>88-114</i>	0.256	49.3
13	13 2,3,4,6,7,8-HxCDF	3.40e4	1.26	NO	1.15	1.000	33.830	33.82	1.001	1.001	47.208	94.4 <i>88-114</i>	0.276	47.2
14	14 1,2,3,7,8,9-HxCDF	2.76e4	1.24	NO	1.11	1.000	34.751	34.76	1.000	1.000	47.492	95.0 <i>90-112</i>	0.386	47.5
15	15 1,2,3,4,6,7,8-HpCDF	2.71e4	1.01	NO	1.16	1.000	36.631	36.61	1.001	1.000	45.058	90.1 <i>90-110</i>	0.333	45.1
16	16 1,2,3,4,7,8,9-HpCDF	2.21e4	1.00	NO	1.35	1.000	38.426	38.44	1.000	1.000	48.207	96.4 <i>86-116</i>	0.362	48.2
17	17 OCDF	3.87e4	0.88	NO	0.949	1.000	41.400	41.41	1.000	1.000	98.550	98.6 <i>63-159</i>	0.279	98.6
18	18 13C-2,3,7,8-TCDD	6.56e4	0.81	NO	1.26	1.000	26.179	26.08	1.026	1.022	95.006	95.0 <i>82-121</i>	0.282	
19	19 13C-1,2,3,7,8-PeCDD	4.92e4	0.62	NO	0.921	1.000	30.669	30.65	1.202	1.201	97.439	97.4 <i>62-160</i>	0.188	
20	20 13C-1,2,3,4,7,8-HxCDD	4.36e4	1.36	NO	0.707	1.000	33.947	33.97	1.014	1.015	105.66	106 <i>85-117</i>	0.509	
21	21 13C-1,2,3,6,7,8-HxCDD	4.94e4	1.27	NO	0.829	1.000	34.057	34.07	1.017	1.018	102.34	102 <i>85-118</i>	0.434	
22	22 13C-1,2,3,7,8,9-HxCDD	4.93e4	1.28	NO	0.808	1.000	34.328	34.38	1.025	1.027	104.78	105 <i>85-118</i>	0.445	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.01e4	1.08	NO	0.662	1.000	37.796	37.88	1.129	1.131	104.06	104 <i>72-135</i>	0.748	
24	24 13C-OCDD	7.16e4	0.91	NO	0.608	1.000	40.823	41.18	1.219	1.230	201.86	101 <i>48-207</i>	0.541	
25	25 13C-2,3,7,8-TCDF	1.05e5	0.76	NO	1.07	1.000	25.260	25.29	0.990	0.991	102.69	103 <i>71-140</i>	0.368	
26	26 13C-1,2,3,7,8-PeCDF	8.71e4	1.66	NO	0.826	1.000	29.488	29.46	1.156	1.155	110.50	110 <i>76-130</i>	0.655	
27	27 13C-2,3,4,7,8-PeCDF	8.66e4	1.66	NO	0.796	1.000	30.389	30.37	1.191	1.190	114.00	114 <i>77-130</i>	0.680	
28	28 13C-1,2,3,4,7,8-HxCDF	6.61e4	0.49	NO	1.08	1.000	33.076	33.08	0.988	0.988	105.48	105 <i>76-131</i>	0.509	
29	29 13C-1,2,3,6,7,8-HxCDF	6.93e4	0.52	NO	1.12	1.000	33.210	33.20	0.992	0.992	105.70	106 <i>70-143</i>	0.487	
30	30 13C-2,3,4,6,7,8-HxCDF	6.25e4	0.48	NO	1.02	1.000	33.782	33.80	1.009	1.010	104.57	105 <i>73-137</i>	0.534	
31	31 13C-1,2,3,7,8,9-HxCDF	5.22e4	0.52	NO	0.887	1.000	34.683	34.75	1.036	1.038	100.99	101 <i>74-135</i>	0.617	

Dataset: U:\VG7.PRO\Results\200615D1\200615D1_1.qld

Last Altered: Monday, June 15, 2020 14:19:52 Pacific Daylight Time

Printed: Monday, June 15, 2020 14:20:41 Pacific Daylight Time

Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	5.20e4	0.44	NO	0.811	1.000	36.390	36.59	1.087	1.093	110.03	110 75-129	0.744	
33	13C-1,2,3,4,7,8,9-HpCDF	3.40e4	0.42	NO	0.598	1.000	38.399	38.43	1.147	1.148	97.545	97.5 77-129	1.01	
34	13C-OCDF	8.27e4	0.89	NO	0.752	1.000	40.977	41.40	1.224	1.237	188.69	94.3 48-207	0.385	
35	37Cl-2,3,7,8-TCDD	5.94e3			1.24	1.000	26.176	26.10	1.026	1.023	8.7154	87.2 79-127	0.0826	
36	13C-1,2,3,4-TCDD	5.48e4	0.80	NO	1.00	1.000	25.480	25.52	1.000	1.000	100.00	100	0.355	
37	13C-1,2,3,4-TCDF	9.54e4	0.79	NO	1.00	1.000	24.020	24.05	1.000	1.000	100.00	100	0.393	
38	13C-1,2,3,4,6,9-HxCDF	5.83e4	0.50	NO	1.00	1.000	33.530	33.48	1.000	1.000	100.00	100	0.548	

Dataset: Untitled

Last Altered: Tuesday, June 16, 2020 09:35:46 Pacific Daylight Time

Printed: Tuesday, June 16, 2020 09:36:16 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34

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

Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1,3,6,8-TCDD (First)	22.63
2	1,2,8,9-TCDD (Last)	26.97
3	1,2,4,7,9-PeCDD (First)	28.60
4	1,2,3,8,9-PeCDD (Last)	31.03
5	1,2,4,6,7,9-HxCDD (First)	32.45
6	1,2,3,7,8,9-HxCDD (Last)	34.39
7	1,2,3,4,6,7,9-HpCDD (First)	37.01
8	1,2,3,4,6,7,8-HpCDD (Last)	37.89
9	1,3,6,8-TCDF (First)	20.49
10	1,2,8,9-TCDF (Last)	27.11
11	1,3,4,6,8-PeCDF (First)	27.07
12	1,2,3,8,9-PeCDF (Last)	31.25
13	1,2,3,4,6,8-HxCDF (First)	31.91
14	1,2,3,7,8,9-HxCDF (Last)	34.76
15	1,2,3,4,6,7,8-HpCDF (First)	36.61
16	1,2,3,4,7,8,9-HpCDF (Last)	38.44

Dataset: Untitled

Last Altered: Tuesday, June 16, 2020 09:36:41 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 09:36:57 Pacific Daylight Time

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

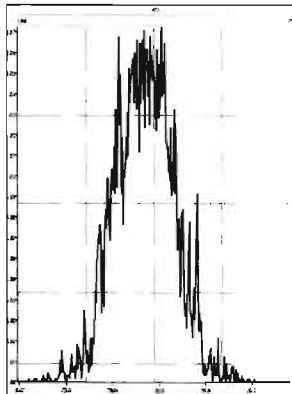
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200615D1_1	ST200615D1-1 1613 CS3 19L2305	15-Jun-20	13:29:31
2	200615D1_2	B0F0003-BS1 OPR 10	15-Jun-20	14:14:39
3	200615D1_3	SOLVENT BLANK	15-Jun-20	14:59:46
4	200615D1_4	B0F0003-BLK1 Method Blank 10	15-Jun-20	15:44:57
5	200615D1_5	2001083-14RE1 Fieldblank-20200513 10.14	15-Jun-20	16:30:05
6	200615D1_6	2001083-12RE1 SLF SB-04-20200513 11.15	15-Jun-20	17:15:12
7	200615D1_7	2000996-12 PDI-060SC-A-08-09-200428 16.8	15-Jun-20	18:00:19
8	200615D1_8	2000996-04@10X PDI-054SC-B-00-02-20042...	15-Jun-20	18:45:26

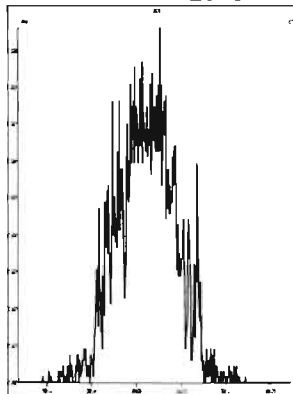
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, June 15, 2020 13:23:11 Pacific Daylight Time

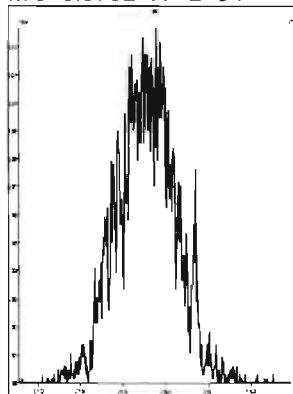
M 292.9824 R 11958



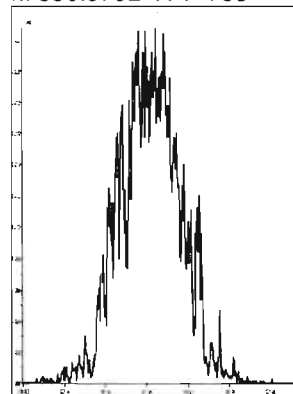
M 304.9824 R 12316



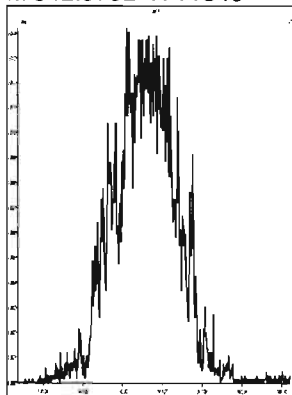
M 318.9792 R 12194



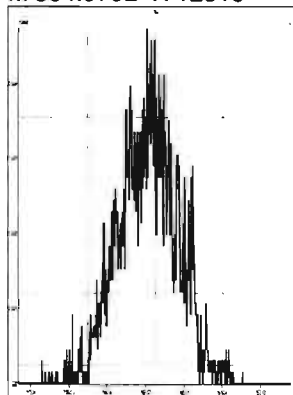
M 330.9792 R 11735



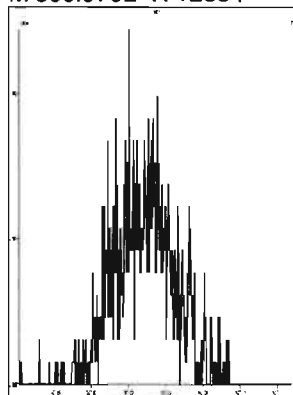
M 342.9792 R 11849



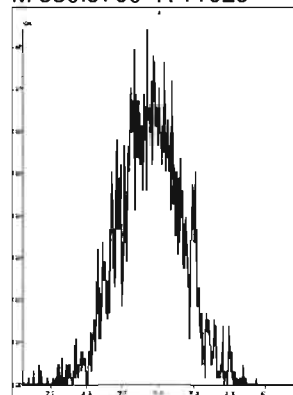
M 354.9792 R 12315



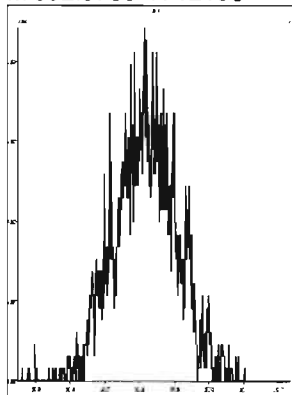
M 366.9792 R 12884



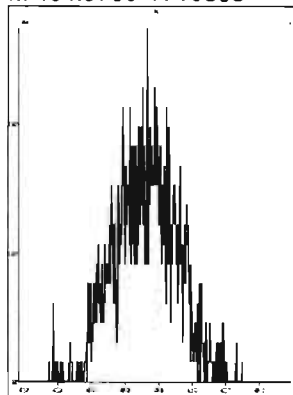
M 380.9760 R 11625



M 392.9760 R 12136



M 404.9760 R 10868



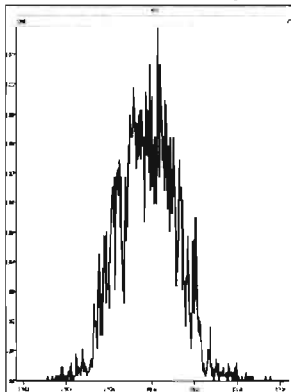
M 416.9760 R 16669



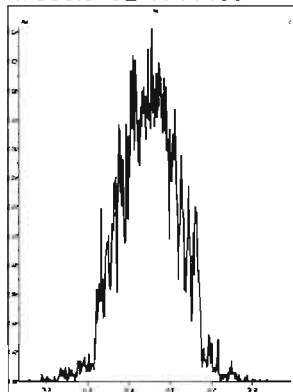
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, June 15, 2020 13:23:41 Pacific Daylight Time

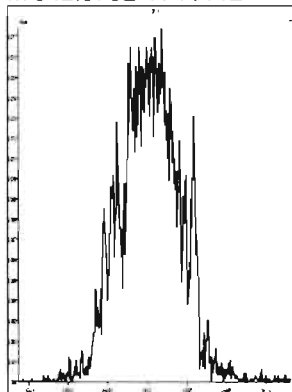
M 318.9792 R 11848



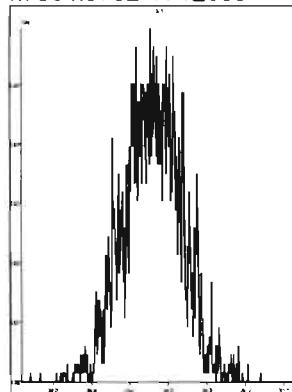
M 330.9792 R 11466



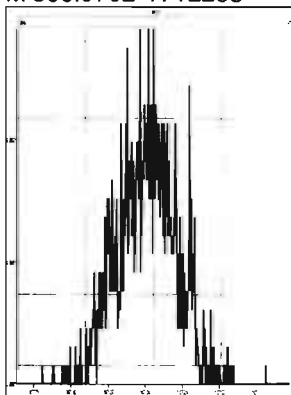
M 342.9792 R 11112



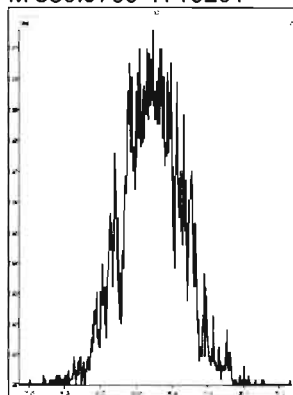
M 354.9792 R 12500



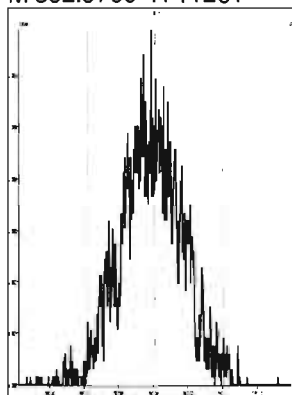
M 366.9792 R 12253



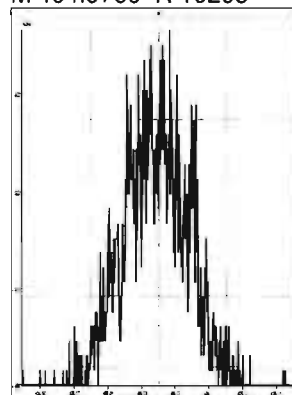
M 380.9760 R 10201



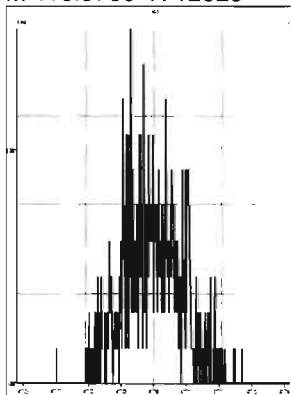
M 392.9760 R 11261



M 404.9760 R 10203



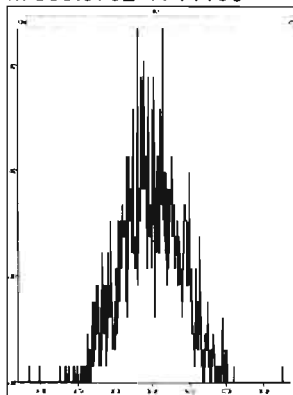
M 416.9760 R 12623



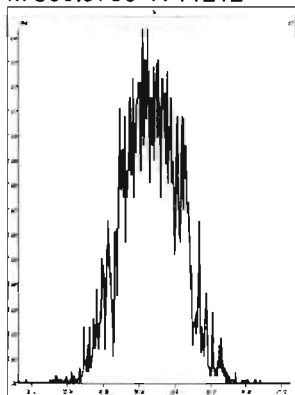
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

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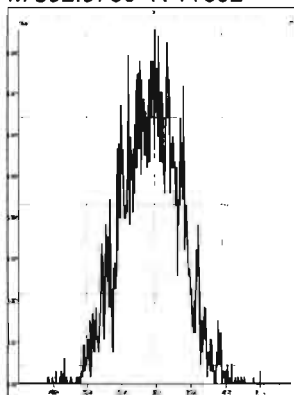
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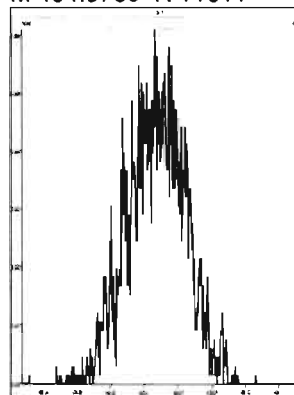
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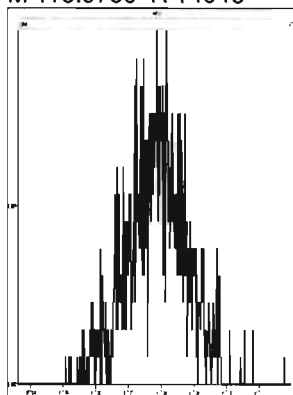
M 392.9760 R 11682



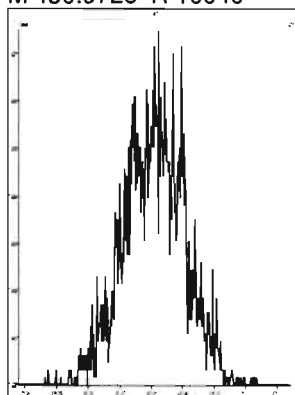
M 404.9760 R 11011



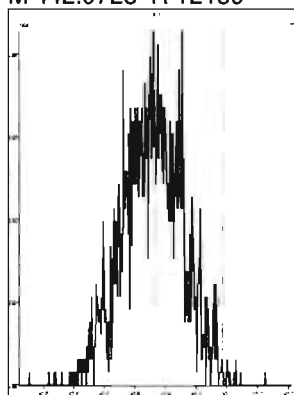
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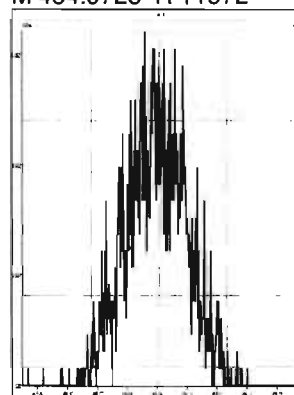
M 430.9728 R 10040



M 442.9728 R 12139



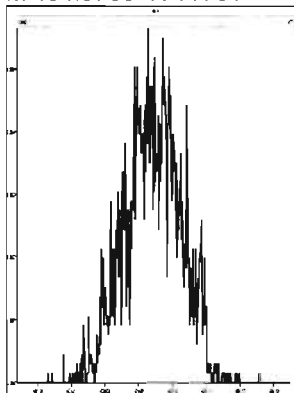
M 454.9728 R 11572



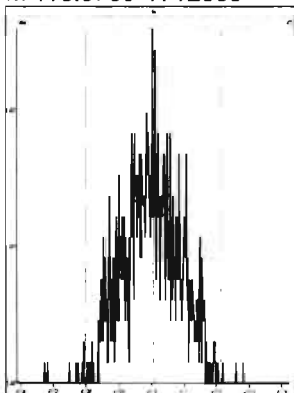
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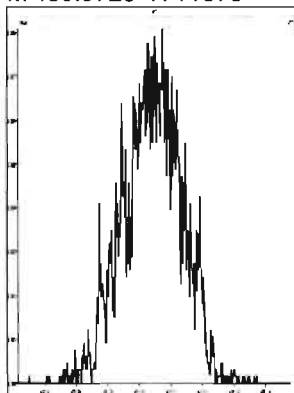
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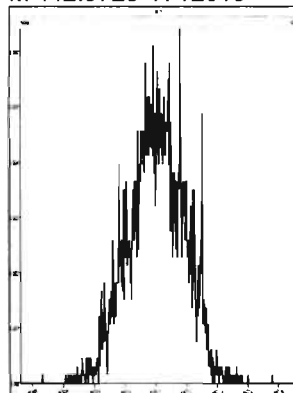
M 416.9760 R 12565



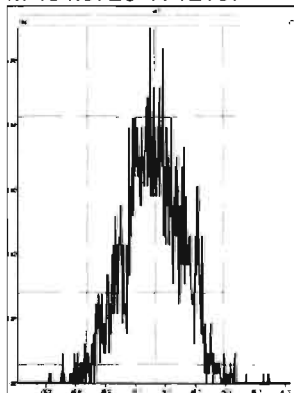
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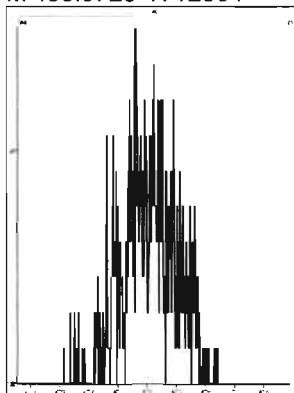
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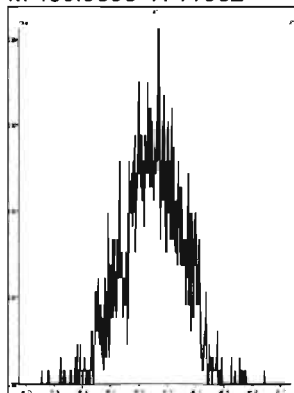
M 454.9728 R 12197



M 466.9728 R 12564



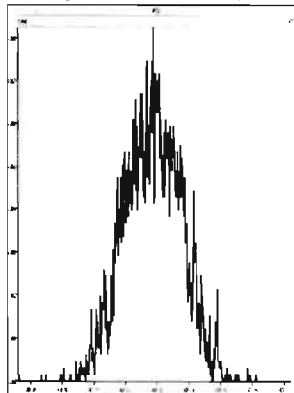
M 480.9696 R 11962



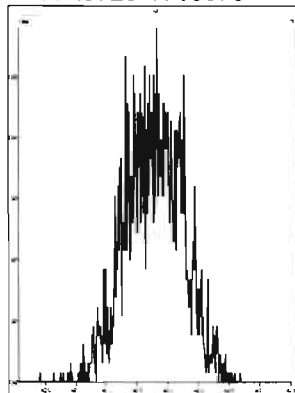
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Printed: Monday, June 15, 2020 13:26:25 Pacific Daylight Time

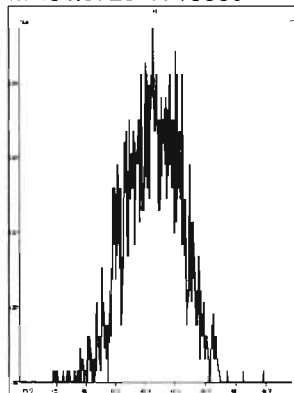
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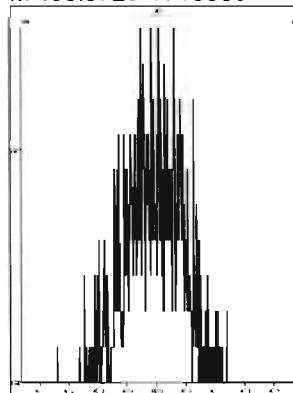
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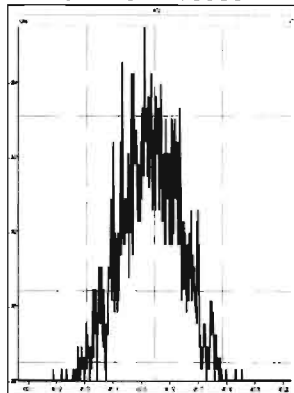
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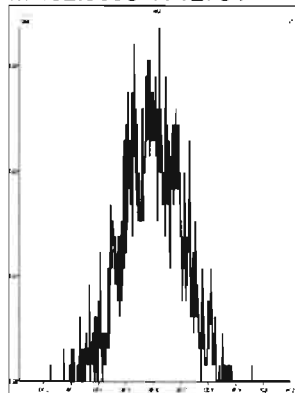
M 466.9728 R 15530



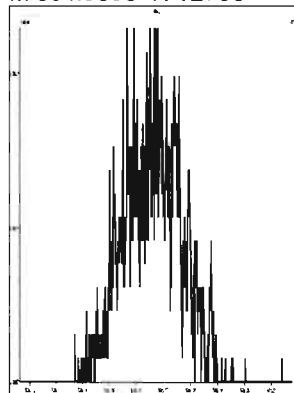
M 480.9696 R 13583



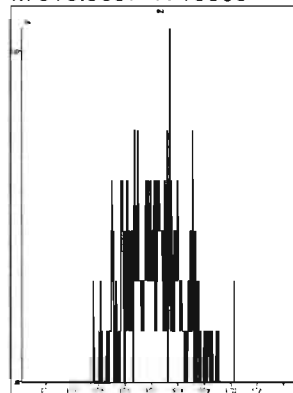
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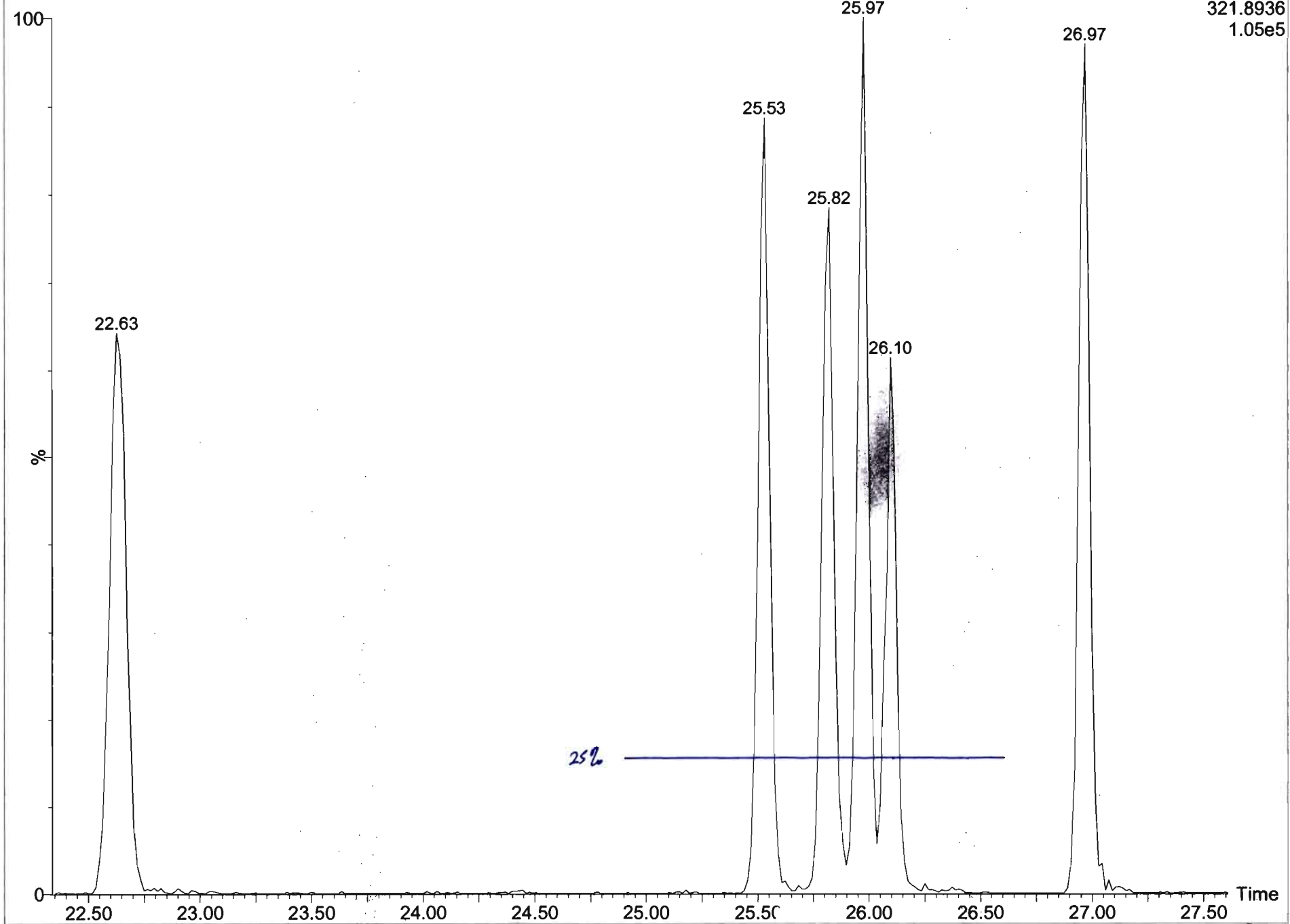


M 504.9696 R 12753



M 516.9697 R 13809





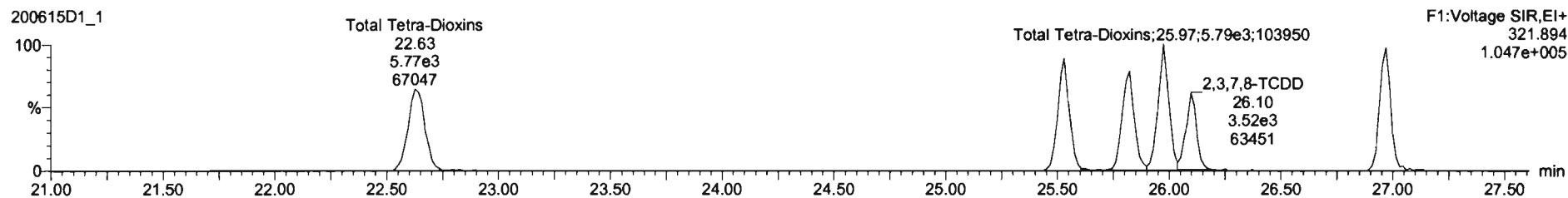
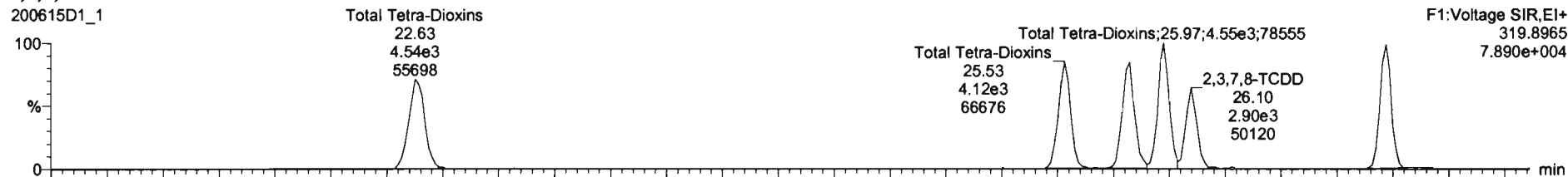
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Last Altered: Monday, June 15, 2020 14:15:04 Pacific Daylight Time
Printed: Monday, June 15, 2020 14:18:12 Pacific Daylight Time

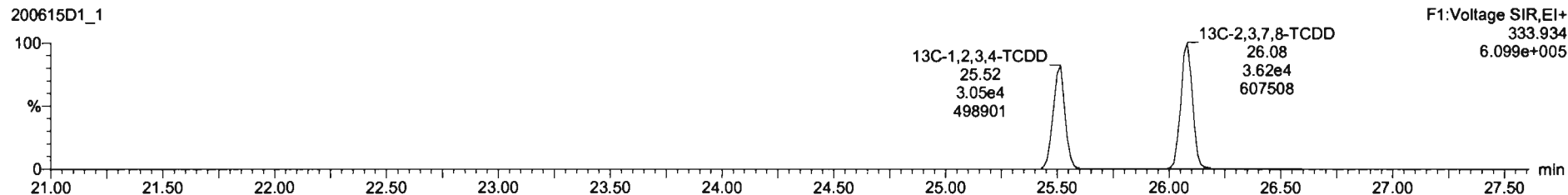
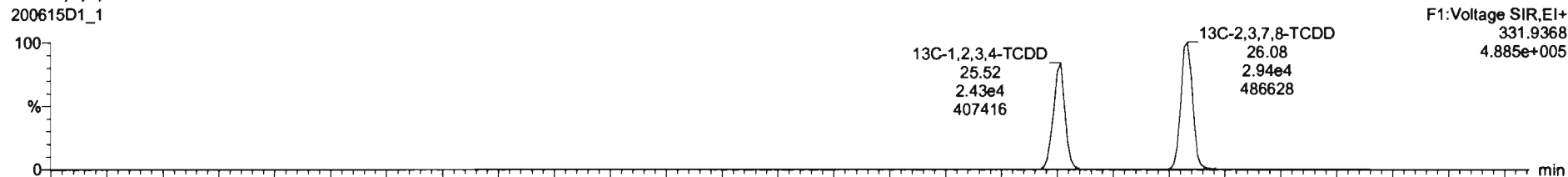
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Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



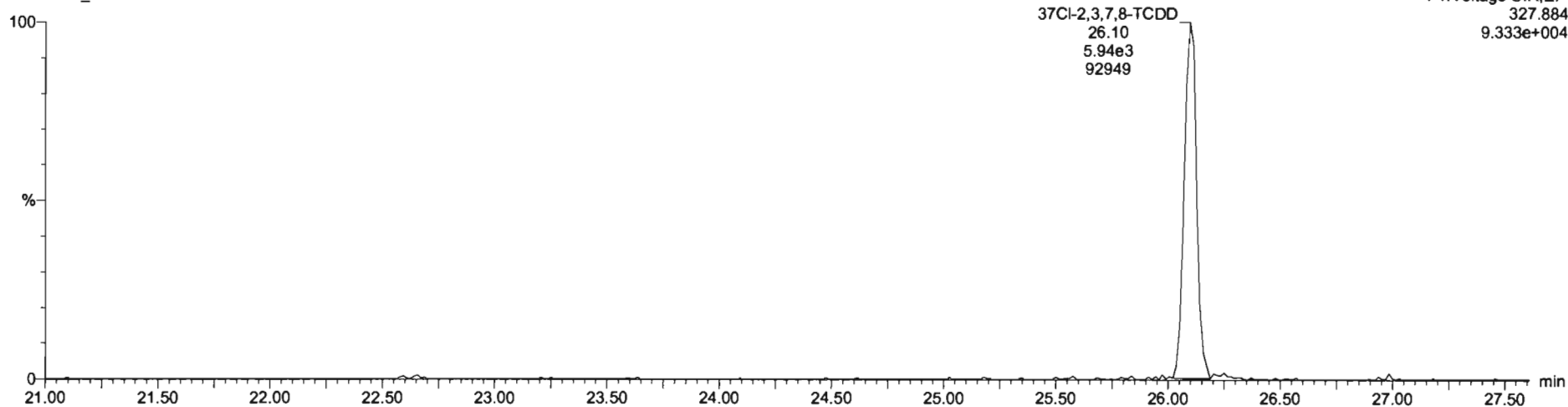
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Last Altered: Monday, June 15, 2020 14:15:04 Pacific Daylight Time
Printed: Monday, June 15, 2020 14:18:12 Pacific Daylight Time

Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

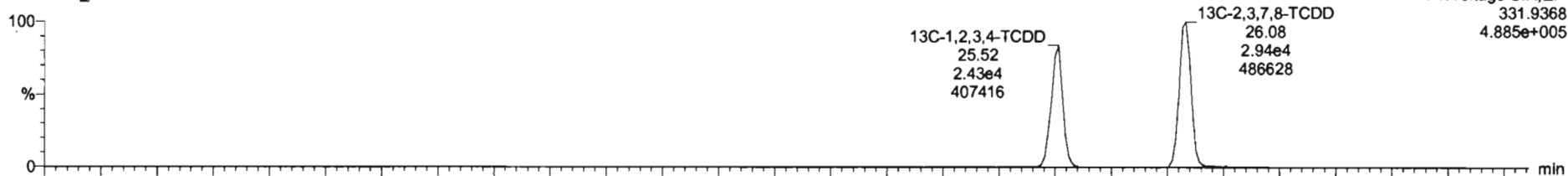
37Cl-2,3,7,8-TCDD

200615D1_1

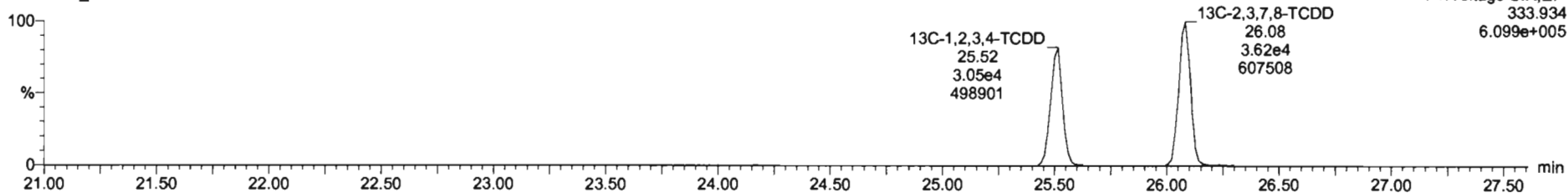


13C-1,2,3,4-TCDD

200615D1_1



200615D1_1



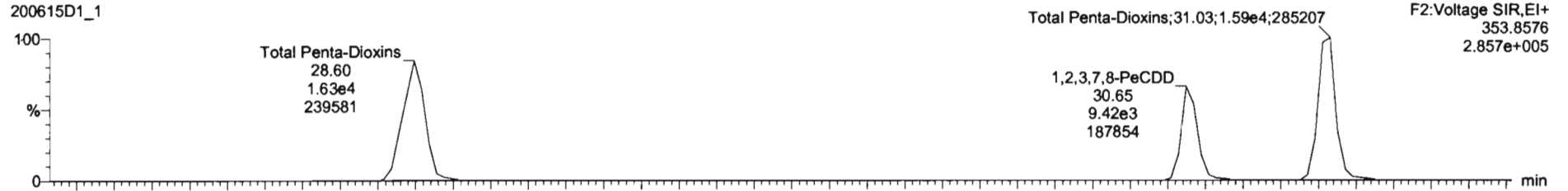
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Printed: Monday, June 15, 2020 14:18:12 Pacific Daylight Time

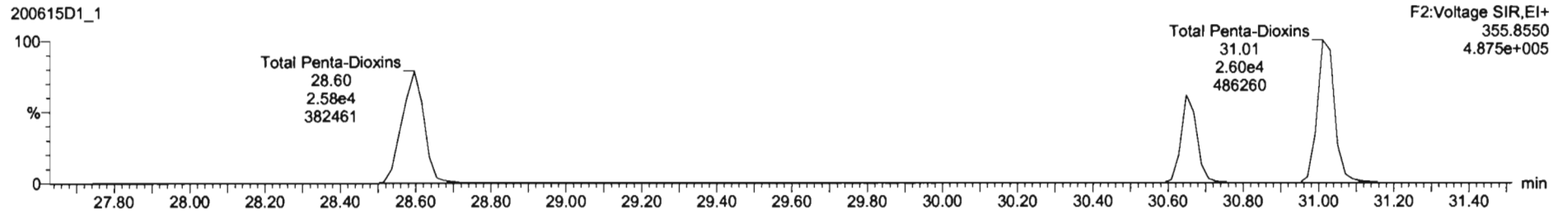
Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD

200615D1_1

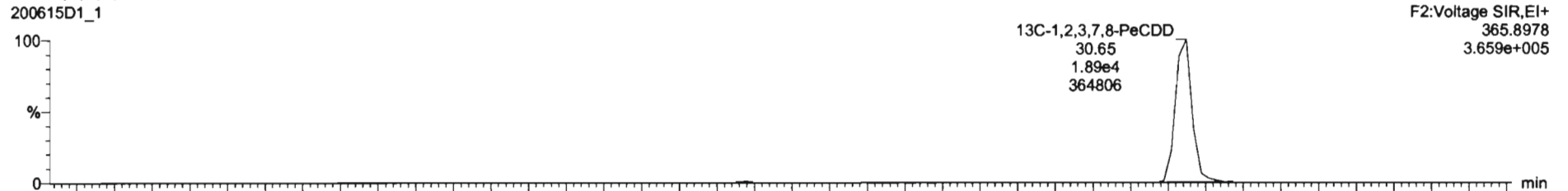


200615D1_1

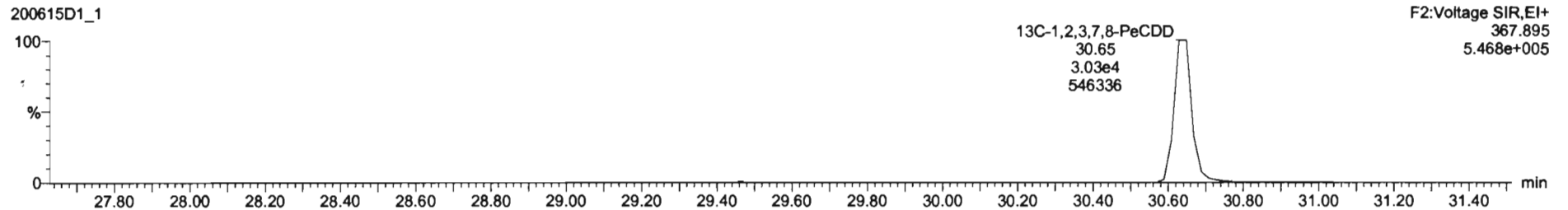


13C-1,2,3,7,8-PeCDD

200615D1_1



200615D1_1

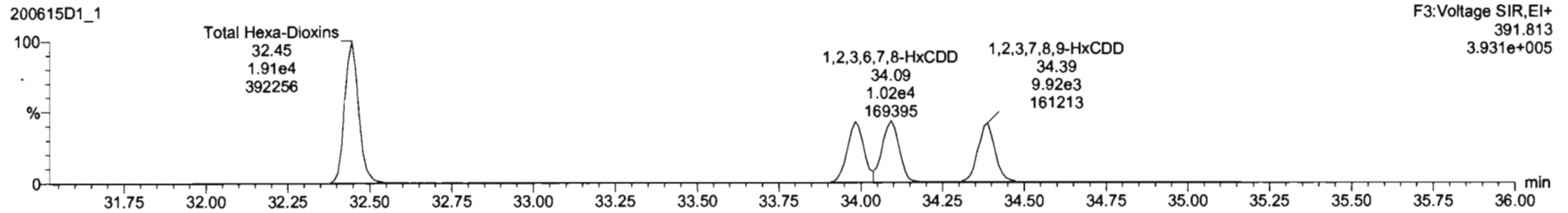
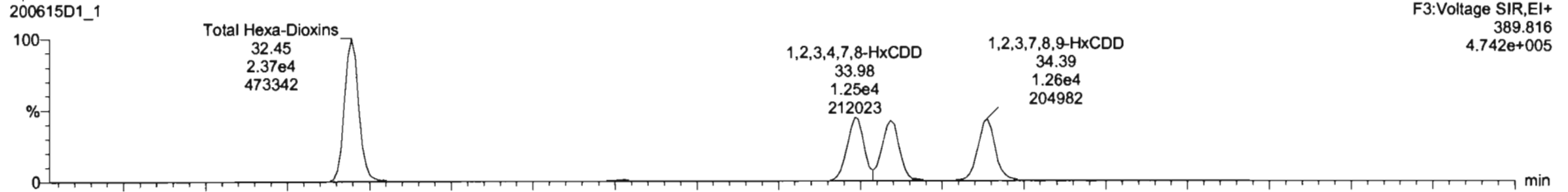


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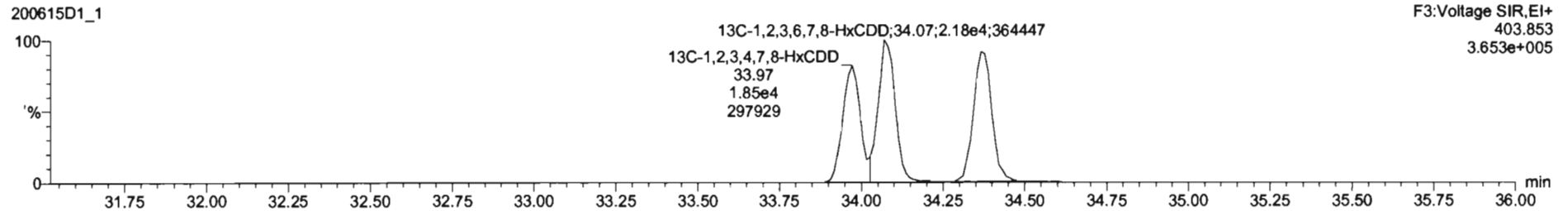
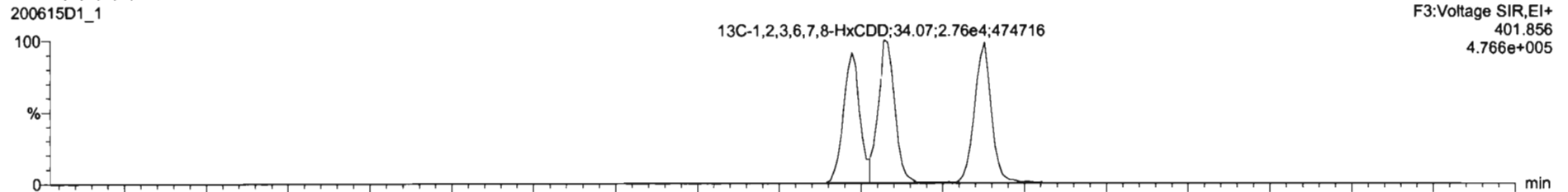
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Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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



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



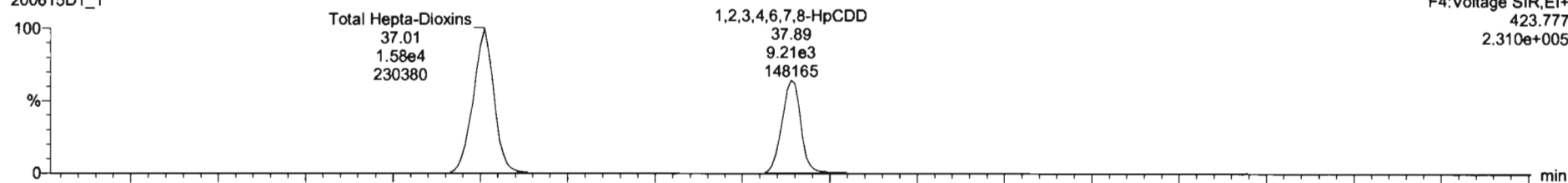
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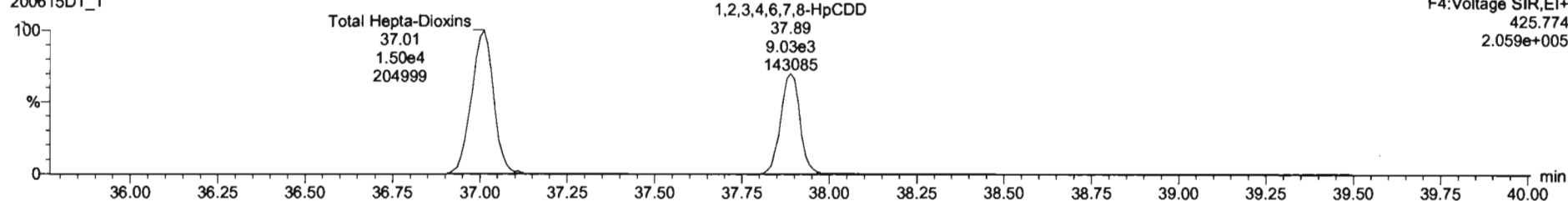
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1,2,3,4,6,7,8-HpCDD

200615D1_1

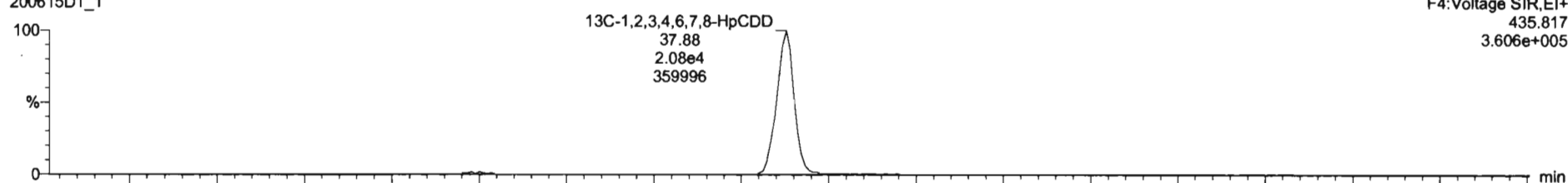


200615D1_1

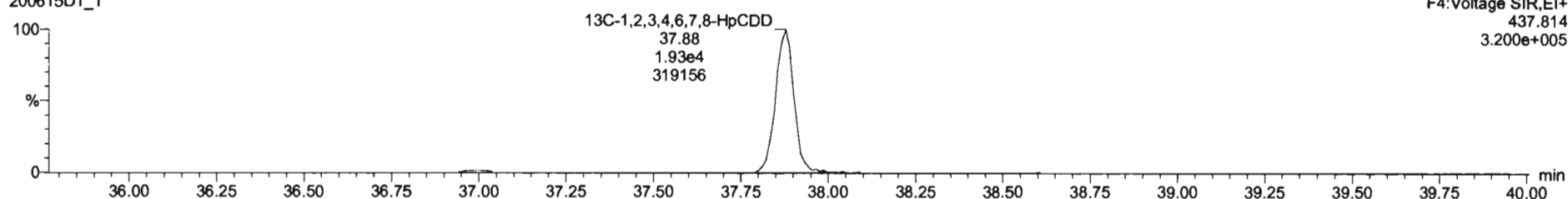


¹³C-1,2,3,4,6,7,8-HpCDD

200615D1_1



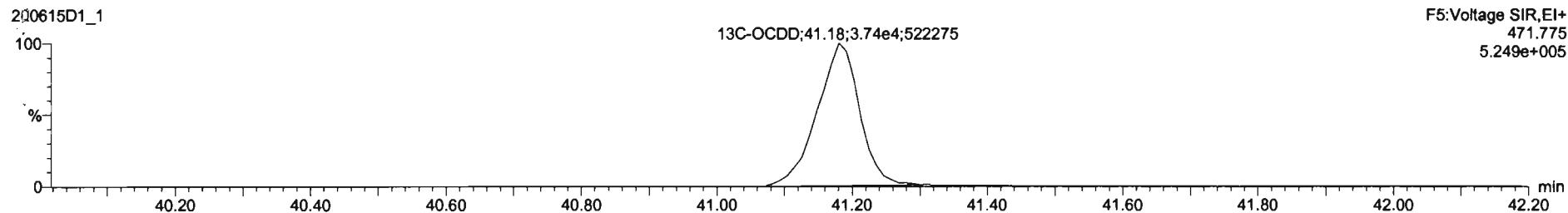
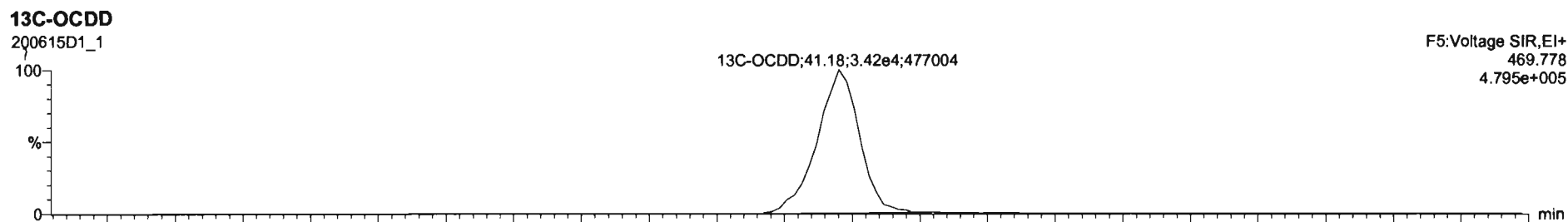
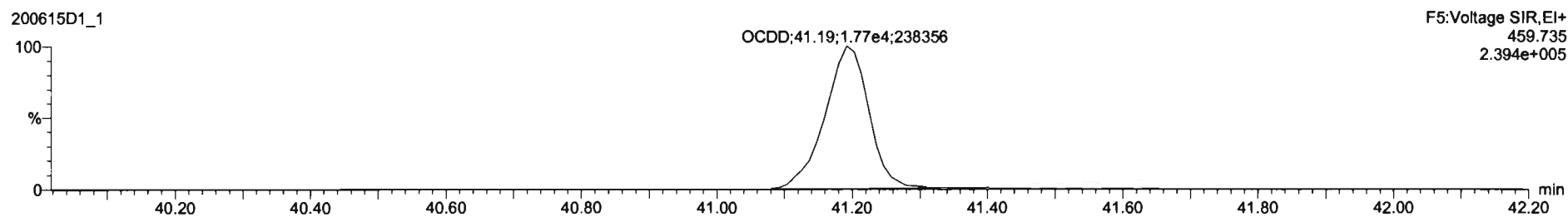
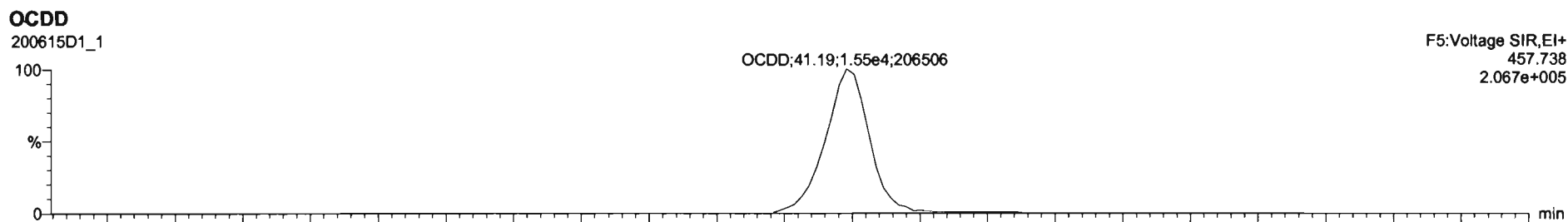
200615D1_1



Dataset: U:\VG7.PRO\Results\200615D1\200615D1_1.qld

Last Altered: Monday, June 15, 2020 14:15:04 Pacific Daylight Time
Printed: Monday, June 15, 2020 14:18:12 Pacific Daylight Time

Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



Dataset: U:\VG7.PRO\Results\200615D1\200615D1_1.qld

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Printed: Monday, June 15, 2020 14:18:12 Pacific Daylight Time

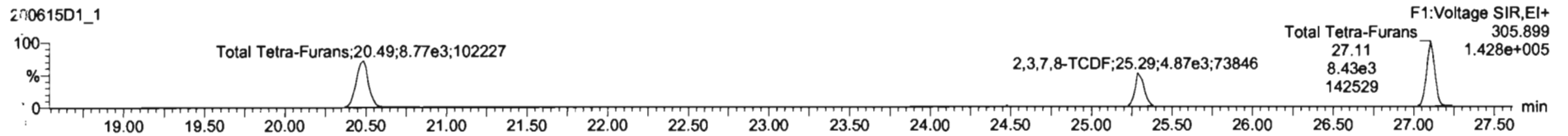
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2,3,7,8-TCDF

200615D1_1

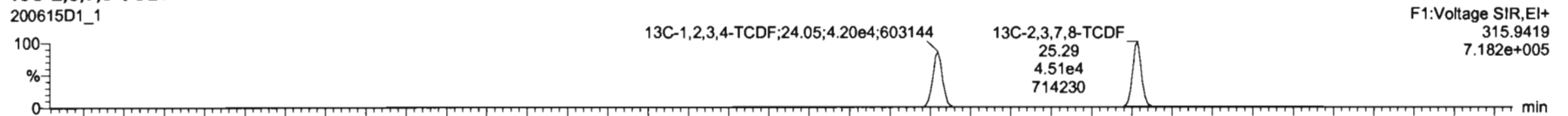


200615D1_1

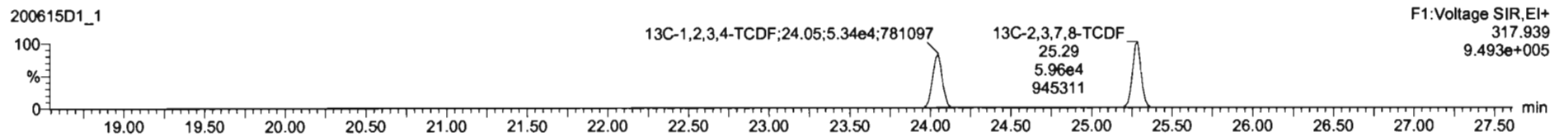


13C-2,3,7,8-TCDF

200615D1_1

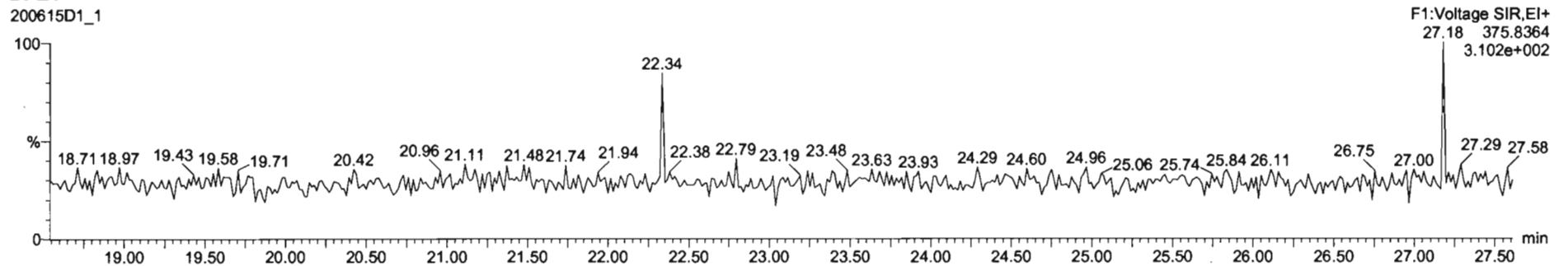


200615D1_1



DPE1

200615D1_1



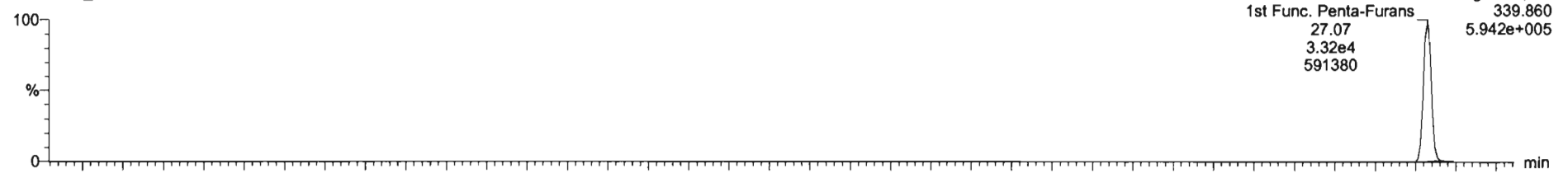
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Last Altered: Monday, June 15, 2020 14:15:04 Pacific Daylight Time
Printed: Monday, June 15, 2020 14:18:12 Pacific Daylight Time

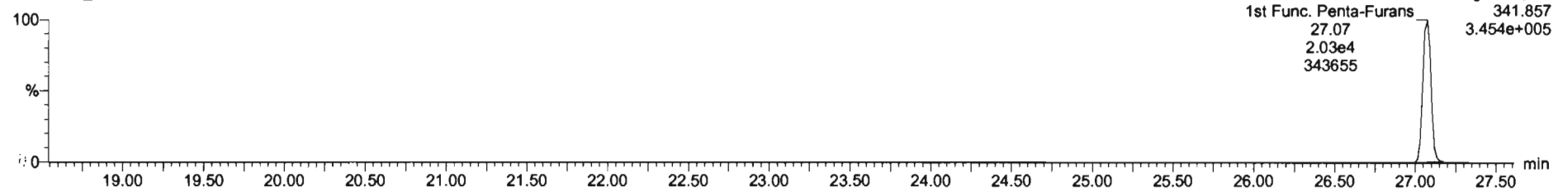
Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1st Func. Penta-Furans

200615D1_1

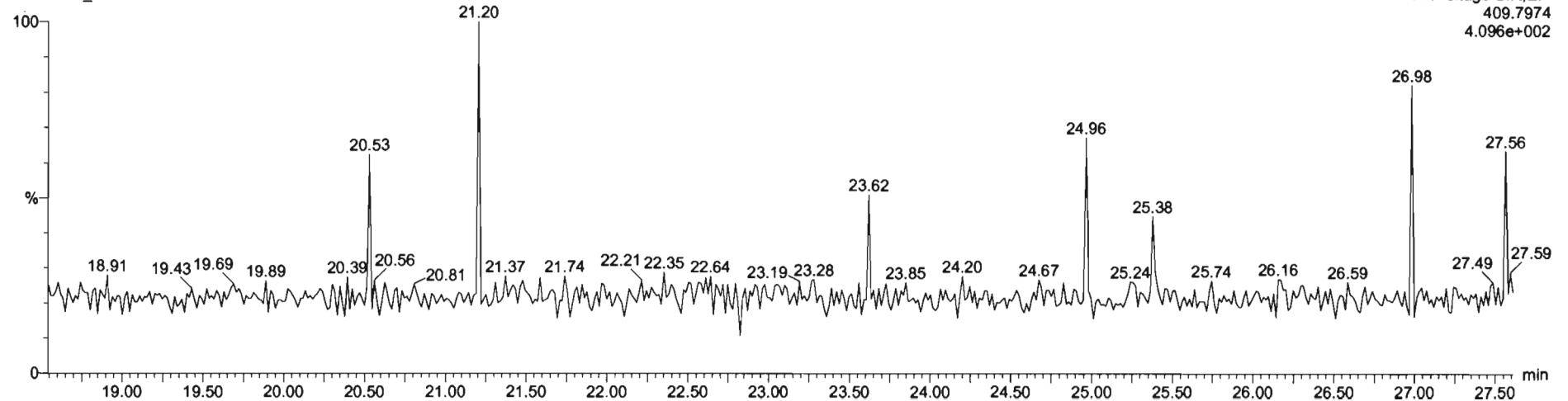


200615D1_1



DPE6

200615D1_1



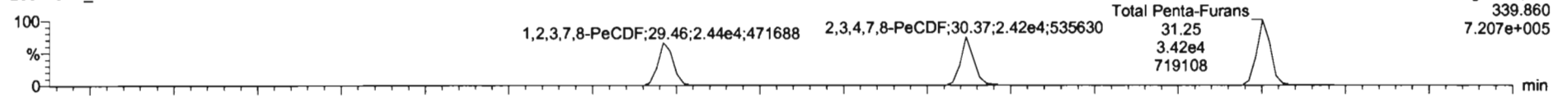
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Last Altered: Monday, June 15, 2020 14:15:04 Pacific Daylight Time
Printed: Monday, June 15, 2020 14:18:12 Pacific Daylight Time

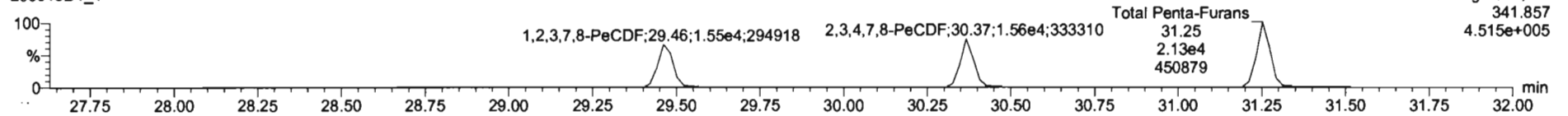
Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDF

200615D1_1

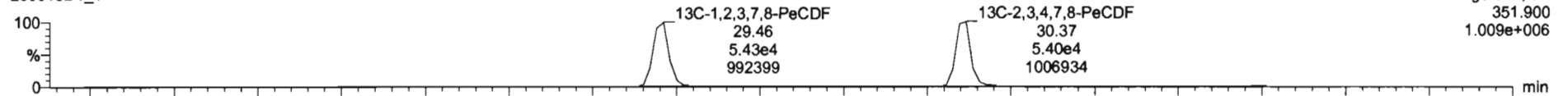


200615D1_1

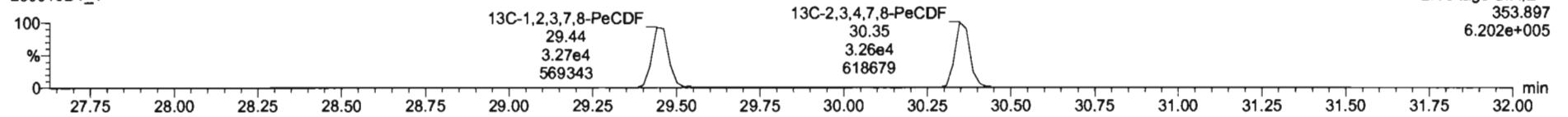


13C-1,2,3,7,8-PeCDF

200615D1_1

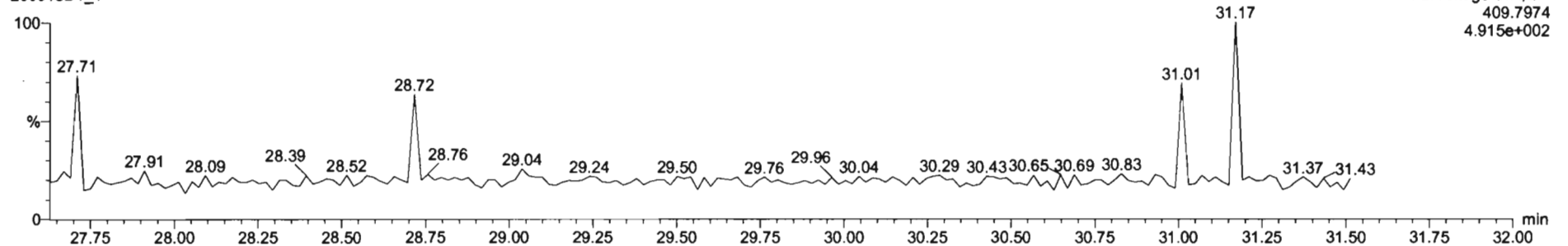


200615D1_1



DPE2

200615D1_1

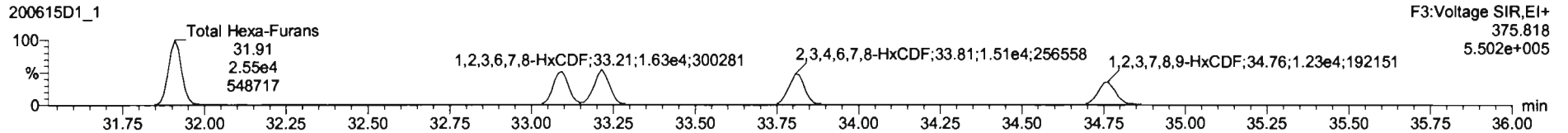
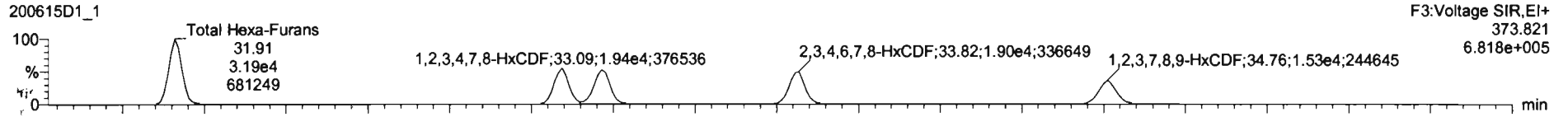


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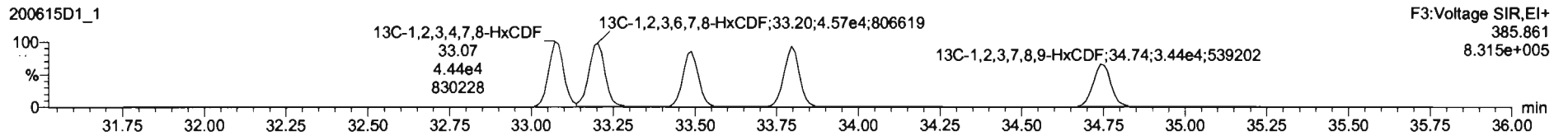
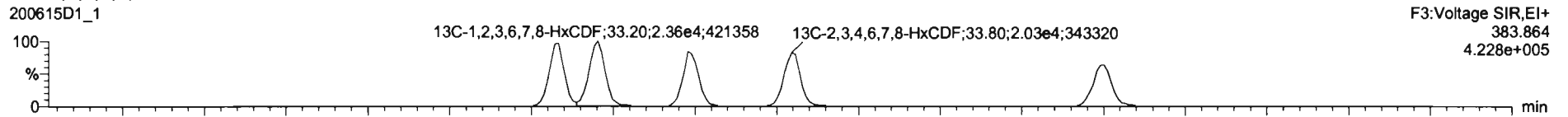
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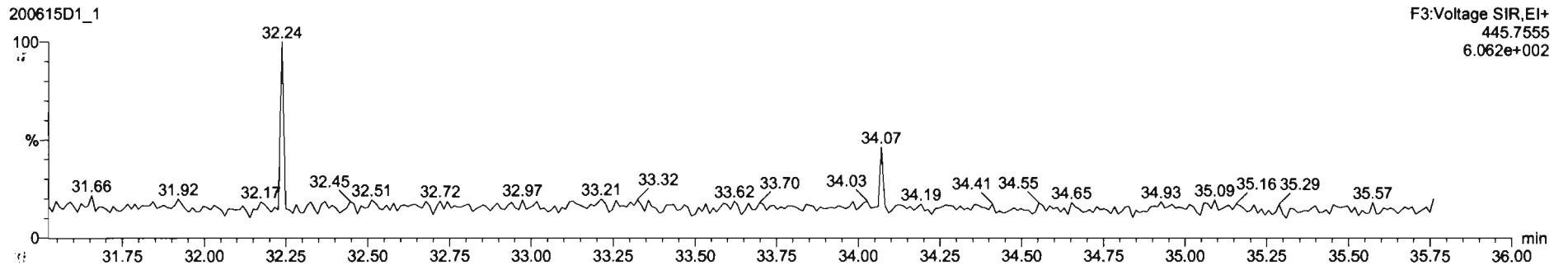
1,2,3,4,7,8-HxCDF



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



DPE3

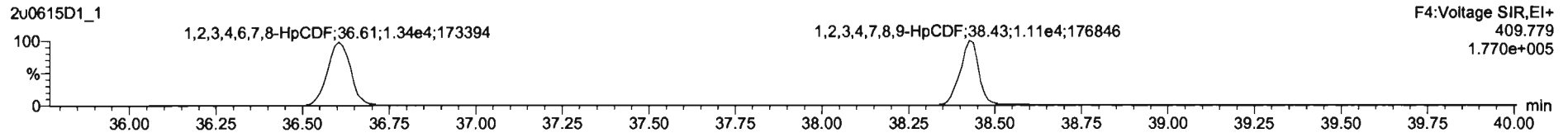
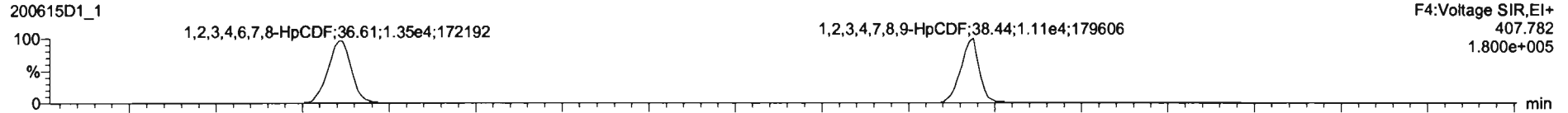


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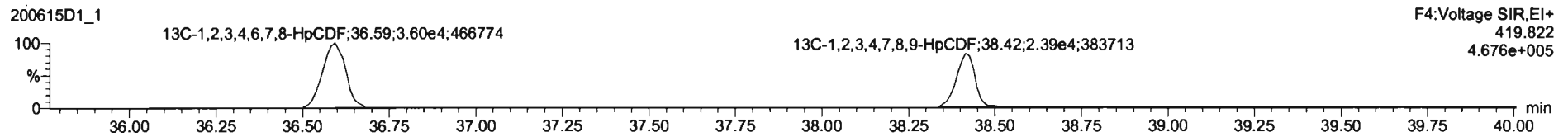
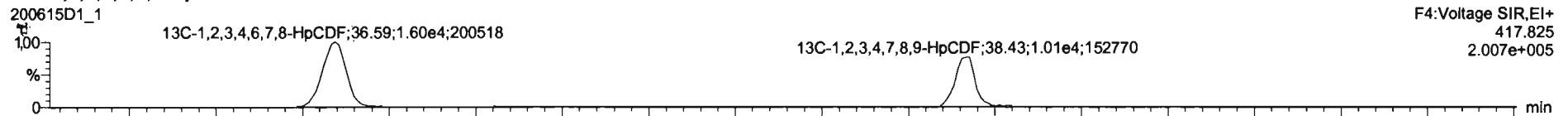
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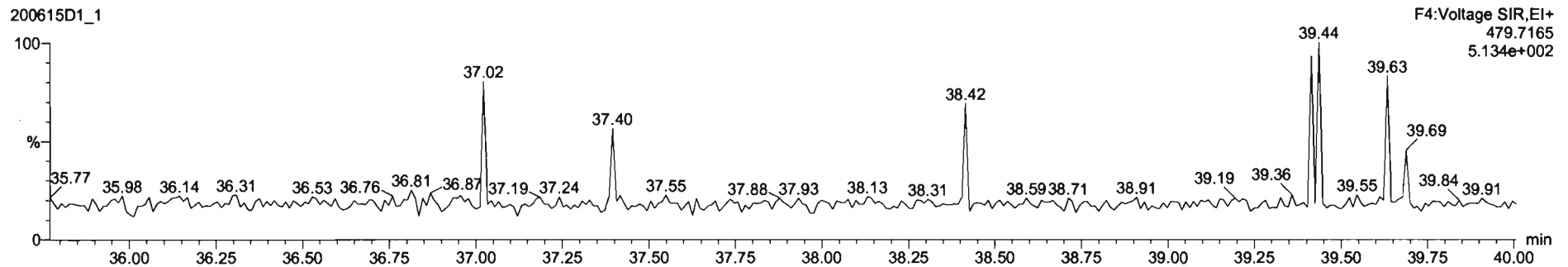
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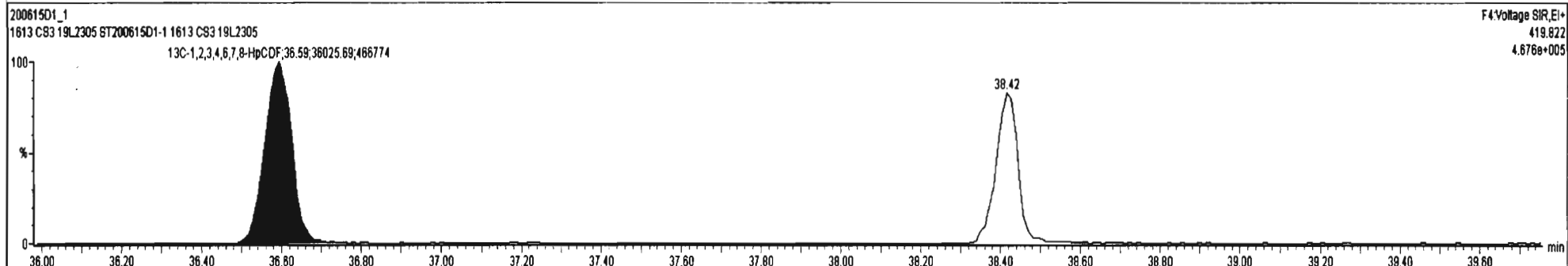
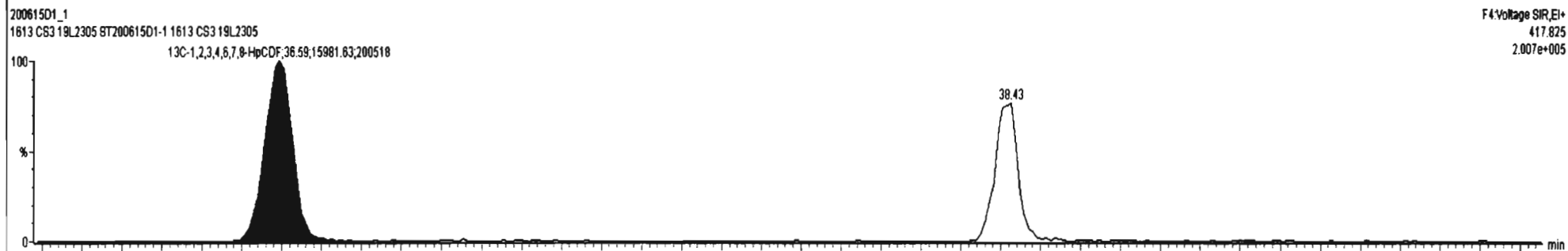
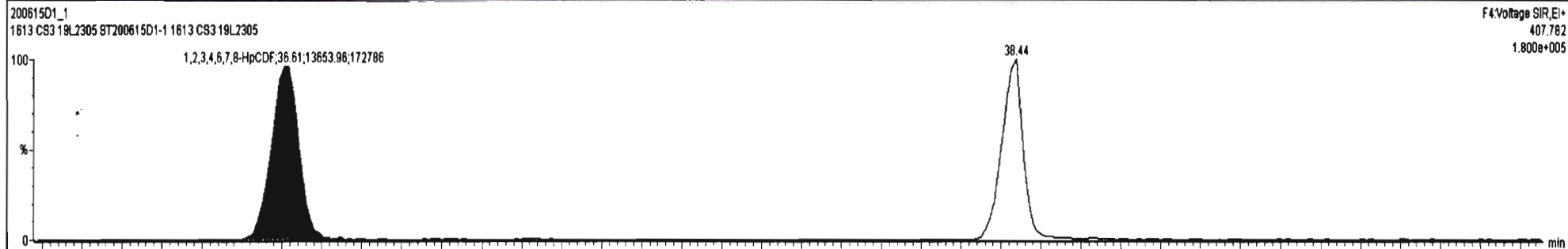


13C-1,2,3,4,6,7,8-HpCDF



DPE4

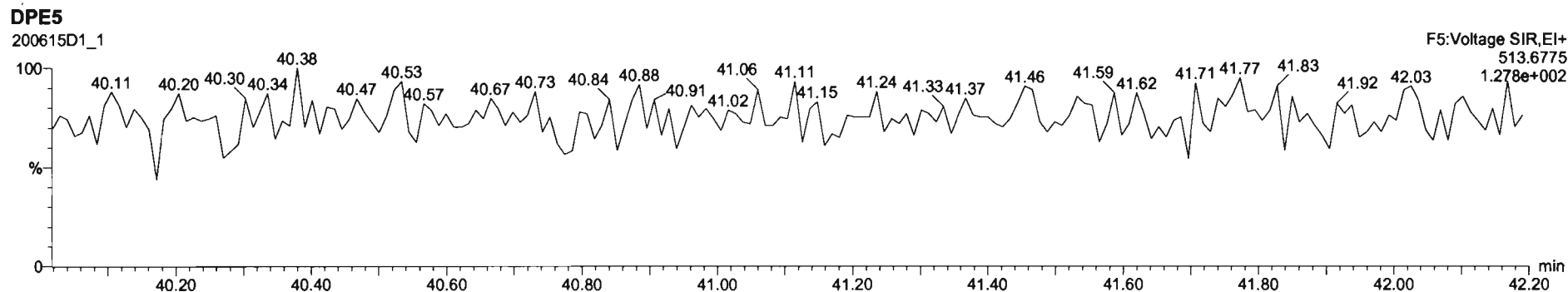
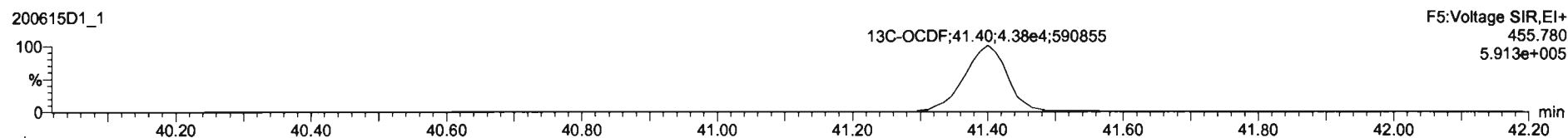
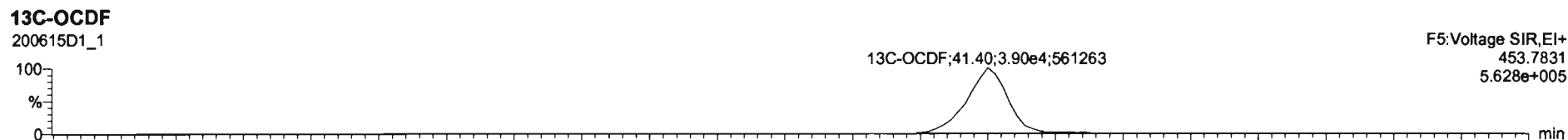
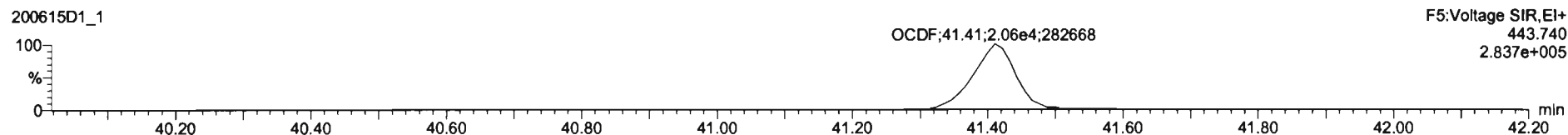
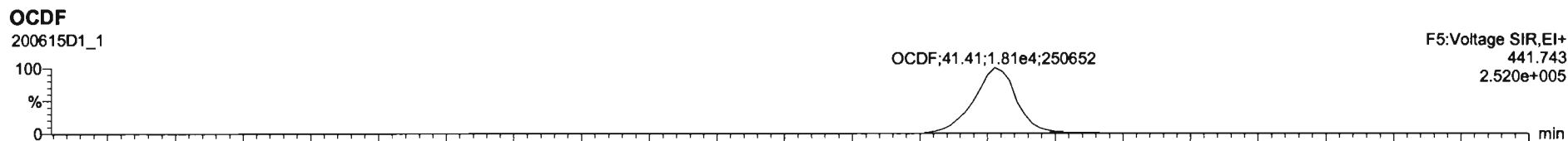




Dataset: U:\VG7.PRO\Results\200615D1\200615D1_1.qld

Last Altered: Monday, June 15, 2020 14:15:04 Pacific Daylight Time
Printed: Monday, June 15, 2020 14:18:12 Pacific Daylight Time

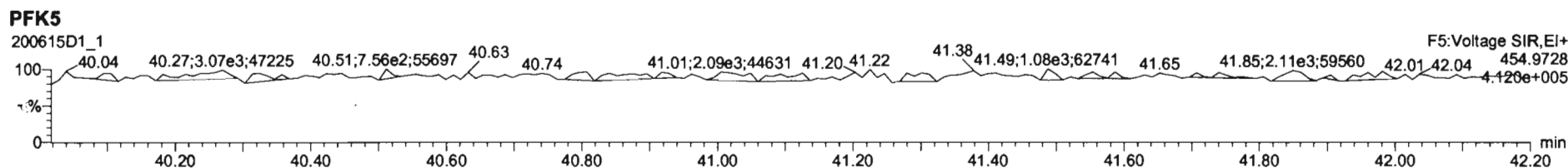
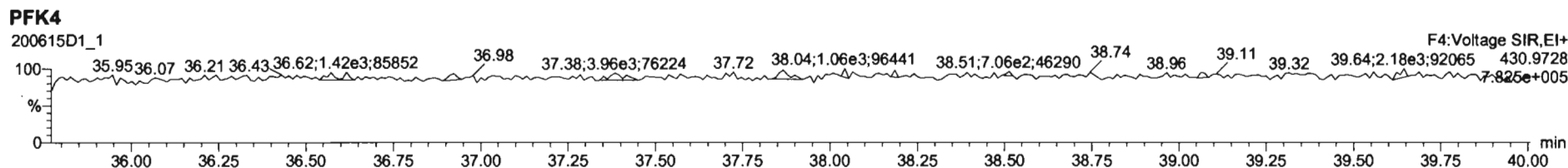
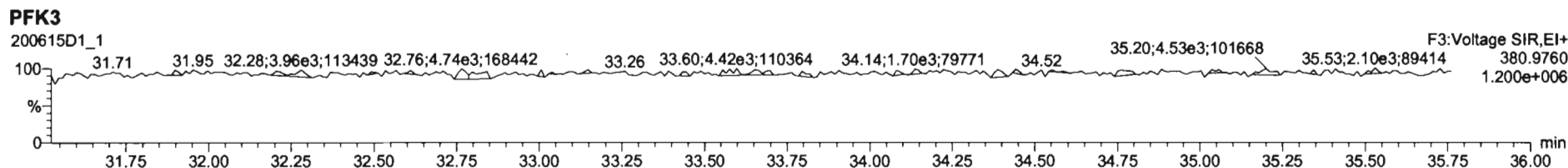
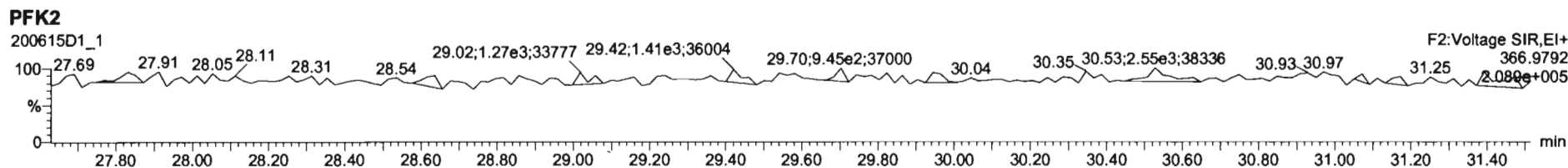
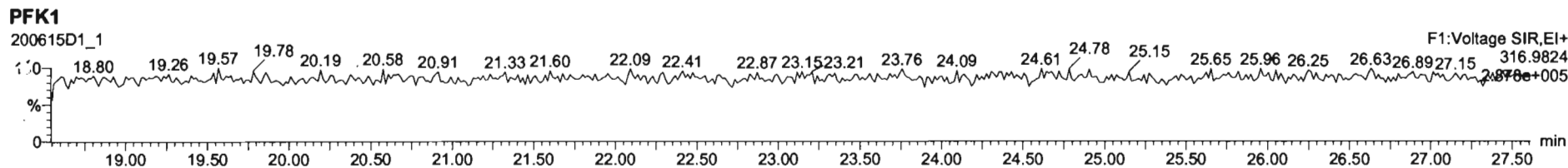
Name: 200615D1_1, Date: 15-Jun-2020, Time: 13:29:31, ID: ST200615D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



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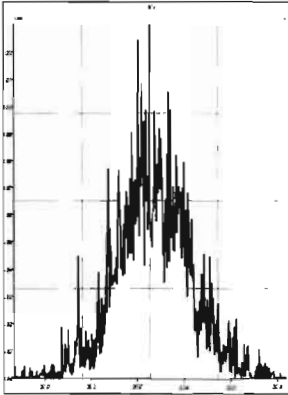
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Printed: Monday, June 15, 2020 14:18:12 Pacific Daylight Time

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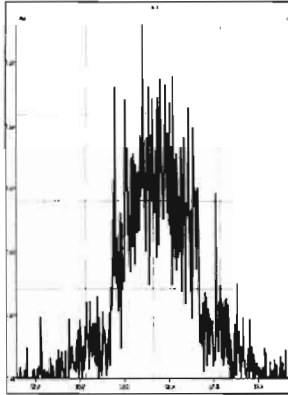


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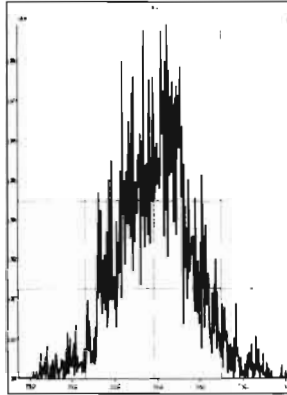
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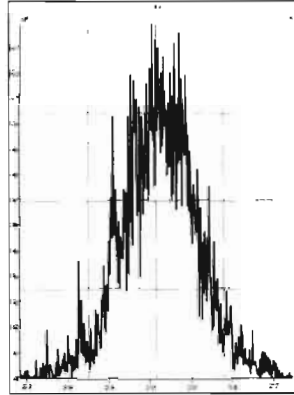
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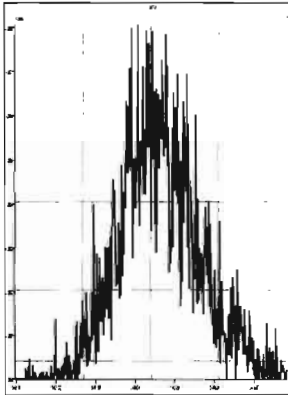
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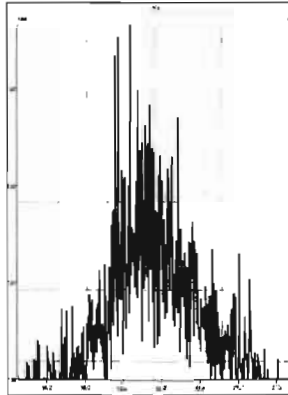
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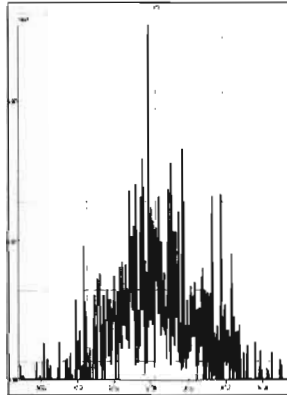
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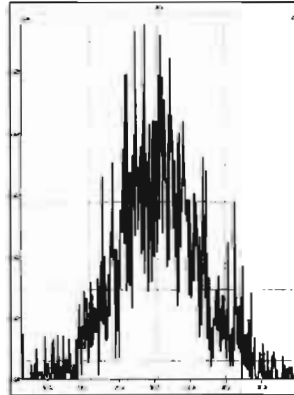
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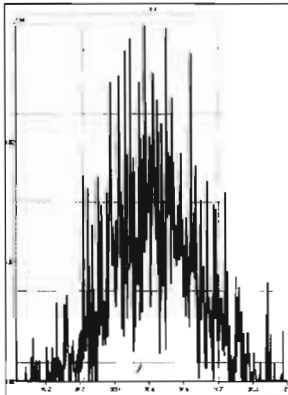
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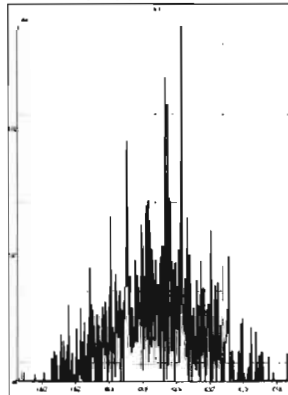
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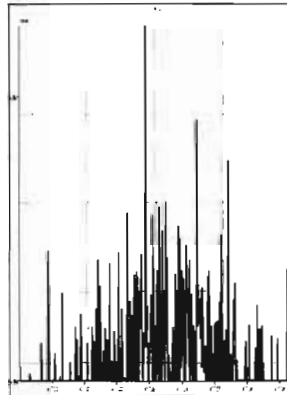
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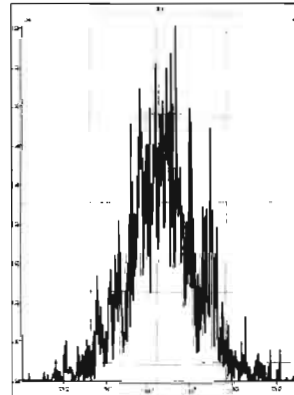
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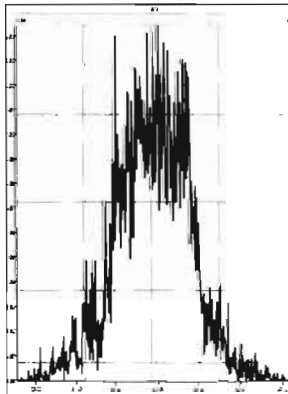
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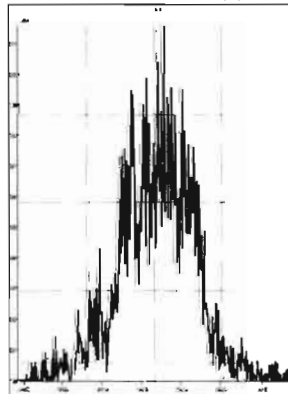
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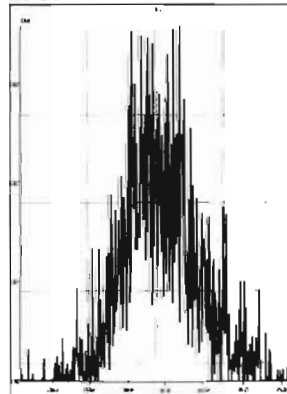
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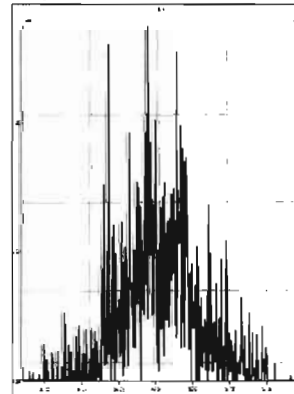
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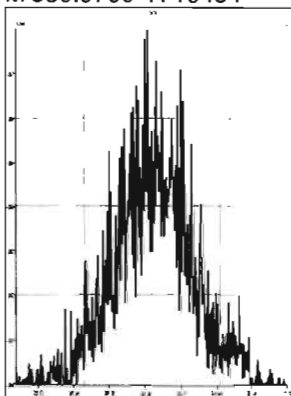
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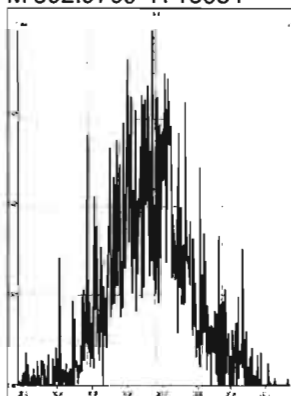
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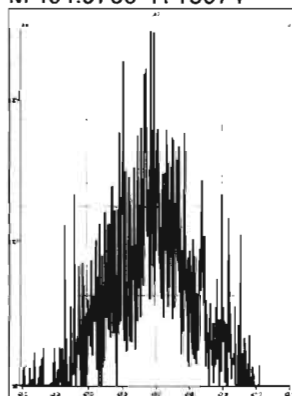
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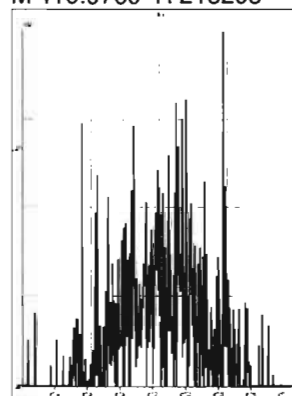
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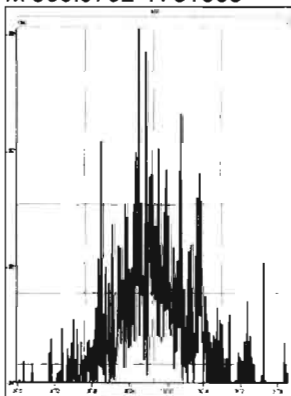
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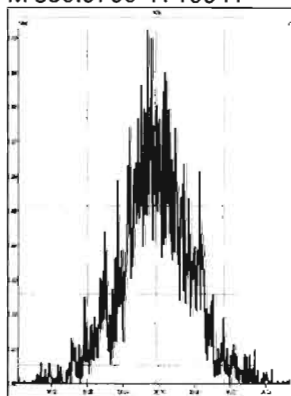
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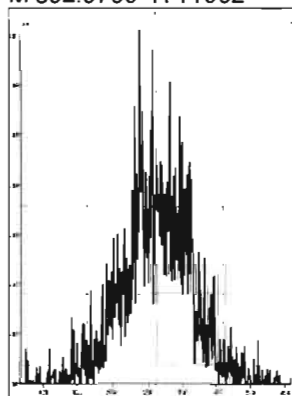
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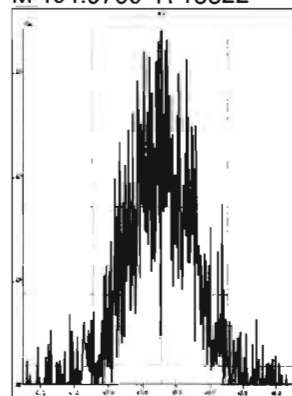
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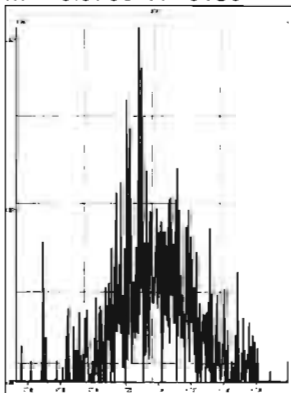
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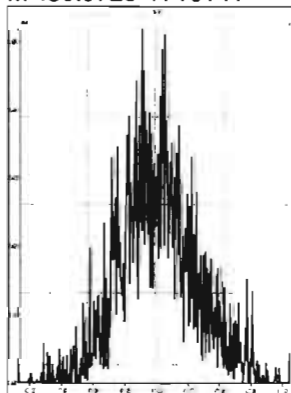
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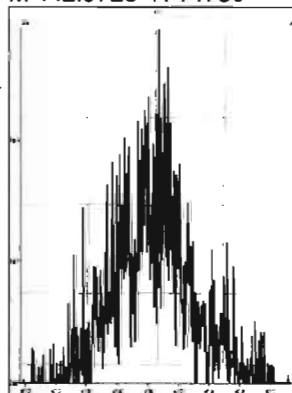
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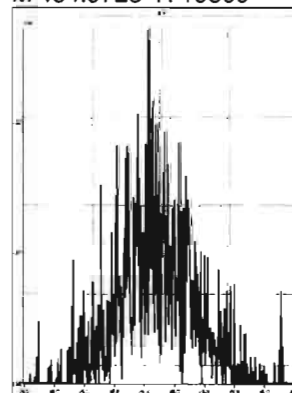
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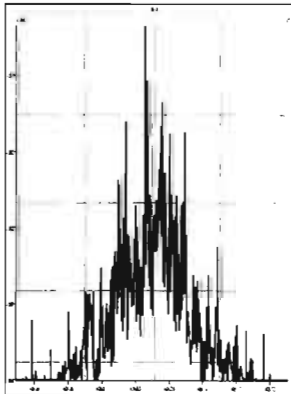
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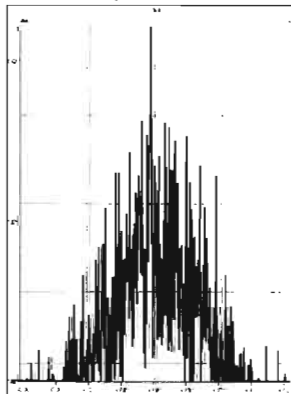
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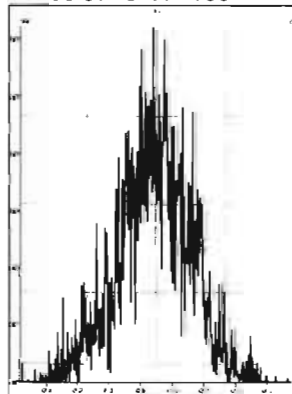
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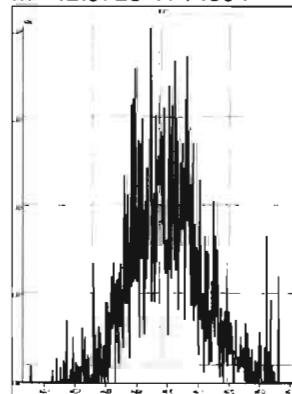
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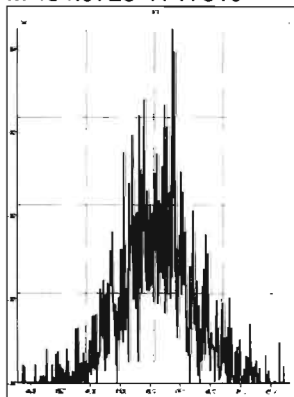
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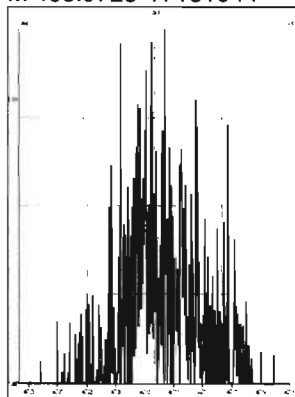
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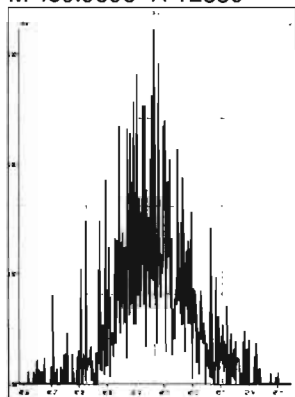
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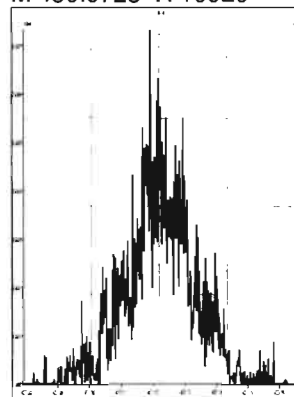
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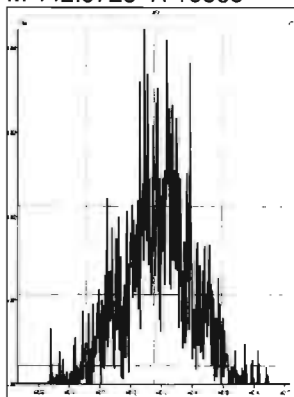
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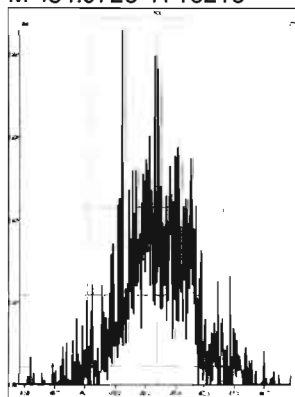
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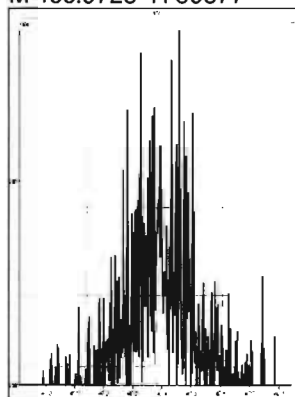
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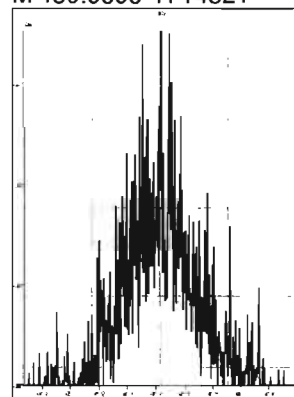
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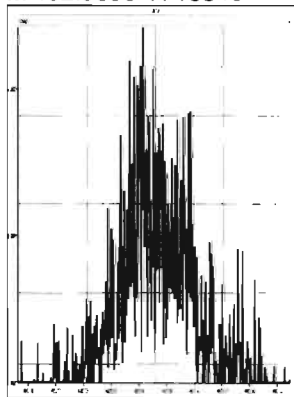
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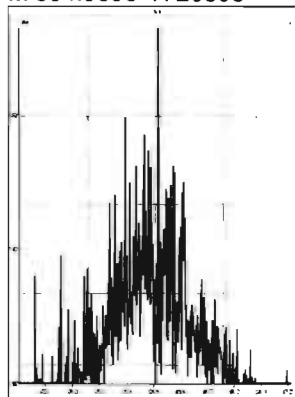
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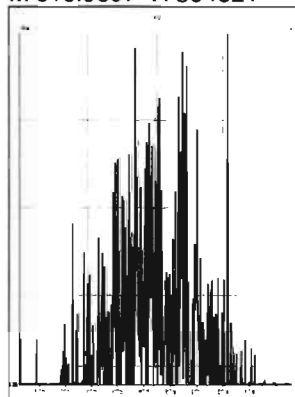
M 492.9696 R 15340



M 504.9696 R 26595



M 516.9697 R 334821



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200616D1-1

Reviewed By: CT 06/17/2020
Initials & Date

End Calibration ID: ST200616D1-2

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input 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		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GC Break <20% NA		
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours	NA	
(ST-Year-Month-Day-VG ID)					
Forms signed and dated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Comments:		
Correct ICAL referenced?	<u>DB</u>	<u>DB</u>			
<u>Run Log:</u>					
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
- Samples within 12 hour clock?	Y	N			
- Bottle position verified?	<u>DB</u>				

Dataset: U:\VG7.PRO\Results\200616D1\200616D1_1.qld

Last Altered: Tuesday, June 16, 2020 13:49:02 Pacific Daylight Time
Printed: Tuesday, June 16, 2020 13:53:17 Pacific Daylight Time

DB 6/16/20 C7 06/17/2020

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

Name: 200616D1_1, Date: 16-Jun-2020, Time: 12:52:26, ID: ST200616D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.32e4	0.80	NO	0.986	1.000	26.082	26.07	1.001	1.001	9.1403	91.4 78-129	0.0961 80-120	9.14
2	2 1,2,3,7,8-PeCDD	4.79e4	0.61	NO	0.964	1.000	30.650	30.65	1.001	1.001	47.075	94.2 78-130	0.282	47.1
3	3 1,2,3,4,7,8-HxCDD	3.97e4	1.25	NO	1.16	1.000	33.971	33.97	1.000	1.000	44.331	88.7 78-128	0.332	44.3
4	4 1,2,3,6,7,8-HxCDD	4.25e4	1.22	NO	1.01	1.000	34.060	34.08	1.000	1.001	44.697	89.4 78-128	0.316	44.7
5	5 1,2,3,7,8,9-HxCDD	3.96e4	1.27	NO	1.01	1.000	34.390	34.38	1.001	1.001	43.975	87.9 82-122	0.365	44.0
6	6 1,2,3,4,6,7,8-HpCDD	3.05e4	1.05	NO	0.997	1.000	37.879	37.88	1.000	1.000	46.756	93.5 86-116	0.338	46.8
7	7 OCDD	5.00e4	0.85	NO	1.01	1.000	41.170	41.18	1.000	1.000	87.696	87.7 79-126	0.538	87.7
8	8 2,3,7,8-TCDF	1.73e4	0.78	NO	0.833	1.000	25.265	25.27	1.001	1.001	9.3440	93.4 84-126	0.0838	9.34
9	9 1,2,3,7,8-PeCDF	7.47e4	1.57	NO	0.965	1.000	29.442	29.44	1.001	1.001	45.134	90.3 82-120	0.139	45.1
10	10 2,3,4,7,8-PeCDF	7.47e4	1.62	NO	1.01	1.000	30.377	30.35	1.001	1.000	43.417	86.8 82-120	0.134	43.4
11	11 1,2,3,4,7,8-HxCDF	6.30e4	1.25	NO	1.09	1.000	33.061	33.07	1.000	1.000	50.319	101 90-112	0.247	50.3
12	12 1,2,3,6,7,8-HxCDF	6.67e4	1.24	NO	1.07	1.000	33.192	33.20	1.000	1.001	49.760	99.5 88-114	0.255	49.8
13	13 2,3,4,6,7,8-HxCDF	6.53e4	1.24	NO	1.15	1.000	33.819	33.80	1.001	1.000	48.884	97.8 88-114	0.256	48.9
14	14 1,2,3,7,8,9-HxCDF	4.90e4	1.24	NO	1.11	1.000	34.729	34.75	1.000	1.001	49.302	98.6 90-112	0.387	49.3
15	15 1,2,3,4,6,7,8-HpCDF	4.96e4	1.02	NO	1.16	1.000	36.620	36.59	1.001	1.000	46.985	94.0 90-110	0.321	47.0
16	16 1,2,3,4,7,8,9-HpCDF	3.82e4	1.01	NO	1.35	1.000	38.405	38.42	1.000	1.000	46.778	93.6 86-116	0.338	46.8
17	17 OCDF	6.41e4	0.91	NO	0.949	1.000	41.390	41.40	1.000	1.000	102.32	102 63-159	0.475	102
18	18 13C-2,3,7,8-TCDD	1.47e5	0.79	NO	1.26	1.000	26.132	26.05	1.026	1.023	96.404	96.4 82-121	0.191 70-130	
19	19 13C-1,2,3,7,8-PeCDD	1.06e5	0.62	NO	0.921	1.000	30.614	30.63	1.202	1.203	94.652	94.7 62-160	0.213	
20	20 13C-1,2,3,4,7,8-HxCDD	7.71e4	1.27	NO	0.707	1.000	33.947	33.96	1.014	1.014	101.10	101 85-117	0.397	
21	21 13C-1,2,3,6,7,8-HxCDD	9.43e4	1.29	NO	0.829	1.000	34.057	34.06	1.017	1.017	105.54	106 85-118	0.339	
22	22 13C-1,2,3,7,8,9-HxCDD	8.93e4	1.27	NO	0.808	1.000	34.329	34.36	1.025	1.026	102.47	102 85-118	0.347	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.54e4	1.03	NO	0.662	1.000	37.797	37.87	1.129	1.131	91.605	91.6 72-138	0.662	
24	24 13C-OCDD	1.12e5	0.90	NO	0.608	1.000	40.823	41.17	1.219	1.230	171.40	85.7 48-207	0.549	
25	25 13C-2,3,7,8-TCDF	2.22e5	0.78	NO	1.07	1.000	25.215	25.24	0.990	0.991	109.30	109 71-140	0.217	
26	26 13C-1,2,3,7,8-PeCDF	1.72e5	1.63	NO	0.826	1.000	29.435	29.42	1.156	1.155	109.43	109 76-130	0.331	
27	27 13C-2,3,4,7,8-PeCDF	1.71e5	1.61	NO	0.796	1.000	30.334	30.35	1.191	1.191	112.83	113 77-130	0.344	
28	28 13C-1,2,3,4,7,8-HxCDF	1.14e5	0.49	NO	1.08	1.000	33.076	33.06	0.988	0.988	98.620	98.6 76-131	0.569	
29	29 13C-1,2,3,6,7,8-HxCDF	1.26e5	0.51	NO	1.12	1.000	33.210	33.18	0.992	0.991	103.77	104 70-143	0.544	
30	30 13C-2,3,4,6,7,8-HxCDF	1.16e5	0.50	NO	1.02	1.000	33.783	33.79	1.009	1.009	104.78	105 73-137	0.597	
31	31 13C-1,2,3,7,8,9-HxCDF	8.93e4	0.50	NO	0.887	1.000	34.683	34.73	1.036	1.037	93.332	93.3 74-135	0.690	

Dataset: U:\VG7.PRO\Results\200616D1\200616D1_1.qld

Last Altered: Tuesday, June 16, 2020 13:49:02 Pacific Daylight Time

Printed: Tuesday, June 16, 2020 13:53:17 Pacific Daylight Time

Name: 200616D1_1, Date: 16-Jun-2020, Time: 12:52:26, ID: ST200616D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	9.13e4	0.43	NO	0.811	1.000	36.391	36.58	1.087	1.093	104.36	104	0.553	
33	13C-1,2,3,4,7,8,9-HpCDF	6.05e4	0.43	NO	0.598	1.000	38.399	38.40	1.147	1.147	93.796	93.8	0.749	
34	13C-OCDF	1.32e5	0.88	NO	0.752	1.000	40.977	41.39	1.224	1.236	162.84	81.4	0.428	
35	37Cl-2,3,7,8-TCDD	1.27e4			1.24	1.000	26.129	26.07	1.026	1.023	8.4678	84.7	0.0582	
36	13C-1,2,3,4-TCDD	1.21e5	0.80	NO	1.00	1.000	25.480	25.47	1.000	1.000	100.00	100	0.241	
37	13C-1,2,3,4-TCDF	1.90e5	0.79	NO	1.00	1.000	24.020	24.00	1.000	1.000	100.00	100	0.231	
38	13C-1,2,3,4,6,9-HxCDF	1.08e5	0.50	NO	1.00	1.000	33.530	33.48	1.000	1.000	100.00	100	0.612	

1613 8296

78-129
77-129
48-207
79-127
70-130
↓

Dataset: Untitled

Last Altered: Wednesday, June 17, 2020 10:03:34 Pacific Daylight Time

Printed: Wednesday, June 17, 2020 10:04:10 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34

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

Name: 200616D1_1, Date: 16-Jun-2020, Time: 12:52:26, ID: ST200616D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.58
2	2 1,2,8,9-TCDD (Last)	26.94
3	3 1,2,4,7,9-PeCDD (First)	28.58
4	4 1,2,3,8,9-PeCDD (Last)	31.01
5	5 1,2,4,6,7,9-HxCDD (First)	32.44
6	6 1,2,3,7,8,9-HxCDD (Last)	34.38
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.99
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.88
9	9 1,3,6,8-TCDF (First)	20.42
10	10 1,2,8,9-TCDF (Last)	27.07
11	11 1,3,4,6,8-PeCDF (First)	27.04
12	12 1,2,3,8,9-PeCDF (Last)	31.23
13	13 1,2,3,4,6,8-HxCDF (First)	31.90
14	14 1,2,3,7,8,9-HxCDF (Last)	34.75
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.59
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.42

Dataset: Untitled

Last Altered: Wednesday, June 17, 2020 09:52:25 Pacific Daylight Time

Printed: Wednesday, June 17, 2020 09:52:39 Pacific Daylight Time

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

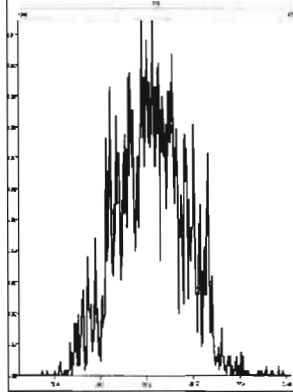
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200616D1_1	ST200616D1-1 1613 CS3 19L2305	16-Jun-20	12:52:26
2	200616D1_2	B0F0043-BS1 OPR 10	16-Jun-20	13:37:34
3	200616D1_3	B0D0287-BS1 OPR 10	16-Jun-20	14:22:43
4	200616D1_4	B0D0287-MS1 Matrix Spike 10.4	16-Jun-20	15:07:54
5	200616D1_5	B0D0287-MSD1 Matrix Spike Dup 10.43	16-Jun-20	15:53:06
6	200616D1_6	B0D0287-MS2 Matrix Spike 16.75	16-Jun-20	16:38:13
7	200616D1_7	B0D0287-MSD2 Matrix Spike Dup 16.71	16-Jun-20	17:23:21
8	200616D1_8	SOLVENT BLANK	16-Jun-20	18:08:28
9	200616D1_9	B0F0043-BLK1 Method Blank 10	16-Jun-20	18:53:36
10	200616D1_10	B0D0287-BLK1 Method Blank 10	16-Jun-20	19:38:42
11	200616D1_11	2000996-03RE2 PDI-1054SC-A-09-10-200428...	16-Jun-20	20:23:49
12	200616D1_12	2000932-01 SD-0014 13.4	16-Jun-20	21:08:56
13	200616D1_13	2000932-02 SD-0015 12.38	16-Jun-20	21:54:03
14	200616D1_14	2000932-03 SD-0016 12.83	16-Jun-20	22:39:10
15	200616D1_15	SOLVENT BLANK	16-Jun-20	23:24:16
16	200616D1_16	ST200616D1-2 1613 CS3 19L2305	17-Jun-20	00:09:24

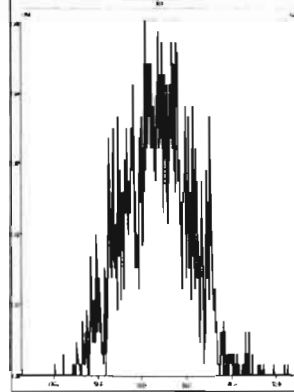
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, June 16, 2020 12:41:21 Pacific Daylight Time

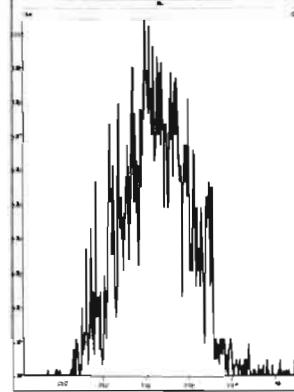
M 292.9824 R 10500



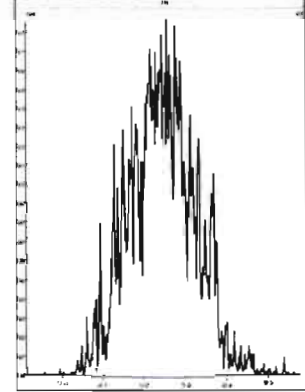
M 304.9824 R 12195



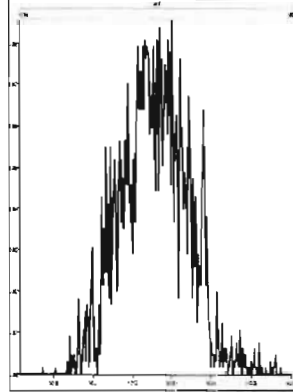
M 318.9792 R 10415



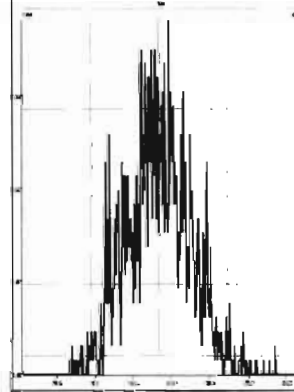
M 330.9792 R 11630



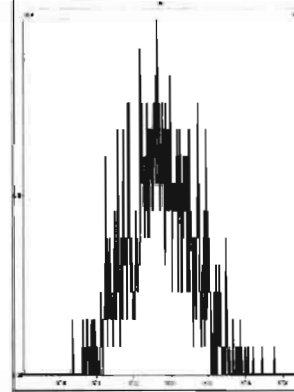
M 342.9792 R 12019



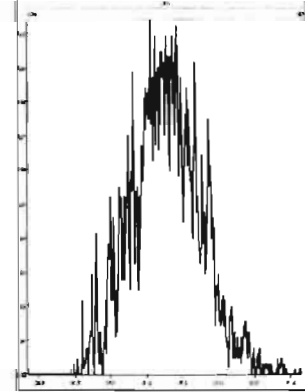
M 354.9792 R 11362



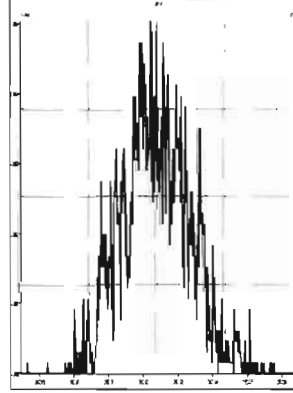
M 366.9792 R 12020



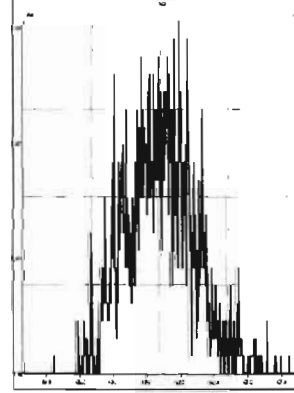
M 380.9760 R 10917



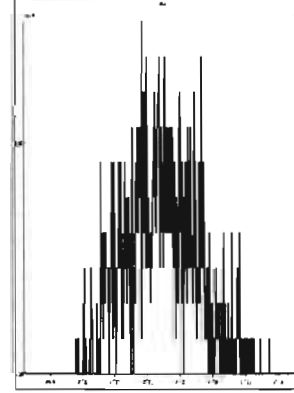
M 392.9760 R 11060



M 404.9760 R 11262



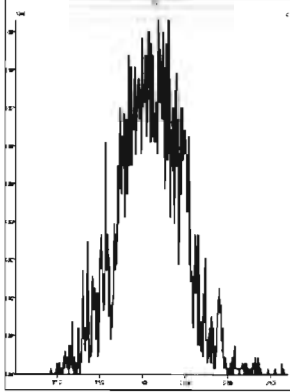
M 416.9760 R 10204



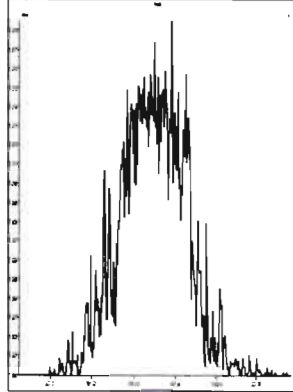
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, June 16, 2020 12:41:59 Pacific Daylight Time

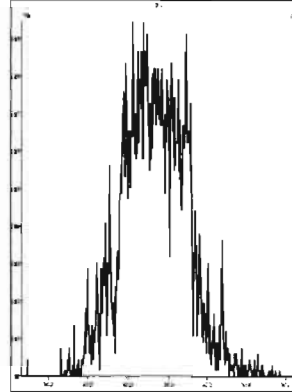
M 318.9792 R 11519



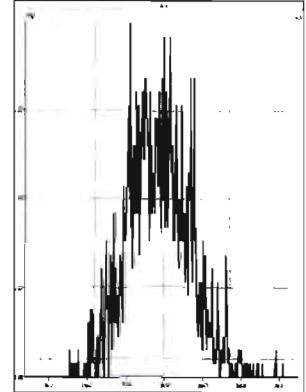
M 330.9792 R 11015



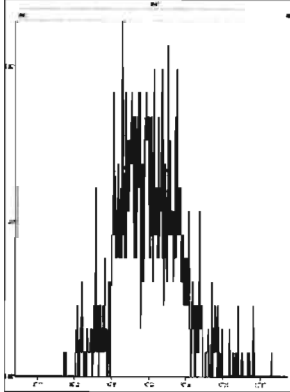
M 342.9792 R 11793



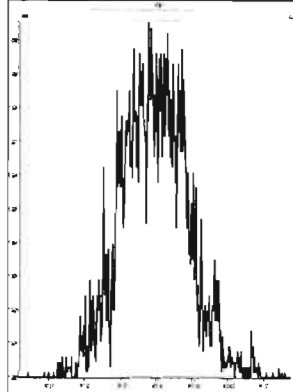
M 354.9792 R 11362



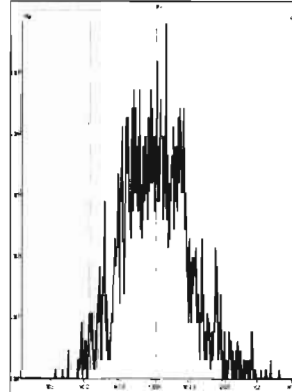
M 366.9792 R 16021



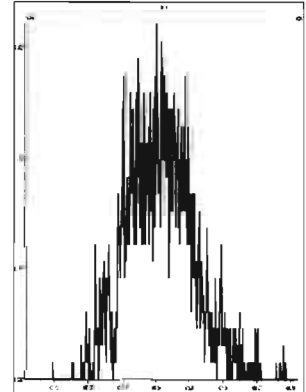
M 380.9760 R 10163



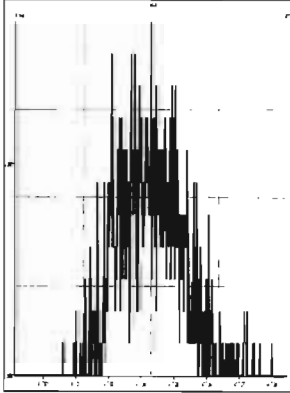
M 392.9760 R 10203



M 404.9760 R 11902



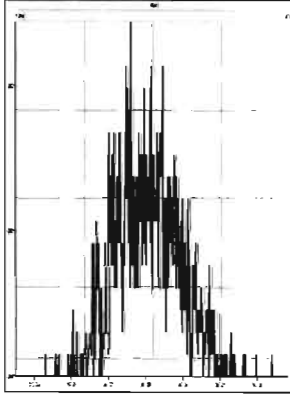
M 416.9760 R 13369



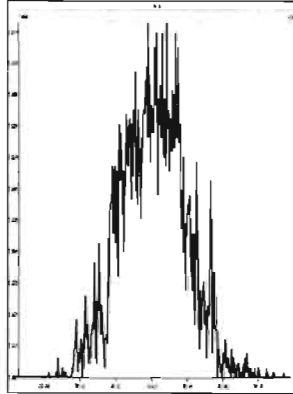
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Printed: Tuesday, June 16, 2020 12:42:32 Pacific Daylight Time

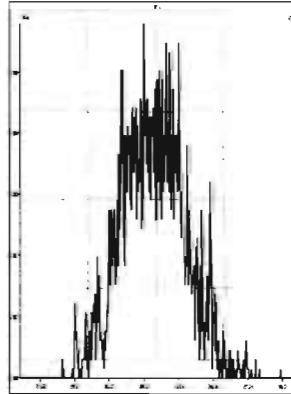
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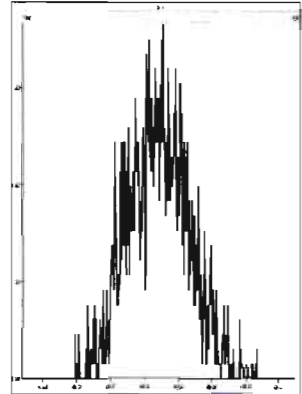
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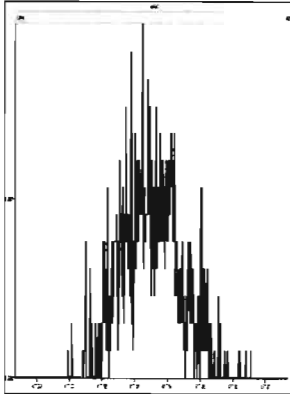
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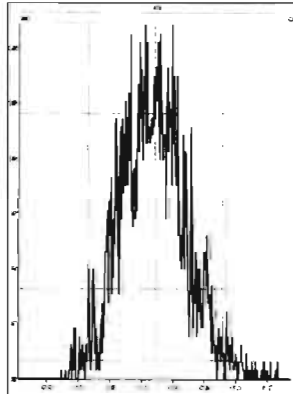
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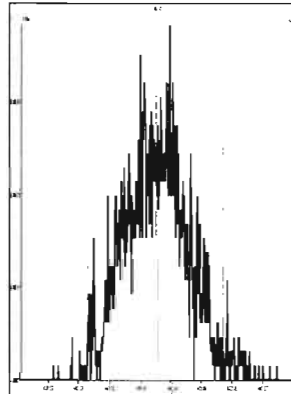
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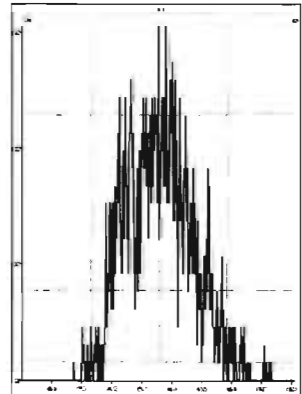
M 430.9728 R 11681



M 442.9728 R 14537



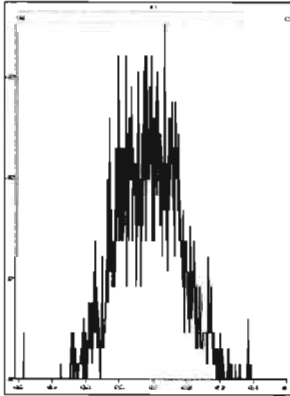
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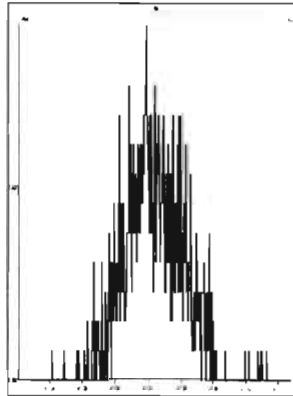
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Printed: Tuesday, June 16, 2020 12:43:02 Pacific Daylight Time

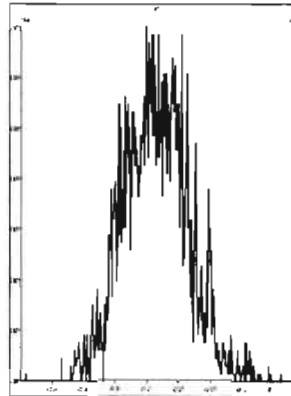
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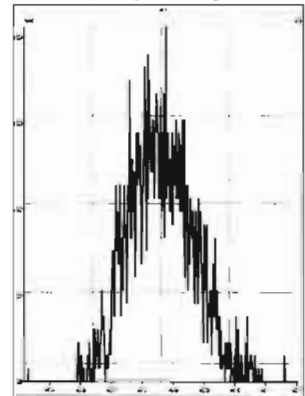
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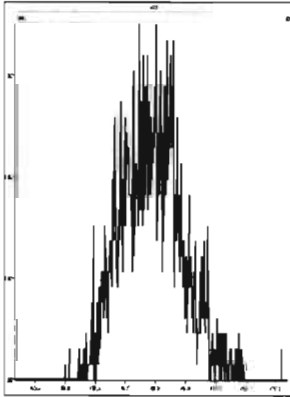
M 430.9728 R 11062



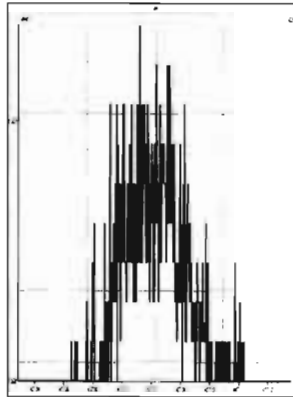
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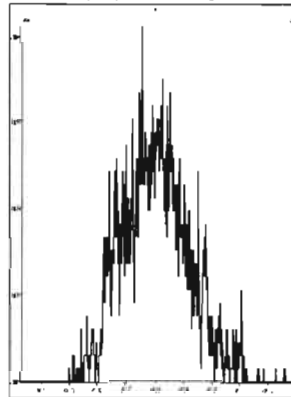
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M 466.9728 R 13441



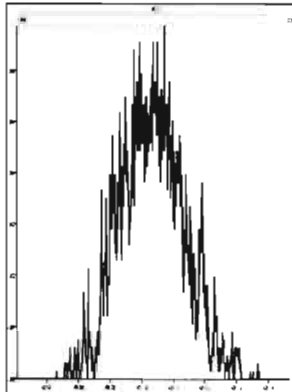
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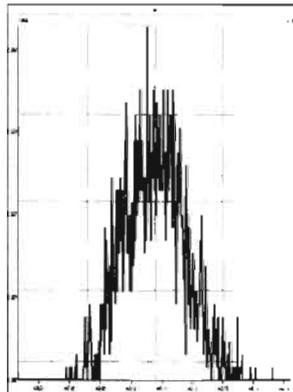
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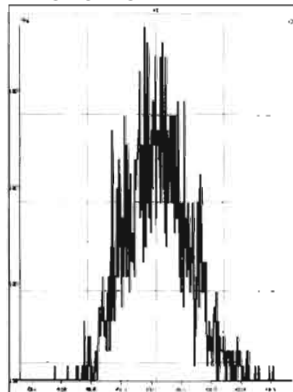
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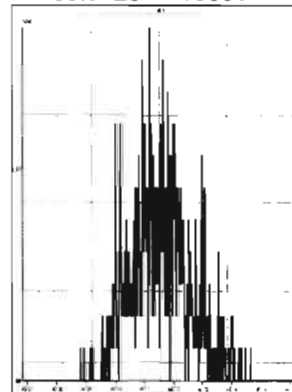
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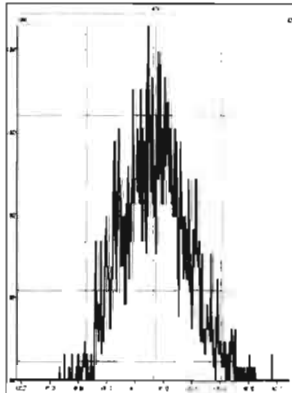
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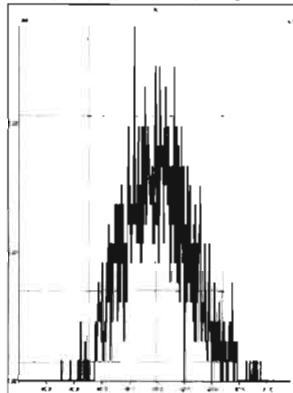
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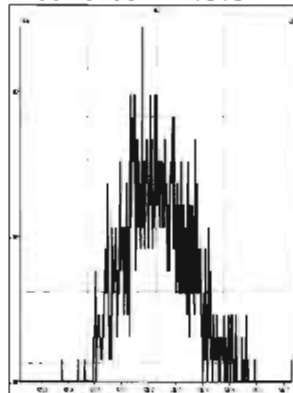
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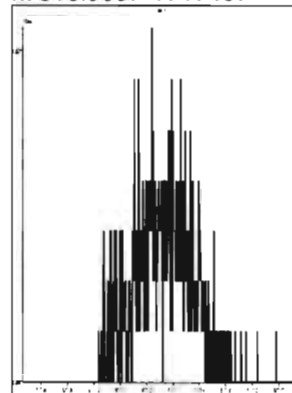
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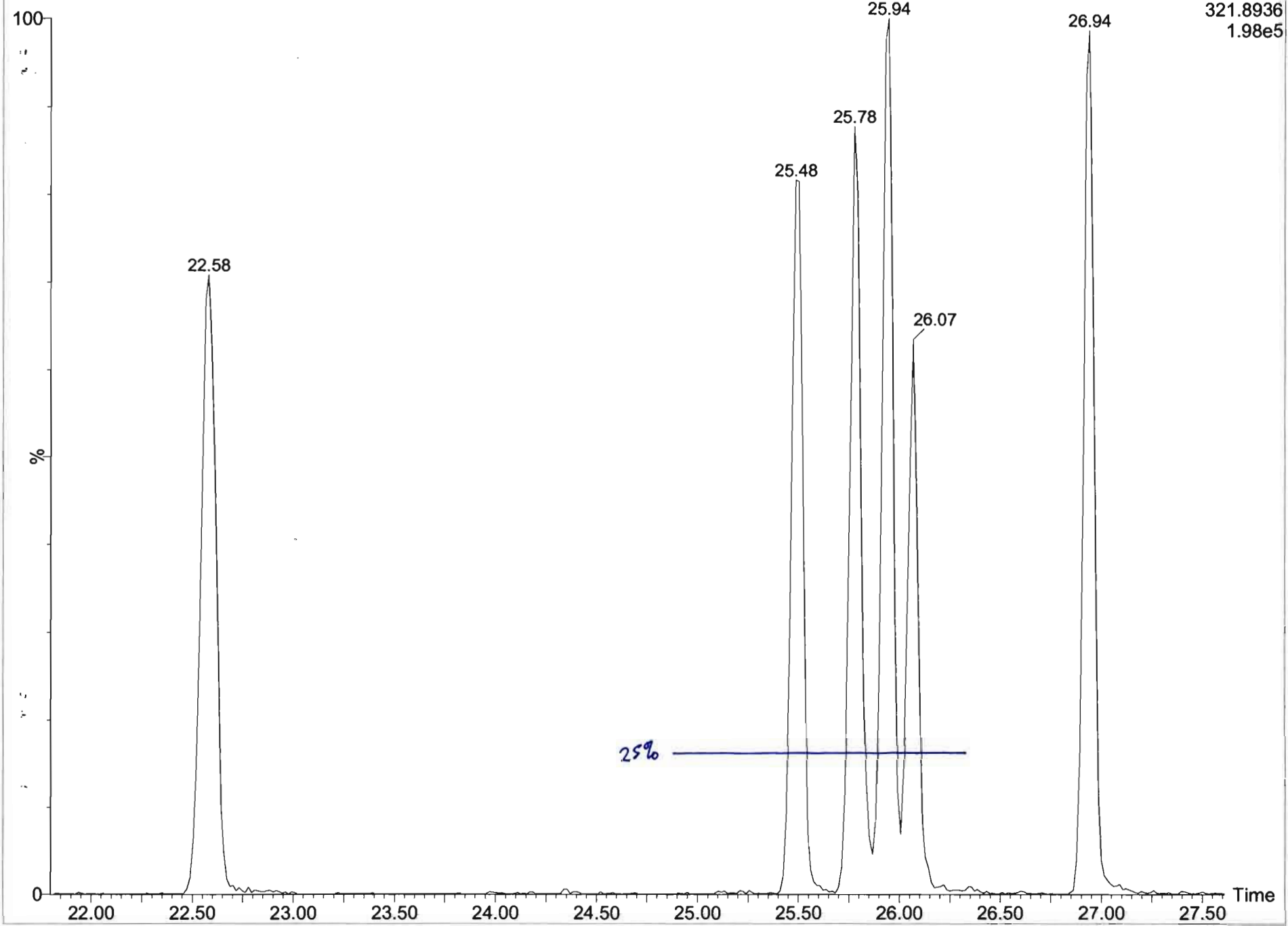


M 504.9696 R 11313



M 516.9697 R 17487





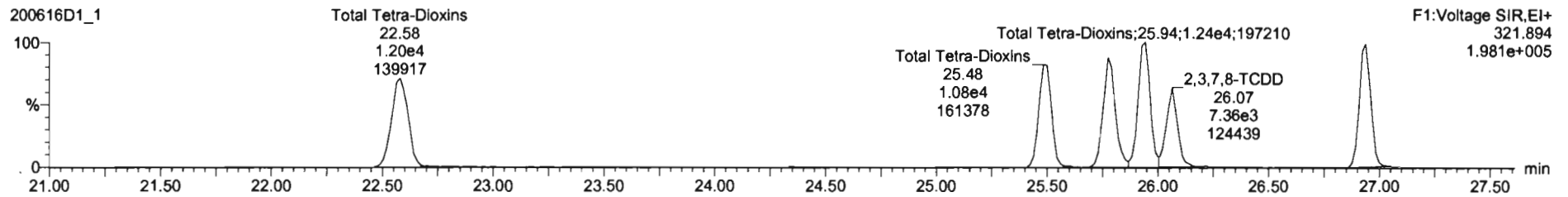
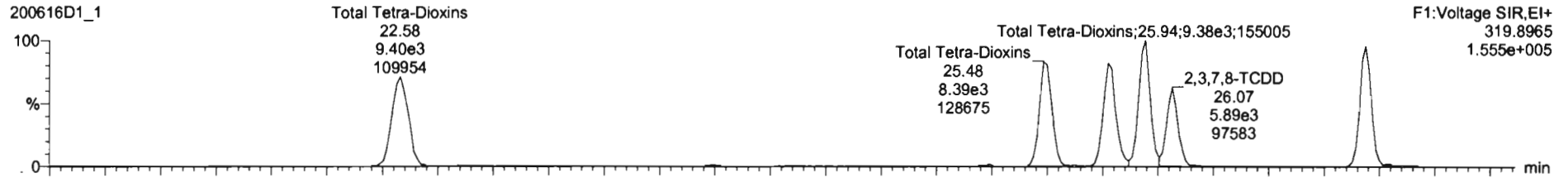
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Printed: Tuesday, June 16, 2020 13:53:41 Pacific Daylight Time

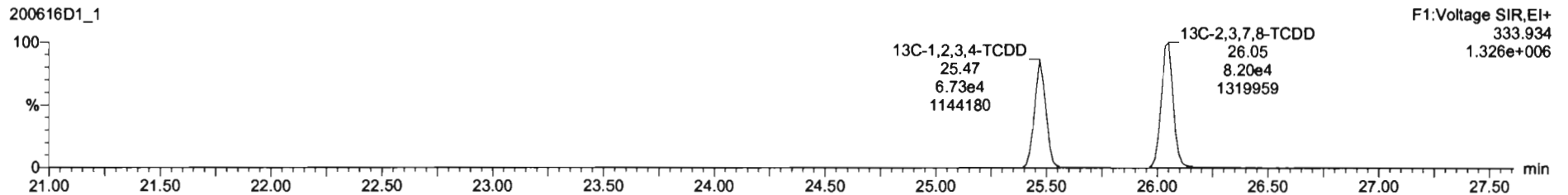
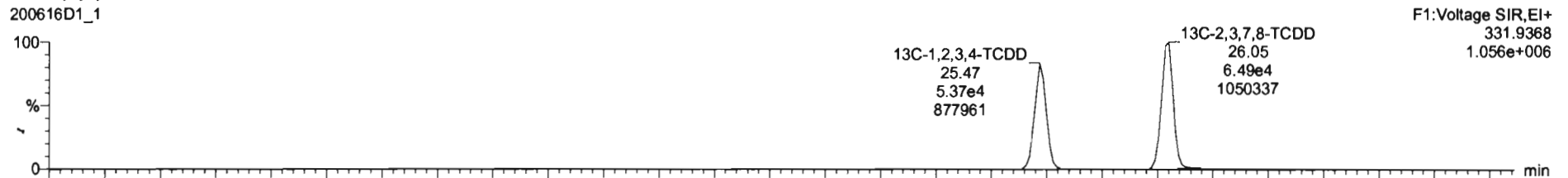
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Name: 200616D1_1, Date: 16-Jun-2020, Time: 12:52:26, ID: ST200616D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



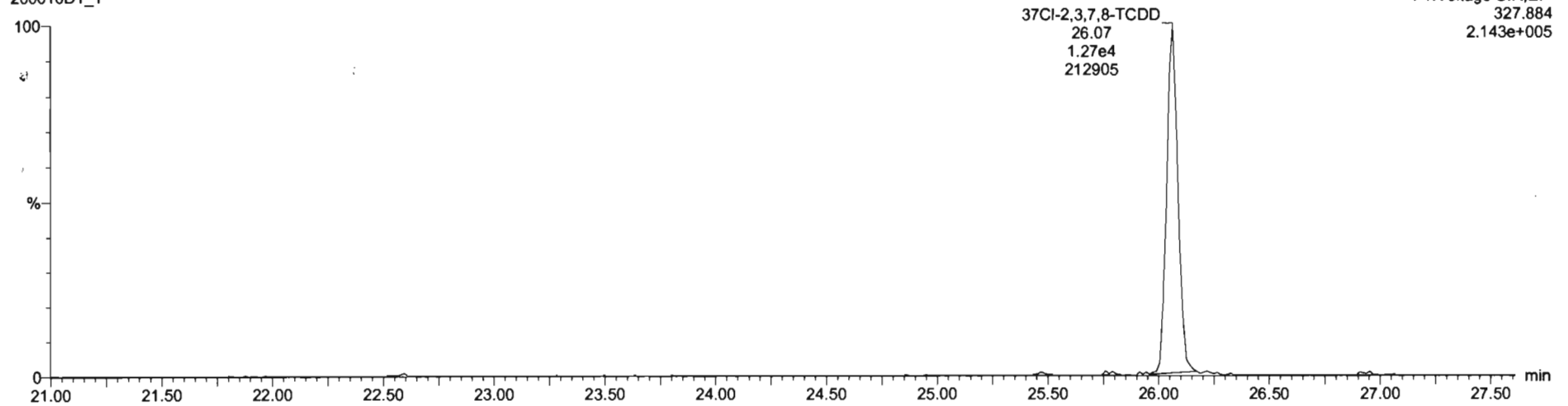
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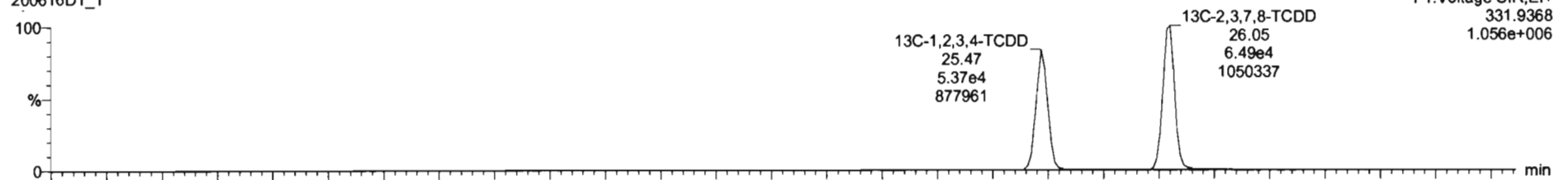
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200616D1_1

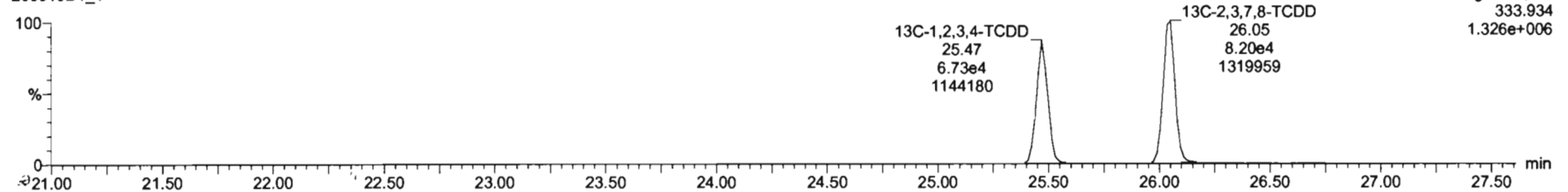


13C-1,2,3,4-TCDD

200616D1_1



200616D1_1



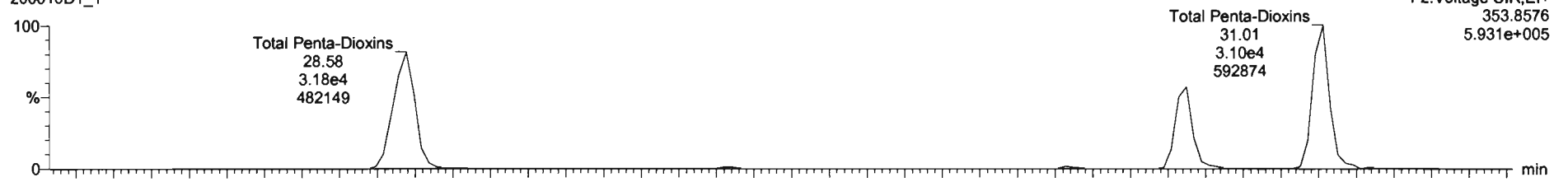
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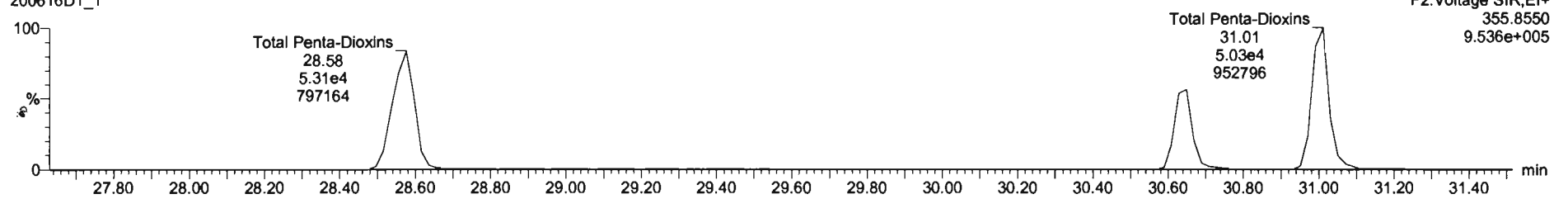
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1,2,3,7,8-PeCDD

200616D1_1

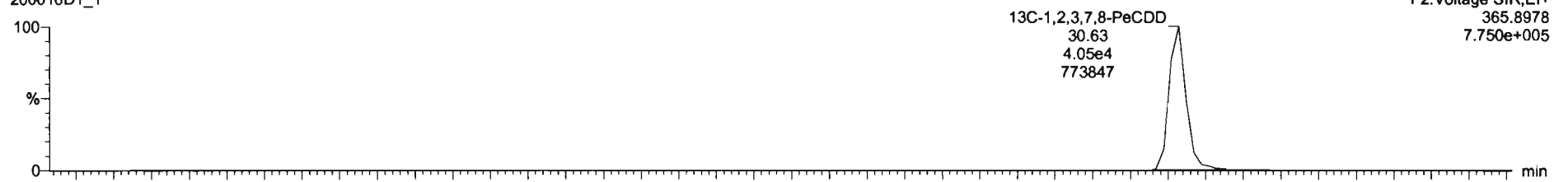


200616D1_1

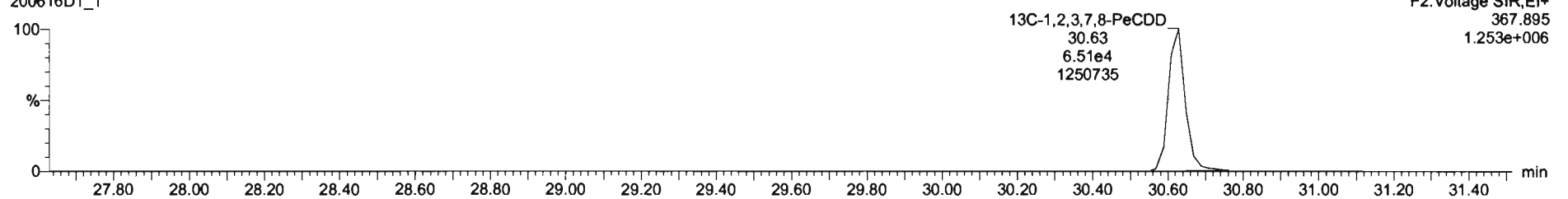


13C-1,2,3,7,8-PeCDD

200616D1_1



200616D1_1



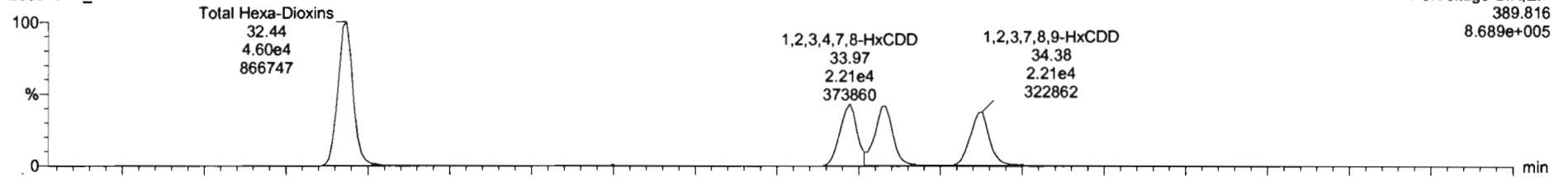
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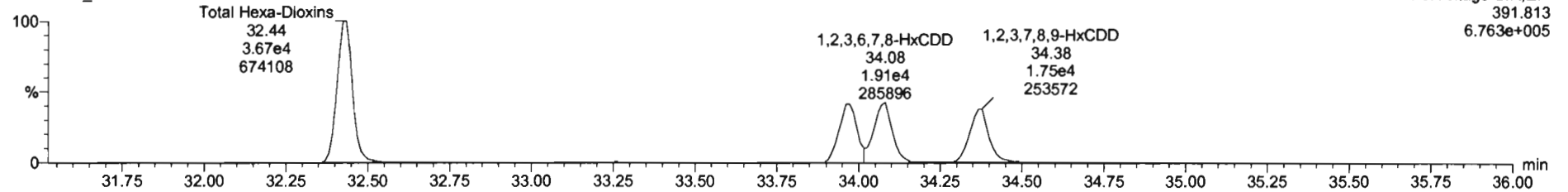
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1,2,3,4,7,8-HxCDD

200616D1_1

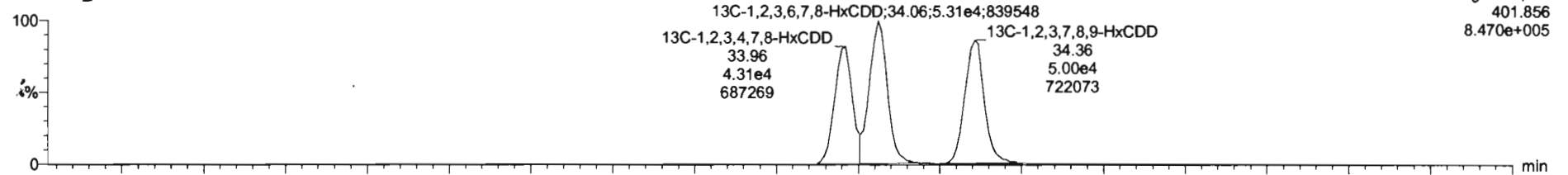


200616D1_1

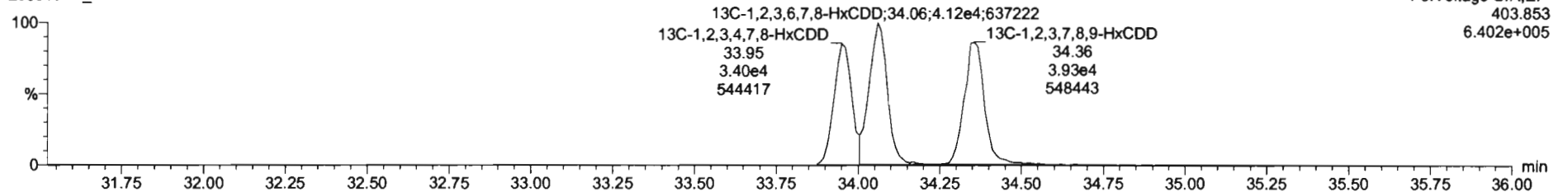


13C-1,2,3,4,7,8-HxCDD

200616D1_1



200616D1_1



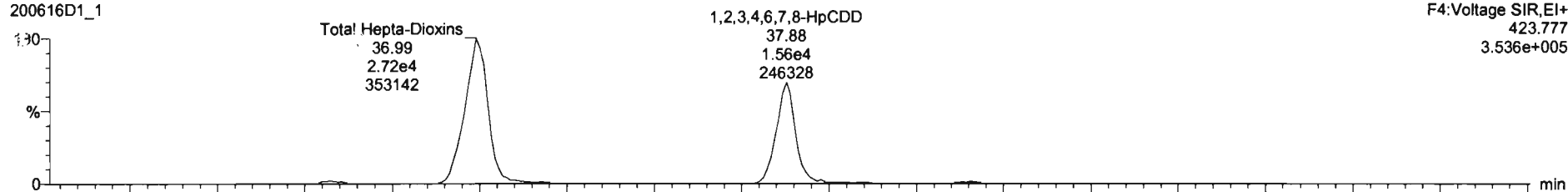
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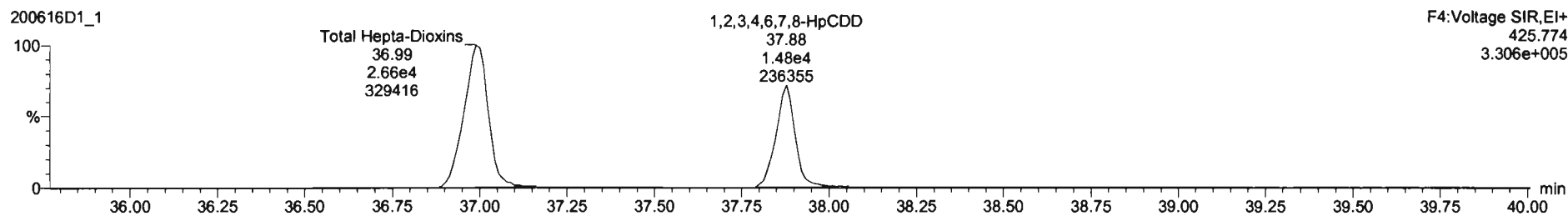
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1,2,3,4,6,7,8-HpCDD

200616D1_1

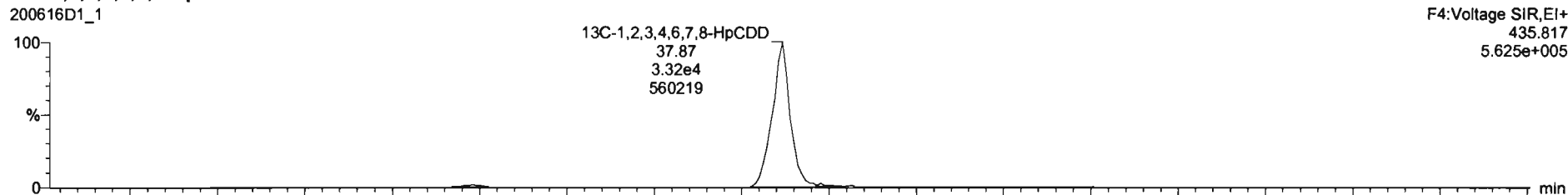


200616D1_1

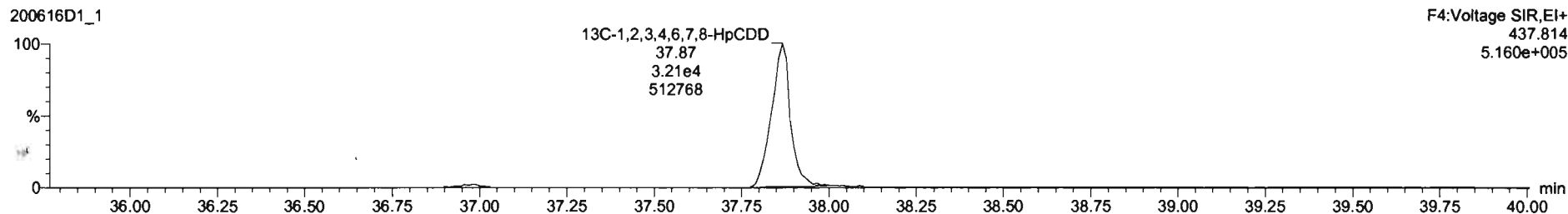


13C-1,2,3,4,6,7,8-HpCDD

200616D1_1



200616D1_1



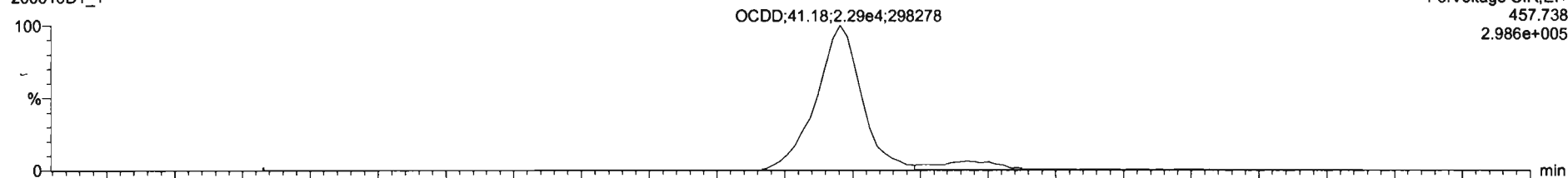
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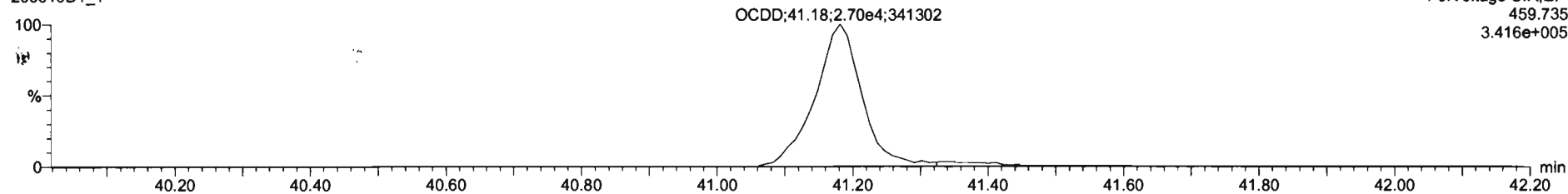
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OCDD

200616D1_1

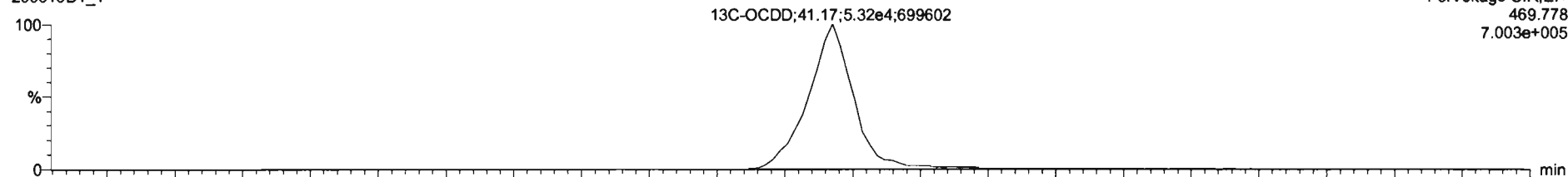


200616D1_1

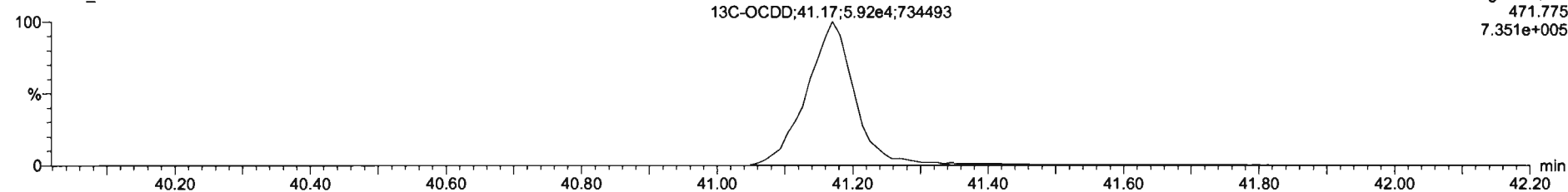


13C-OCDD

200616D1_1



200616D1_1



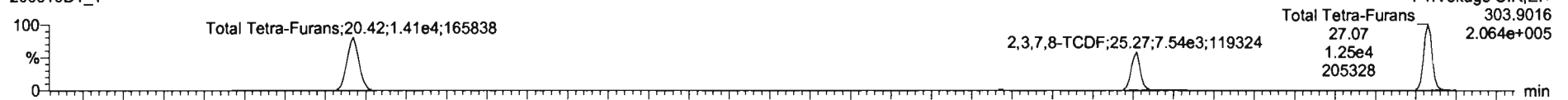
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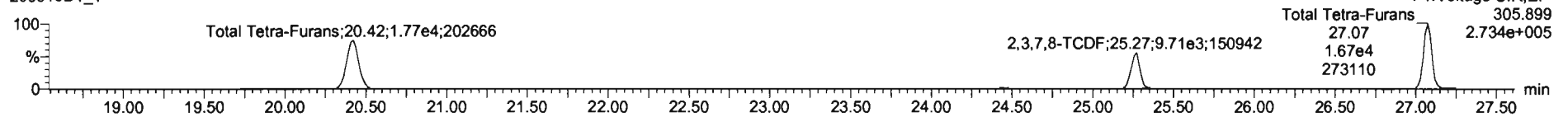
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2,3,7,8-TCDF

200616D1_1

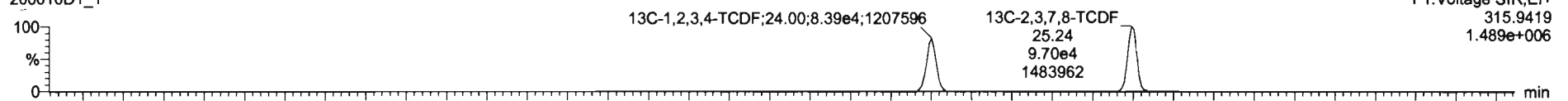


200616D1_1

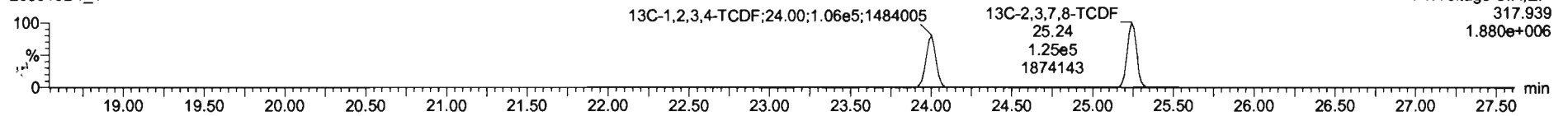


13C-2,3,7,8-TCDF

200616D1_1

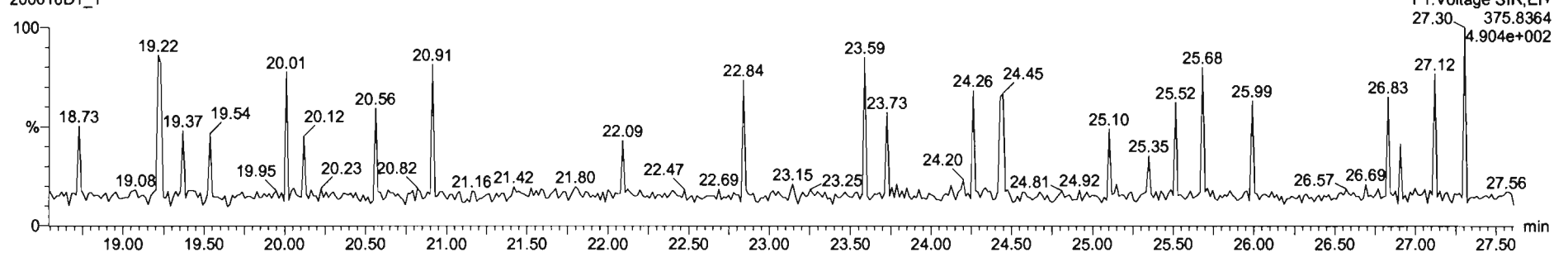


200616D1_1



DPE1

200616D1_1



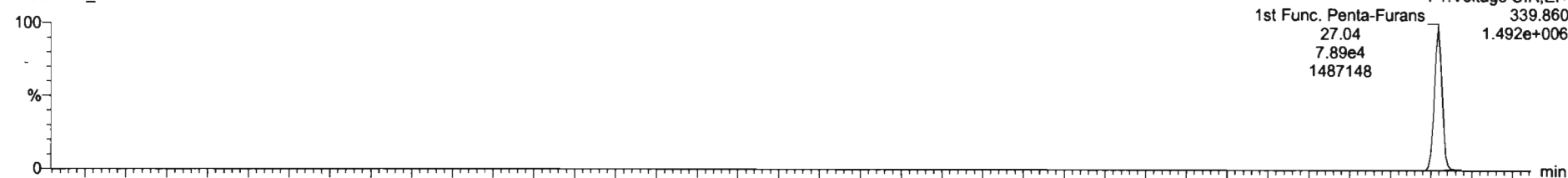
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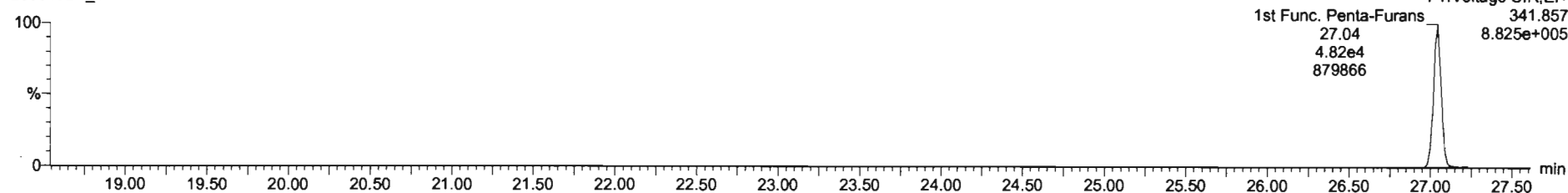
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200616D1_1

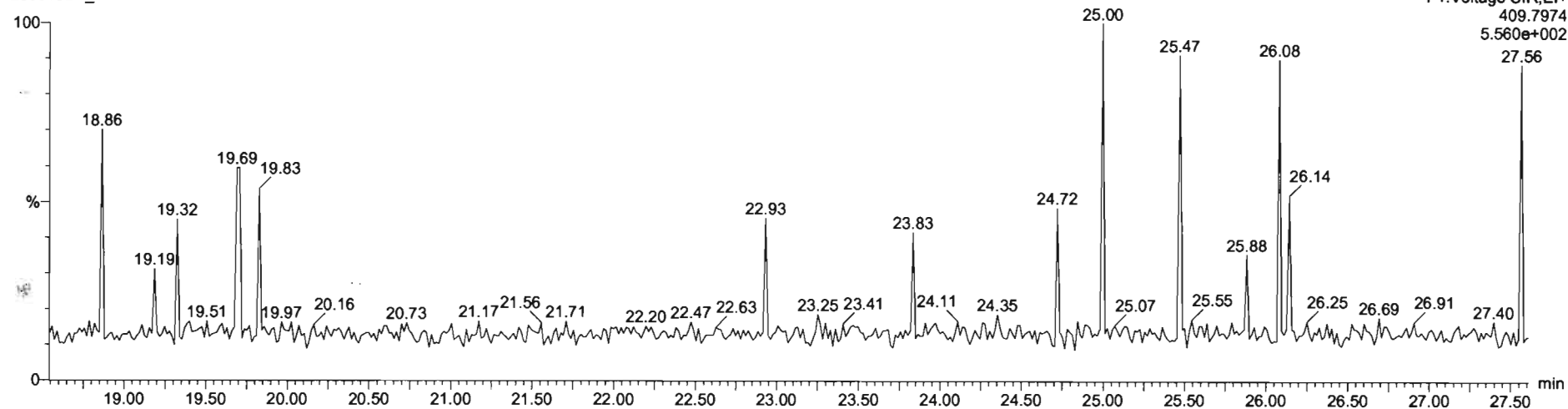


200616D1_1



DPE6

200616D1_1



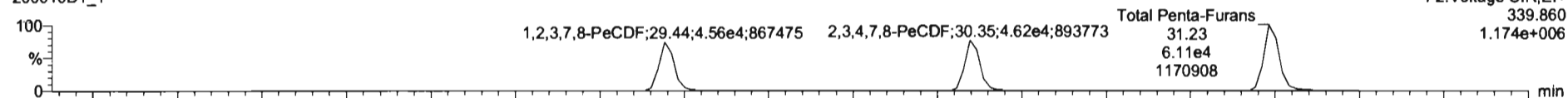
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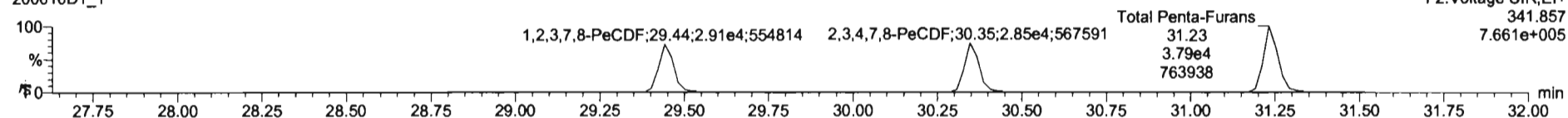
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1,2,3,7,8-PeCDF

200616D1_1



200616D1_1

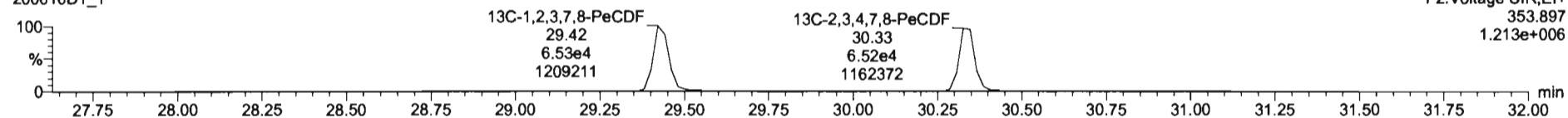


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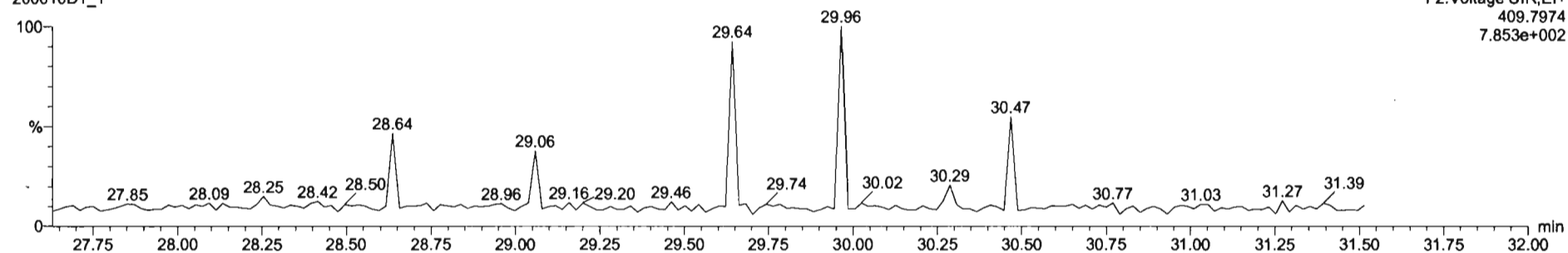


200616D1_1



DPE2

200616D1_1

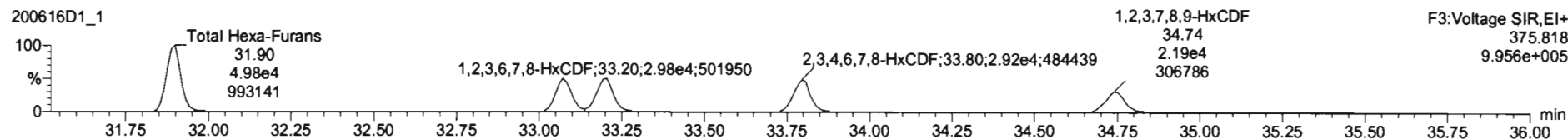
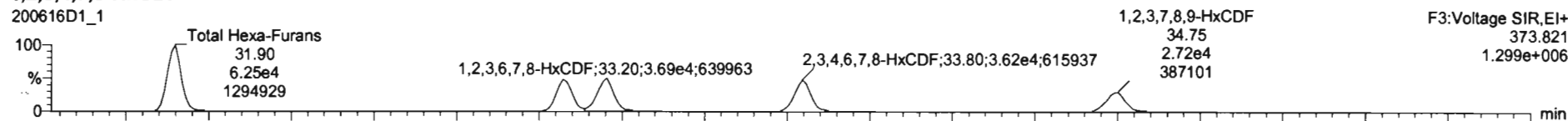


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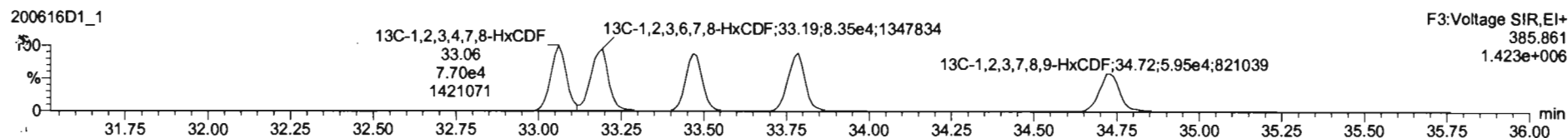
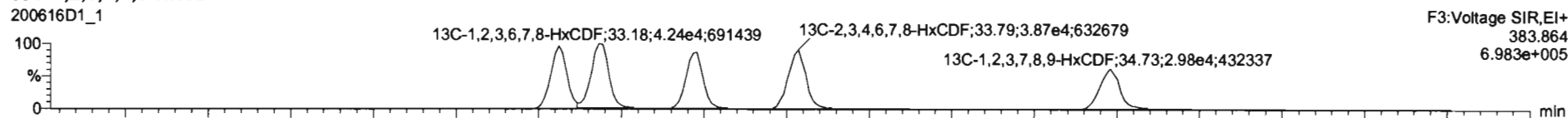
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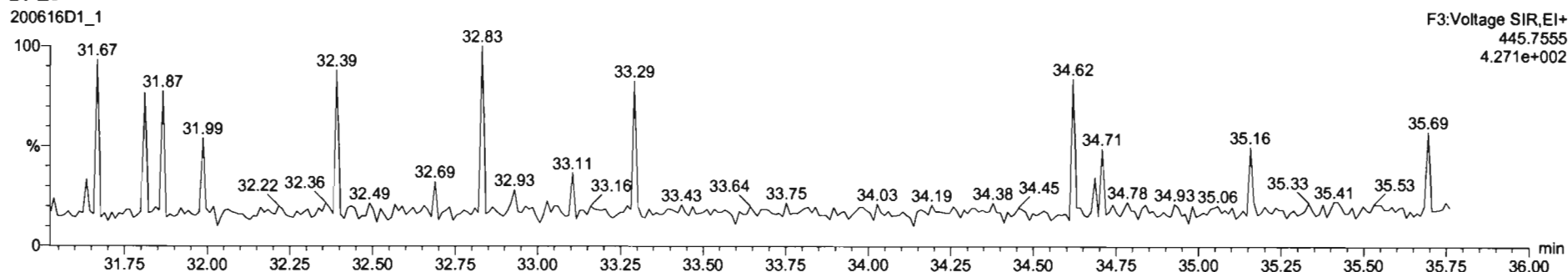
1,2,3,4,7,8-HxCDF



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



DPE3



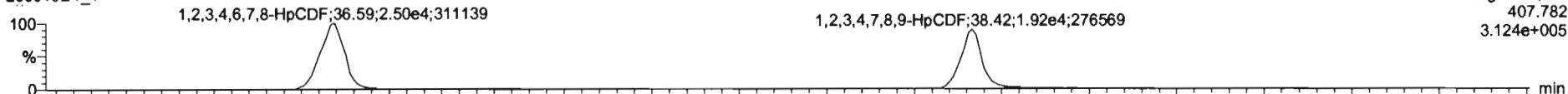
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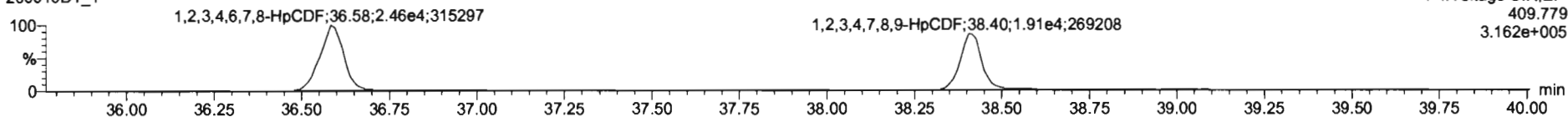
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1,2,3,4,6,7,8-HpCDF

200616D1_1

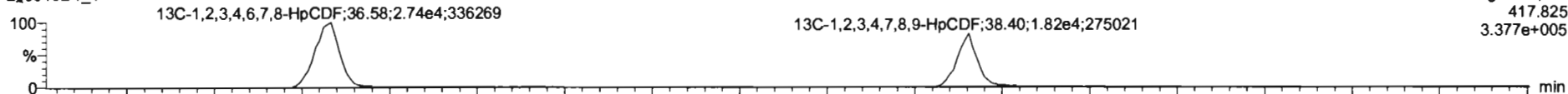


200616D1_1

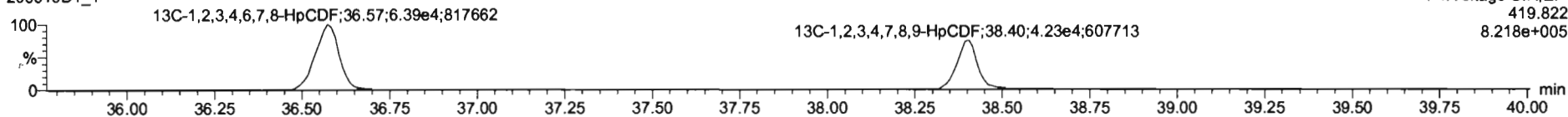


13C-1,2,3,4,6,7,8-HpCDF

200616D1_1

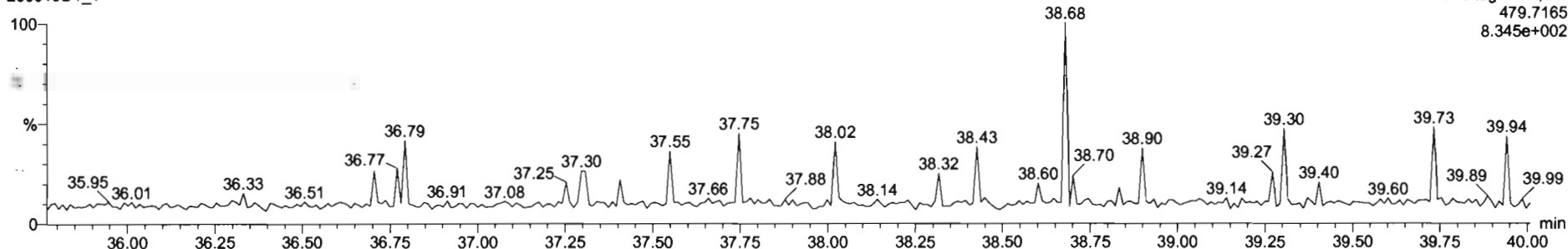


200616D1_1



DPE4

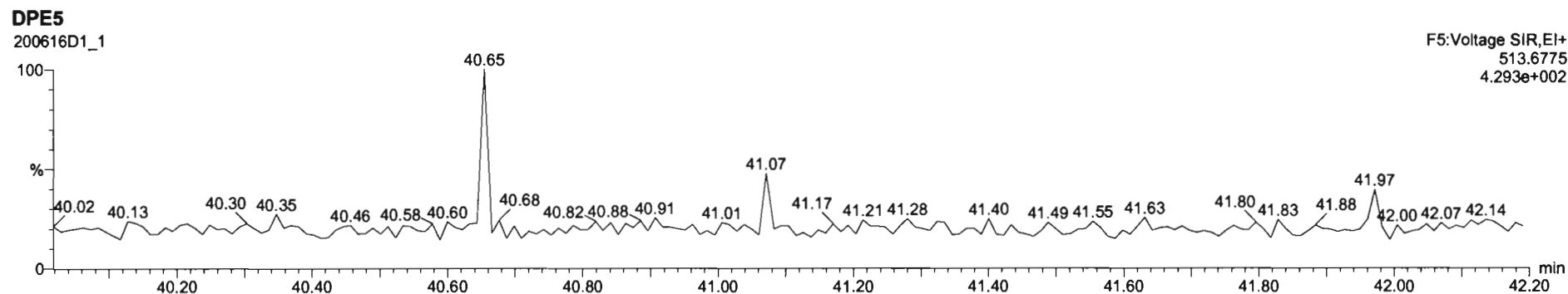
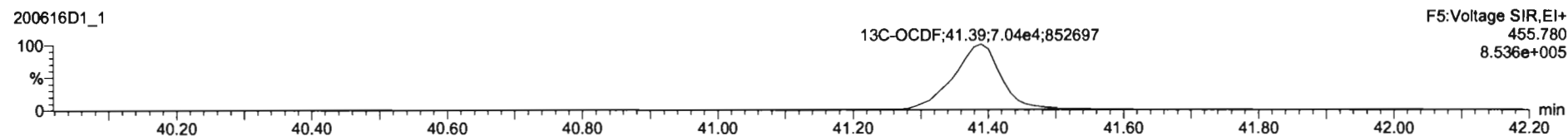
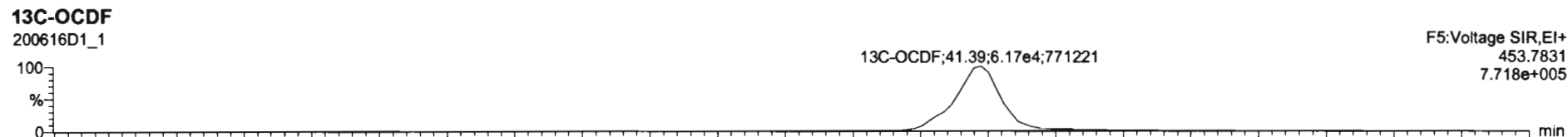
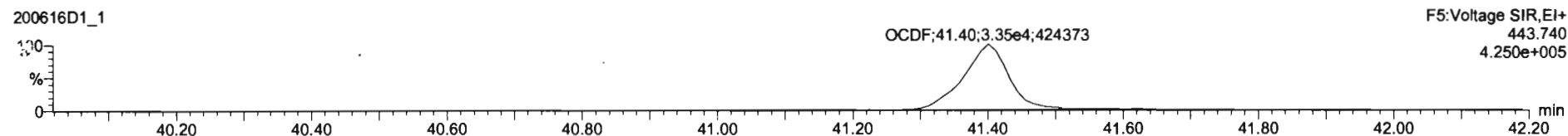
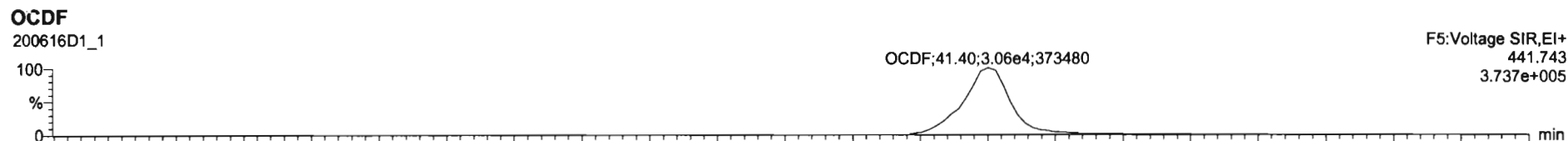
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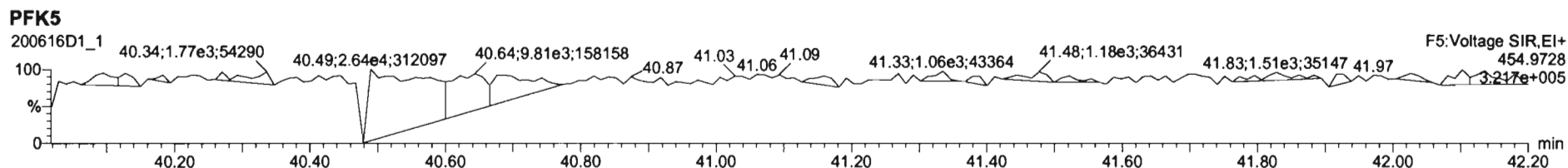
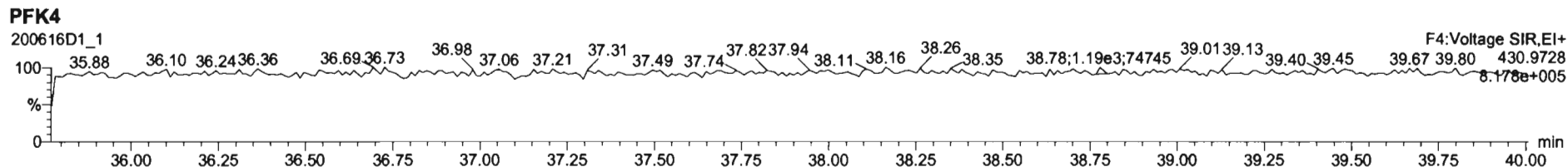
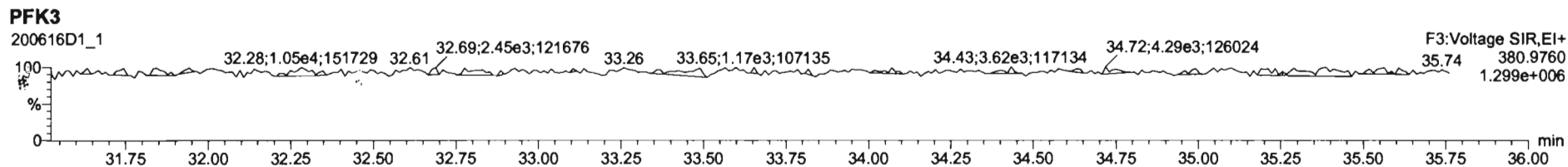
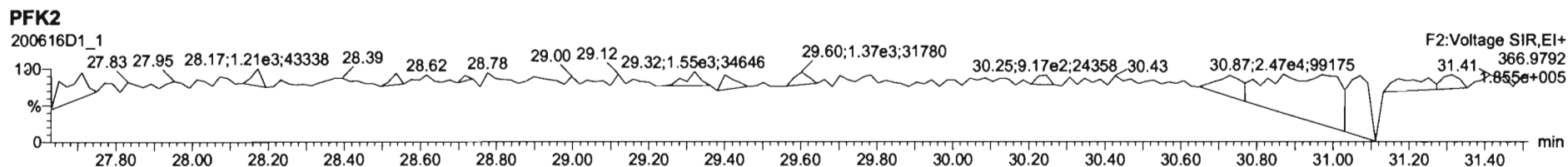
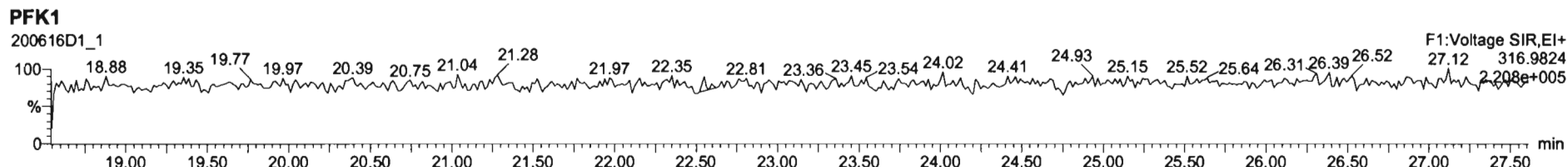
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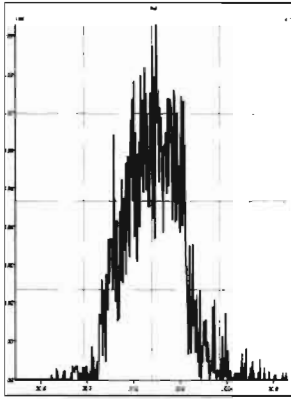
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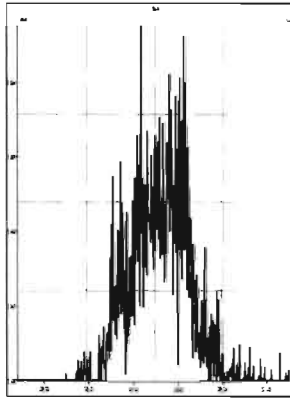
Name: 200616D1_1, Date: 16-Jun-2020, Time: 12:52:26, ID: ST200616D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305



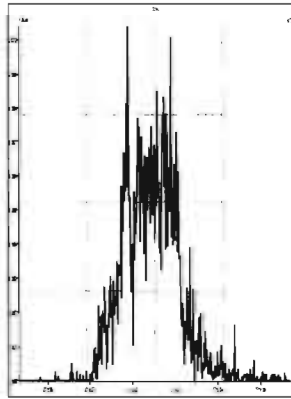
M 292.9824 R 14241



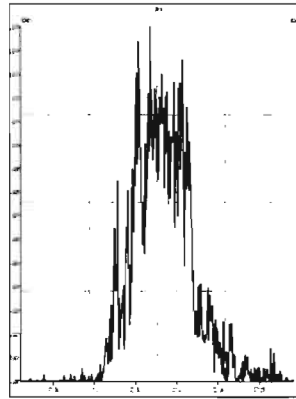
M 304.9824 R 15708



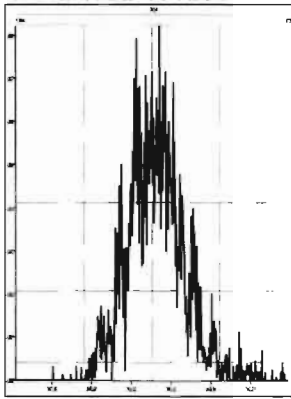
M 318.9792 R 14245



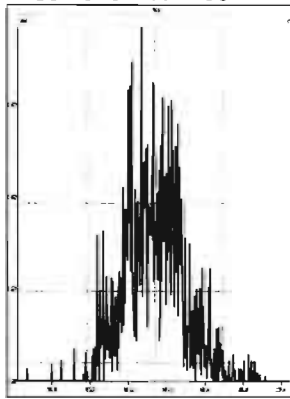
M 330.9792 R 13497



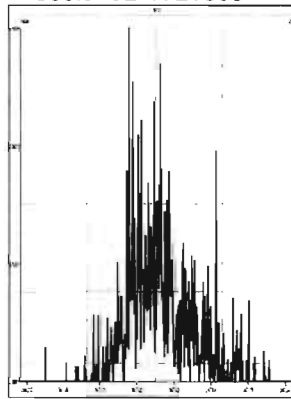
M 342.9792 R 13652



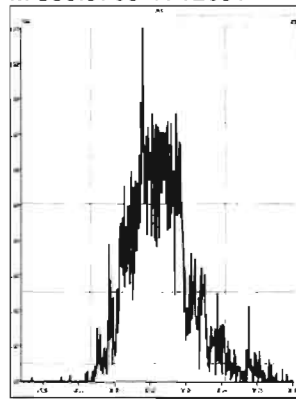
M 354.9792 R 17067



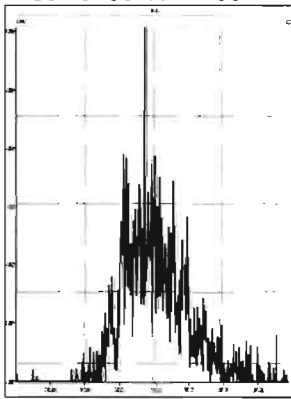
M 366.9792 R 21869



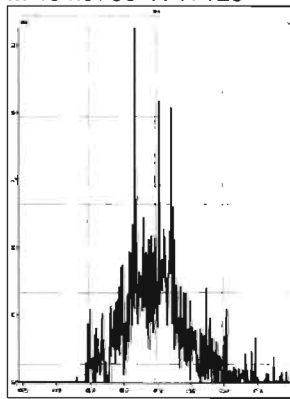
M 380.9760 R 12691



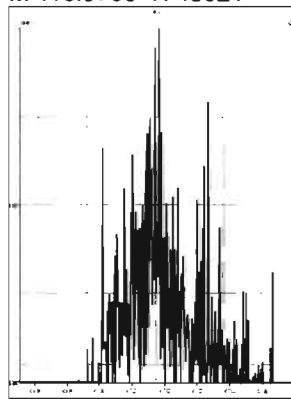
M 392.9760 R 14166



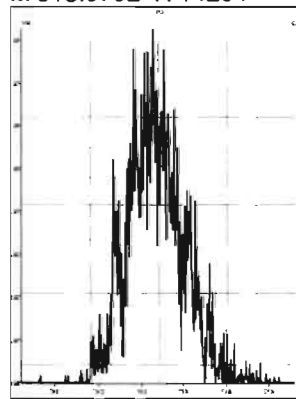
M 404.9760 R 17125



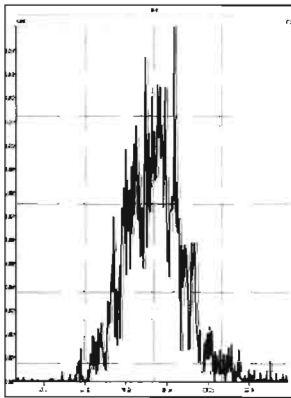
M 416.9760 R 43021



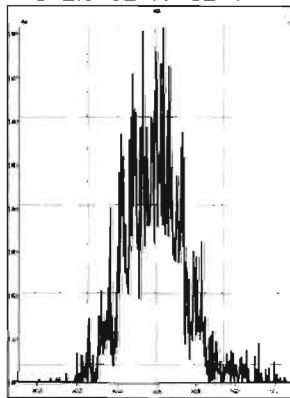
M 318.9792 R 14204



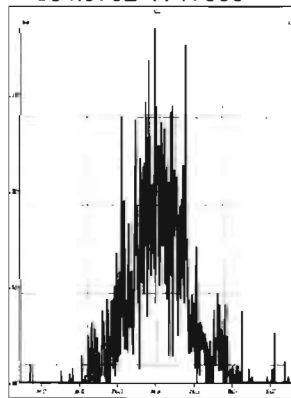
M 330.9792 R 13973



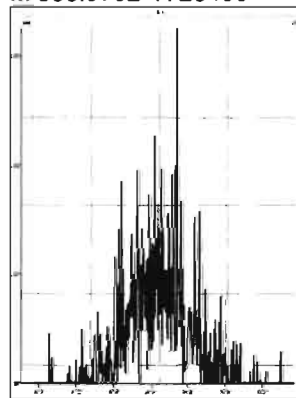
M 342.9792 R 13241



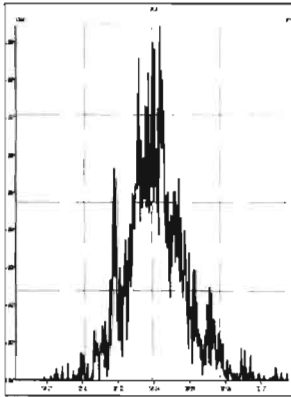
M 354.9792 R 17858



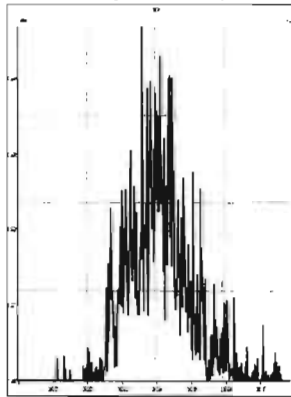
M 366.9792 R 26400



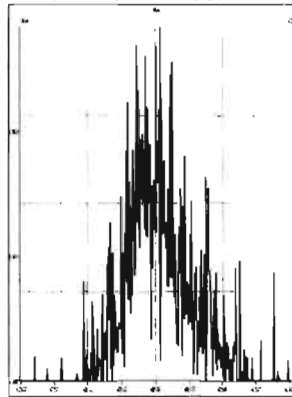
M 380.9760 R 14619



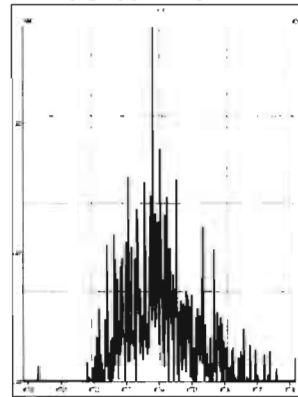
M 392.9760 R 13750



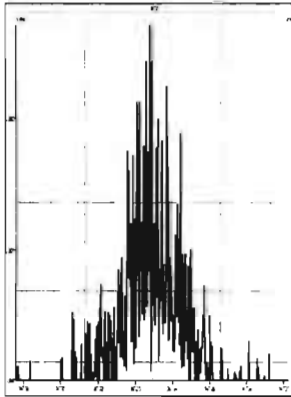
M 404.9760 R 16021



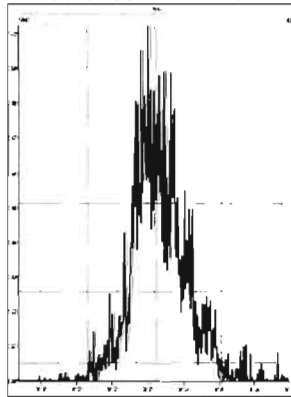
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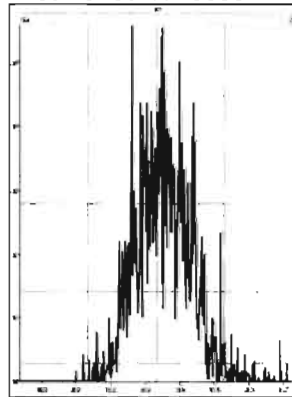
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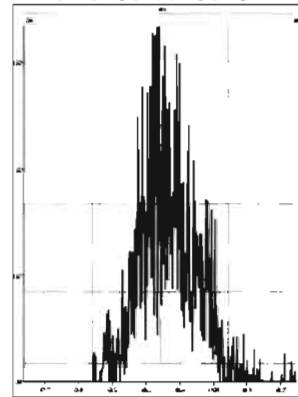
M 380.9760 R 11473



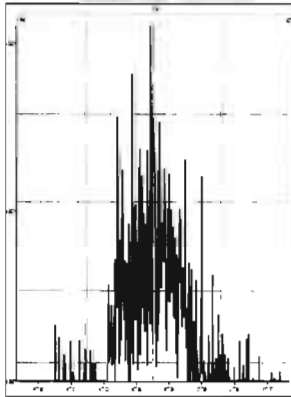
M 392.9760 R 15838



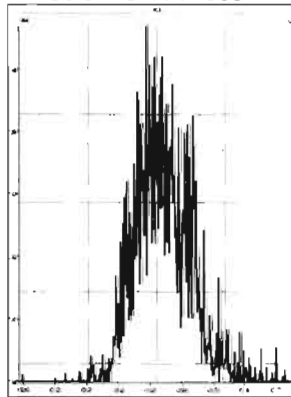
M 404.9760 R 15016



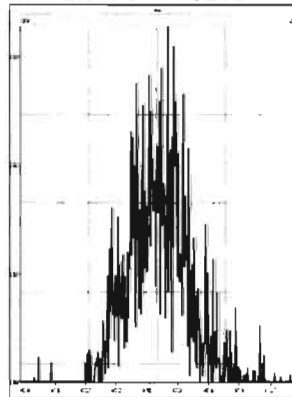
M 416.9760 R 23811



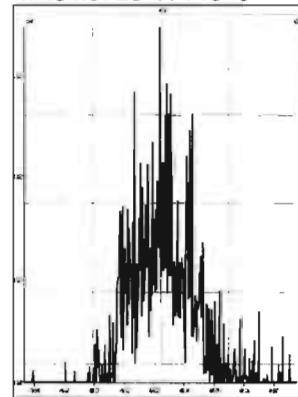
M 430.9728 R 14369



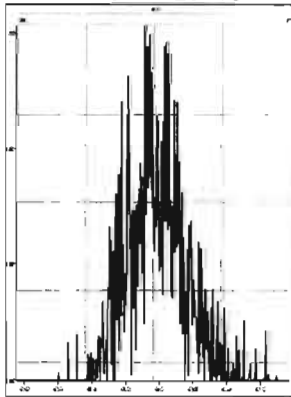
M 442.9728 R 15218



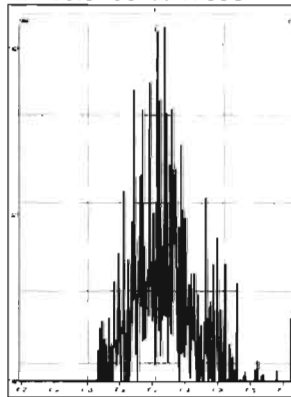
M 454.9728 R 14546



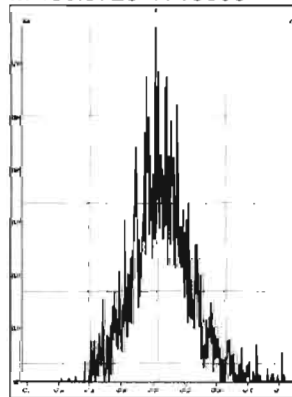
M 404.9760 R 20416



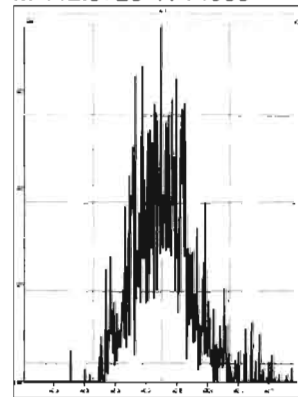
M 416.9760 R 47696



M 430.9728 R 13006

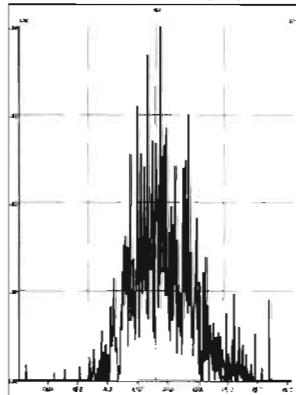


M 442.9728 R 14933

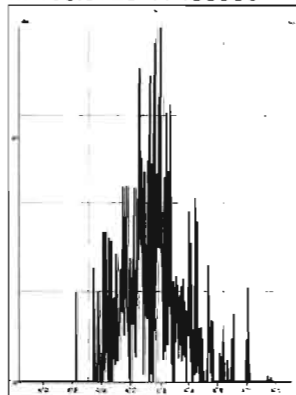


Printed: Wednesday, June 17, 2020 01:03:04 Pacific Daylight Time

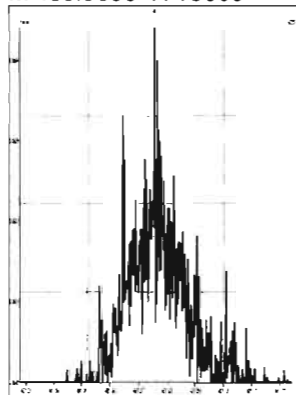
M 454.9728 R 18926



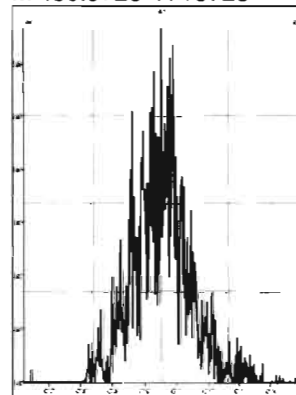
M 466.9728 R 438986



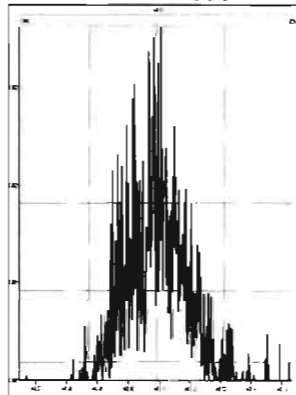
M 480.9696 R 15609



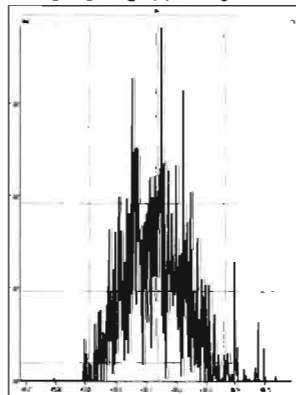
M 430.9728 R 13728



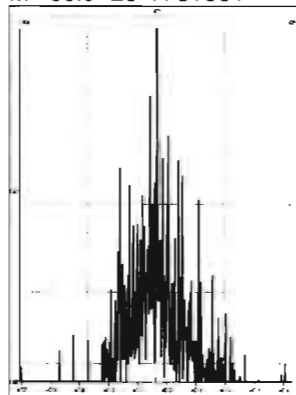
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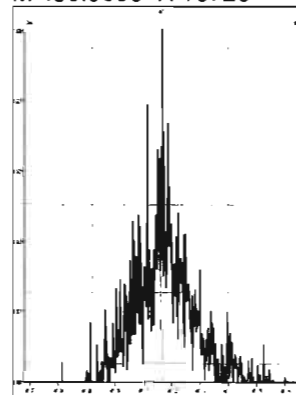
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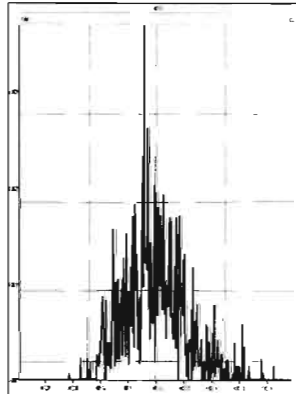
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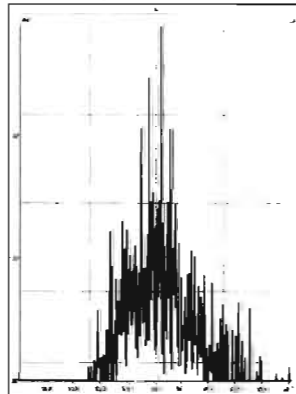
M 480.9696 R 16726



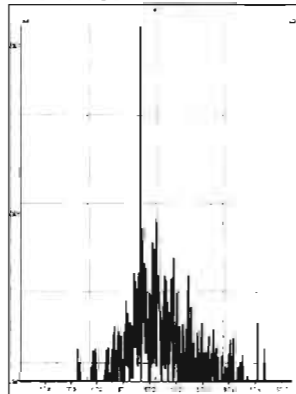
M 492.9696 R 17874



M 504.9696 R 21357



M 516.9697 R 0



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

11
Beg. Calibration ID: ST200623DZ-1

Reviewed By: CT 06/24/2020
Initials & Date

End Calibration ID: NA

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

	<u>Beg.</u>	<u>End</u>
Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
GC Break <20%		<input type="checkbox"/> NA
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA

Comments:

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Last Altered: Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 10:31:12 Pacific Daylight Time

DB 6/24/20 CM 06/24/2020

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

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	5.18e3	0.78	NO	0.986	1.000	26.082	26.08	1.001	1.001	9.0592	90.6 <i>78-129</i>	0.226	9.06
2	2 1,2,3,7,8-PeCDD	1.87e4	0.63	NO	0.964	1.000	30.630	30.63	1.001	1.001	45.716	91.4 <i>78-130</i>	0.309	45.7
3	3 1,2,3,4,7,8-HxCDD	1.69e4	1.31	NO	1.16	1.000	33.916	33.93	1.000	1.001	46.645	93.3 <i>78-128</i>	0.485	46.6
4	4 1,2,3,6,7,8-HxCDD	1.75e4	1.20	NO	1.01	1.000	34.016	34.03	1.000	1.000	42.919	85.8 <i>78-128</i>	0.464	42.9
5	5 1,2,3,7,8,9-HxCDD	1.60e4	1.26	NO	1.01	1.000	34.346	34.32	1.001	1.000	44.550	89.1 <i>82-122</i>	0.580	44.6
6	6 1,2,3,4,6,7,8-HpCDD	1.31e4	1.03	NO	0.997	1.000	37.802	37.80	1.000	1.000	44.888	89.8 <i>86-116</i>	0.823	44.9
7	7 OCDD	2.38e4	0.90	NO	1.01	1.000	41.038	41.05	1.000	1.000	90.978	91.0 <i>79-126</i>	0.825	91.0
8	8 2,3,7,8-TCDF	6.68e3	0.81	NO	0.833	1.000	25.281	25.27	1.001	1.001	9.1543	91.5 <i>84-120</i>	0.208	9.15
9	9 1,2,3,7,8-PeCDF	3.08e4	1.60	NO	0.965	1.000	29.442	29.44	1.001	1.001	47.088	94.2 <i>82-120</i>	0.277	47.1
10	10 2,3,4,7,8-PeCDF	3.04e4	1.60	NO	1.01	1.000	30.357	30.33	1.001	1.000	46.621	93.2 <i>82-120</i>	0.271	46.6
11	11 1,2,3,4,7,8-HxCDF	2.48e4	1.28	NO	1.09	1.000	33.028	33.04	1.000	1.000	49.810	99.6 <i>90-112</i>	0.420	49.8
12	12 1,2,3,6,7,8-HxCDF	2.73e4	1.32	NO	1.07	1.000	33.159	33.17	1.000	1.001	48.809	97.6 <i>88-114</i>	0.361	48.8
13	13 2,3,4,6,7,8-HxCDF	2.50e4	1.26	NO	1.15	1.000	33.775	33.75	1.001	1.000	47.348	94.7 <i>88-114</i>	0.443	47.3
14	14 1,2,3,7,8,9-HxCDF	1.98e4	1.28	NO	1.11	1.000	34.685	34.70	1.000	1.000	47.985	96.0 <i>90-112</i>	0.645	48.0
15	15 1,2,3,4,6,7,8-HpCDF	2.04e4	1.03	NO	1.16	1.000	36.554	36.53	1.001	1.000	46.494	93.0 <i>90-110</i>	0.576	46.5
16	16 1,2,3,4,7,8,9-HpCDF	1.69e4	1.04	NO	1.35	1.000	38.328	38.34	1.000	1.000	49.184	98.4 <i>86-116</i>	0.694	49.2
17	17 OCDF	2.92e4	0.86	NO	0.949	1.000	41.247	41.27	1.000	1.001	97.560	97.6 <i>63-159</i>	0.658	97.6
18	18 13C-2,3,7,8-TCDD	5.80e4	0.79	NO	1.26	1.000	26.147	26.05	1.026	1.022	94.755	94.8 <i>82-121</i>	1.35	
19	19 13C-1,2,3,7,8-PeCDD	4.25e4	0.62	NO	0.921	1.000	30.633	30.61	1.202	1.201	94.878	94.9 <i>62-160</i>	0.444	
20	20 13C-1,2,3,4,7,8-HxCDD	3.12e4	1.38	NO	0.707	1.000	33.902	33.91	1.014	1.014	98.710	98.7 <i>85-117</i>	0.890	
21	21 13C-1,2,3,6,7,8-HxCDD	4.06e4	1.32	NO	0.829	1.000	34.013	34.02	1.017	1.017	109.72	110 <i>85-118</i>	0.760	
22	22 13C-1,2,3,7,8,9-HxCDD	3.57e4	1.18	NO	0.808	1.000	34.283	34.31	1.025	1.026	98.873	98.9 <i>85-118</i>	0.779	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.92e4	1.07	NO	0.662	1.000	37.747	37.79	1.129	1.130	98.942	98.9 <i>72-138</i>	1.44	
24	24 13C-OCDD	5.16e4	0.91	NO	0.608	1.000	40.770	41.04	1.219	1.227	190.18	95.1 <i>48-207</i>	1.02	
25	25 13C-2,3,7,8-TCDF	8.76e4	0.77	NO	1.07	1.000	25.230	25.26	0.990	0.991	101.68	102 <i>71-140</i>	1.01	
26	26 13C-1,2,3,7,8-PeCDF	6.79e4	1.67	NO	0.826	1.000	29.453	29.42	1.156	1.154	101.81	102 <i>76-130</i>	0.946	
27	27 13C-2,3,4,7,8-PeCDF	6.45e4	1.63	NO	0.796	1.000	30.352	30.33	1.191	1.190	100.43	100 <i>77-130</i>	0.981	
28	28 13C-1,2,3,4,7,8-HxCDF	4.54e4	0.49	NO	1.08	1.000	33.033	33.03	0.988	0.988	94.574	94.6 <i>76-131</i>	0.864	
29	29 13C-1,2,3,6,7,8-HxCDF	5.24e4	0.48	NO	1.12	1.000	33.167	33.15	0.992	0.991	104.41	104 <i>70-143</i>	0.826	
30	30 13C-2,3,4,6,7,8-HxCDF	4.58e4	0.47	NO	1.02	1.000	33.738	33.74	1.009	1.009	100.11	100 <i>73-137</i>	0.907	
31	31 13C-1,2,3,7,8,9-HxCDF	3.70e4	0.52	NO	0.887	1.000	34.638	34.69	1.036	1.037	93.550	93.6 <i>74-135</i>	1.05	

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

Last Altered: Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 10:31:12 Pacific Daylight Time

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	3.78e4	0.44	NO	0.811	1.000	36.343	36.52	1.087	1.092	104.52	105 78-129	0.981	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.55e4	0.43	NO	0.598	1.000	38.349	38.33	1.147	1.146	95.545	95.5 77-129	1.33	
34	34 13C-OCDF	6.30e4	0.89	NO	0.752	1.000	40.923	41.25	1.224	1.234	187.72	93.0 48-207	0.909	
35	35 37Cl-2,3,7,8-TCDD	5.26e3			1.24	1.000	26.145	26.07	1.026	1.023	8.7030	87.0 79-127	0.145	
36	36 13C-1,2,3,4-TCDD	4.86e4	0.84	NO	1.00	1.000	25.480	25.48	1.000	1.000	100.00	100	1.70	
37	37 13C-1,2,3,4-TCDF	8.07e4	0.79	NO	1.00	1.000	24.020	24.02	1.000	1.000	100.00	100	1.07	
38	38 13C-1,2,3,4,6,9-HxCDF	4.46e4	0.50	NO	1.00	1.000	33.530	33.43	1.000	1.000	100.00	100	0.929	

Dataset: Untitled

Last Altered: Wednesday, June 24, 2020 10:33:04 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 10:33:22 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34

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

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.61
2	2 1,2,8,9-TCDD (Last)	26.94
3	3 1,2,4,7,9-PeCDD (First)	28.58
4	4 1,2,3,8,9-PeCDD (Last)	30.99
5	5 1,2,4,6,7,9-HxCDD (First)	32.40
6	6 1,2,3,7,8,9-HxCDD (Last)	34.32
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.93
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.80
9	9 1,3,6,8-TCDF (First)	20.44
10	10 1,2,8,9-TCDF (Last)	27.07
11	11 1,3,4,6,8-PeCDF (First)	27.04
12	12 1,2,3,8,9-PeCDF (Last)	31.21
13	13 1,2,3,4,6,8-HxCDF (First)	31.86
14	14 1,2,3,7,8,9-HxCDF (Last)	34.70
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.53
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.34

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, June 24, 2020 10:29:10 Pacific Daylight Time

Printed: Wednesday, June 24, 2020 10:29:27 Pacific Daylight Time

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

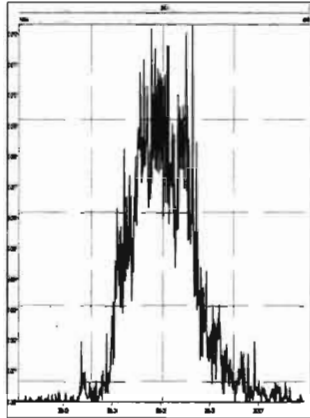
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

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

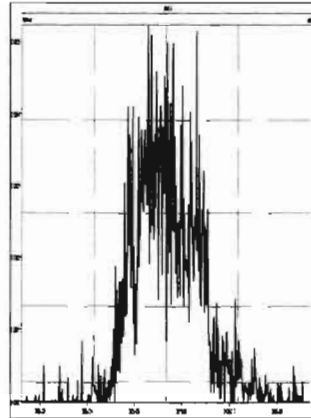
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1	200623D2_1	SOLVENT BLANK	23-Jun-20	21:25:21
2	200623D2_2	ST200623D2-1 1613 CS3 19L2305	23-Jun-20	22:10:32
3	200623D2_3	B0F0086-BS1 OPR 10	23-Jun-20	22:55:42
4	200623D2_4	SOLVENT BLANK	23-Jun-20	23:40:53
5	200623D2_5	B0F0086-BLK1 Method Blank 10	24-Jun-20	00:26:03
6	200623D2_6	B0F0086-DUP1 Duplicate 16.73	24-Jun-20	01:11:12
7	200623D2_7	2000996-02RE1 PDI-054SC-A-10-11.1-20042...	24-Jun-20	01:56:22
8	200623D2_8	2001007-04RE1 PDI-058SC-B-00-02-200505 ...	24-Jun-20	02:41:32
9	200623D2_9	2001007-05RE1 PDI-058SC-B-02-05-200505 ...	24-Jun-20	03:26:41
10	200623D2_10	2001007-06RE1 PDI-058SC-B-05-07-200505 ...	24-Jun-20	04:11:51

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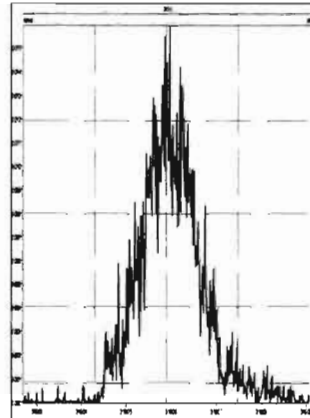
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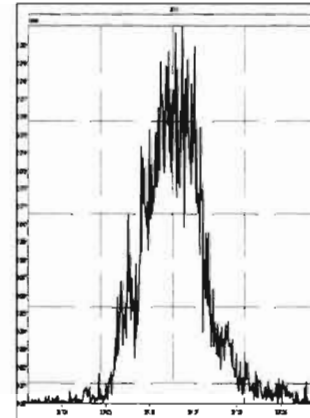
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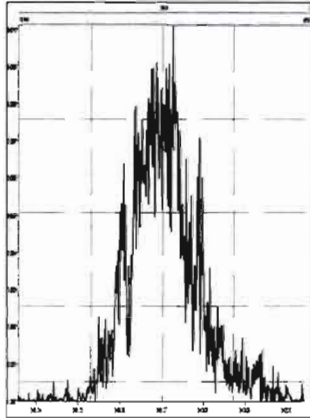
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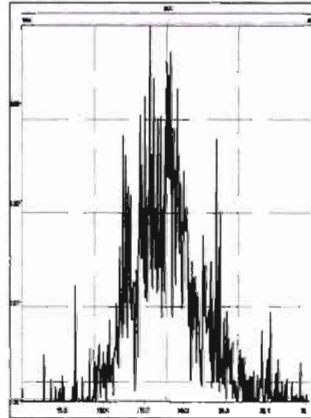
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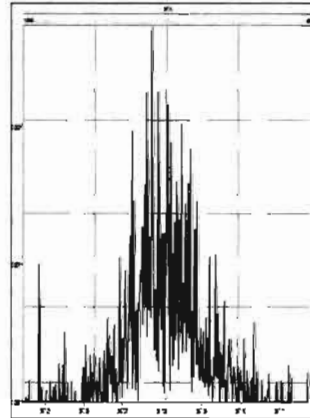
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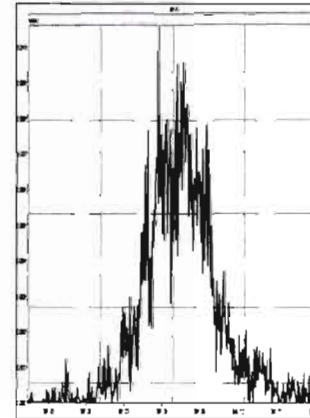
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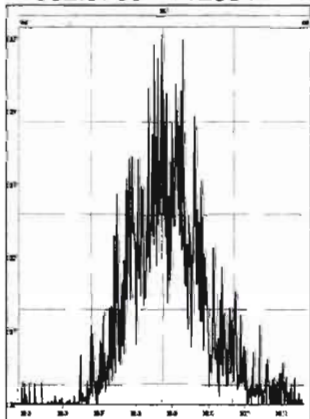
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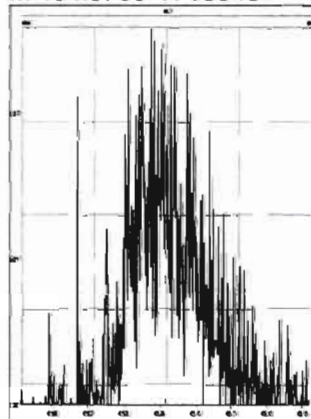
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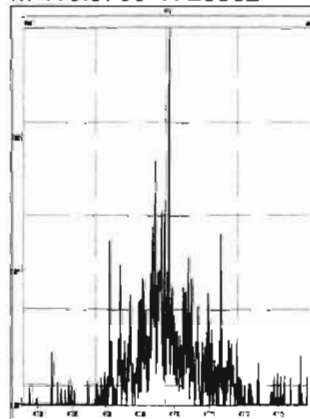
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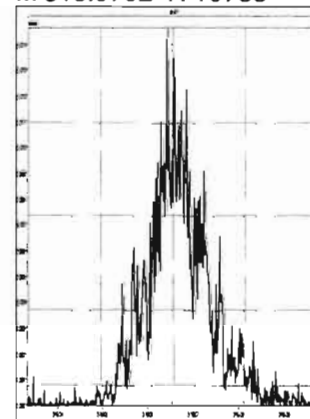
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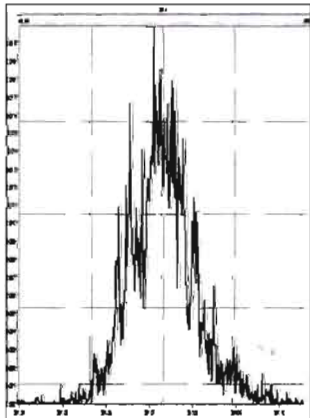
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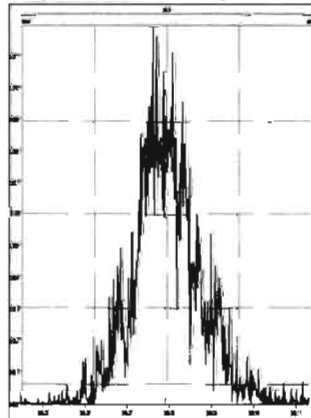
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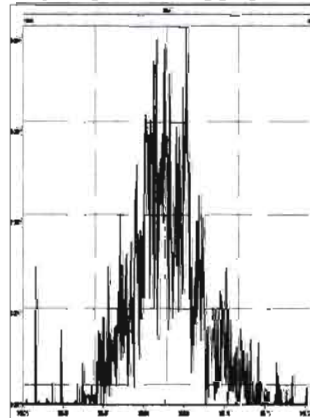
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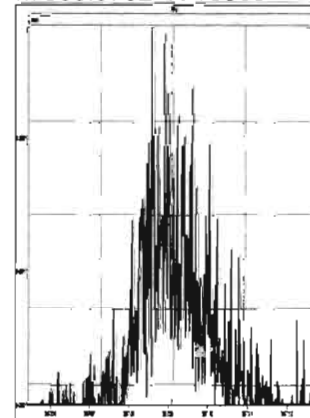
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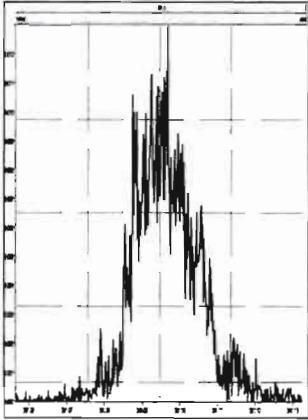


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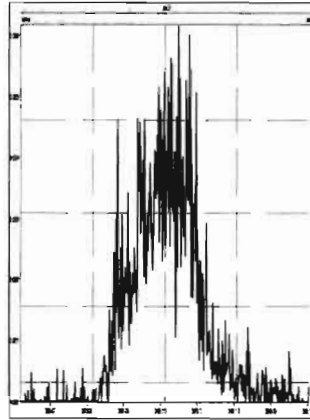


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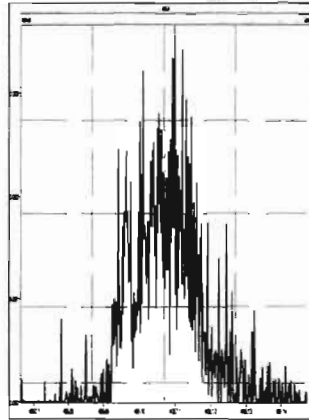
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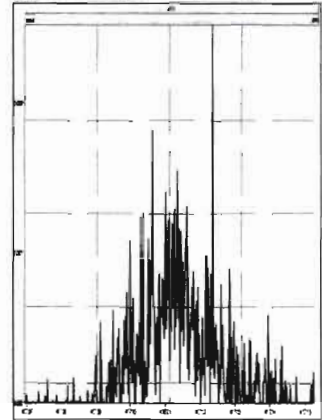
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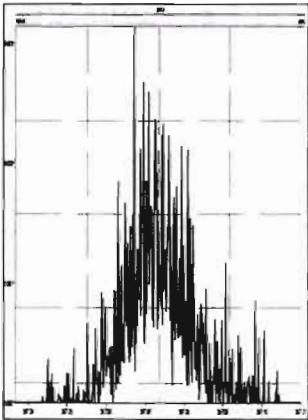
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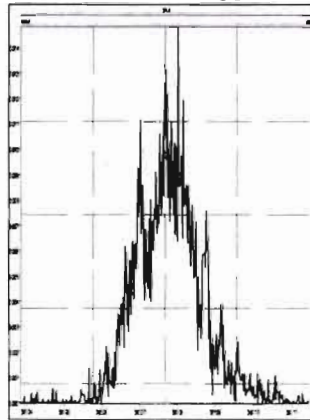
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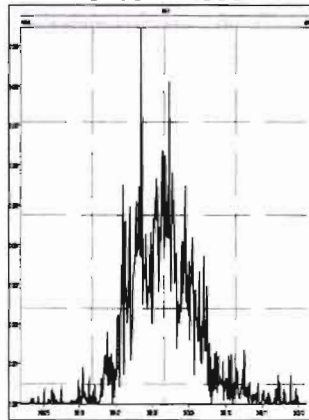
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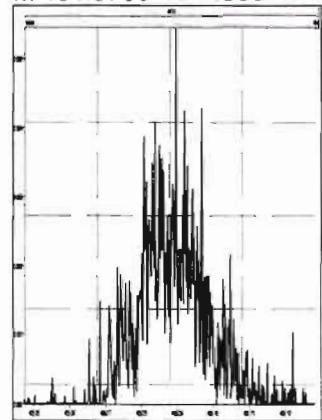
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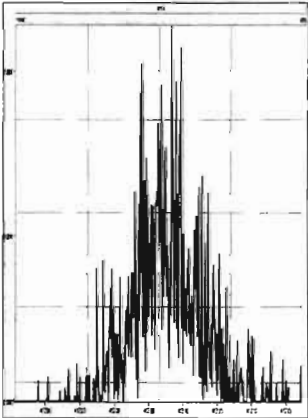
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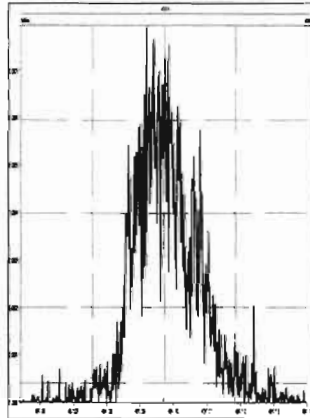
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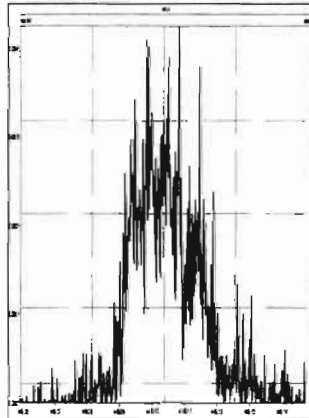
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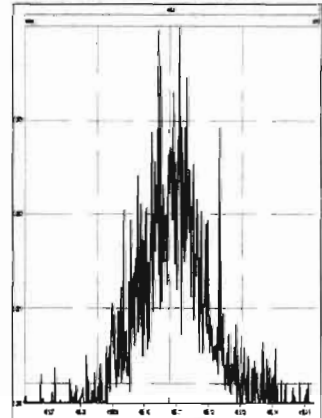
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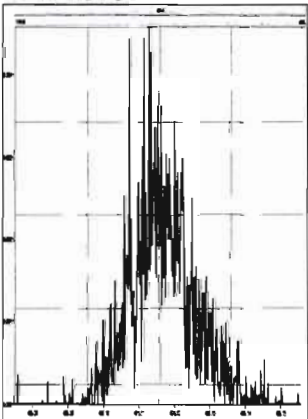
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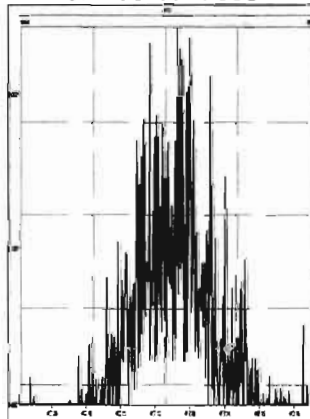
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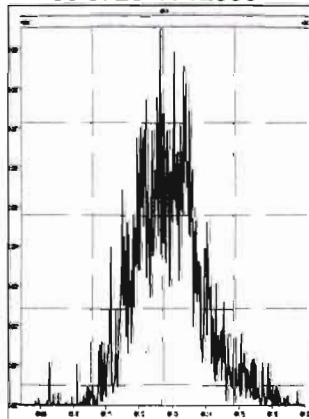
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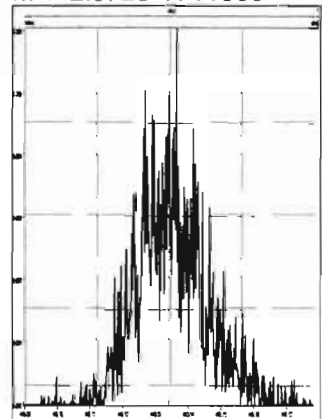
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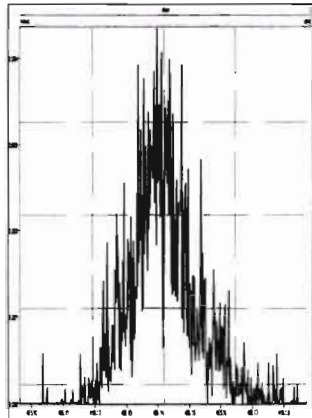


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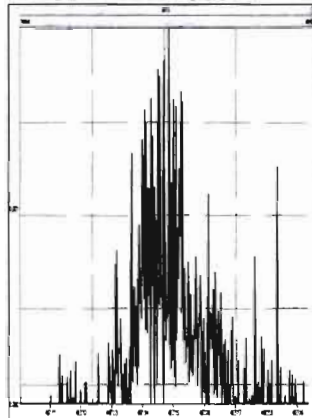


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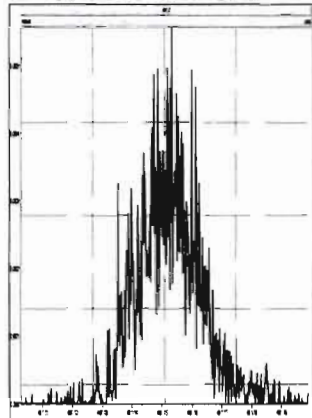
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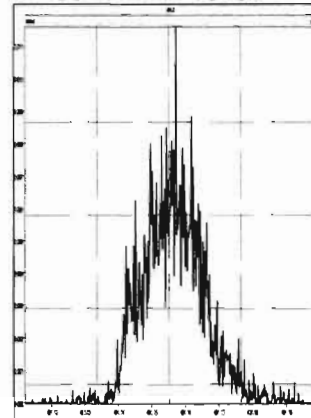
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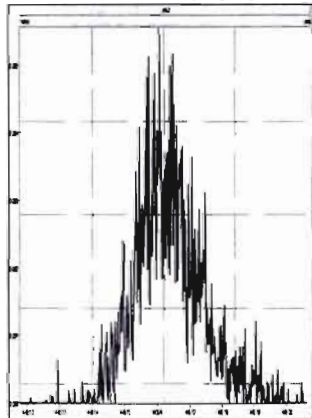
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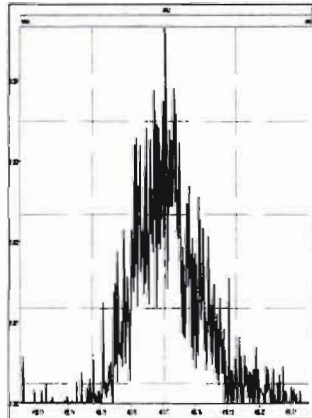
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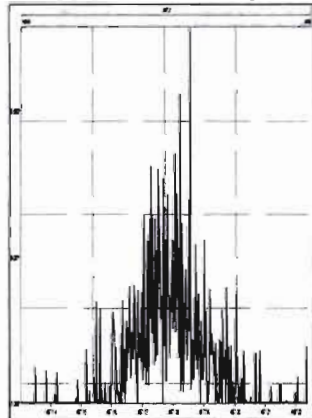
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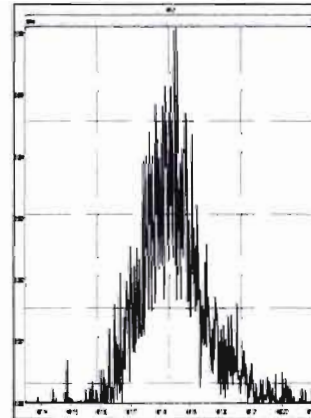
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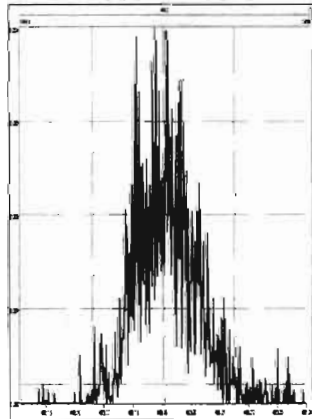
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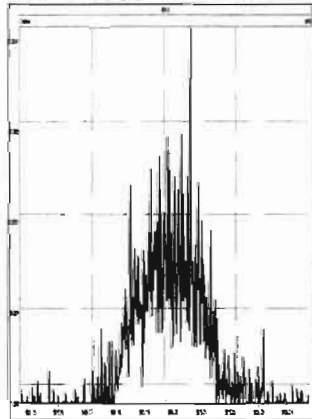
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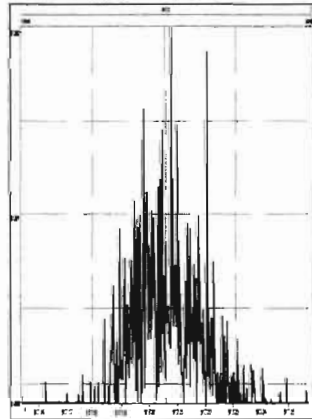
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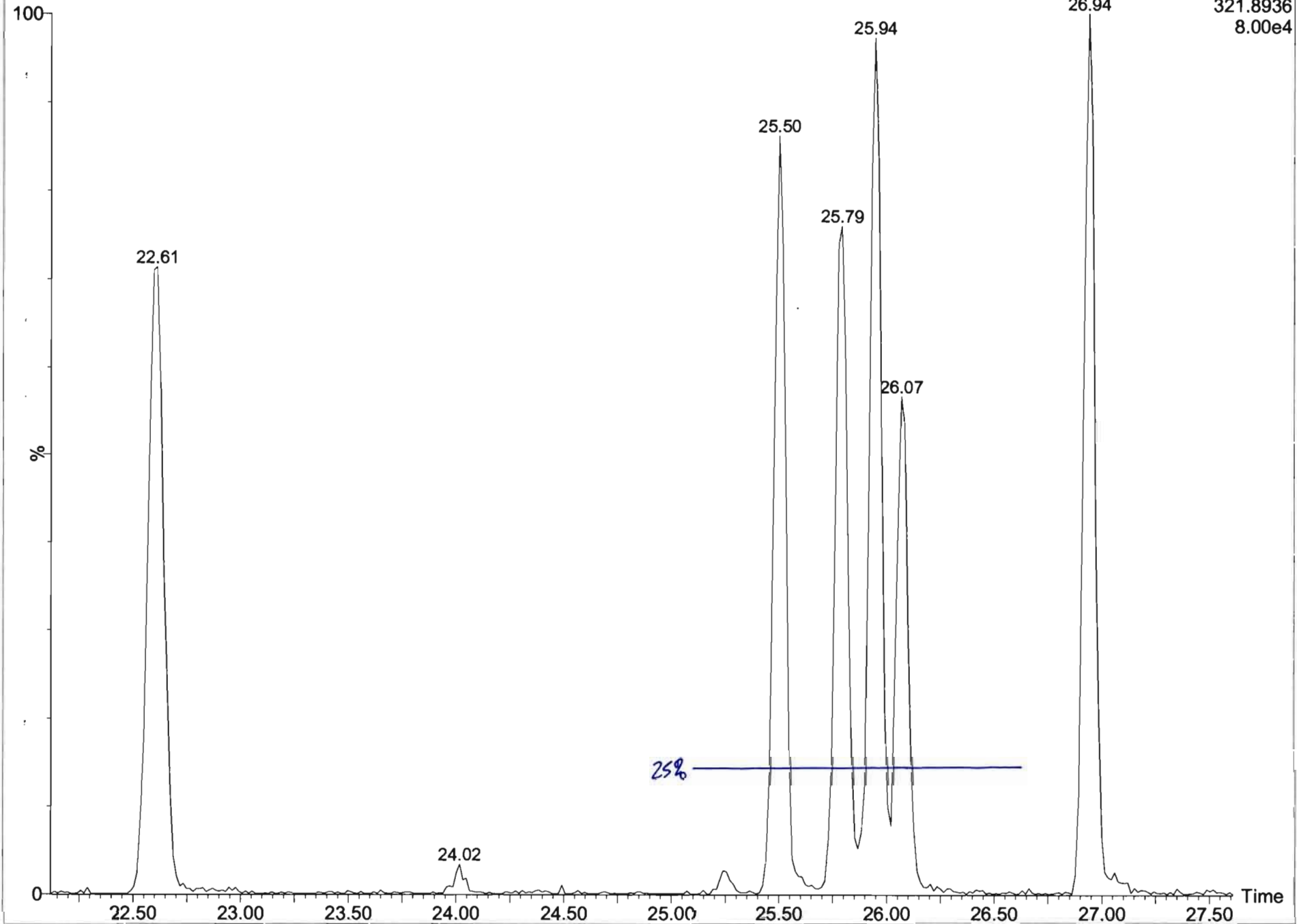


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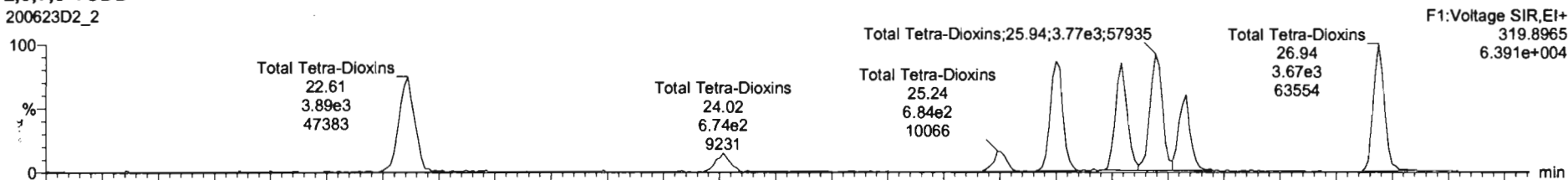
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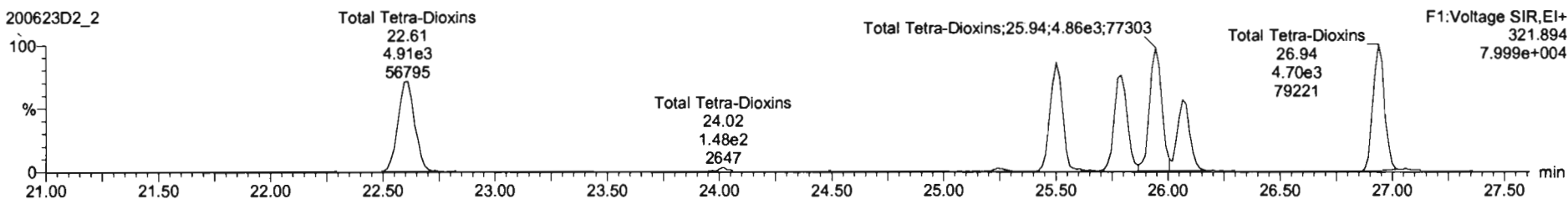
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Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

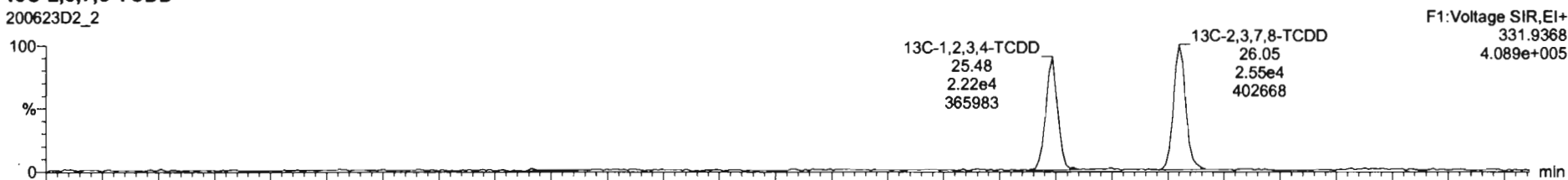
2,3,7,8-TCDD
200623D2_2



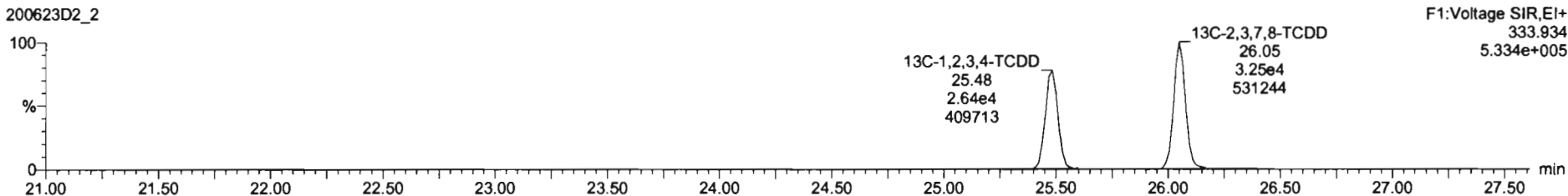
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13C-2,3,7,8-TCDD
200623D2_2



200623D2_2

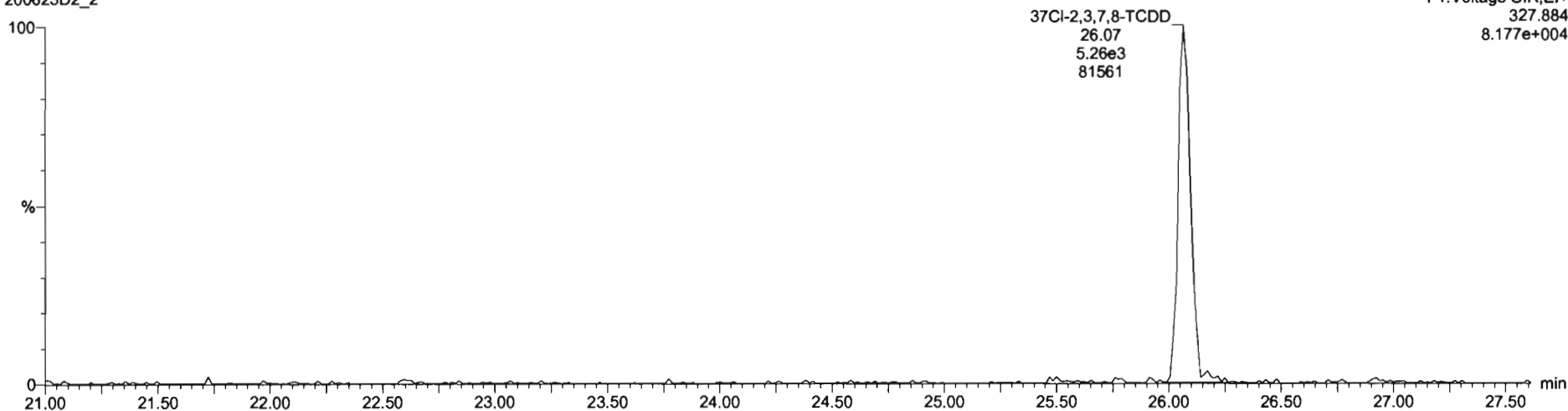


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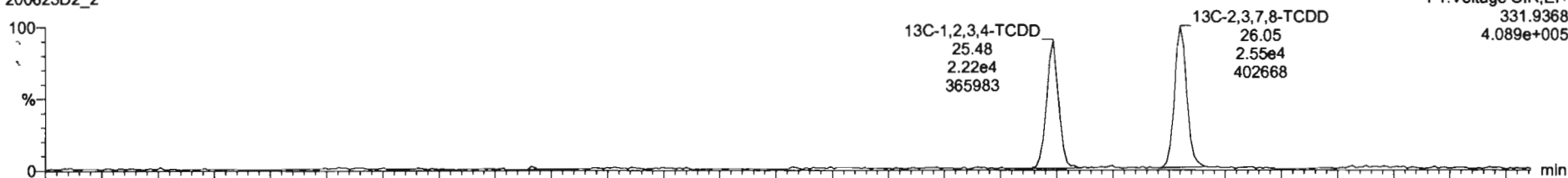
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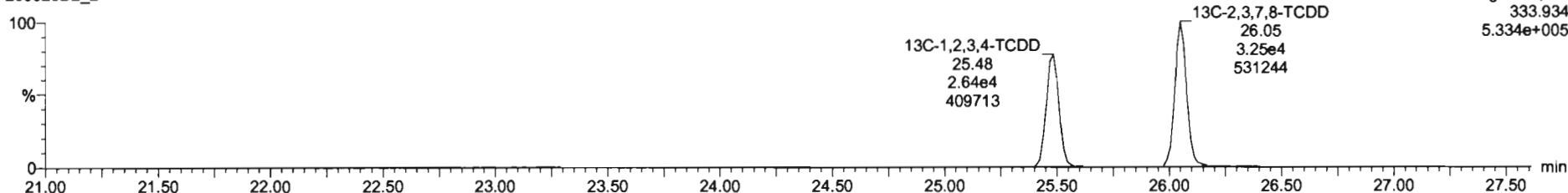
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200623D2_2



200623D2_2



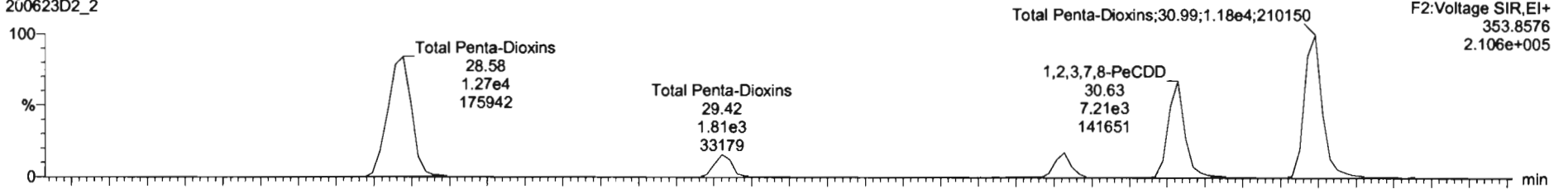
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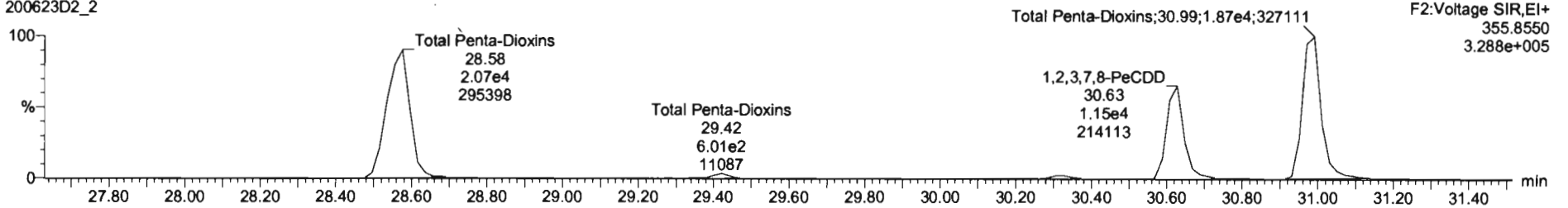
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1,2,3,7,8-PeCDD

200623D2_2

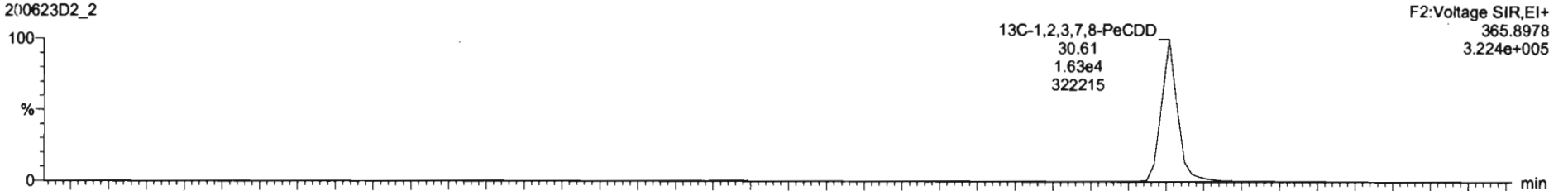


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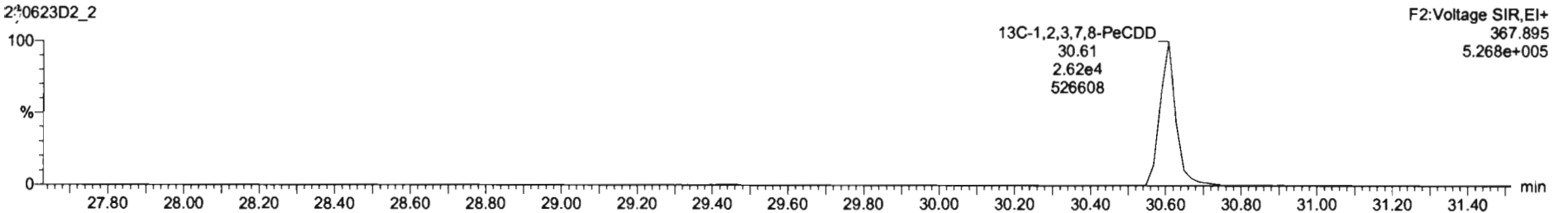


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200623D2_2



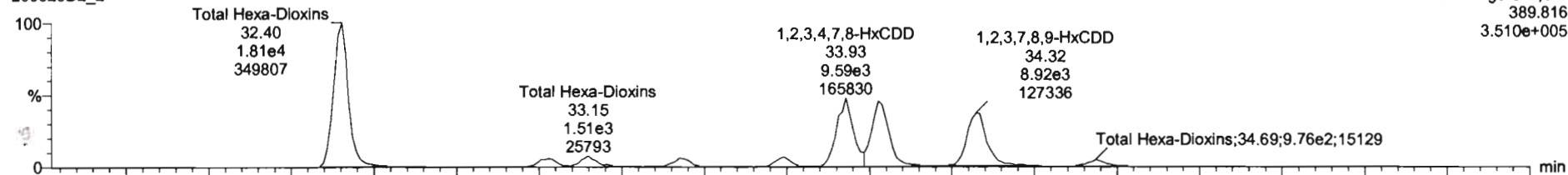
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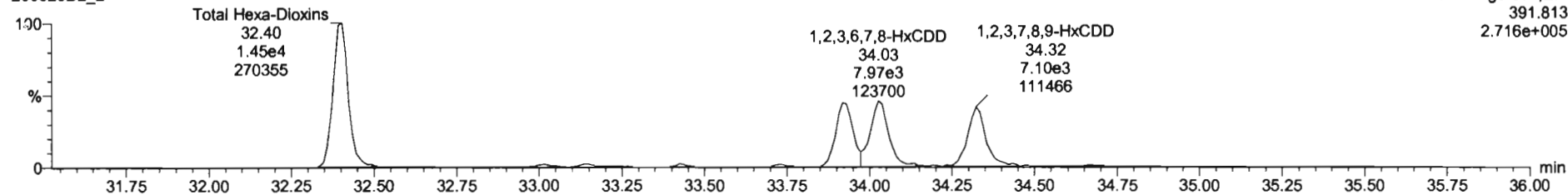
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1,2,3,4,7,8-HxCDD

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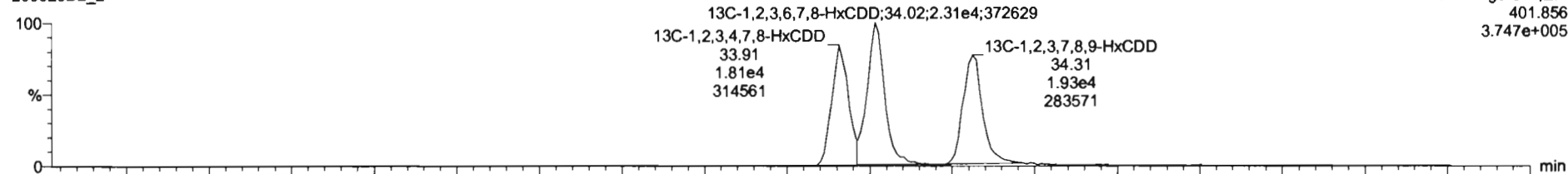


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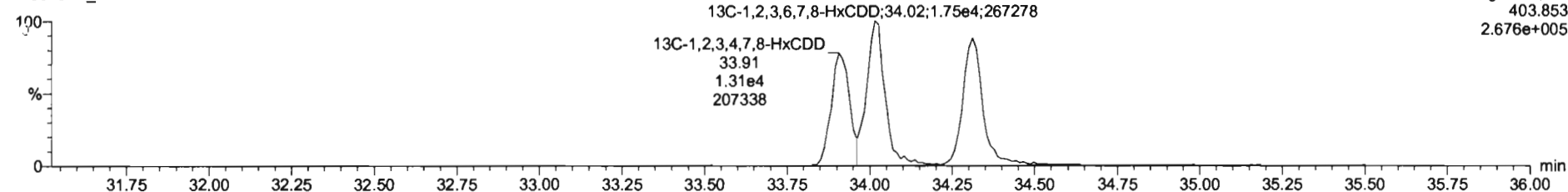


13C-1,2,3,4,7,8-HxCDD

200623D2_2



200623D2_2



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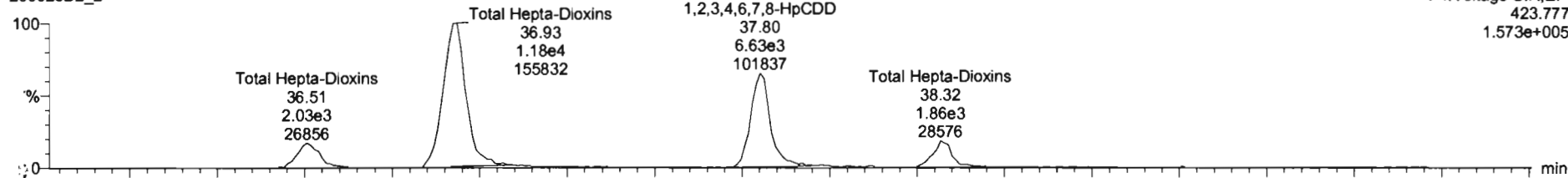
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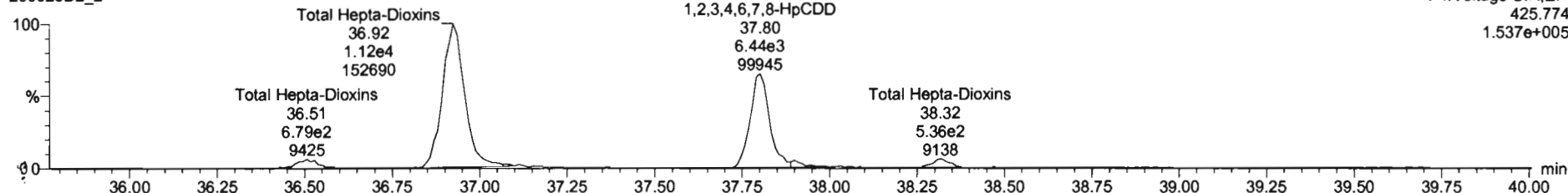
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1,2,3,4,6,7,8-HpCDD

200623D2_2

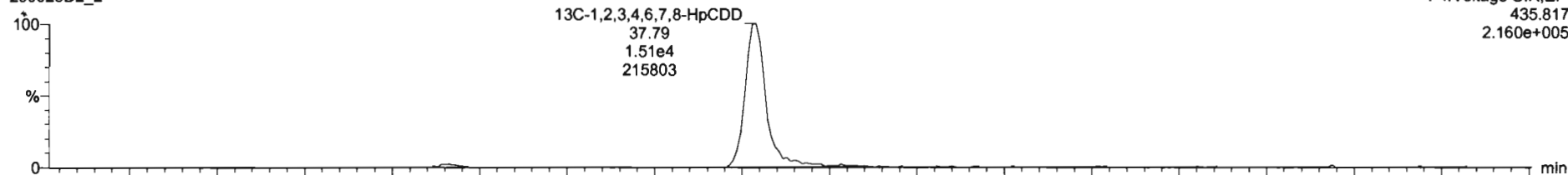


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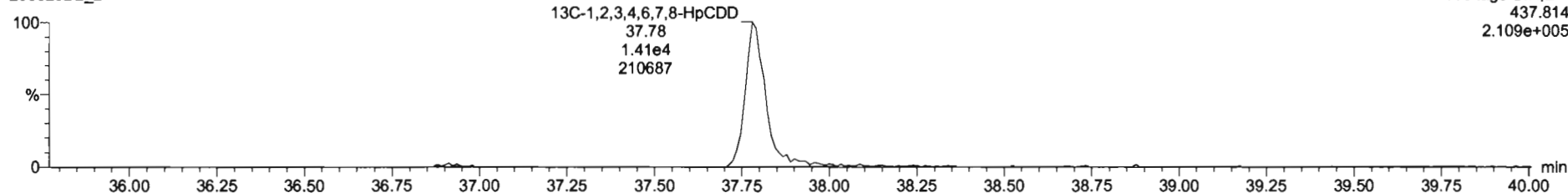


13C-1,2,3,4,6,7,8-HpCDD

200623D2_2



200623D2_2



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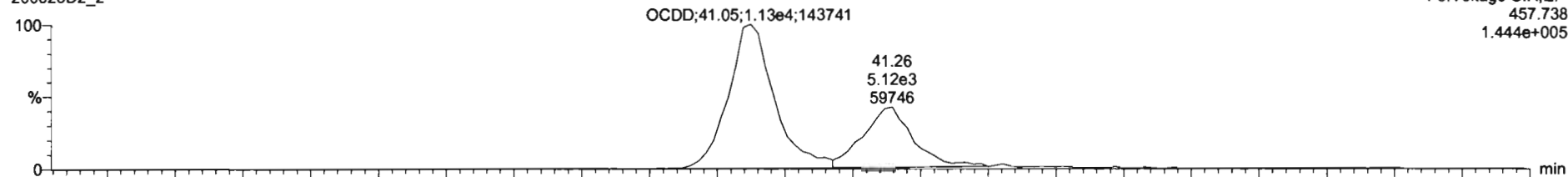
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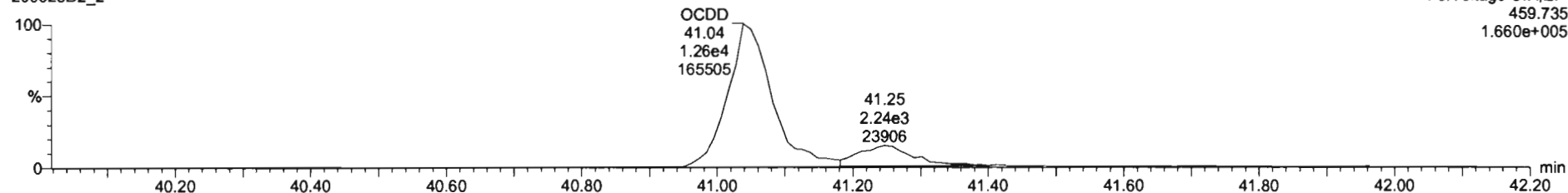
Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

OCDD

200623D2_2

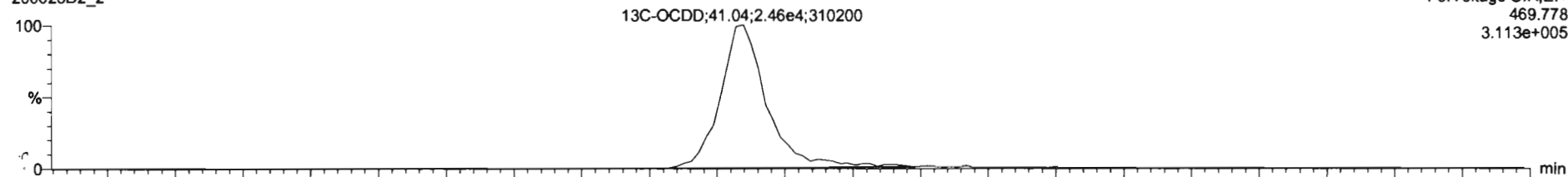


200623D2_2

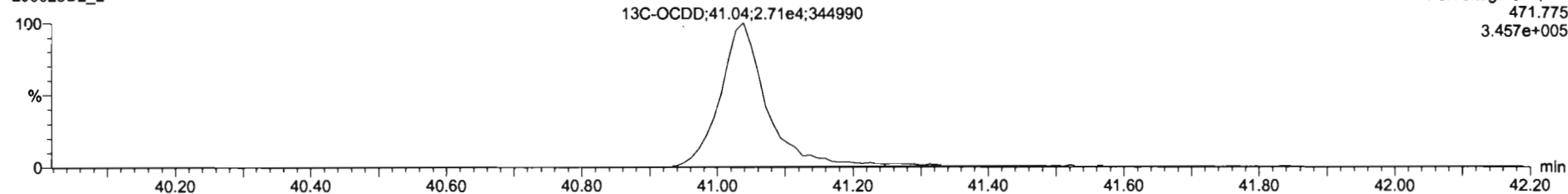


13C-OCDD

200623D2_2



200623D2_2



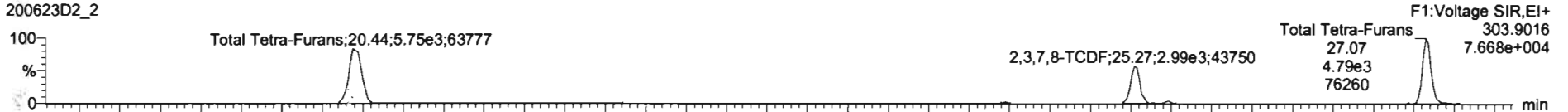
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Printed: Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

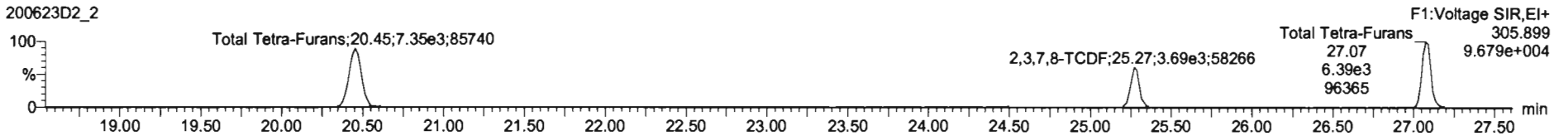
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2,3,7,8-TCDF

200623D2_2

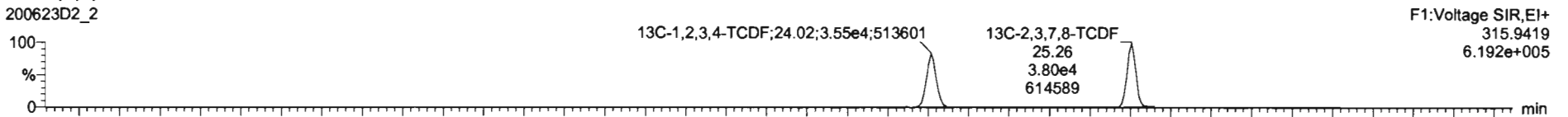


200623D2_2

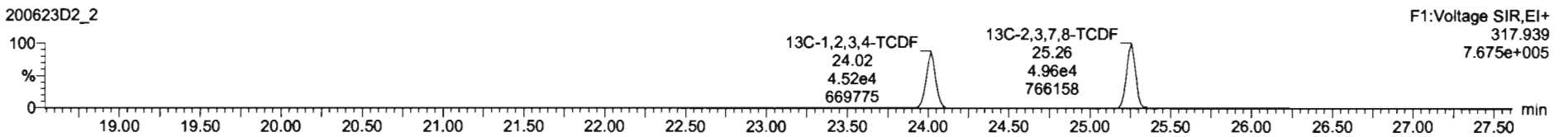


13C-2,3,7,8-TCDF

200623D2_2

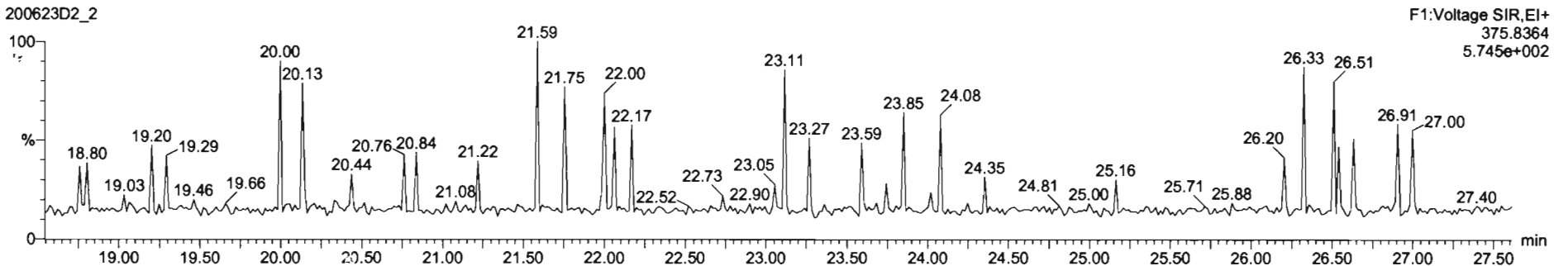


200623D2_2



DPE1

200623D2_2



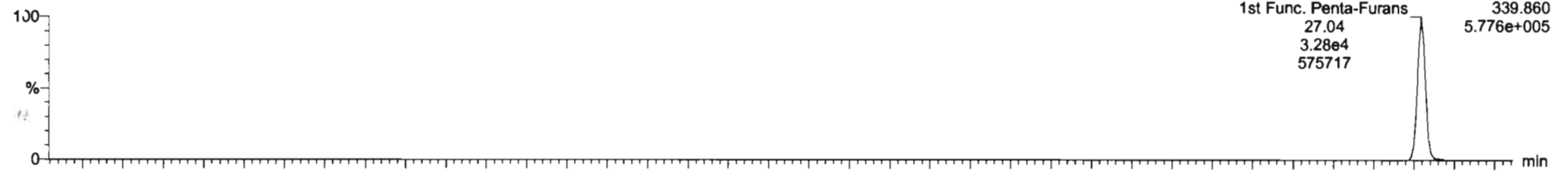
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Last Altered: Wednesday, June 24, 2020 10:29:41 Pacific Daylight Time
Printed: Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

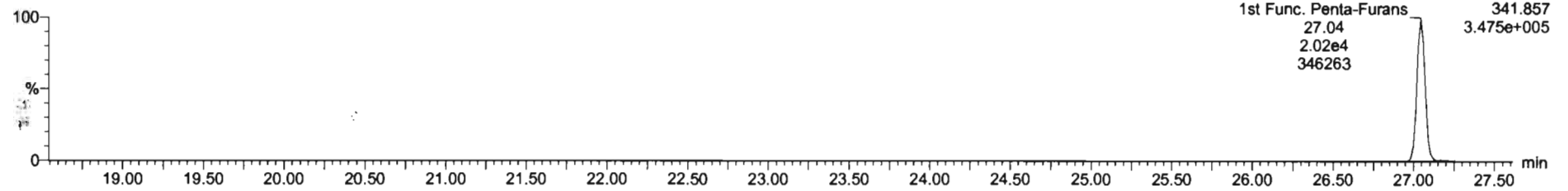
Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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200623D2_2

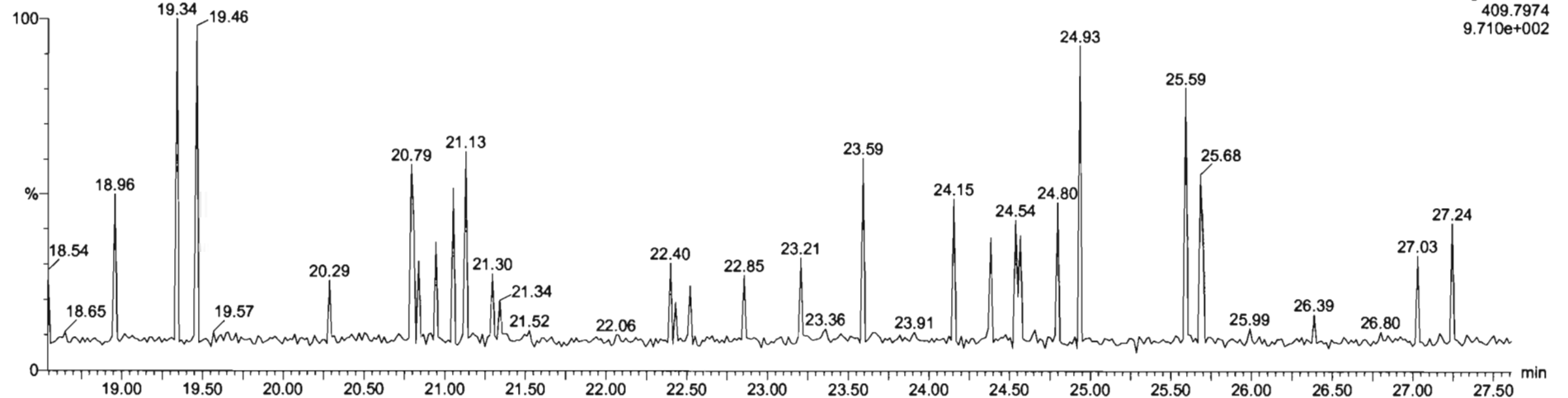


200623D2_2



DPE6

200623D2_2



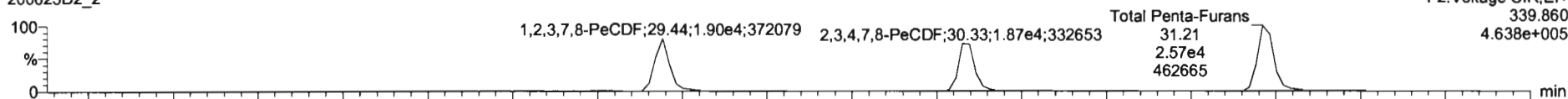
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Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

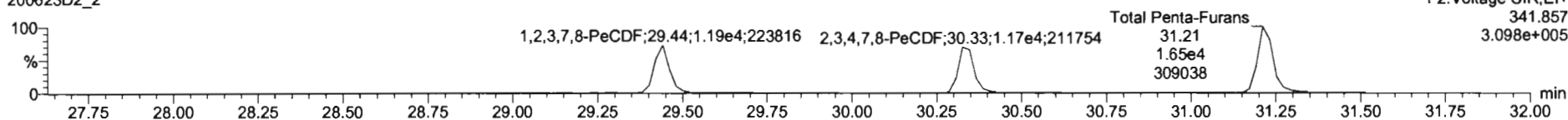
1,2,3,7,8-PeCDF

200623D2_2



F2:Voltage SIR,EI+
339.860
4.638e+005

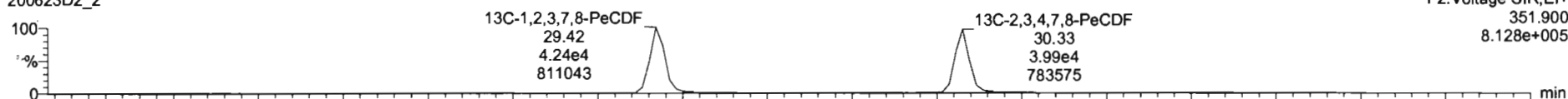
200623D2_2



F2:Voltage SIR,EI+
341.857
3.098e+005

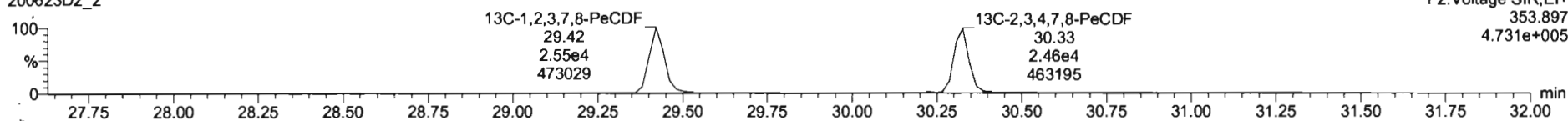
13C-1,2,3,7,8-PeCDF

200623D2_2



F2:Voltage SIR,EI+
351.900
8.128e+005

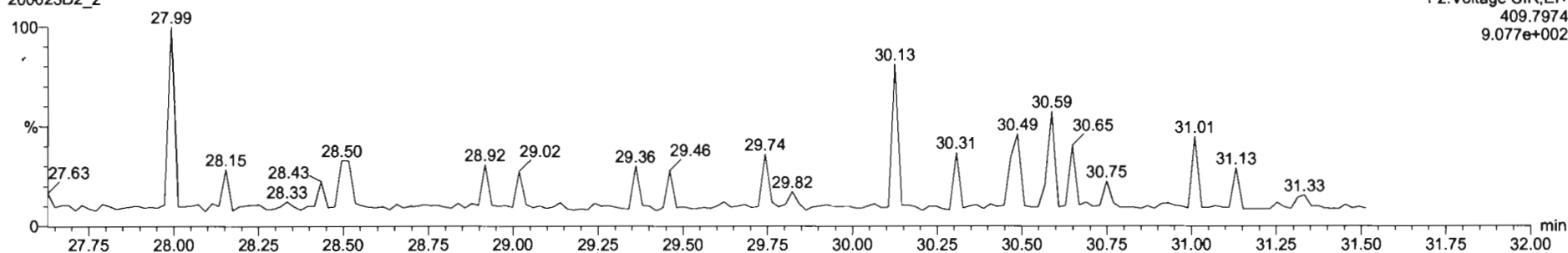
200623D2_2



F2:Voltage SIR,EI+
353.897
4.731e+005

DPE2

200623D2_2



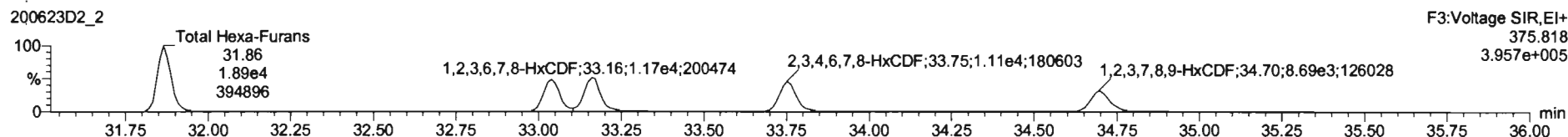
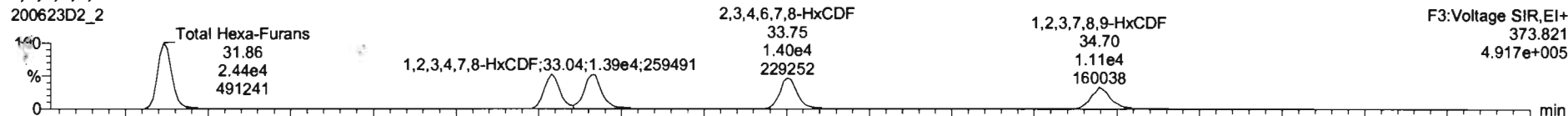
F2:Voltage SIR,EI+
409.7974
9.077e+002

Dataset: U:\VG7.PRO\Results\200623D2\200623D2_2.qld

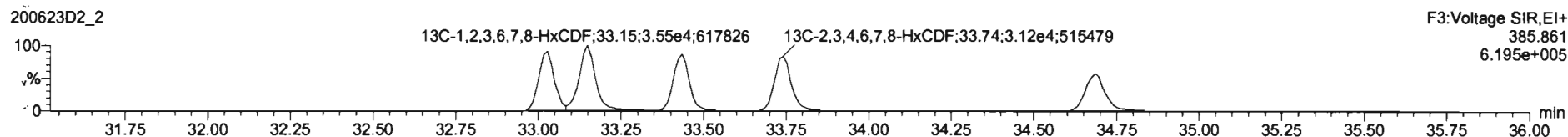
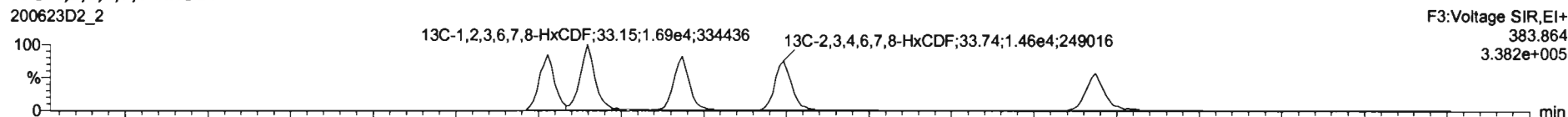
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Printed: Wednesday, June 24, 2020 10:31:34 Pacific Daylight Time

Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

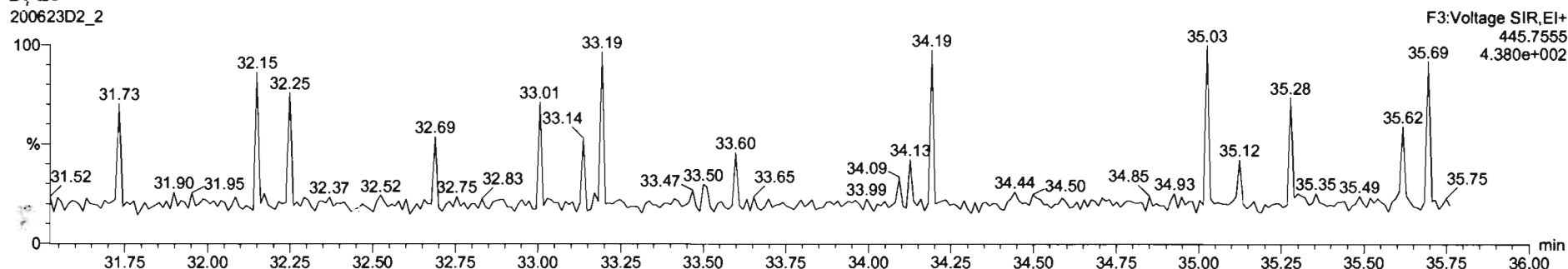
1,2,3,4,7,8-HxCDF



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



DPE3

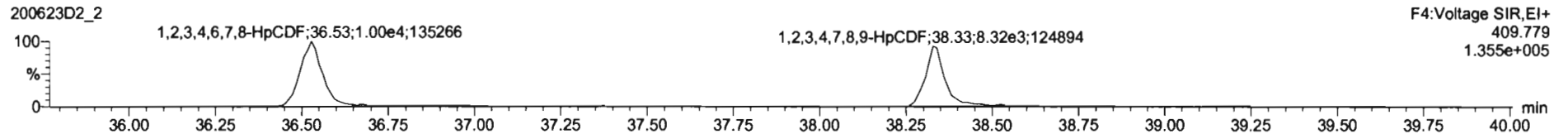
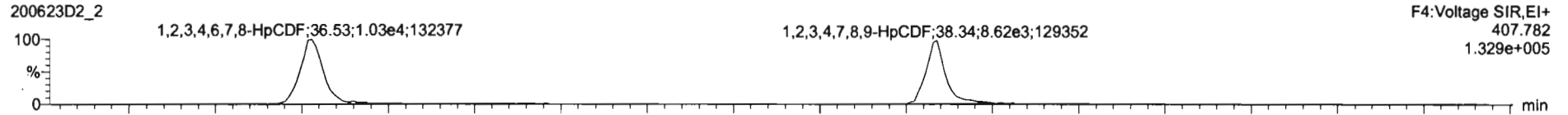


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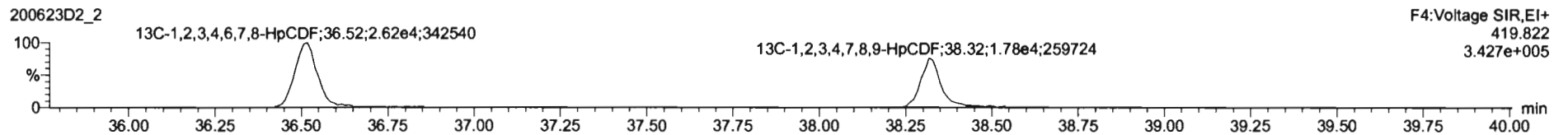
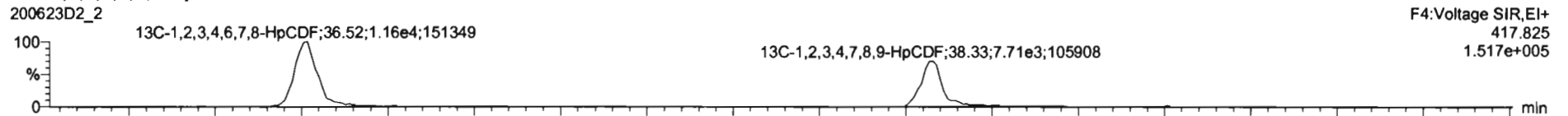
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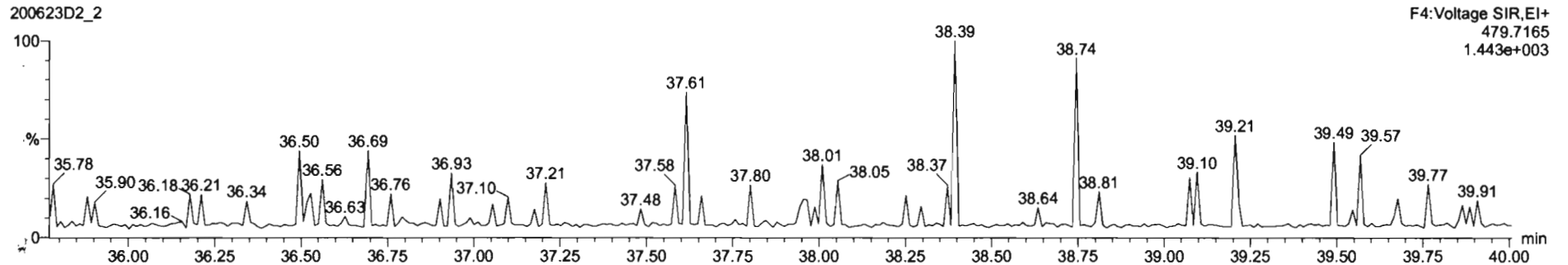
1,2,3,4,6,7,8-HpCDF



¹³C-1,2,3,4,6,7,8-HpCDF



DPE4



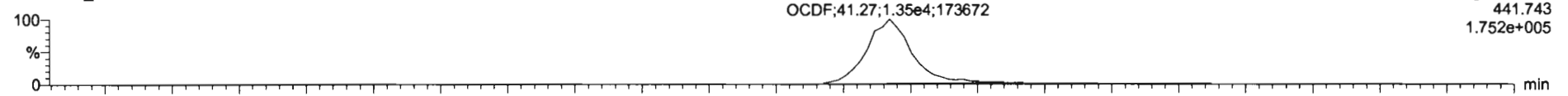
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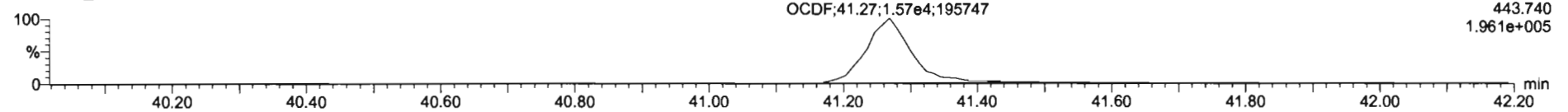
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OCDF

200623D2_2

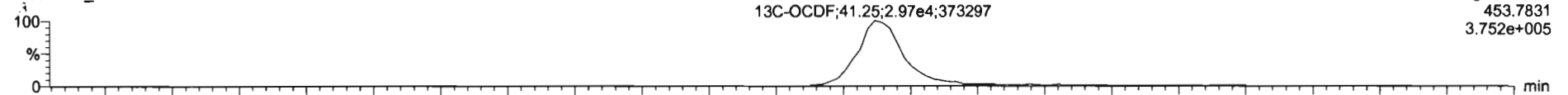


200623D2_2

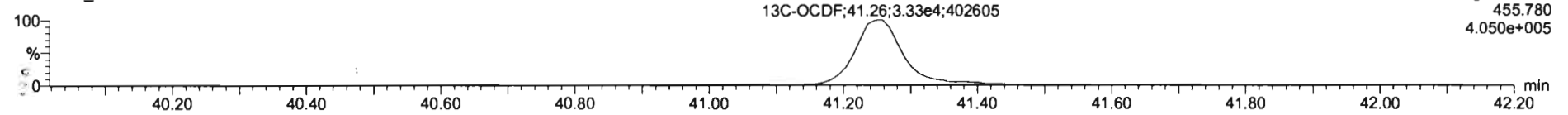


13C-OCDF

200623D2_2

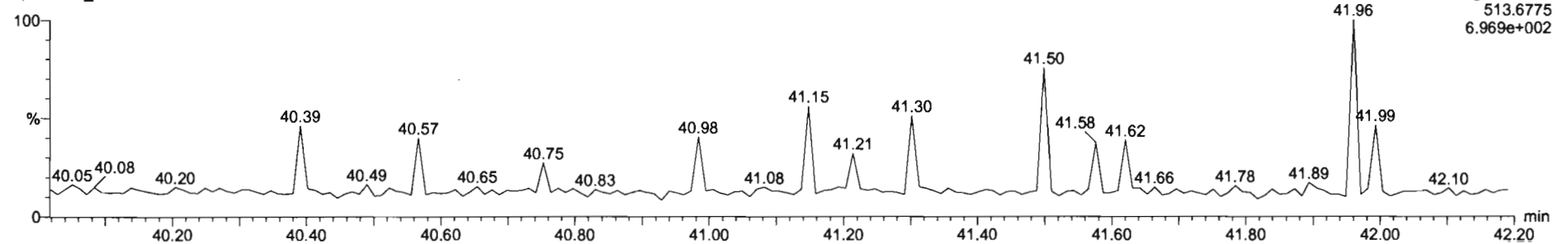


200623D2_2



DPE5

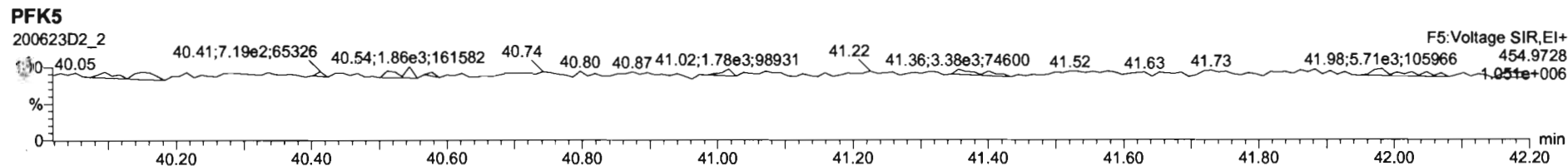
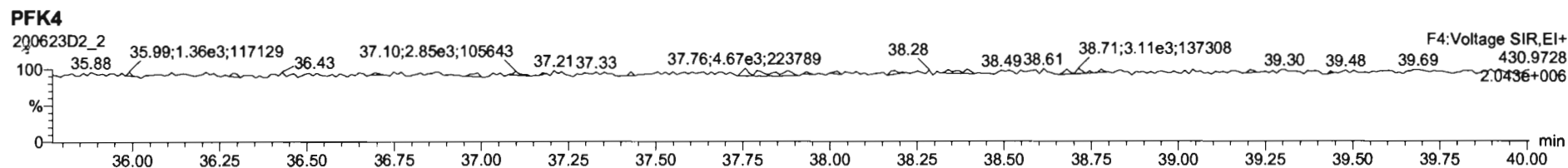
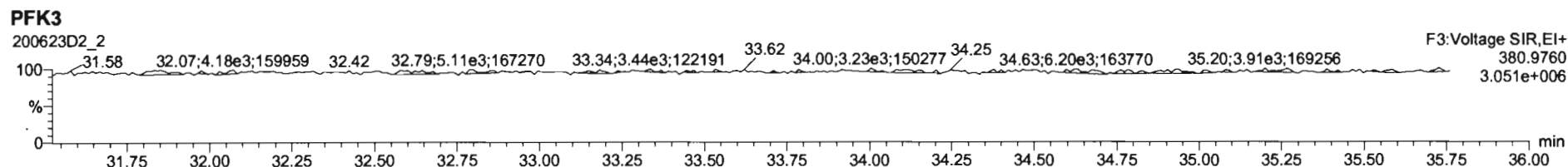
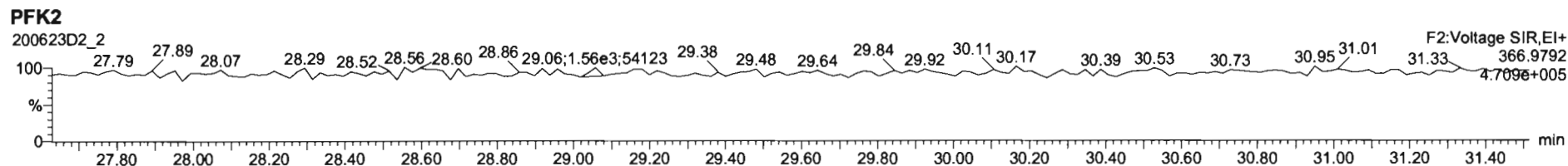
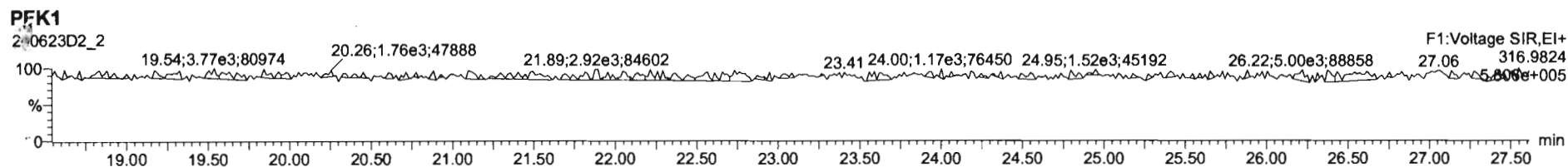
200623D2_2



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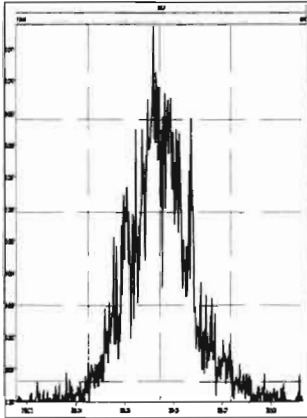
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Name: 200623D2_2, Date: 23-Jun-2020, Time: 22:10:32, ID: ST200623D2-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

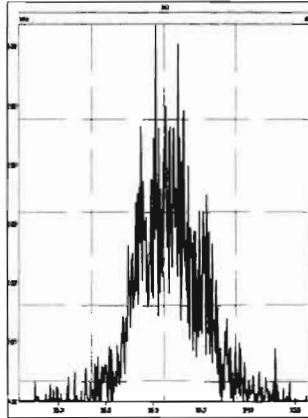


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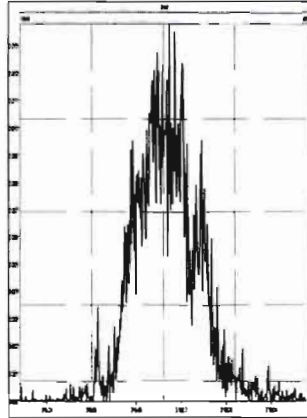
M 292.9824 R 12166



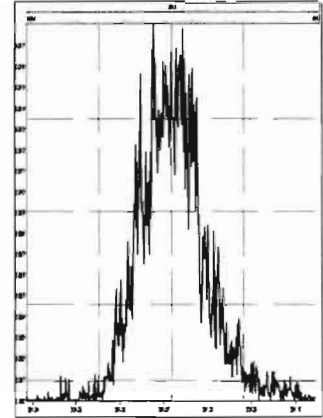
M 304.9824 R 14226



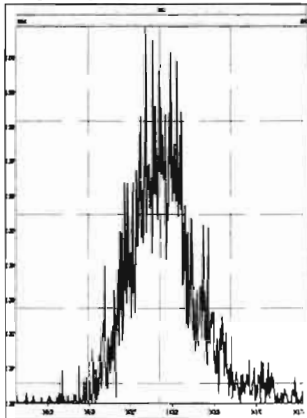
M 318.9792 R 12502



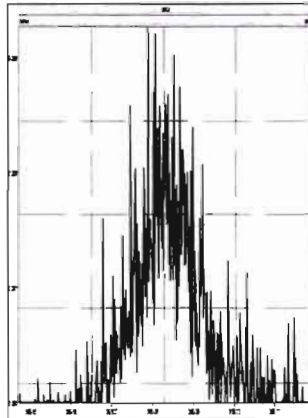
M 330.9792 R 11696



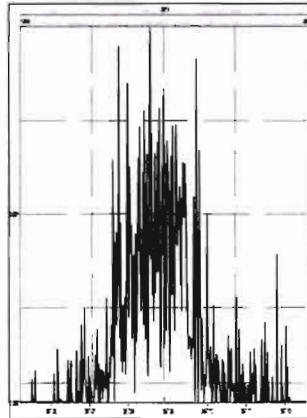
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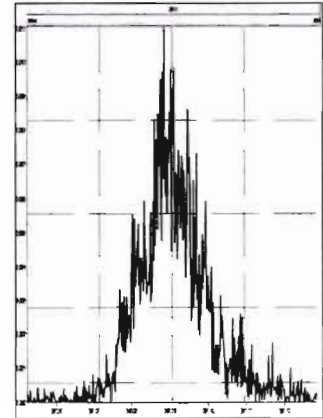
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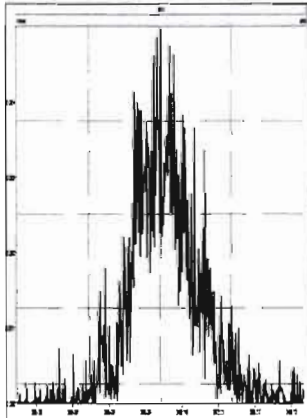
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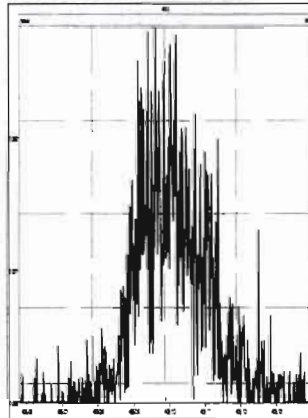
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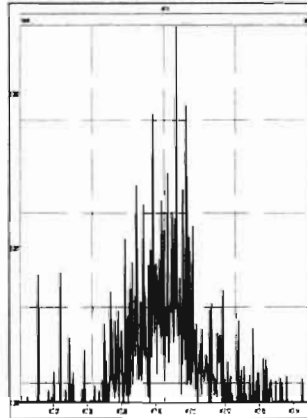
M 392.9760 R 13735



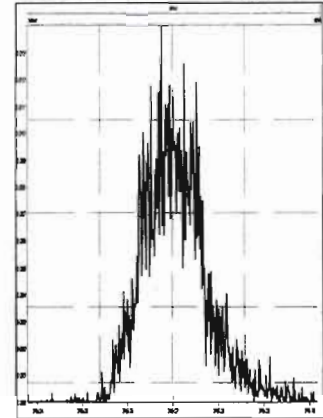
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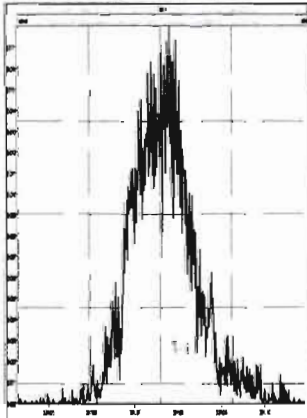
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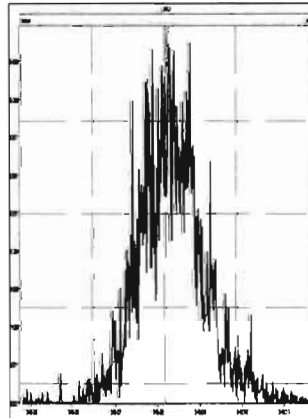
M 318.9792 R 12259



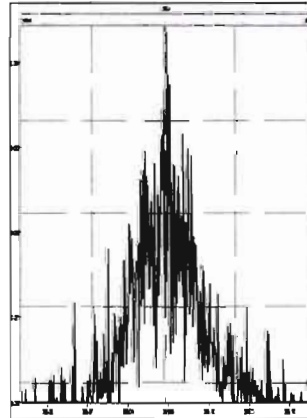
M 330.9792 R 13089



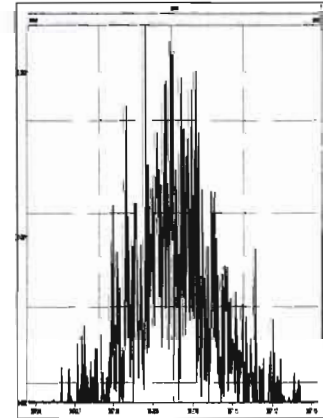
M 342.9792 R 12490



M 354.9792 R 16413

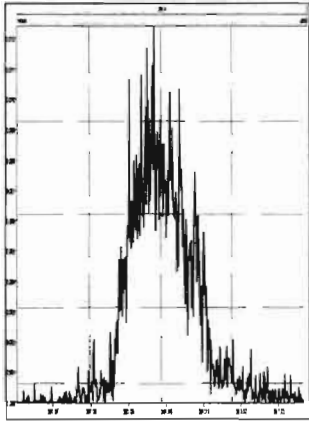


M 366.9792 R 25098

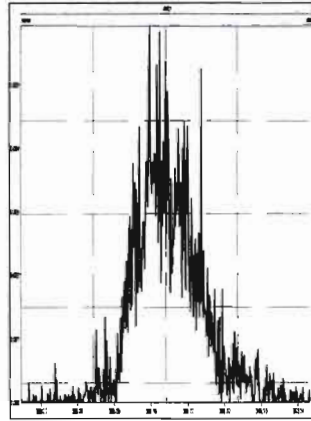


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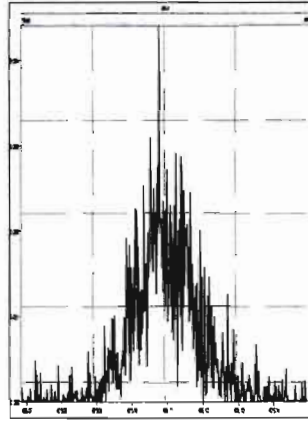
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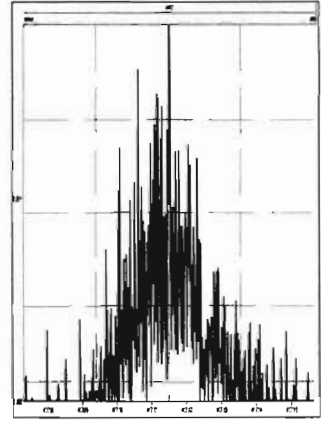
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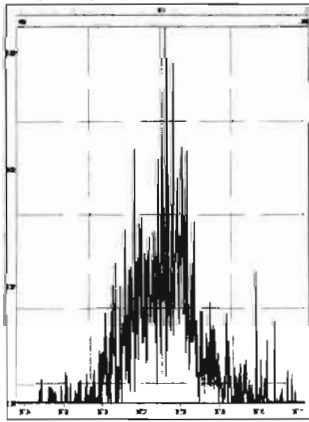
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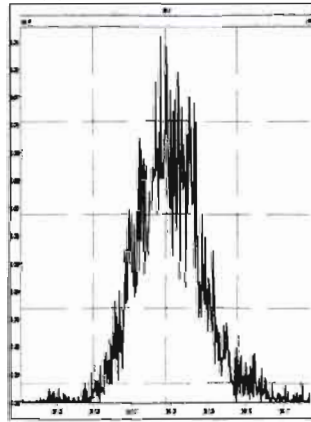
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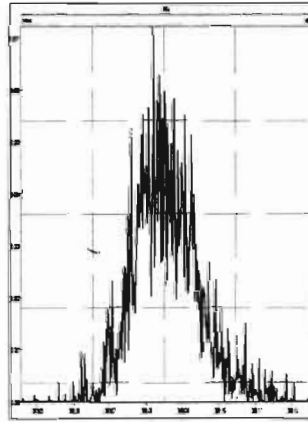
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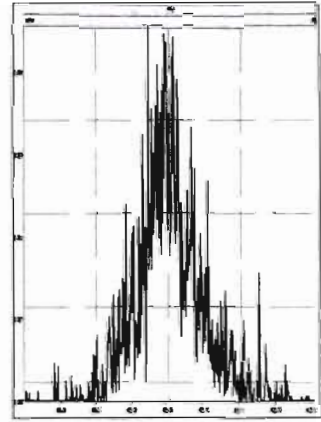
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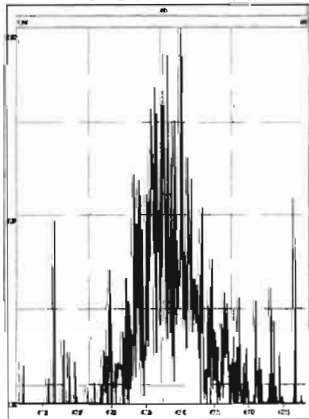
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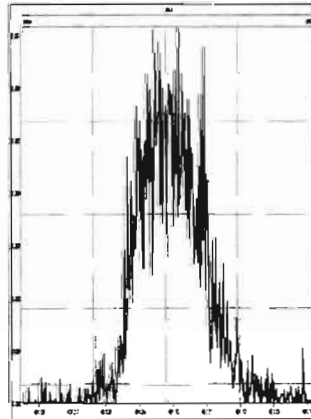
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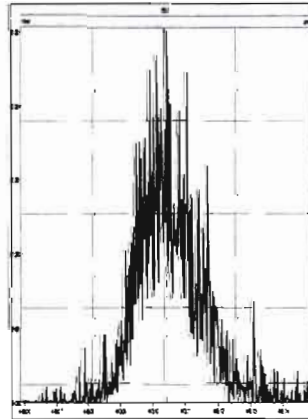
M 416.9760 R 27290



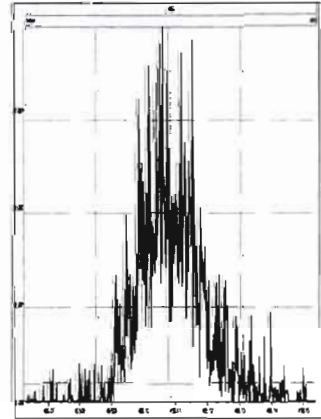
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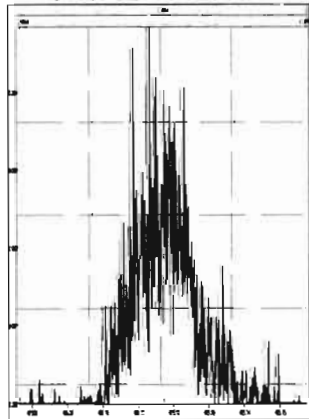
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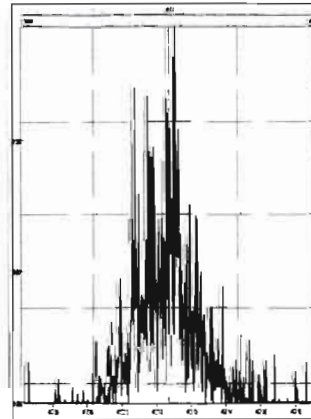
M 454.9728 R 14618



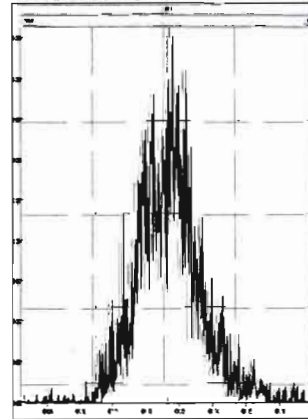
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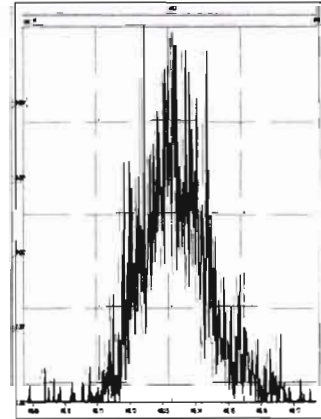
M 416.9760 R 20937



M 430.9728 R 11154

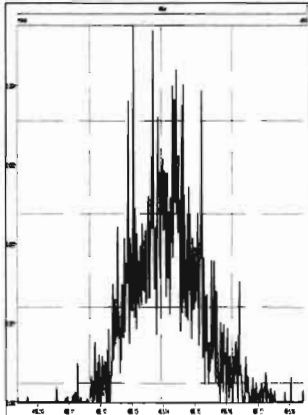


M 442.9728 R 12746

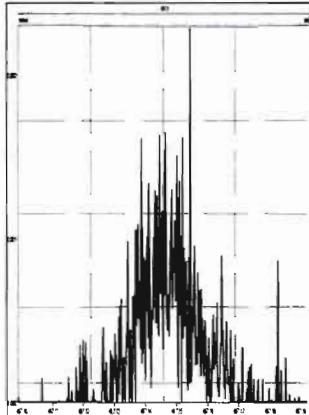


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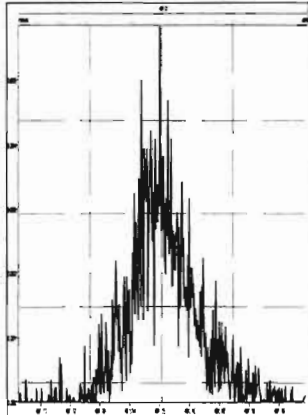
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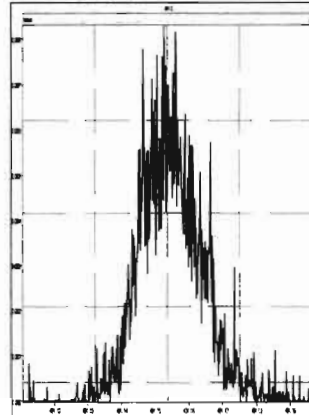
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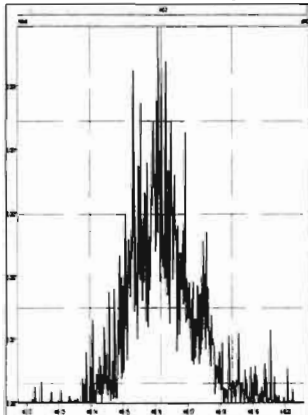
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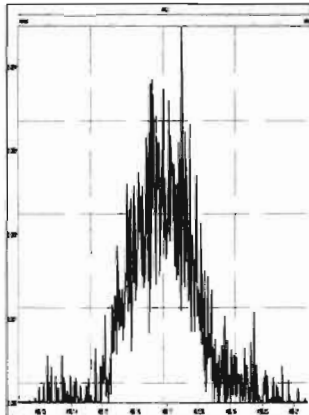
M 430.9728 R 12707



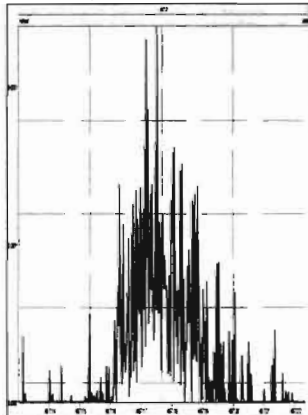
M 442.9728 R 15263



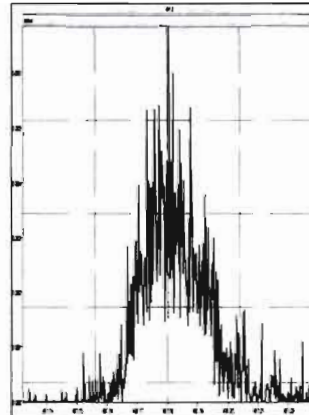
M 454.9728 R 16051



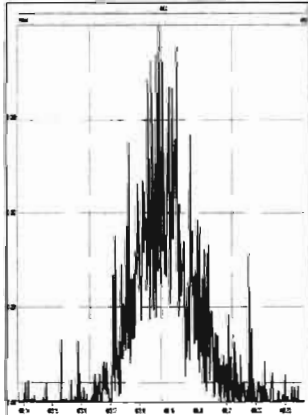
M 466.9728 R 24124



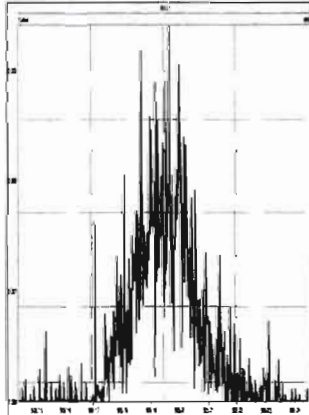
M 480.9696 R 13763



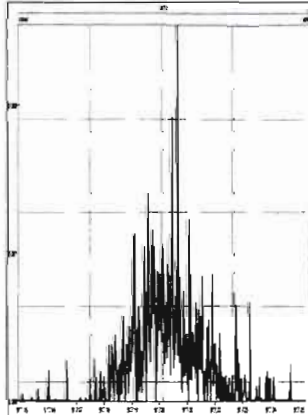
M 492.9696 R 15316



M 504.9696 R 16751



M 516.9697 R 48362



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200611D1-1

Reviewed By: C7 06/12/2020

Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA	Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA
First and last eluters present?	<input checked="" type="checkbox"/> UA	<input type="checkbox"/>	GC Break <20%	<input checked="" type="checkbox"/> NA	
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8280 CS1 End Standard:		
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input checked="" type="checkbox"/> NA
(ST-Year-Month-Day-VG ID)					
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments:	<div style="height: 150px;"></div>	
Correct ICAL referenced?	<input checked="" type="checkbox"/> DB	<input type="checkbox"/>			
Run Log:					
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> V			
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	<input type="checkbox"/> N			
- Bottle position verified?	<input checked="" type="checkbox"/> DB	<input type="checkbox"/>			

Dataset: U:\VG7.PRO\Results\200611D1\200611D1_2.qld

Last Altered: Thursday, June 11, 2020 12:09:27 Pacific Daylight Time
Printed: Thursday, June 11, 2020 12:10:37 Pacific Daylight Time

DB 6/11/20

C706/12/20

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_2, Date: 11-Jun-2020, Time: 11:46:34, ID: ST200611D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	1.69e3	0.76	NO	0.982	1.000	17.677	17.70	1.000	1.003	10.658	107	1.06	10.7
2	2 13C-2,3,7,8-TCDF	1.62e4	0.79	NO	1.08	1.000	17.724	17.66	1.133	1.135	104.06	104	2.46	
3	3 13C-1,2,3,4-TCDF	1.44e4	0.82	NO	1.00	1.000	15.660	15.56	1.000	1.000	100.00	100	2.66	

Dataset: Untitled

Last Altered: Friday, June 12, 2020 09:27:13 Pacific Daylight Time
Printed: Friday, June 12, 2020 09:27:28 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Callibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

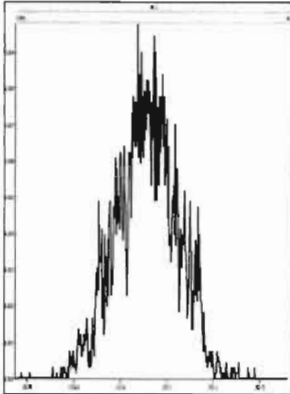
Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200611D1_1	CP200611D1-1 DB-225 CPSM	11-Jun-20	11:16:25
2	200611D1_2	ST200611D1-1 1613 CS3 19L2305	11-Jun-20	11:46:34
3	200611D1_3	SOLVENT BLANK	11-Jun-20	12:18:17
4	200611D1_4	2000996-04RE1 PDI-054SC-B-00-02-200428 ...	11-Jun-20	12:50:03
5	200611D1_5	2000996-05RE1 PDI-054SC-B-02-05-200428 ...	11-Jun-20	13:21:43
6	200611D1_6	2000995-04RE1 PDI-068SC-B-02-05-200430 ...	11-Jun-20	13:53:26
7	200611D1_7	2000995-05RE1 PDI-068SC-B-05-07-200430 ...	11-Jun-20	14:25:09
8	200611D1_8	2000995-11RE1 PDI-072SC-B-06-08-200430 ...	11-Jun-20	14:56:52
9	200611D1_9	B0E0118-DUP1RE1 Duplicate	11-Jun-20	15:28:35
10	200611D1_10	2000996-14RE1 PDI-060SC-B-00-02-200428 ...	11-Jun-20	16:00:16
11	200611D1_11	B0E0150-DUP1RE1 Duplicate	11-Jun-20	16:31:59
12	200611D1_12	2001037-03RE1 PDI-094SC-B-00-02-200507 17	11-Jun-20	17:03:40
13	200611D1_13	2001037-04RE1 PDI-094SC-B-02-05-200507 ...	11-Jun-20	17:35:22
14	200611D1_14	2001037-06RE1 PDI-096SC-B-00-02-200507 ...	11-Jun-20	18:07:04
15	200611D1_15	2001037-07RE1 PDI-096SC-B-02-05-200507 ...	11-Jun-20	18:38:46
16	200611D1_16	2001037-09RE1 PDI-096SG-00-01-200507 15...	11-Jun-20	19:10:30
17	200611D1_17	2001037-10RE1 PDI-098SC-B-00-02-200507 ...	11-Jun-20	19:42:11
18	200611D1_18	2001037-11RE1 PDI-098SC-B-02-05-200507 ...	11-Jun-20	20:13:54
19	200611D1_19	2001037-12RE1 PDI-098SC-B-05-07-200507 ...	11-Jun-20	20:45:37
20	200611D1_20	2001037-13RE1 PDI-1098SC-B-05-07-200507...	11-Jun-20	21:17:20
21	200611D1_21	2001037-14RE1 PDI-098SG-00-01-200507 14...	11-Jun-20	21:49:02

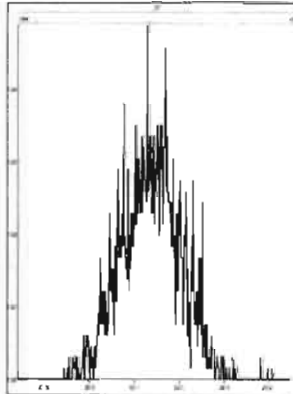
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, June 11, 2020 11:15:26 Pacific Daylight Time

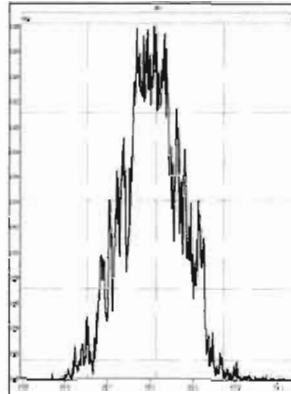
M 292.9824 R 11110



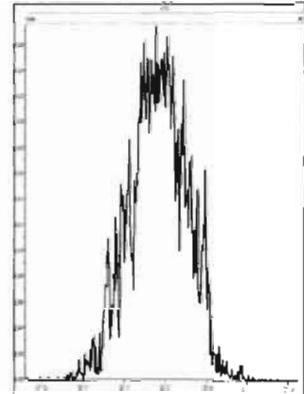
M 304.9824 R 11361



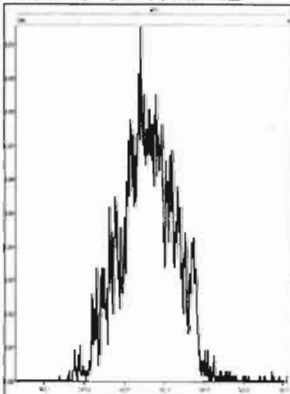
M 318.9792 R 11739



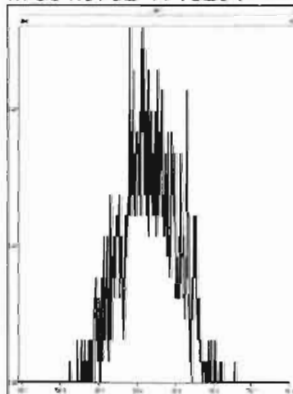
M 330.9792 R 11905



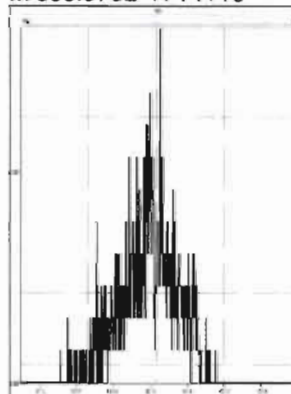
M 342.9792 R 12442



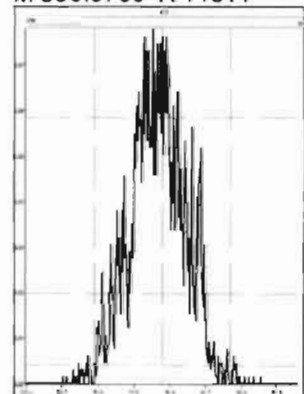
M 354.9792 R 13294

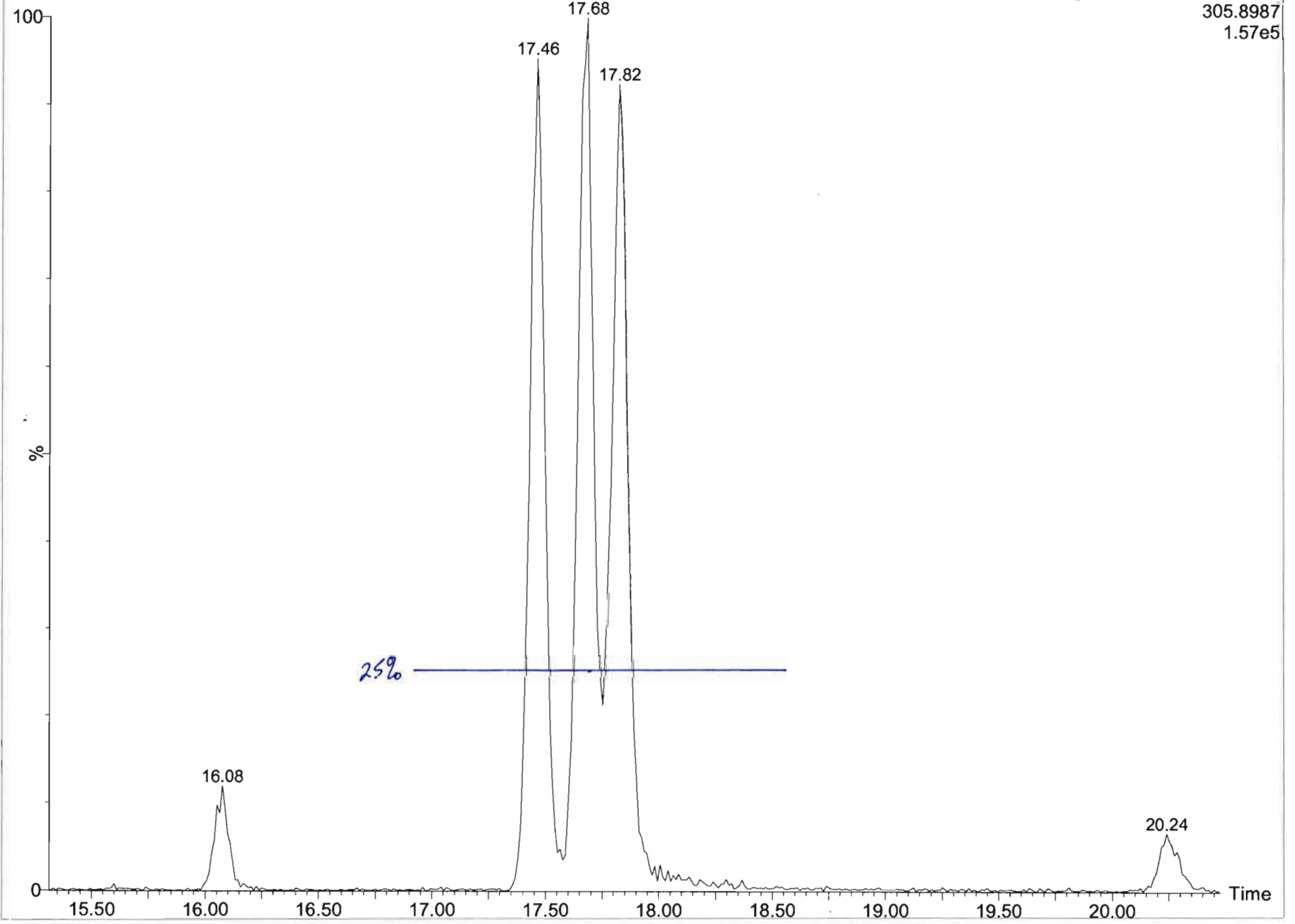


M 366.9792 R 14119



M 380.9760 R 11311





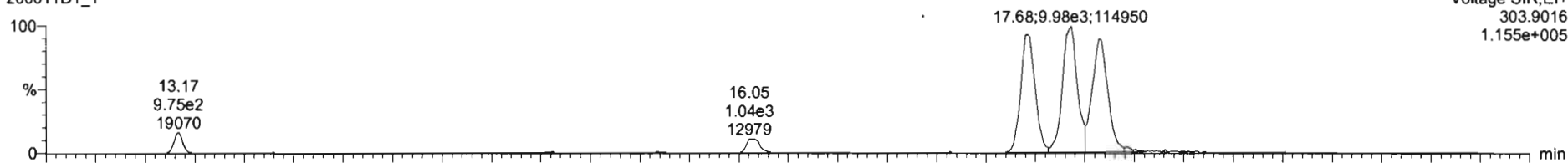
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_1.qld

Last Altered: Thursday, June 11, 2020 12:11:02 Pacific Daylight Time
Printed: Thursday, June 11, 2020 12:12:12 Pacific Daylight Time

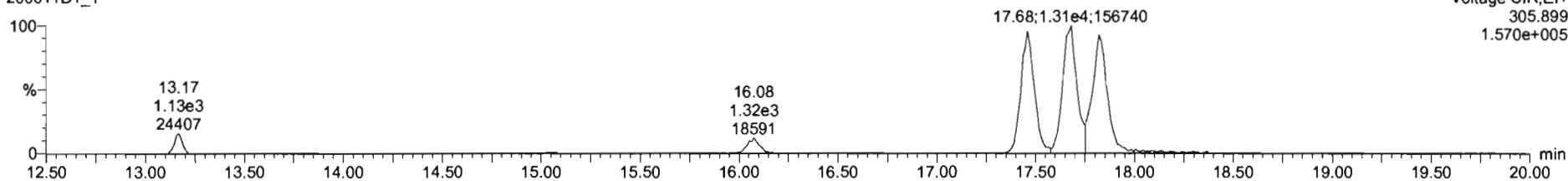
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200611D1_1, Date: 11-Jun-2020, Time: 11:16:25, ID: CP200611D1-1 DB-225 CPSM, Description: DB-225 CPSM

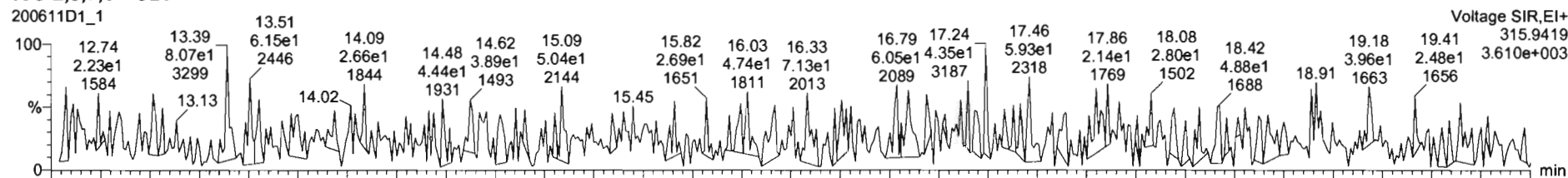
2,3,7,8-TCDF
200611D1_1



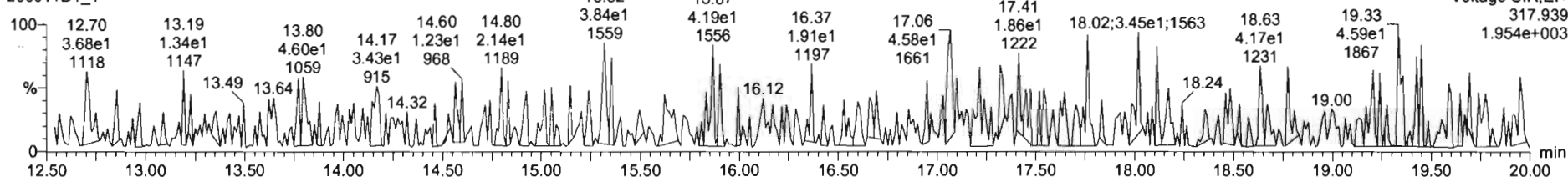
200611D1_1



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



200611D1_1

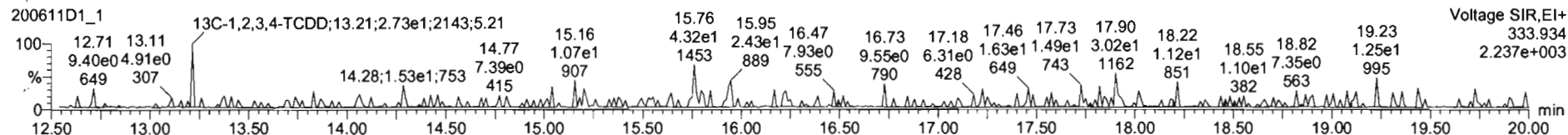
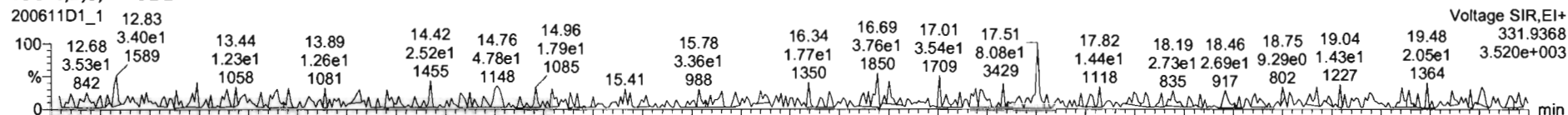


Dataset: U:\VG7.PRO\Results\200611D1\200611D1_1.qld

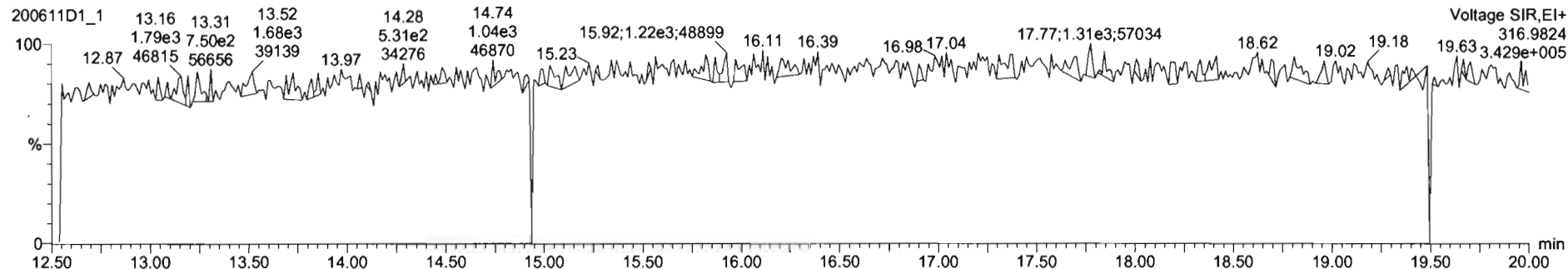
Last Altered: Thursday, June 11, 2020 12:11:02 Pacific Daylight Time
Printed: Thursday, June 11, 2020 12:12:12 Pacific Daylight Time

Name: 200611D1_1, Date: 11-Jun-2020, Time: 11:16:25, ID: CP200611D1-1 DB-225 CPSM, Description: DB-225 CPSM

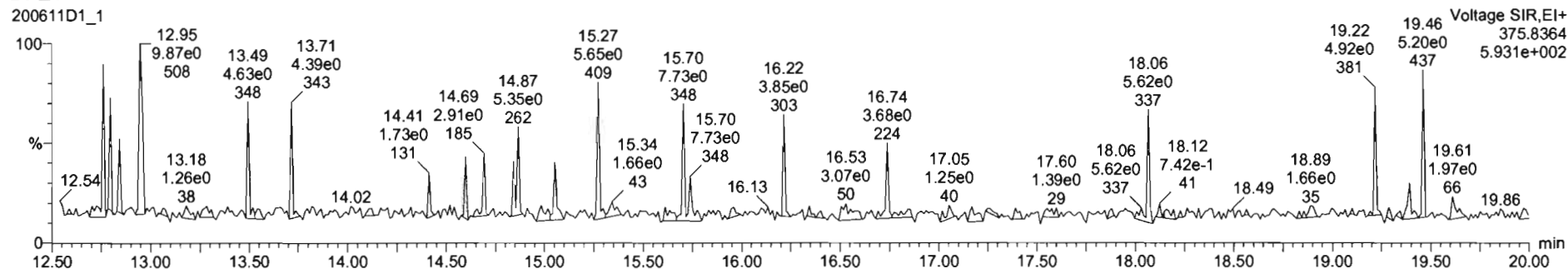
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200611D1\200611D1_2.qld

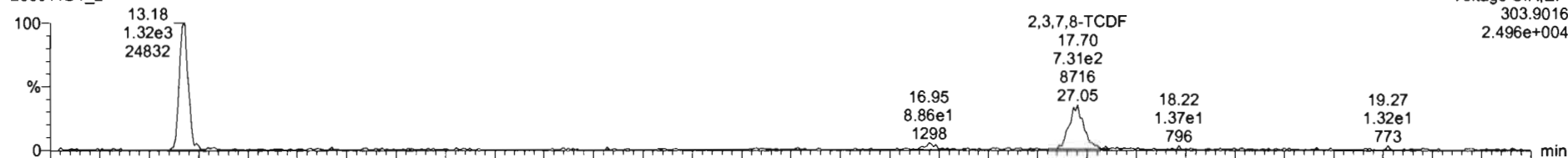
Last Altered: Thursday, June 11, 2020 12:09:27 Pacific Daylight Time
Printed: Thursday, June 11, 2020 12:10:55 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 23 Mar 2020 11:10:19
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

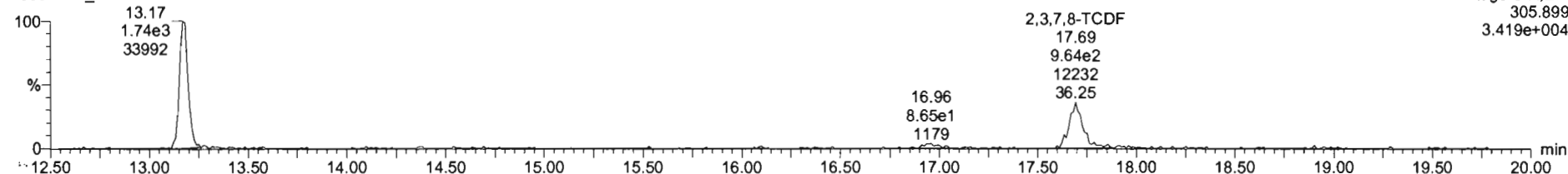
Name: 200611D1_2, Date: 11-Jun-2020, Time: 11:46:34, ID: ST200611D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF

200611D1_2



200611D1_2

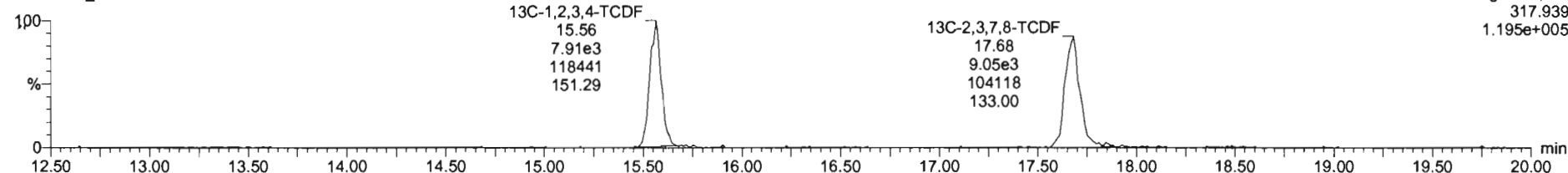


13C-2,3,7,8-TCDF

200611D1_2



200611D1_2



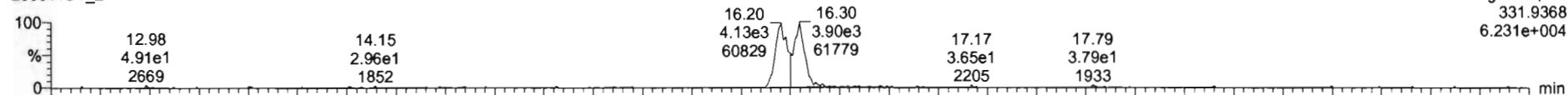
Dataset: U:\VG7.PRO\Results\200611D1\200611D1_2.qld

Last Altered: Thursday, June 11, 2020 12:09:27 Pacific Daylight Time
Printed: Thursday, June 11, 2020 12:10:55 Pacific Daylight Time

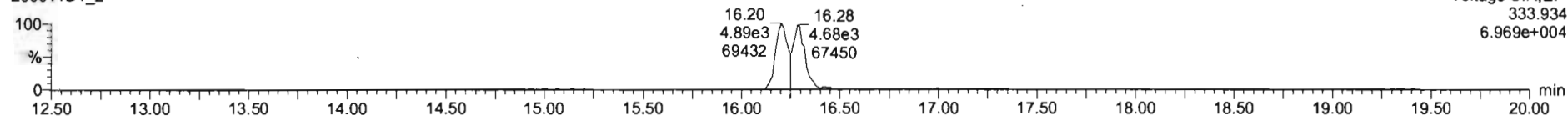
Name: 200611D1_2, Date: 11-Jun-2020, Time: 11:46:34, ID: ST200611D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

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

200611D1_2

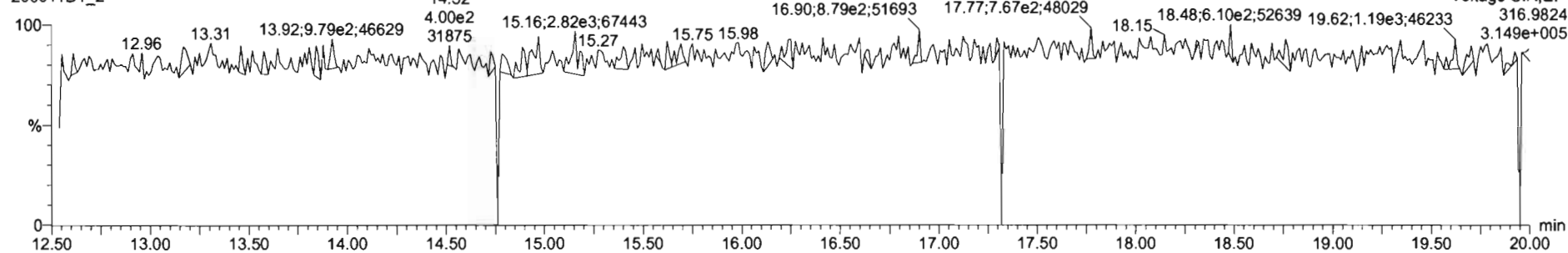


200611D1_2



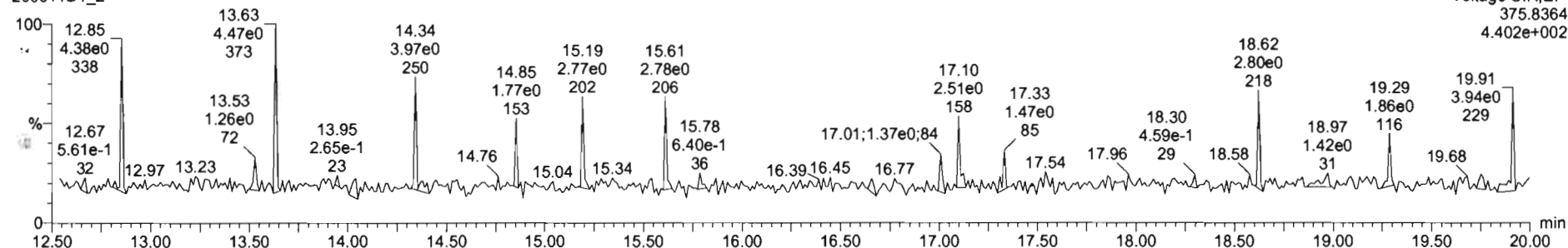
PFK1

200611D1_2



DPE1

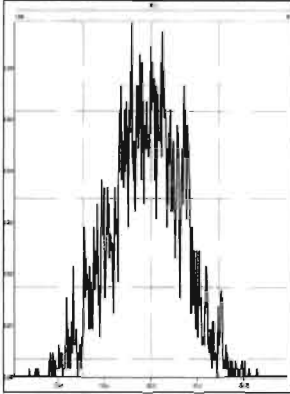
200611D1_2



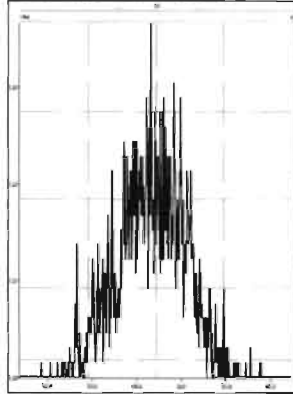
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, June 11, 2020 22:22:56 Pacific Daylight Time

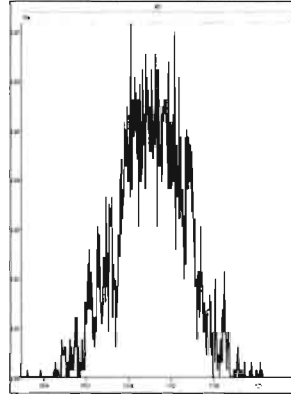
M 292.9824 R 10458



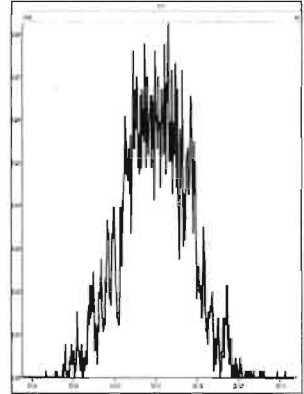
M 304.9824 R 10639



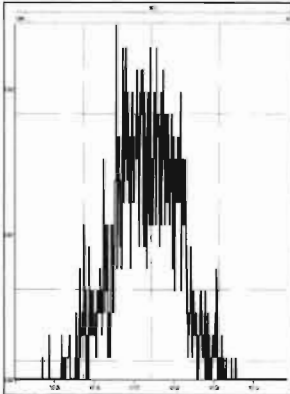
M 318.9792 R 10593



M 330.9792 R 11735



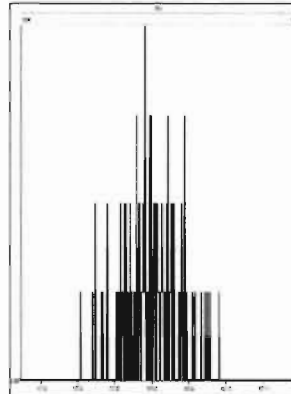
M 342.9792 R 12256



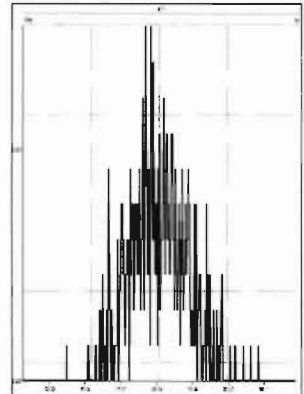
M 354.9792 R 19084



M 366.9792 R 71419



M 380.9760 R 15240



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST200707D1-1

Reviewed By: CT 07/08/2020
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>		<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox" value="NA"/>	Mass resolution \geq	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox" value="NA"/>
First and last eluters present?	<input type="checkbox" value="NA"/>	<input type="checkbox"/>	GC Break <20%	<input type="checkbox" value="NA"/>	
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>8280 CS1 End Standard:</u>		
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox" value="NA"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Comments: 		
Correct ICAL referenced?	<input type="checkbox" value="DB"/>	<input type="checkbox"/>			
<u>Run Log:</u>					
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox" value="Y"/>			
- Samples within 12 hour clock?	<input type="checkbox" value="Y"/>	<input type="checkbox" value="N"/>			
- Bottle position verified?	<input type="checkbox" value="DB"/>	<input type="checkbox"/>			

Dataset: U:\VG7.PRO\Results\200707D1\200707D1_2.qld

Last Altered: Tuesday, July 07, 2020 12:12:48 Pacific Daylight Time
Printed: Tuesday, July 07, 2020 12:15:10 Pacific Daylight Time

DB 7/7/20 CT 07/08/2020

Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52

Calibration: U:\VG7.PRO\CurveDB\ldb-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200707D1_2, Date: 07-Jul-2020, Time: 11:33:48, ID: ST200707D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDF	1.80e4	0.75	NO	0.982	1.000	16.902	16.92	1.000	1.001	8.5534	85.5 <i>84-120</i>	0.120	8.55
2	2 13C-2,3,7,8-TCDF	2.14e5	0.77	NO	1.08	1.000	16.882	16.90	1.133	1.133	98.583	98.6 <i>71-140</i>	0.344	
3	3 13C-1,2,3,4-TCDF	2.00e5	0.79	NO	1.00	1.000	15.060	14.91	1.000	1.000	100.00	100	0.372	

Dataset: Untitled

Last Altered: Wednesday, July 08, 2020 09:36:57 Pacific Daylight Time

Printed: Wednesday, July 08, 2020 09:37:06 Pacific Daylight Time

Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

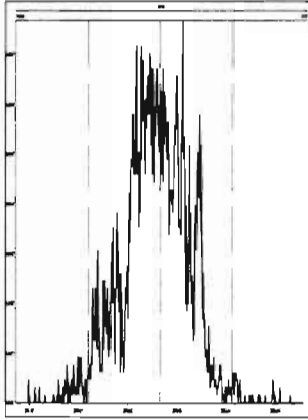
Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200707D1_1	CP200707D1-1 DB-225 CPSM	07-Jul-20	10:53:35
2	200707D1_2	ST200707D1-1 1613 CS3 19L2305	07-Jul-20	11:33:48
3	200707D1_3	SOLVENT BLANK	07-Jul-20	12:03:57
4	200707D1_4	2001073-10RE1 SO-Dup-01 14.43	07-Jul-20	12:35:42
5	200707D1_5	2001073-11RE1 SO-C08-Comp-0.0-0.5 14.96	07-Jul-20	13:07:22
6	200707D1_6	2001073-13RE1 SO-C03-Comp-0.0-0.5 15.8	07-Jul-20	13:39:05
7	200707D1_7	2000996-05RE1 PDI-054SC-B-02-05-200428 ...	07-Jul-20	14:10:48
8	200707D1_8	2000996-14RE1 PDI-060SC-B-00-02-200428 ...	07-Jul-20	14:42:31
9	200707D1_9	B0E0119-DUP1RE1 Duplicate	07-Jul-20	15:14:14
10	200707D1_10	2001022-01RE1 PDI-048SC-A-11-12-200506 ...	07-Jul-20	15:45:57
11	200707D1_11	2001022-03RE1 PDI-1048SC-A-11-12-200506...	07-Jul-20	16:17:39
12	200707D1_12	2001022-10RE1 PDI-051SC-B-00-02-200506 ...	07-Jul-20	16:49:21
13	200707D1_13	2001022-11RE1 PDI-051SC-B-02-04-200506 ...	07-Jul-20	17:21:00
14	200707D1_14	2001022-14RE1 PDI-080SC-A-07-08-200506 ...	07-Jul-20	17:52:39
15	200707D1_15	2001022-15RE1 PDI-080SC-A-08-8-8-200506 ...	07-Jul-20	18:24:21
16	200707D1_16	2001022-16RE1 PDI-080SC-B-00-02-200506 ...	07-Jul-20	18:56:02
17	200707D1_17	2001022-17RE1 PDI-080SC-B-02-05-200506 ...	07-Jul-20	19:27:46
18	200707D1_18	2001022-18RE1 PDI-080SC-B-05-07-200506 ...	07-Jul-20	19:59:25
19	200707D1_19	2001022-07RE1 PDI-048SC-B-06-08-200506 ...	07-Jul-20	20:31:09
20	200707D1_20	2001022-02RE1 PDI-048SC-A-12-12.6-20050...	07-Jul-20	21:02:53
21	200707D1_21	2001022-06RE1 PDI-048SC-B-04-06-200506 ...	07-Jul-20	21:34:36
22	200707D1_22	2001022-04RE1 PDI-048SC-B-00-02-200506 ...	07-Jul-20	22:06:18
23	200707D1_23	2001022-05RE1 PDI-048SC-B-02-04-200506 ...	07-Jul-20	22:38:01

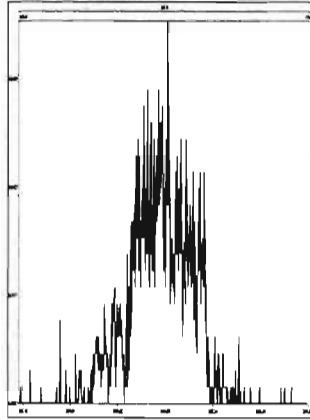
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, July 07, 2020 10:52:52 Pacific Daylight Time

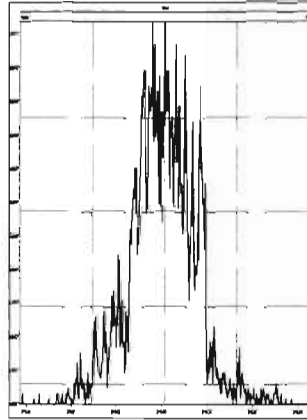
M 292.9824 R 11064



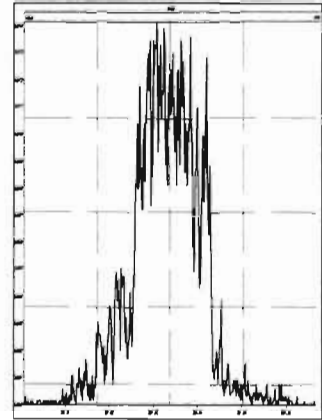
M 304.9824 R 14124



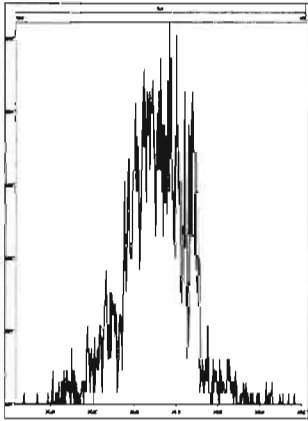
M 318.9792 R 11209



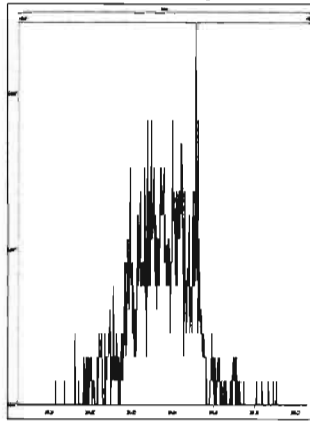
M 330.9792 R 11309



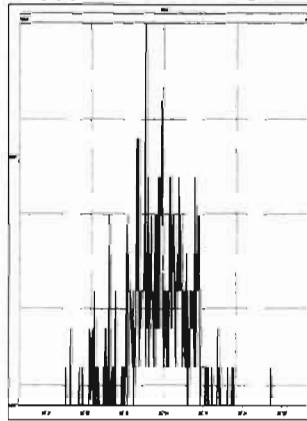
M 342.9792 R 15338



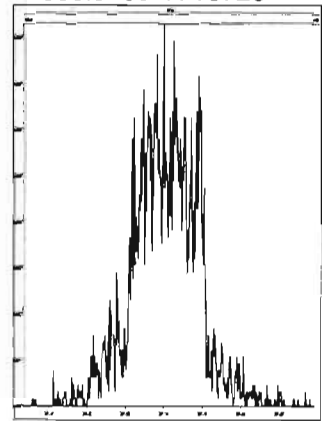
M 354.9792 R 16232

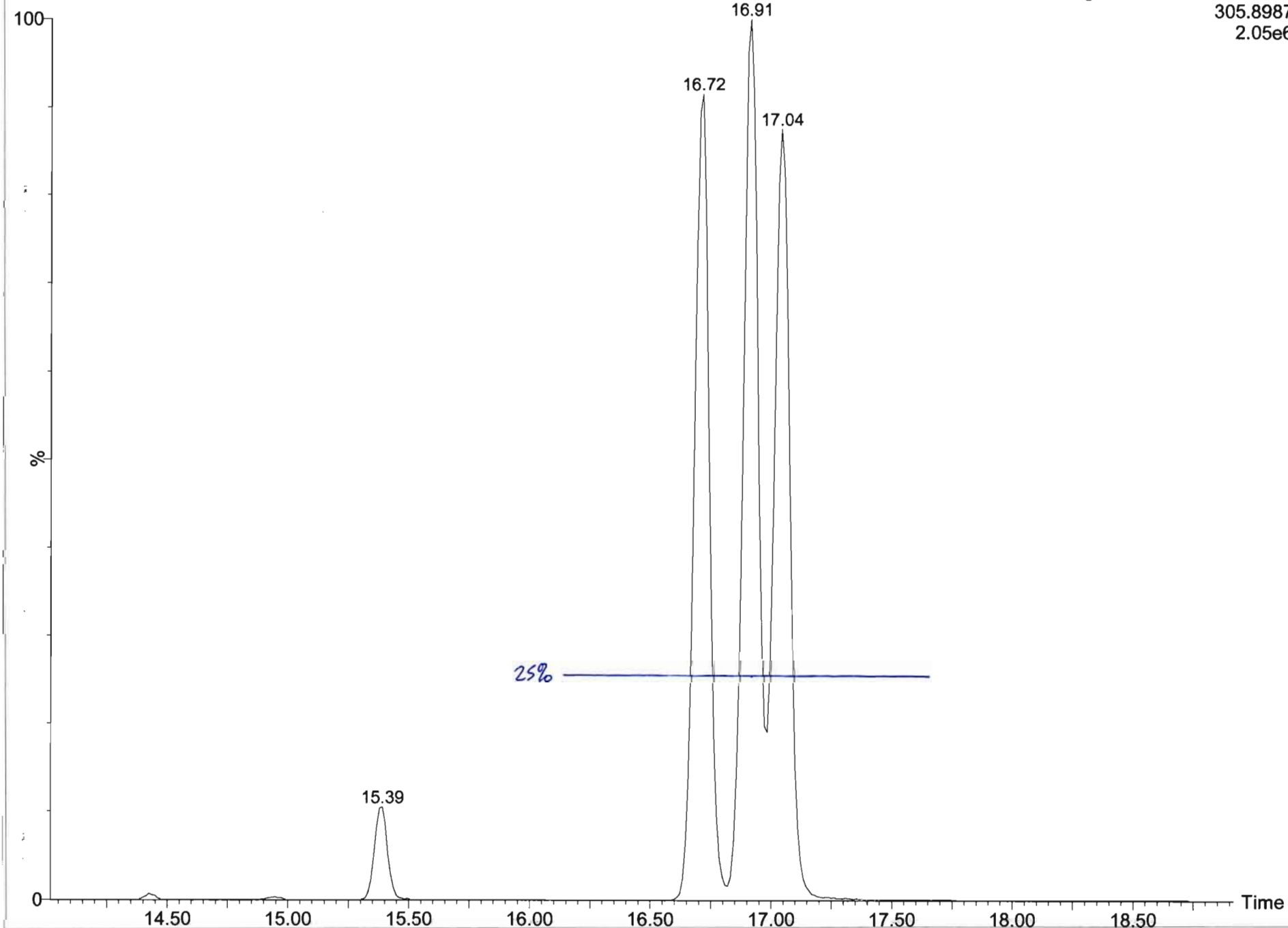


M 366.9792 R 17478



M 380.9760 R 10726





Dataset: U:\VG7.PRO\Results\200707D1\200707D1_1.qld

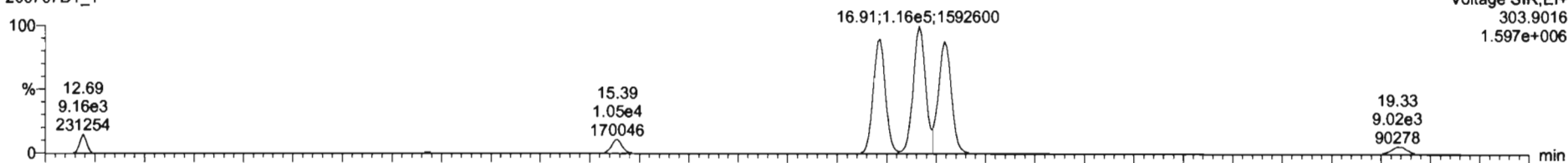
Last Altered: Tuesday, July 07, 2020 12:15:46 Pacific Daylight Time
Printed: Tuesday, July 07, 2020 12:17:19 Pacific Daylight Time

Method: U:\VG7.PRO\MethDB\tcdf.mdb 03 Jul 2020 14:40:52
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

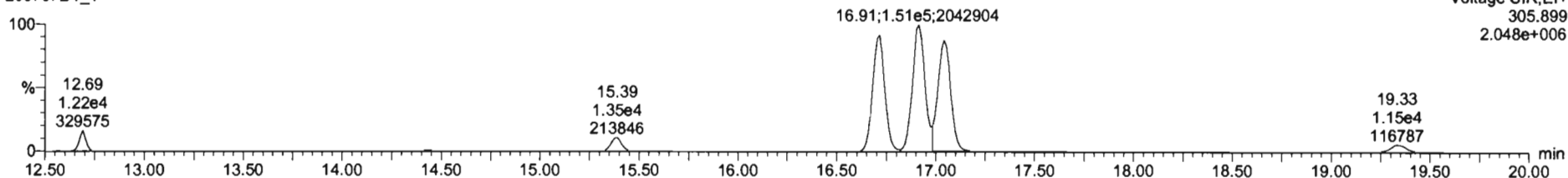
Name: 200707D1_1, Date: 07-Jul-2020, Time: 10:53:35, ID: CP200707D1-1 DB-225 CPSM, Description: DB-225 CPSM

2,3,7,8-TCDF

200707D1_1

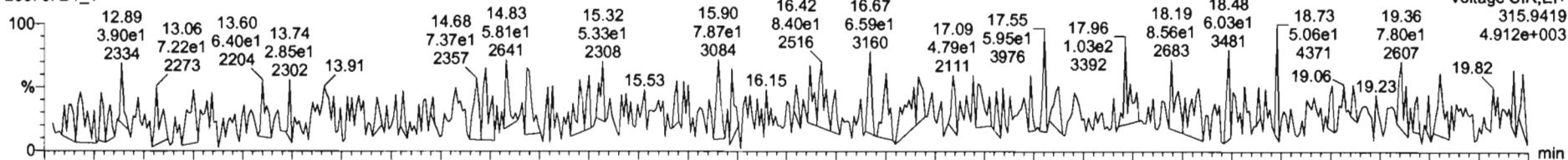


200707D1_1

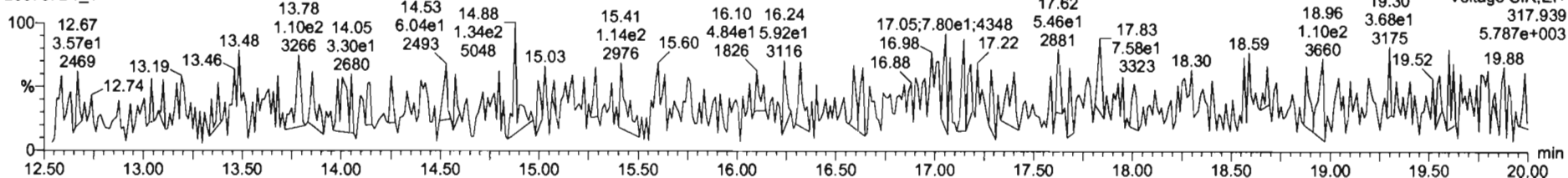


13C-2,3,7,8-TCDF

200707D1_1



200707D1_1

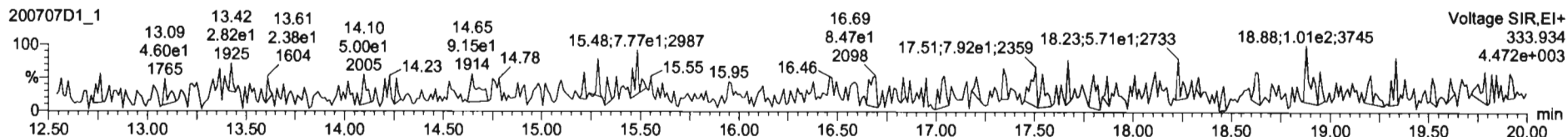
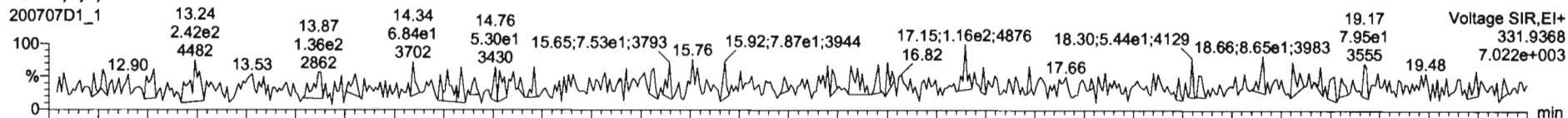


Dataset: U:\VG7.PRO\Results\200707D1\200707D1_1.qld

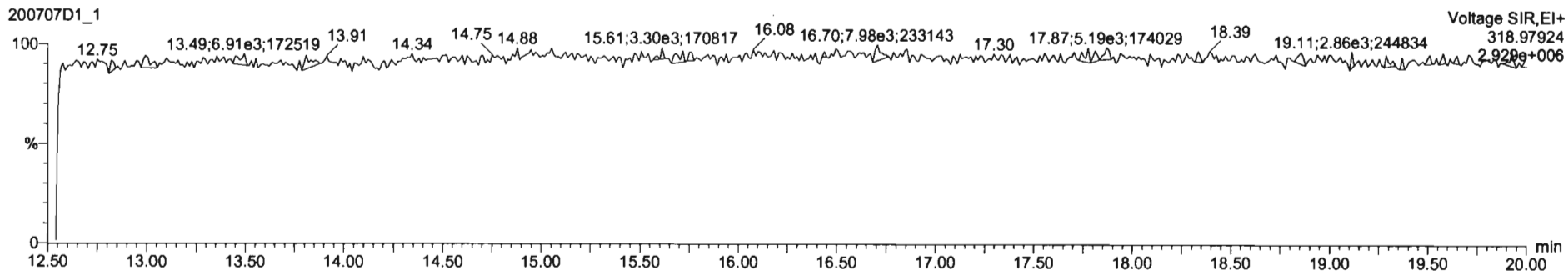
Last Altered: Tuesday, July 07, 2020 12:15:46 Pacific Daylight Time
Printed: Tuesday, July 07, 2020 12:17:19 Pacific Daylight Time

Name: 200707D1_1, Date: 07-Jul-2020, Time: 10:53:35, ID: CP200707D1-1 DB-225 CPSM, Description: DB-225 CPSM

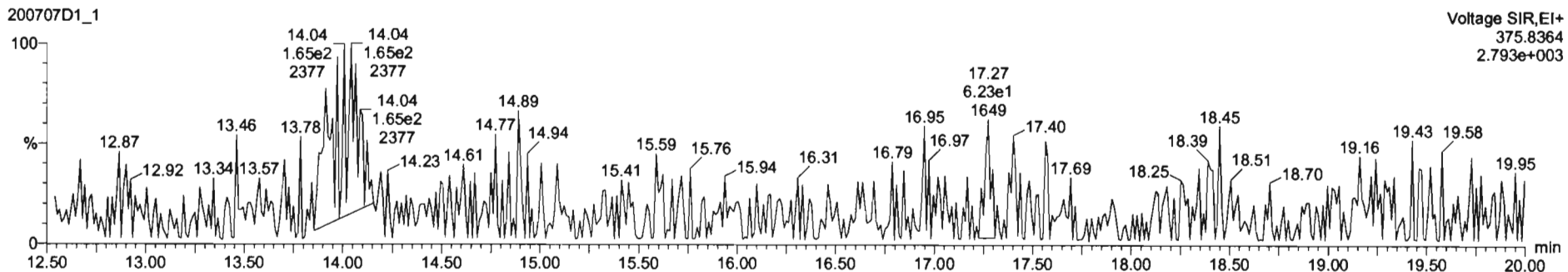
13C-1,2,3,4-TCDD



PFK1



DPE1



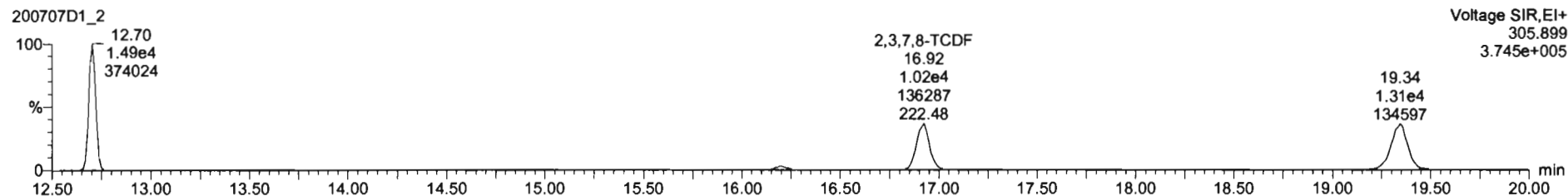
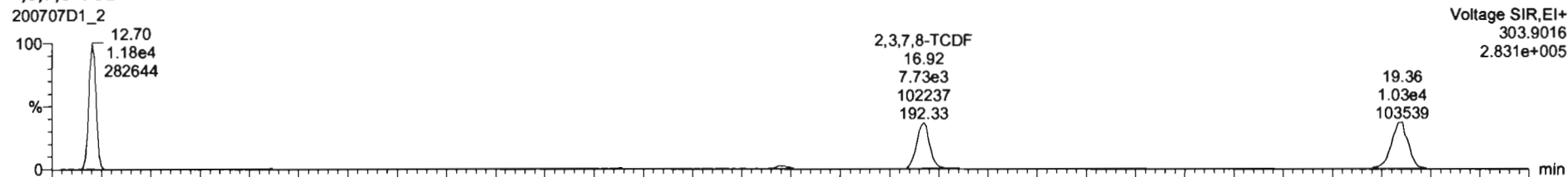
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Last Altered: Tuesday, July 07, 2020 12:12:48 Pacific Daylight Time
Printed: Tuesday, July 07, 2020 12:15:39 Pacific Daylight Time

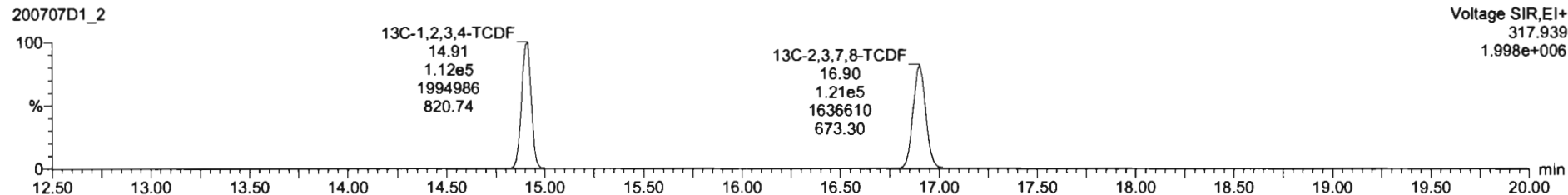
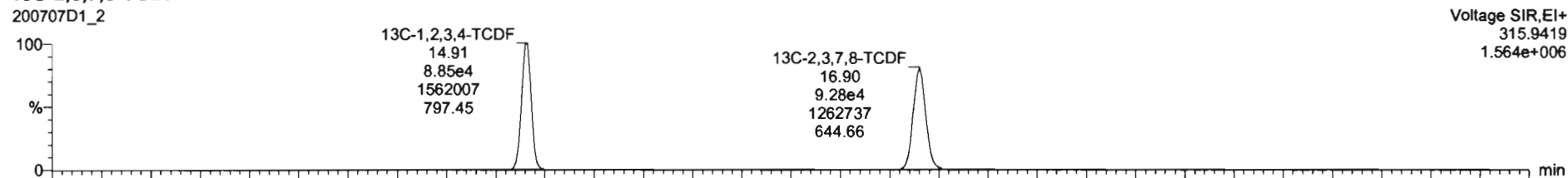
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Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 11:17:56

Name: 200707D1_2, Date: 07-Jul-2020, Time: 11:33:48, ID: ST200707D1-1 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF



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



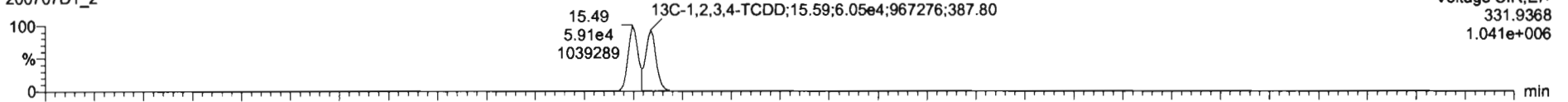
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Printed: Tuesday, July 07, 2020 12:15:39 Pacific Daylight Time

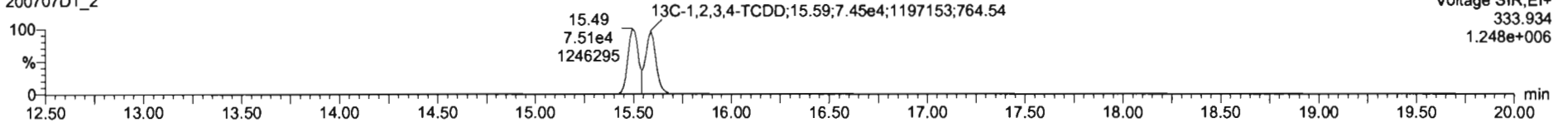
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13C-1,2,3,4-TCDD

200707D1_2

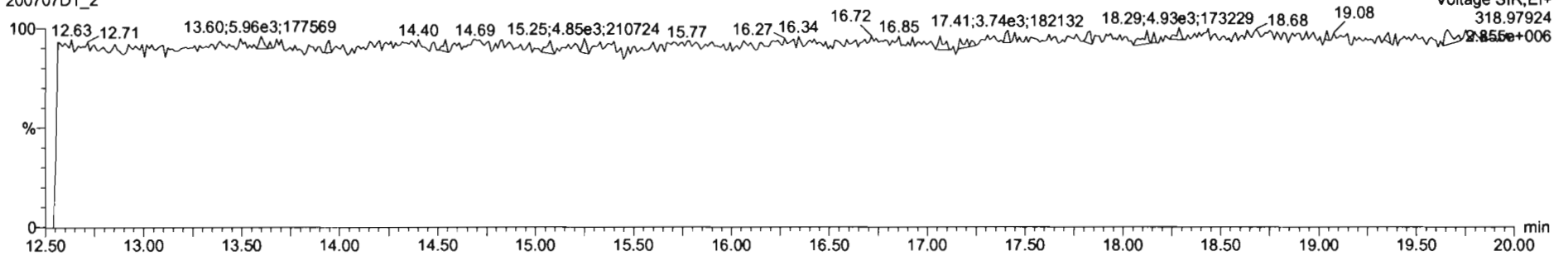


200707D1_2



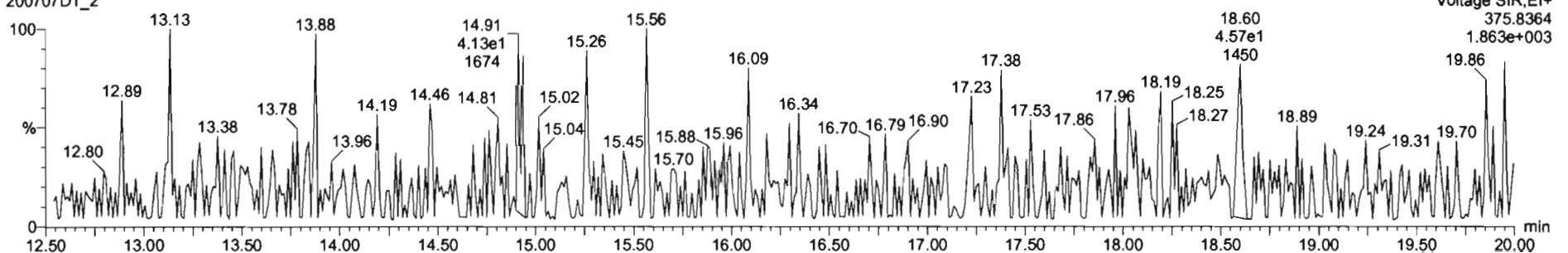
PFK1

200707D1_2



DPE1

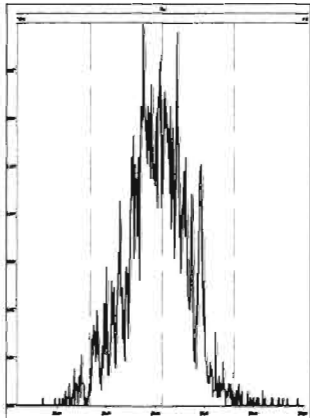
200707D1_2



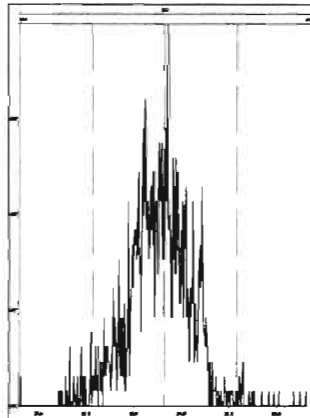
File: Experiment: tcdf_db225.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, July 07, 2020 23:11:31 Pacific Daylight Time

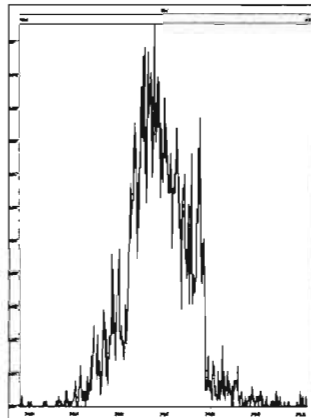
M 292.9824 R 11734



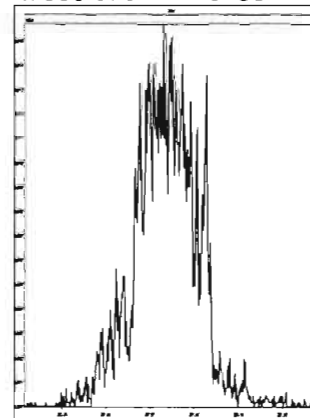
M 304.9824 R 13814



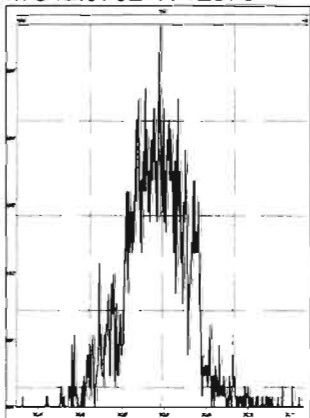
M 318.9792 R 11792



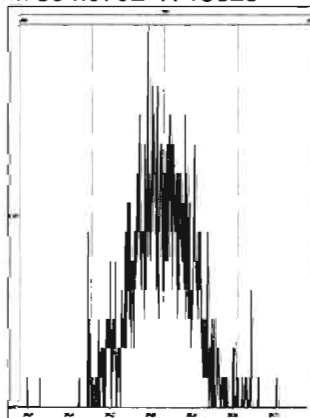
M 330.9792 R 10458



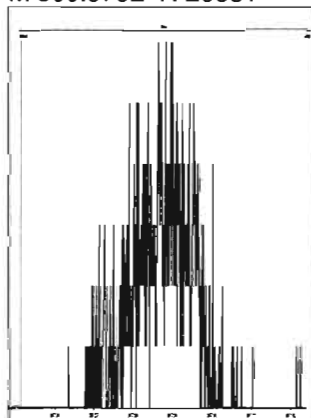
M 342.9792 R 12378



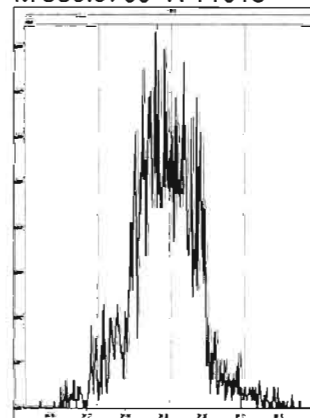
M 354.9792 R 15823



M 366.9792 R 20831



M 380.9760 R 11015



INITIAL CALIBRATION

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

GRB 04/30/2020

CT 04/30/2020

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

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

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

Response Factor: 0.947465

RRF SD: 0.050672, Relative SD: 5.34817

Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	0.250	0.81	NO	26.07	1.002	3.67e3	1.71e6	0.227	-9.3	0.859	MM
2	200429R2_2	0.500	0.73	NO	26.05	1.001	6.88e3	1.49e6	0.486	-2.8	0.921	MM
3	200429R2_3	2.00	0.80	NO	26.05	1.001	2.77e4	1.43e6	2.04	2.1	0.968	MM
4	200429R2_4	10.0	0.76	NO	26.07	1.001	1.43e5	1.49e6	10.1	0.8	0.955	db
5	200429R2_5	40.0	0.79	NO	26.07	1.001	6.85e5	1.74e6	41.5	3.8	0.983	bb
6	200429R2_6	300	0.78	NO	26.05	1.001	6.08e6	2.03e6	316	5.4	0.998	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.942465

RRF SD: 0.0519271, Relative SD: 5.50971

Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	0.59	NO	31.13	1.000	1.26e4	1.18e6	1.13	-9.9	0.849	MM
2	200429R2_2	2.50	0.61	NO	31.14	1.000	2.41e4	1.02e6	2.49	-0.4	0.939	bb
3	200429R2_3	10.0	0.62	NO	31.13	1.000	9.99e4	9.92e5	10.7	6.8	1.01	bb
4	200429R2_4	50.0	0.62	NO	31.13	1.000	5.37e5	1.14e6	49.9	-0.2	0.941	bb
5	200429R2_5	200	0.63	NO	31.14	1.000	2.46e6	1.29e6	202	1.0	0.952	bb
6	200429R2_6	1500	0.63	NO	31.13	1.000	2.34e7	1.61e6	1540	2.6	0.967	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
 Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.06409

RRF SD: 0.0704393, Relative SD: 6.61967

Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.23	NO	34.49	1.000	1.06e4	9.05e5	1.10	-12.2	0.934	bd
2	200429R2_2	2.50	1.24	NO	34.51	1.000	2.05e4	7.45e5	2.58	3.2	1.10	bd
3	200429R2_3	10.0	1.25	NO	34.49	1.000	8.24e4	7.52e5	10.3	3.1	1.10	bd
4	200429R2_4	50.0	1.22	NO	34.51	1.000	4.42e5	8.49e5	48.9	-2.2	1.04	MM
5	200429R2_5	200	1.23	NO	34.51	1.000	2.14e6	9.92e5	203	1.5	1.08	bd
6	200429R2_6	1500	1.23	NO	34.49	1.000	2.19e7	1.29e6	1600	6.6	1.13	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.914514

RRF SD: 0.0597197, Relative SD: 6.53021

Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.18	NO	34.60	1.000	1.19e4	1.16e6	1.12	-10.3	0.820	db
2	200429R2_2	2.50	1.19	NO	34.60	1.000	2.18e4	9.85e5	2.42	-3.1	0.886	db
3	200429R2_3	10.0	1.26	NO	34.60	1.000	9.42e4	9.49e5	10.8	8.4	0.992	db
4	200429R2_4	50.0	1.20	NO	34.60	1.000	4.89e5	1.08e6	49.6	-0.9	0.906	MM
5	200429R2_5	200	1.23	NO	34.61	1.000	2.38e6	1.24e6	210	5.0	0.960	db
6	200429R2_6	1500	1.24	NO	34.60	1.001	2.35e7	1.70e6	1510	0.9	0.922	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.914931

RRF SD: 0.0698725, Relative SD: 7.63691

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.17	NO	34.87	1.000	9.95e3	1.02e6	1.07	-14.6	0.782	MM
2	200429R2_2	2.50	1.21	NO	34.88	1.000	1.98e4	8.50e5	2.55	1.9	0.933	MM

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

Compound name: 1,2,3,7,8,9-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	10.0	1.24	NO	34.88	1.001	8.11e4	8.34e5	10.6	6.3	0.973	bb
4	200429R2_4	50.0	1.24	NO	34.88	1.000	4.19e5	9.34e5	49.1	-1.8	0.898	bb
5	200429R2_5	200	1.24	NO	34.89	1.001	2.07e6	1.09e6	208	4.2	0.953	bb
6	200429R2_6	1500	1.23	NO	34.87	1.000	2.08e7	1.46e6	1560	4.0	0.951	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.897908

RRF SD: 0.0622499, Relative SD: 6.93277

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.08	NO	38.38	1.001	7.93e3	8.17e5	1.08	-13.5	0.777	bb
2	200429R2_2	2.50	1.01	NO	38.37	1.000	1.48e4	6.60e5	2.50	-0.2	0.896	MM
3	200429R2_3	10.0	1.08	NO	38.36	1.000	5.91e4	6.39e5	10.3	3.1	0.925	bd
4	200429R2_4	50.0	0.99	NO	38.38	1.000	3.08e5	6.79e5	50.5	1.0	0.907	bb
5	200429R2_5	200	1.02	NO	38.38	1.000	1.52e6	8.11e5	208	4.1	0.934	bb
6	200429R2_6	1500	1.02	NO	38.37	1.001	1.60e7	1.13e6	1580	5.6	0.948	bb

Compound name: OCDD

Response Factor: 0.93349

RRF SD: 0.0706604, Relative SD: 7.56949

Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	2.50	0.86	NO	41.35	1.000	1.41e4	1.42e6	2.13	-14.8	0.796	MM
2	200429R2_2	5.00	0.91	NO	41.35	1.000	2.79e4	1.21e6	4.96	-0.8	0.926	bd
3	200429R2_3	20.0	0.88	NO	41.34	1.000	1.08e5	1.10e6	21.2	5.8	0.988	MM
4	200429R2_4	100	0.88	NO	41.35	1.000	5.63e5	1.18e6	102	2.5	0.957	MM
5	200429R2_5	400	0.90	NO	41.35	1.000	2.87e6	1.50e6	411	2.7	0.959	MM
6	200429R2_6	3000	0.89	NO	41.34	1.000	3.39e7	2.31e6	3140	4.6	0.976	MM

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
 Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

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

Response Factor: 0.787102

RRF SD: 0.0402419, Relative SD: 5.11266

Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	0.250	0.82	NO	25.09	1.001	4.51e3	2.52e6	0.228	-8.9	0.717	MM
2	200429R2_2	0.500	0.75	NO	25.11	1.001	8.73e3	2.22e6	0.501	0.1	0.788	MM
3	200429R2_3	2.00	0.74	NO	25.11	1.001	3.42e4	2.09e6	2.08	4.1	0.820	bb
4	200429R2_4	10.0	0.74	NO	25.11	1.001	1.65e5	2.15e6	9.76	-2.4	0.768	bb
5	200429R2_5	40.0	0.75	NO	25.12	1.001	8.12e5	2.52e6	41.0	2.4	0.806	bb
6	200429R2_6	300	0.75	NO	25.09	1.001	7.19e6	2.91e6	314	4.7	0.824	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.910199

RRF SD: 0.0533229, Relative SD: 5.85838

Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.63	NO	29.81	1.000	1.97e4	1.94e6	1.12	-10.8	0.812	MM
2	200429R2_2	2.50	1.54	NO	29.83	1.000	3.85e4	1.69e6	2.50	0.1	0.911	MM
3	200429R2_3	10.0	1.57	NO	29.81	1.000	1.60e5	1.64e6	10.7	7.0	0.974	bb
4	200429R2_4	50.0	1.59	NO	29.81	1.000	8.46e5	1.86e6	50.0	0.0	0.910	bb
5	200429R2_5	200	1.55	NO	29.83	1.000	3.84e6	2.07e6	203	1.7	0.926	bb
6	200429R2_6	1500	1.56	NO	29.81	1.000	3.59e7	2.58e6	1530	1.9	0.928	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 0.96636

RRF SD: 0.0480881, Relative SD: 4.97621

Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.49	NO	30.80	1.000	2.03e4	1.84e6	1.14	-8.8	0.881	MM
2	200429R2_2	2.50	1.53	NO	30.82	1.000	3.90e4	1.62e6	2.50	-0.1	0.966	MM

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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	10.0	1.60	NO	30.80	1.000	1.61e5	1.57e6	10.6	6.4	1.03	bb
4	200429R2_4	50.0	1.56	NO	30.80	1.000	8.75e5	1.82e6	49.8	-0.4	0.962	bb
5	200429R2_5	200	1.55	NO	30.82	1.000	3.97e6	2.01e6	204	2.1	0.987	bb
6	200429R2_6	1500	1.54	NO	30.81	1.000	3.66e7	2.51e6	1510	0.7	0.973	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 0.878238

RRF SD: 0.066642, Relative SD: 7.58815

Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.13	NO	33.64	1.001	1.14e4	1.22e6	1.06	-14.9	0.748	bd
2	200429R2_2	2.50	1.21	NO	33.64	1.000	2.26e4	1.02e6	2.52	0.9	0.886	bd
3	200429R2_3	10.0	1.22	NO	33.63	1.000	9.51e4	1.02e6	10.6	6.4	0.935	bd
4	200429R2_4	50.0	1.22	NO	33.64	1.000	5.03e5	1.13e6	50.6	1.1	0.888	bd
5	200429R2_5	200	1.19	NO	33.64	1.000	2.34e6	1.31e6	204	2.1	0.896	bd
6	200429R2_6	1500	1.19	NO	33.63	1.000	2.35e7	1.71e6	1570	4.4	0.917	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 0.873971

RRF SD: 0.0632141, Relative SD: 7.23298

Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.23	NO	33.76	1.001	1.35e4	1.41e6	1.09	-12.6	0.763	MM
2	200429R2_2	2.50	1.19	NO	33.76	1.000	2.55e4	1.18e6	2.46	-1.4	0.861	db
3	200429R2_3	10.0	1.20	NO	33.76	1.001	1.09e5	1.14e6	11.0	9.5	0.957	dd
4	200429R2_4	50.0	1.17	NO	33.76	1.000	5.58e5	1.26e6	50.6	1.2	0.885	db
5	200429R2_5	200	1.19	NO	33.77	1.001	2.62e6	1.46e6	205	2.7	0.897	db
6	200429R2_6	1500	1.19	NO	33.75	1.000	2.52e7	1.91e6	1510	0.7	0.880	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 0.921711

RRF SD: 0.0708547, Relative SD: 7.6873

Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.14	NO	34.32	1.000	1.24e4	1.26e6	1.07	-14.7	0.786	bb
2	200429R2_2	2.50	1.16	NO	34.33	1.001	2.38e4	1.05e6	2.46	-1.5	0.908	MM
3	200429R2_3	10.0	1.22	NO	34.32	1.000	1.02e5	1.03e6	10.7	7.1	0.987	bb
4	200429R2_4	50.0	1.17	NO	34.33	1.000	5.42e5	1.14e6	51.6	3.2	0.951	bb
5	200429R2_5	200	1.19	NO	34.33	1.000	2.49e6	1.31e6	206	3.0	0.950	bb
6	200429R2_6	1500	1.19	NO	34.33	1.000	2.48e7	1.74e6	1540	2.9	0.948	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 0.864187

RRF SD: 0.0516808, Relative SD: 5.98028

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	1.22	NO	35.21	1.000	9.52e3	9.91e5	1.11	-11.0	0.769	MM
2	200429R2_2	2.50	1.21	NO	35.21	1.000	1.86e4	8.77e5	2.45	-1.8	0.848	MM
3	200429R2_3	10.0	1.22	NO	35.21	1.000	7.78e4	8.59e5	10.5	4.9	0.906	bb
4	200429R2_4	50.0	1.17	NO	35.22	1.000	4.02e5	9.29e5	50.1	0.2	0.866	bb
5	200429R2_5	200	1.19	NO	35.22	1.000	1.99e6	1.11e6	207	3.7	0.896	bb
6	200429R2_6	1500	1.20	NO	35.21	1.000	1.98e7	1.47e6	1560	4.0	0.899	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 0.871204

RRF SD: 0.0656544, Relative SD: 7.53606

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	0.99	NO	36.94	1.000	8.60e3	9.24e5	1.07	-14.5	0.745	MM
2	200429R2_2	2.50	1.00	NO	36.97	1.001	1.73e4	7.84e5	2.54	1.5	0.884	MM

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Compound name: 1,2,3,4,6,7,8-HpCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	10.0	0.95	NO	36.96	1.000	6.95e4	7.69e5	10.4	3.7	0.903	MM
4	200429R2_4	50.0	0.96	NO	36.97	1.000	3.72e5	8.65e5	49.4	-1.2	0.861	bb
5	200429R2_5	200	0.99	NO	36.97	1.000	1.79e6	9.81e5	210	5.0	0.914	bb
6	200429R2_6	1500	0.99	NO	36.96	1.001	1.89e7	1.37e6	1580	5.5	0.919	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.01156

RRF SD: 0.0670054, Relative SD: 6.62397

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	1.25	0.97	NO	38.95	1.000	6.68e3	5.96e5	1.11	-11.4	0.897	MM
2	200429R2_2	2.50	0.96	NO	38.95	1.000	1.20e4	4.92e5	2.41	-3.7	0.974	MM
3	200429R2_3	10.0	1.01	NO	38.95	1.000	4.94e4	4.72e5	10.4	3.5	1.05	MM
4	200429R2_4	50.0	1.00	NO	38.96	1.000	2.60e5	5.12e5	50.2	0.3	1.01	bb
5	200429R2_5	200	0.99	NO	38.96	1.000	1.29e6	6.09e5	209	4.7	1.06	bb
6	200429R2_6	1500	0.99	NO	38.94	1.000	1.43e7	8.85e5	1600	6.5	1.08	bb

Compound name: OCDF

Response Factor: 0.802147

RRF SD: 0.0574516, Relative SD: 7.16223

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	2.50	0.84	NO	41.52	1.000	1.41e4	1.62e6	2.17	-13.4	0.695	MM
2	200429R2_2	5.00	0.85	NO	41.52	1.000	2.74e4	1.40e6	4.88	-2.4	0.783	MM
3	200429R2_3	20.0	0.88	NO	41.52	1.000	1.07e5	1.27e6	21.0	5.0	0.842	bb
4	200429R2_4	100	0.86	NO	41.53	1.000	5.36e5	1.32e6	101	1.3	0.813	bb
5	200429R2_5	400	0.87	NO	41.53	1.000	2.84e6	1.69e6	420	5.0	0.842	bb
6	200429R2_6	3000	0.87	NO	41.52	1.000	3.30e7	2.63e6	3130	4.4	0.838	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.15948

RRF SD: 0.103741, Relative SD: 8.94721

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.79	NO	26.02	1.027	1.71e6	1.32e6	112	11.9	1.30	bb
2	200429R2_2	100	0.79	NO	26.03	1.027	1.49e6	1.44e6	89.7	-10.3	1.04	bb
3	200429R2_3	100	0.80	NO	26.02	1.026	1.43e6	1.38e6	89.4	-10.6	1.04	bb
4	200429R2_4	100	0.80	NO	26.03	1.027	1.49e6	1.28e6	100	0.3	1.16	bb
5	200429R2_5	100	0.79	NO	26.03	1.027	1.74e6	1.45e6	103	3.3	1.20	MM
6	200429R2_6	100	0.79	NO	26.02	1.027	2.03e6	1.66e6	105	5.4	1.22	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.847234

RRF SD: 0.105802, Relative SD: 12.488

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.64	NO	31.11	1.227	1.18e6	1.32e6	106	6.2	0.900	bb
2	200429R2_2	100	0.65	NO	31.13	1.227	1.02e6	1.44e6	84.2	-15.8	0.713	bb
3	200429R2_3	100	0.64	NO	31.11	1.227	9.92e5	1.38e6	84.9	-15.1	0.719	bb
4	200429R2_4	100	0.65	NO	31.11	1.227	1.14e6	1.28e6	105	5.0	0.889	bb
5	200429R2_5	100	0.63	NO	31.13	1.227	1.29e6	1.45e6	105	5.1	0.890	bb
6	200429R2_6	100	0.64	NO	31.11	1.227	1.61e6	1.66e6	115	14.6	0.971	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.749916

RRF SD: 0.0958664, Relative SD: 12.7836

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.27	NO	34.48	1.014	9.05e5	1.10e6	109	9.5	0.821	bd
2	200429R2_2	100	1.30	NO	34.49	1.014	7.45e5	1.19e6	83.5	-16.5	0.626	bd

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Compound name: 13C-1,2,3,4,7,8-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	100	1.29	NO	34.48	1.014	7.52e5	1.15e6	87.1	-12.9	0.653	bd
4	200429R2_4	100	1.29	NO	34.49	1.014	8.49e5	1.15e6	98.6	-1.4	0.739	bd
5	200429R2_5	100	1.28	NO	34.49	1.014	9.92e5	1.26e6	105	5.3	0.790	bd
6	200429R2_6	100	1.27	NO	34.48	1.014	1.29e6	1.48e6	116	16.0	0.870	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.963047

RRF SD: 0.127006, Relative SD: 13.1879

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.28	NO	34.59	1.017	1.16e6	1.10e6	109	9.3	1.05	db
2	200429R2_2	100	1.29	NO	34.59	1.017	9.85e5	1.19e6	85.9	-14.1	0.827	db
3	200429R2_3	100	1.29	NO	34.59	1.017	9.49e5	1.15e6	85.7	-14.3	0.825	db
4	200429R2_4	100	1.26	NO	34.59	1.017	1.08e6	1.15e6	97.7	-2.3	0.941	db
5	200429R2_5	100	1.27	NO	34.60	1.017	1.24e6	1.26e6	102	2.2	0.985	db
6	200429R2_6	100	1.26	NO	34.58	1.017	1.70e6	1.48e6	119	19.2	1.15	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.83755

RRF SD: 0.108482, Relative SD: 12.9523

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.31	NO	34.86	1.025	1.02e6	1.10e6	110	10.2	0.923	bd
2	200429R2_2	100	1.28	NO	34.87	1.025	8.50e5	1.19e6	85.2	-14.8	0.713	bb
3	200429R2_3	100	1.25	NO	34.86	1.025	8.34e5	1.15e6	86.5	-13.5	0.724	bb
4	200429R2_4	100	1.25	NO	34.87	1.025	9.34e5	1.15e6	97.2	-2.8	0.814	bb
5	200429R2_5	100	1.25	NO	34.87	1.025	1.09e6	1.26e6	103	3.2	0.864	bb
6	200429R2_6	100	1.25	NO	34.86	1.025	1.46e6	1.48e6	118	17.7	0.986	bb

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

Response Factor: 0.641477

RRF SD: 0.0915679, Relative SD: 14.2745

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.06	NO	38.35	1.128	8.17e5	1.10e6	116	15.5	0.741	bd
2	200429R2_2	100	1.06	NO	38.36	1.128	6.60e5	1.19e6	86.4	-13.6	0.554	MM
3	200429R2_3	100	1.02	NO	38.36	1.128	6.39e5	1.15e6	86.5	-13.5	0.555	bb
4	200429R2_4	100	1.09	NO	38.37	1.128	6.79e5	1.15e6	92.2	-7.8	0.592	MM
5	200429R2_5	100	1.02	NO	38.37	1.128	8.11e5	1.26e6	101	0.6	0.646	bb
6	200429R2_6	100	1.05	NO	38.35	1.128	1.13e6	1.48e6	119	18.7	0.761	bb

Compound name: 13C-OCDD

Response Factor: 0.586321

RRF SD: 0.114579, Relative SD: 19.5421

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	200	0.89	NO	41.34	1.216	1.42e6	1.10e6	220	9.8	0.644	MM
2	200429R2_2	200	0.90	NO	41.34	1.215	1.21e6	1.19e6	173	-13.7	0.506	MM
3	200429R2_3	200	0.93	NO	41.33	1.215	1.10e6	1.15e6	162	-18.8	0.476	MM
4	200429R2_4	200	0.93	NO	41.34	1.215	1.18e6	1.15e6	175	-12.5	0.513	MM
5	200429R2_5	200	0.90	NO	41.34	1.215	1.50e6	1.26e6	203	1.7	0.597	MM
6	200429R2_6	200	0.90	NO	41.33	1.215	2.31e6	1.48e6	267	33.4	0.782	MM

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.03447

RRF SD: 0.0994265, Relative SD: 9.61138

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.78	NO	25.08	0.989	2.52e6	2.12e6	115	14.8	1.19	bb
2	200429R2_2	100	0.78	NO	25.09	0.989	2.22e6	2.37e6	90.3	-9.7	0.934	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
 Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

Compound name: 13C-2,3,7,8-TCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	100	0.78	NO	25.08	0.989	2.09e6	2.27e6	89.0	-11.0	0.920	bb
4	200429R2_4	100	0.77	NO	25.09	0.989	2.15e6	2.10e6	99.1	-0.9	1.03	bb
5	200429R2_5	100	0.79	NO	25.09	0.989	2.52e6	2.38e6	102	2.1	1.06	bb
6	200429R2_6	100	0.77	NO	25.08	0.989	2.91e6	2.69e6	105	4.7	1.08	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.84507

RRF SD: 0.102566, Relative SD: 12.137

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.60	NO	29.80	1.176	1.94e6	2.12e6	108	8.3	0.915	bb
2	200429R2_2	100	1.62	NO	29.81	1.176	1.69e6	2.37e6	84.4	-15.6	0.713	bb
3	200429R2_3	100	1.61	NO	29.80	1.175	1.64e6	2.27e6	85.7	-14.3	0.724	bb
4	200429R2_4	100	1.63	NO	29.80	1.175	1.86e6	2.10e6	105	4.9	0.886	bb
5	200429R2_5	100	1.58	NO	29.81	1.176	2.07e6	2.38e6	103	3.0	0.871	bb
6	200429R2_6	100	1.59	NO	29.80	1.176	2.58e6	2.69e6	114	13.7	0.960	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.814071

RRF SD: 0.103739, Relative SD: 12.7432

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	1.58	NO	30.79	1.215	1.84e6	2.12e6	107	6.7	0.869	bb
2	200429R2_2	100	1.59	NO	30.80	1.215	1.62e6	2.37e6	83.6	-16.4	0.681	db
3	200429R2_3	100	1.58	NO	30.79	1.214	1.57e6	2.27e6	84.8	-15.2	0.691	db
4	200429R2_4	100	1.60	NO	30.79	1.214	1.82e6	2.10e6	107	6.5	0.867	db
5	200429R2_5	100	1.60	NO	30.80	1.215	2.01e6	2.38e6	104	3.7	0.844	db
6	200429R2_6	100	1.58	NO	30.79	1.215	2.51e6	2.69e6	115	14.6	0.933	db

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.00488

RRF SD: 0.118528, Relative SD: 11.7952

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.50	NO	33.62	0.989	1.22e6	1.10e6	110	10.1	1.11	bd
2	200429R2_2	100	0.51	NO	33.63	0.989	1.02e6	1.19e6	85.4	-14.6	0.858	bd
3	200429R2_3	100	0.51	NO	33.62	0.988	1.02e6	1.15e6	88.0	-12.0	0.884	bd
4	200429R2_4	100	0.51	NO	33.63	0.989	1.13e6	1.15e6	98.3	-1.7	0.987	bd
5	200429R2_5	100	0.51	NO	33.63	0.988	1.31e6	1.26e6	103	3.5	1.04	bd
6	200429R2_6	100	0.51	NO	33.62	0.989	1.71e6	1.48e6	115	14.9	1.15	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.13681

RRF SD: 0.13421, Relative SD: 11.8059

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.51	NO	33.74	0.992	1.41e6	1.10e6	113	12.9	1.28	db
2	200429R2_2	100	0.52	NO	33.75	0.992	1.18e6	1.19e6	87.4	-12.6	0.994	db
3	200429R2_3	100	0.51	NO	33.74	0.992	1.14e6	1.15e6	87.0	-13.0	0.990	db
4	200429R2_4	100	0.51	NO	33.75	0.992	1.26e6	1.15e6	96.7	-3.3	1.10	db
5	200429R2_5	100	0.51	NO	33.75	0.992	1.46e6	1.26e6	102	2.3	1.16	db
6	200429R2_6	100	0.51	NO	33.74	0.992	1.91e6	1.48e6	114	13.7	1.29	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.02233

RRF SD: 0.123256, Relative SD: 12.0564

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.52	NO	34.31	1.009	1.26e6	1.10e6	112	11.8	1.14	MM
2	200429R2_2	100	0.51	NO	34.31	1.009	1.05e6	1.19e6	86.2	-13.8	0.881	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

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Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	100	0.52	NO	34.31	1.009	1.03e6	1.15e6	87.6	-12.4	0.895	bb
4	200429R2_4	100	0.51	NO	34.33	1.009	1.14e6	1.15e6	97.2	-2.8	0.993	bb
5	200429R2_5	100	0.51	NO	34.33	1.009	1.31e6	1.26e6	102	2.1	1.04	bb
6	200429R2_6	100	0.51	NO	34.31	1.009	1.74e6	1.48e6	115	15.2	1.18	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.844773

RRF SD: 0.0991685, Relative SD: 11.7391

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.51	NO	35.20	1.035	9.91e5	1.10e6	106	6.4	0.899	bb
2	200429R2_2	100	0.51	NO	35.20	1.035	8.77e5	1.19e6	87.2	-12.8	0.737	bb
3	200429R2_3	100	0.50	NO	35.20	1.035	8.59e5	1.15e6	88.3	-11.7	0.746	bb
4	200429R2_4	100	0.51	NO	35.21	1.035	9.29e5	1.15e6	95.9	-4.1	0.810	MM
5	200429R2_5	100	0.51	NO	35.21	1.035	1.11e6	1.26e6	105	4.6	0.883	bb
6	200429R2_6	100	0.52	NO	35.20	1.035	1.47e6	1.48e6	118	17.6	0.994	bb

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

Response Factor: 0.771212

RRF SD: 0.102676, Relative SD: 13.3136

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.43	NO	36.93	1.086	9.24e5	1.10e6	109	8.6	0.838	bb
2	200429R2_2	100	0.43	NO	36.94	1.086	7.84e5	1.19e6	85.4	-14.6	0.659	bb
3	200429R2_3	100	0.44	NO	36.94	1.086	7.69e5	1.15e6	86.7	-13.3	0.668	bd
4	200429R2_4	100	0.43	NO	36.96	1.086	8.65e5	1.15e6	97.7	-2.3	0.754	bd
5	200429R2_5	100	0.42	NO	36.96	1.086	9.81e5	1.26e6	101	1.2	0.781	bb
6	200429R2_6	100	0.44	NO	36.93	1.086	1.37e6	1.48e6	120	20.3	0.928	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.482289

RRF SD: 0.0750769, Relative SD: 15.5668

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.41	NO	38.94	1.145	5.96e5	1.10e6	112	12.1	0.541	bb
2	200429R2_2	100	0.44	NO	38.94	1.145	4.92e5	1.19e6	85.7	-14.3	0.413	MM
3	200429R2_3	100	0.45	NO	38.94	1.145	4.72e5	1.15e6	85.0	-15.0	0.410	MM
4	200429R2_4	100	0.44	NO	38.95	1.145	5.12e5	1.15e6	92.5	-7.5	0.446	MM
5	200429R2_5	100	0.43	NO	38.95	1.145	6.09e5	1.26e6	101	0.6	0.485	bb
6	200429R2_6	100	0.43	NO	38.93	1.145	8.85e5	1.48e6	124	24.1	0.598	bb

Compound name: 13C-OCDF

Response Factor: 0.668505

RRF SD: 0.127842, Relative SD: 19.1235

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	200	0.88	NO	41.51	1.221	1.62e6	1.10e6	220	9.9	0.735	bb
2	200429R2_2	200	0.86	NO	41.51	1.220	1.40e6	1.19e6	176	-12.0	0.588	MM
3	200429R2_3	200	0.89	NO	41.51	1.220	1.27e6	1.15e6	165	-17.4	0.552	bd
4	200429R2_4	200	0.88	NO	41.52	1.221	1.32e6	1.15e6	172	-14.0	0.575	bb
5	200429R2_5	200	0.87	NO	41.52	1.220	1.69e6	1.26e6	201	0.5	0.672	bb
6	200429R2_6	200	0.88	NO	41.51	1.221	2.63e6	1.48e6	266	33.0	0.889	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.09842

RRF SD: 0.0959308, Relative SD: 8.73354

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	0.250			26.05	1.028	3.33e3	1.32e6	0.230	-7.9	1.01	bb
2	200429R2_2	0.500			26.07	1.028	7.64e3	1.44e6	0.484	-3.2	1.06	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time
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Compound name: 37CI-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200429R2_3	2.00			26.05	1.027	2.74e4	1.38e6	1.81	-9.5	0.994	bd
4	200429R2_4	10.0			26.05	1.027	1.41e5	1.28e6	10.0	0.4	1.10	bb
5	200429R2_5	40.0			26.07	1.028	6.87e5	1.45e6	43.0	7.5	1.18	bb
6	200429R2_6	200			26.05	1.028	4.11e6	1.66e6	225	12.7	1.24	bb

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.80	NO	25.35	1.000	1.32e6	1.32e6	100	0.0	1.00	bb
2	200429R2_2	100	0.80	NO	25.36	1.000	1.44e6	1.44e6	100	0.0	1.00	bb
3	200429R2_3	100	0.81	NO	25.36	1.000	1.38e6	1.38e6	100	0.0	1.00	bb
4	200429R2_4	100	0.80	NO	25.36	1.000	1.28e6	1.28e6	100	0.0	1.00	bb
5	200429R2_5	100	0.81	NO	25.36	1.000	1.45e6	1.45e6	100	0.0	1.00	bb
6	200429R2_6	100	0.80	NO	25.35	1.000	1.66e6	1.66e6	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.79	NO	23.57	1.000	2.12e6	2.12e6	100	0.0	1.00	bb
2	200429R2_2	100	0.79	NO	23.58	1.000	2.37e6	2.37e6	100	0.0	1.00	bb
3	200429R2_3	100	0.79	NO	23.58	1.000	2.27e6	2.27e6	100	0.0	1.00	bb
4	200429R2_4	100	0.79	NO	23.59	1.000	2.10e6	2.10e6	100	0.0	1.00	bb
5	200429R2_5	100	0.79	NO	23.59	1.000	2.38e6	2.38e6	100	0.0	1.00	bb
6	200429R2_6	100	0.79	NO	23.57	1.000	2.69e6	2.69e6	100	0.0	1.00	bb

Dataset: U:\VG12.PRO\Results\200429R2\200429R2-CRV.qld

Last Altered: Thursday, April 30, 2020 7:35:23 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 7:56:51 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200429R2_1	100	0.51	NO	34.01	1.000	1.10e6	1.10e6	100	0.0	1.00	bb
2	200429R2_2	100	0.50	NO	34.01	1.000	1.19e6	1.19e6	100	0.0	1.00	bb
3	200429R2_3	100	0.51	NO	34.01	1.000	1.15e6	1.15e6	100	0.0	1.00	bb
4	200429R2_4	100	0.50	NO	34.01	1.000	1.15e6	1.15e6	100	0.0	1.00	bb
5	200429R2_5	100	0.51	NO	34.03	1.000	1.26e6	1.26e6	100	0.0	1.00	bb
6	200429R2_6	100	0.51	NO	34.01	1.000	1.48e6	1.48e6	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:02 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 8:40:20 AM Pacific Daylight Time

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

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

Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.90
2	2 1,2,8,9-TCDD (Last)	27.05
3	3 1,2,4,7,9-PeCDD (First)	28.88
4	4 1,2,3,8,9-PeCDD (Last)	31.52
5	5 1,2,4,6,7,9-HxCDD (First)	33.04
6	6 1,2,3,7,8,9-HxCDD (Last)	34.88
7	7 1,2,3,4,6,7,9-HpCDD (First)	37.35
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.38
9	9 1,3,6,8-TCDF (First)	19.85
10	10 1,2,8,9-TCDF (Last)	27.19
11	11 1,3,4,6,8-PeCDF (First)	27.17
12	12 1,2,3,8,9-PeCDF (Last)	31.75
13	13 1,2,3,4,6,8-HxCDF (First)	32.47
14	14 1,2,3,7,8,9-HxCDF (Last)	35.22
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.97
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.96

Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:02 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 8:40:20 AM Pacific Daylight Time

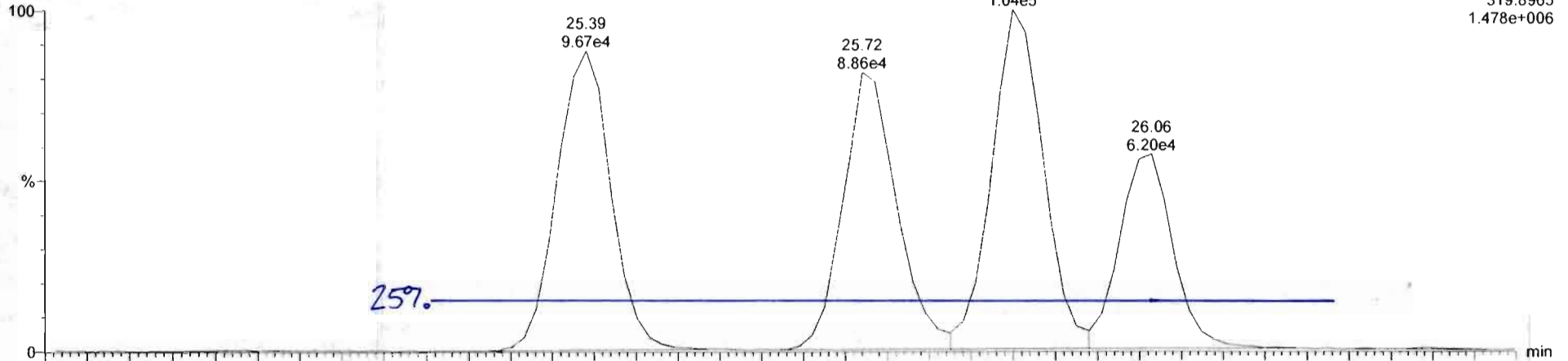
GPB 04/30/2020

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

Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

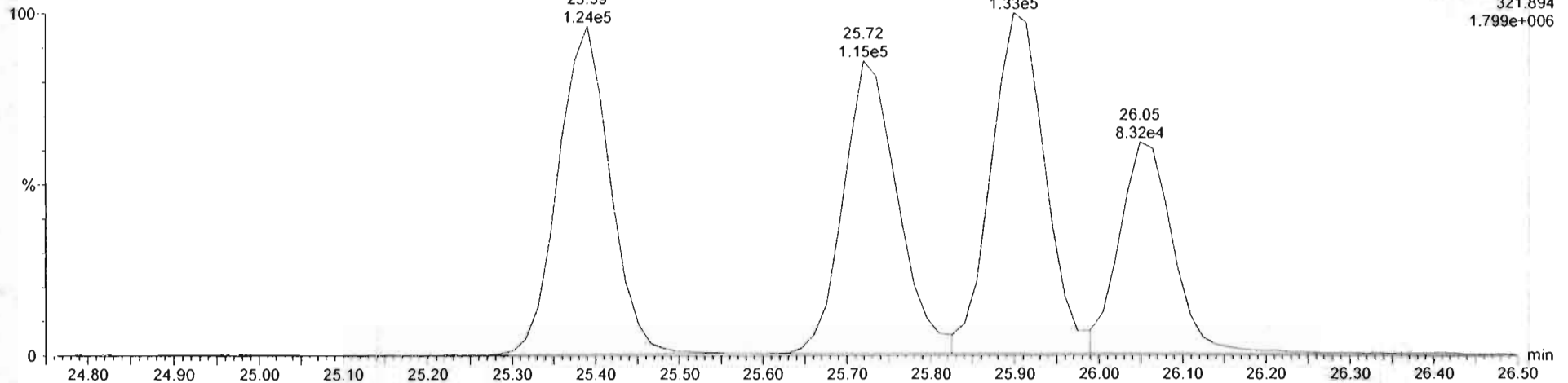
1,3,6,8-TCDD (First)
200429R2_4

F1:Voltage SIR,EI+
319.8965
1.478e+006



200429R2_4

F1:Voltage SIR,EI+
321.894
1.799e+006



Dataset: Untitled

Last Altered: Thursday, April 30, 2020 8:40:43 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 8:41:41 AM Pacific Daylight Time

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

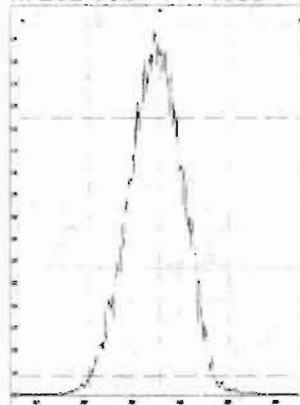
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200429R2_1	ST200429R2_1 1613 CS0 19L2302	29-Apr-20	13:27:25
2	200429R2_2	ST200429R2_2 1613 CS1 19L2303	29-Apr-20	14:15:04
3	200429R2_3	ST200429R2_3 1613 CS2 19L2304	29-Apr-20	15:02:24
4	200429R2_4	ST200429R2_4 1613 CS3 19L2305	29-Apr-20	15:48:39
5	200429R2_5	ST200429R2_5 1613 CS4 19L2306	29-Apr-20	16:35:58
6	200429R2_6	ST200429R2_6 1613 CS5 19L2307	29-Apr-20	17:23:21
7	200429R2_7	SOLVENT BLANK	29-Apr-20	18:10:44
8	200429R2_8	SS200429R2_1 1613 SSS 19L2308	29-Apr-20	18:58:05
9	200429R2_9	B0C0304-BS4 OPR 10	29-Apr-20	19:54:24
10	200429R2_10	B0C0304-BS3 OPR 10	29-Apr-20	20:40:38
11	200429R2_11	B0C0304-BS2 OPR 10	29-Apr-20	21:28:00
12	200429R2_12	B0C0304-BS1 OPR 10	29-Apr-20	22:15:28
13	200429R2_13	B0D0053-BS4 OPR 10	29-Apr-20	23:02:49
14	200429R2_14	B0D0053-BS3 OPR 10	29-Apr-20	23:50:11
15	200429R2_15	B0D0053-BS2 OPR 10	30-Apr-20	00:37:32
16	200429R2_16	B0D0053-BS1 OPR 10	30-Apr-20	01:24:55
17	200429R2_17	SOLVENT BLANK	30-Apr-20	02:12:17
18	200429R2_18	B0D0053-BLK1 Method Blank 10	30-Apr-20	02:59:37
19	200429R2_19	SOLVENT BLANK	30-Apr-20	03:55:52

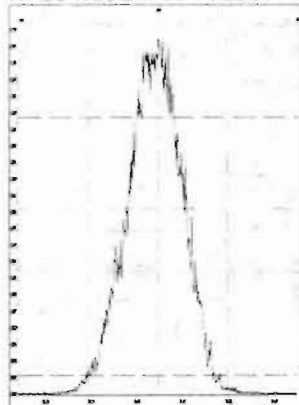
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, April 29, 2020 13:21:30 Pacific Daylight Time

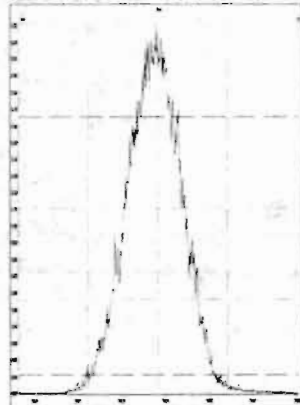
M 292.9824 R 11363



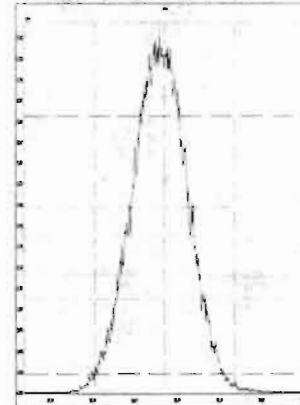
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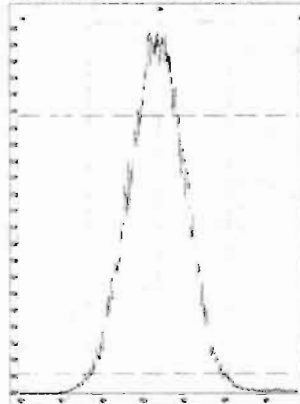
M 318.9792 R 11211



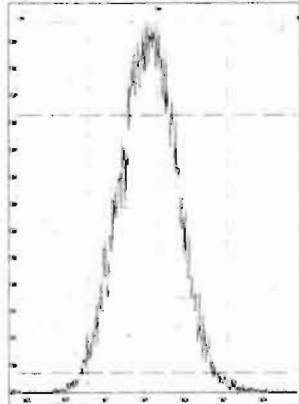
M 330.9792 R 11311



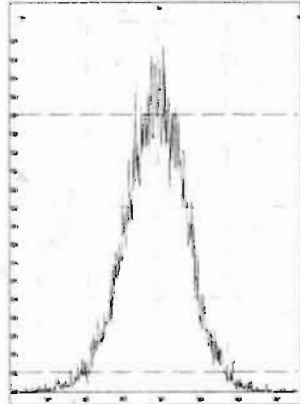
M 342.9792 R 10772



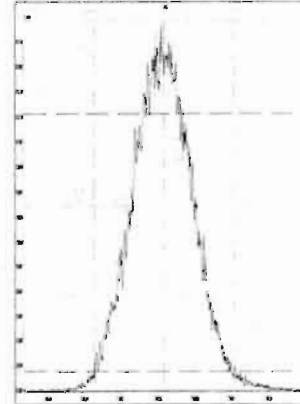
M 354.9792 R 10729



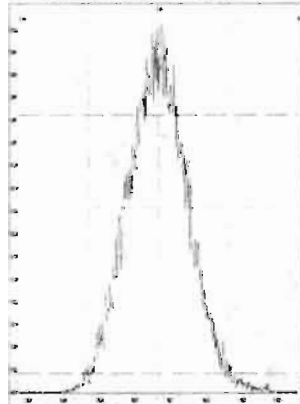
M 366.9792 R 10078



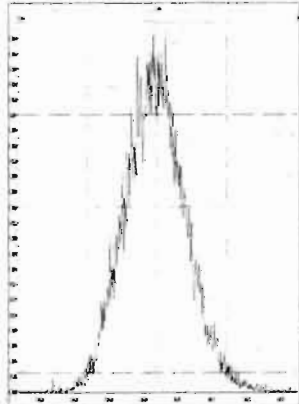
M 380.9760 R 10288



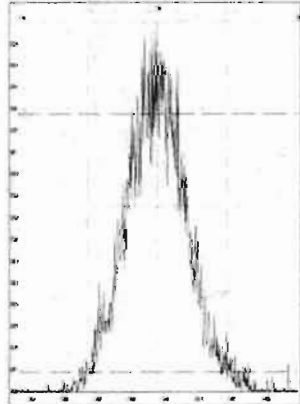
M 392.9760 R 10371



M 404.9760 R 10417



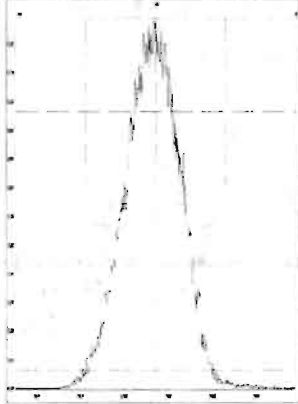
M 416.9760 R 10964



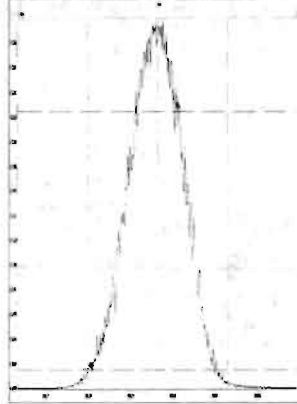
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, April 29, 2020 13:22:18 Pacific Daylight Time

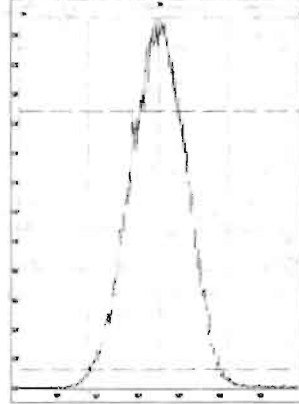
M 318.9792 R 11365



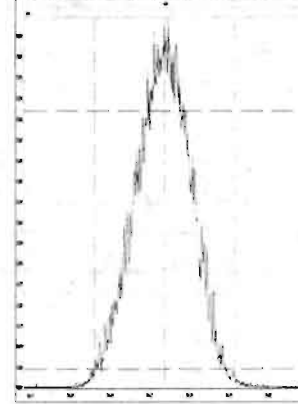
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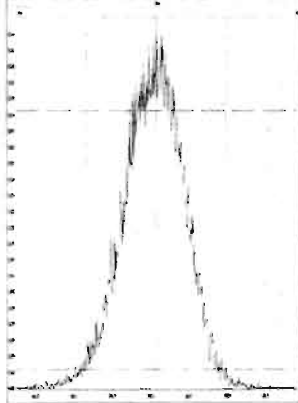
M 342.9792 R 10824



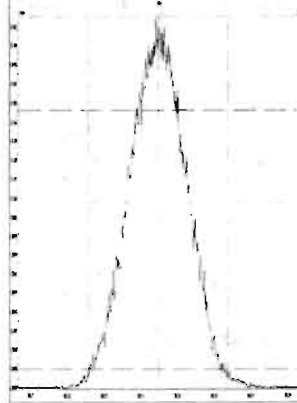
M 354.9792 R 11312



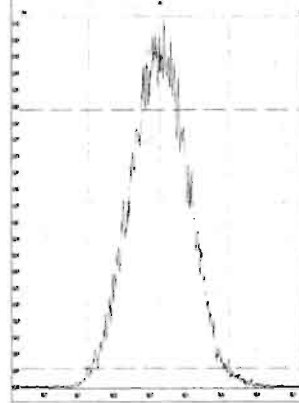
M 366.9792 R 10371



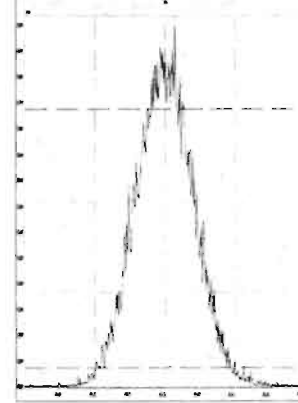
M 380.9760 R 10772



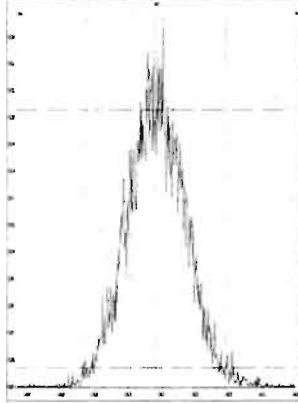
M 392.9760 R 10916



M 404.9760 R 10370



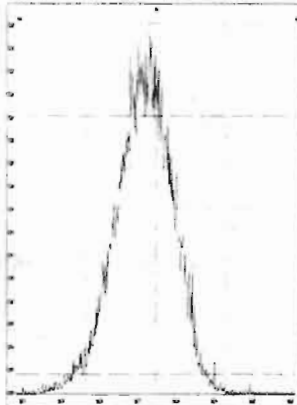
M 416.9760 R 10916



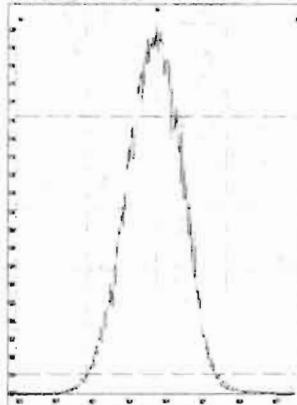
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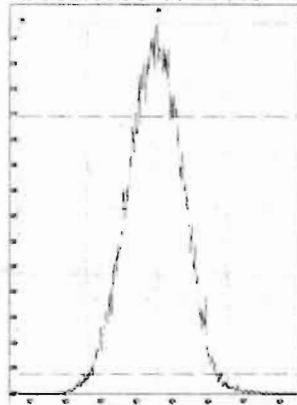
M 366.9792 R 11519



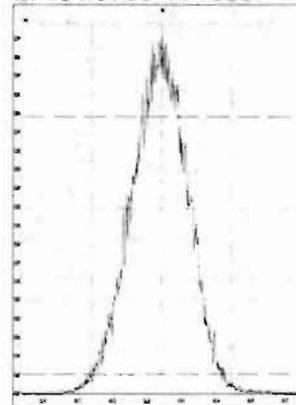
M 380.9760 R 10914



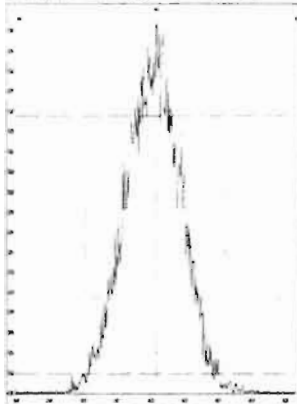
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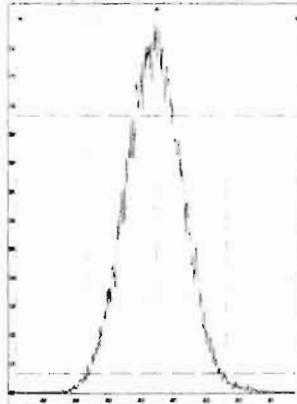
M 404.9760 R 10867



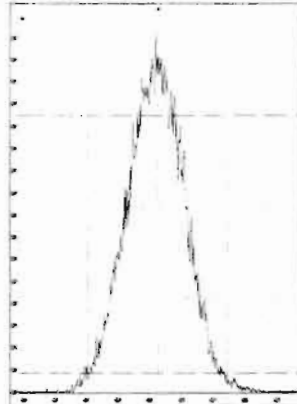
M 416.9760 R 11210



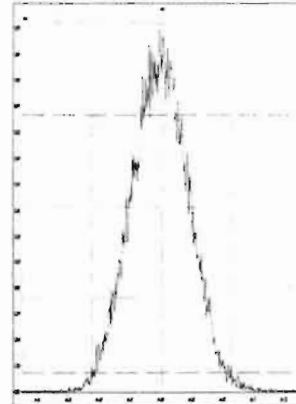
M 430.9728 R 10637



M 442.9728 R 10917



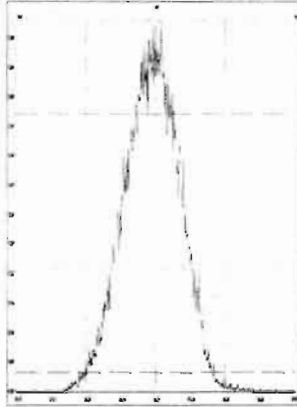
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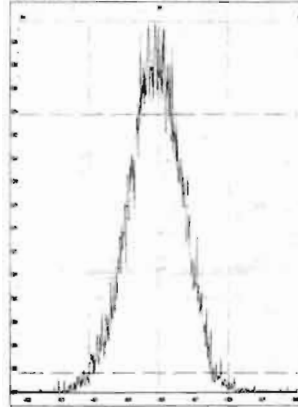
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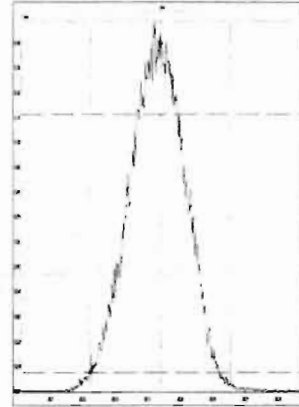
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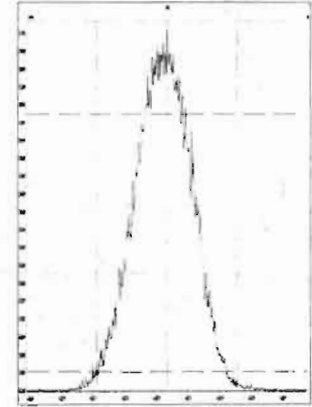
M 416.9760 R 11313



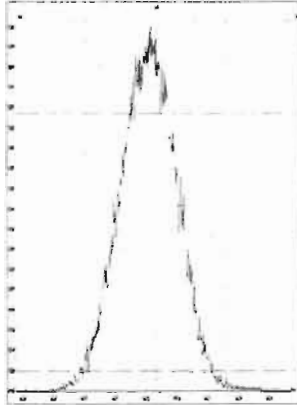
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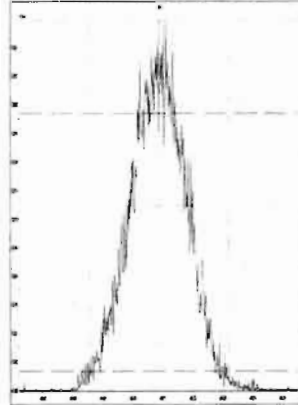
M 442.9728 R 10867



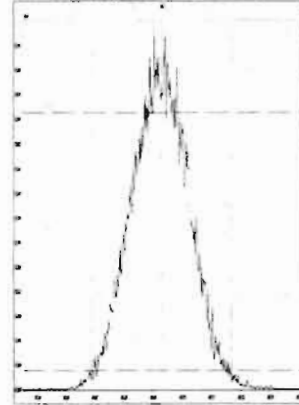
M 454.9728 R 10729



M 466.9728 R 11846



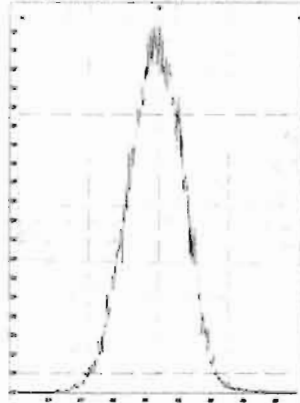
M 480.9696 R 10776



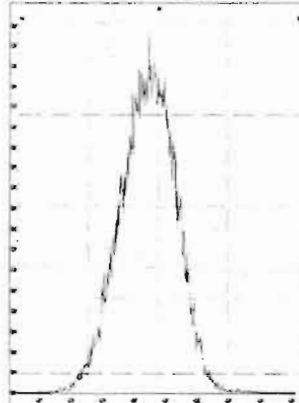
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Printed: Wednesday, April 29, 2020 13:23:43 Pacific Daylight Time

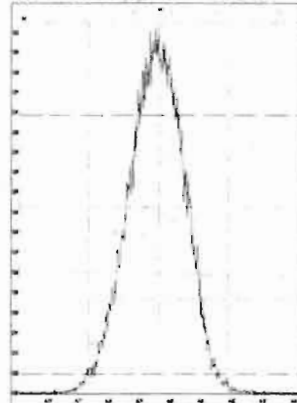
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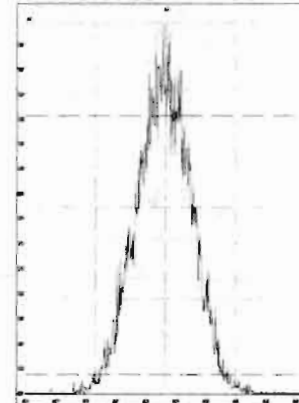
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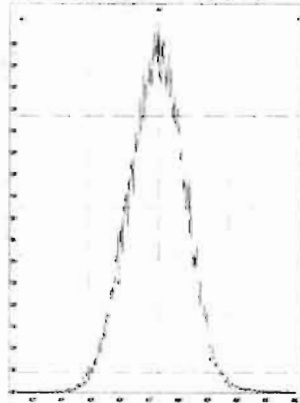
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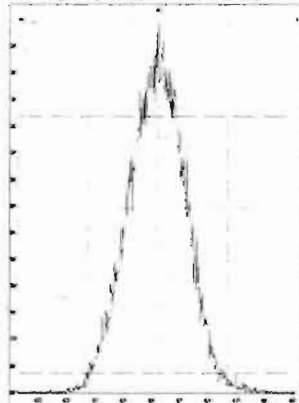
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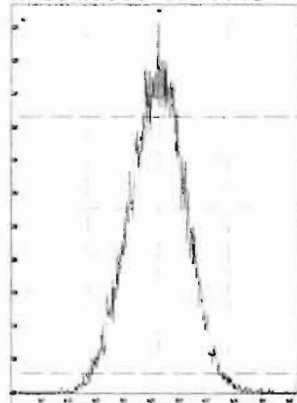
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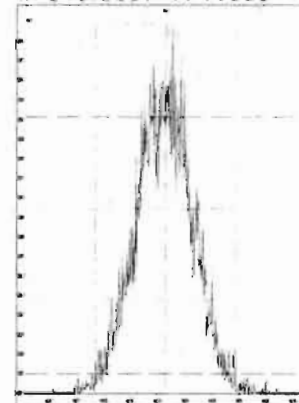
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M 504.9696 R 11110



M 516.9697 R 11365



Dataset: Untitled

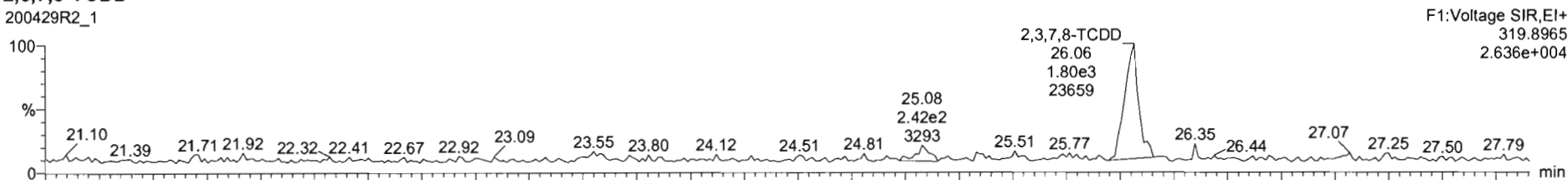
Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-04-29-20.mdb 29 Apr 2020 14:28:02
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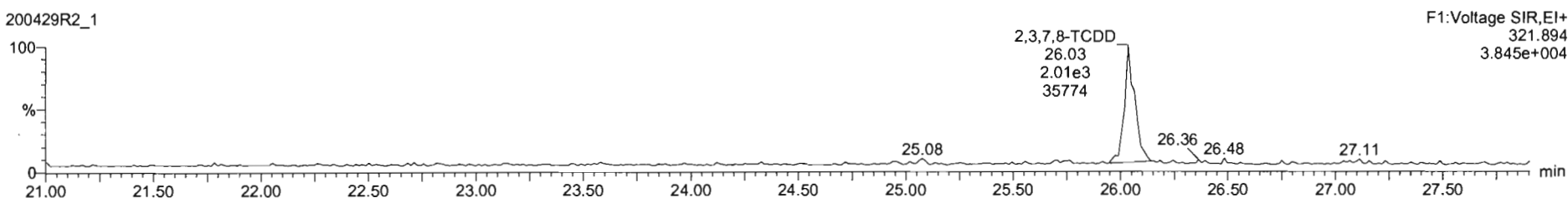
Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

2,3,7,8-TCDD

200429R2_1

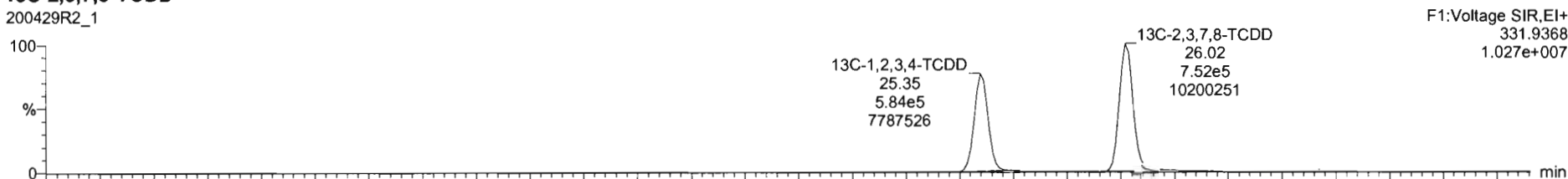


200429R2_1

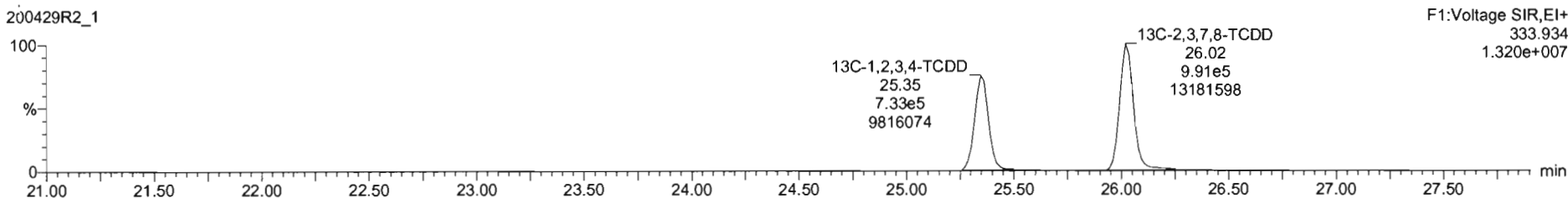


13C-2,3,7,8-TCDD

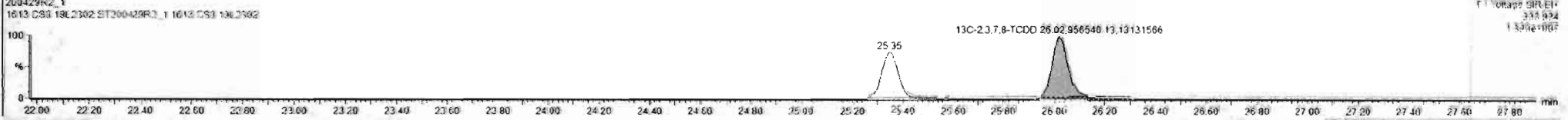
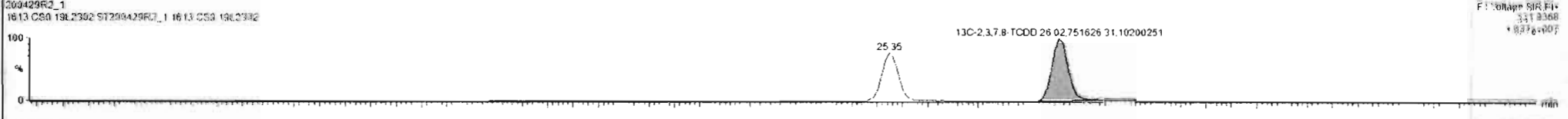
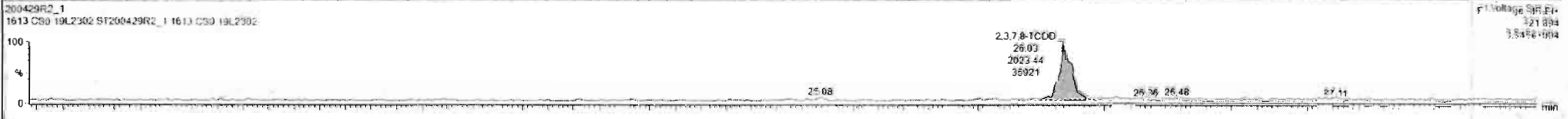
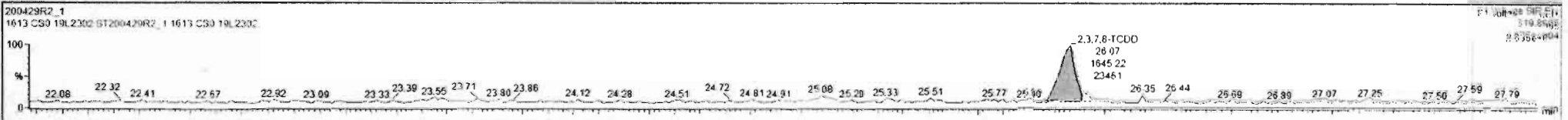
200429R2_1



200429R2_1



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.2	6.35	0.947	0.0587
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.6	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1804e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	28.38	1.084	NO	7.9301e3	8.1666e5	1.250	-13.5	6.93	0.896	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.6	7.57	0.923	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-3.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.3	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.8427e6	1.250	-8.0	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.54	1.134	NO	1.1393e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0668
12	1,2,3,6,7,8-HxCDF	33.76	1.234	NO	1.2594e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2282e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0706
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2366e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



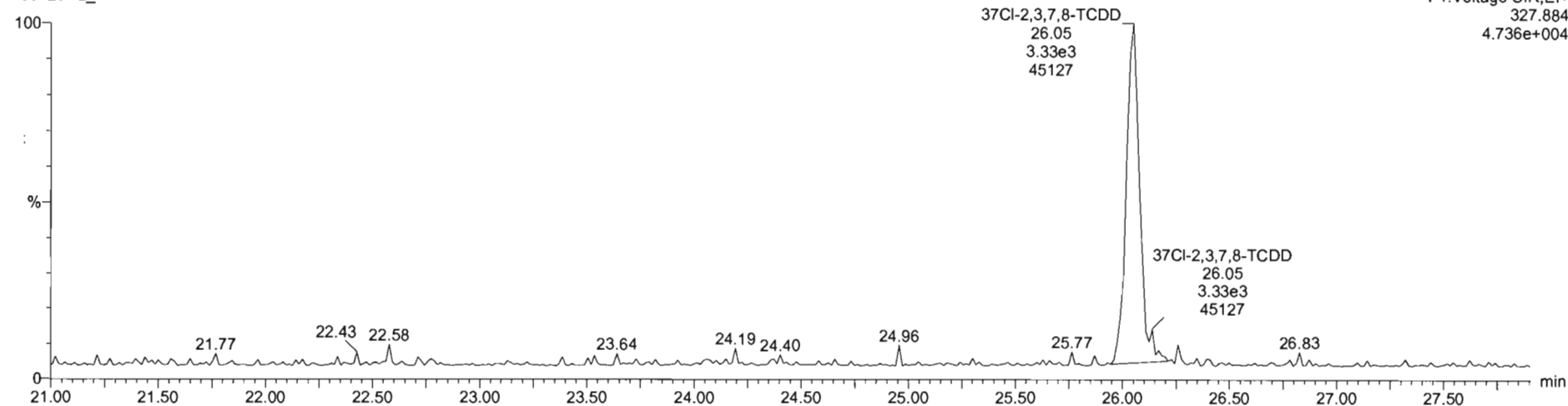
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Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

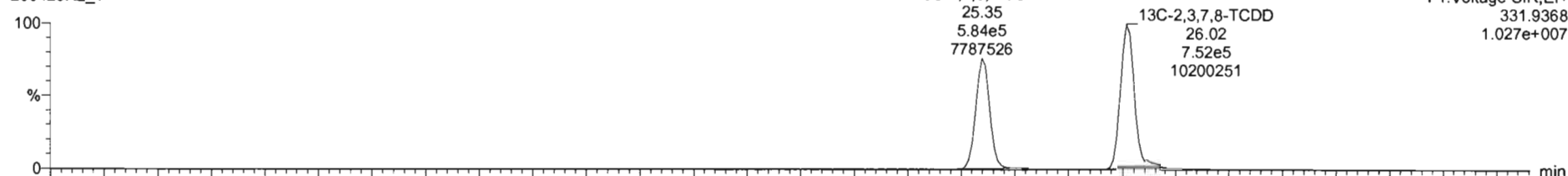
37Cl-2,3,7,8-TCDD

200429R2_1

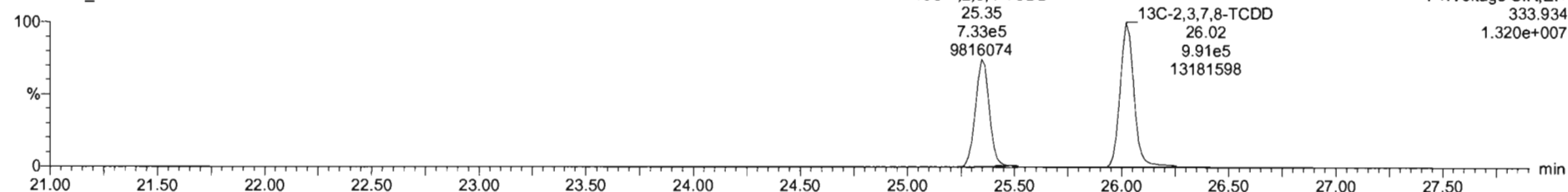


13C-1,2,3,4-TCDD

200429R2_1



200429R2_1



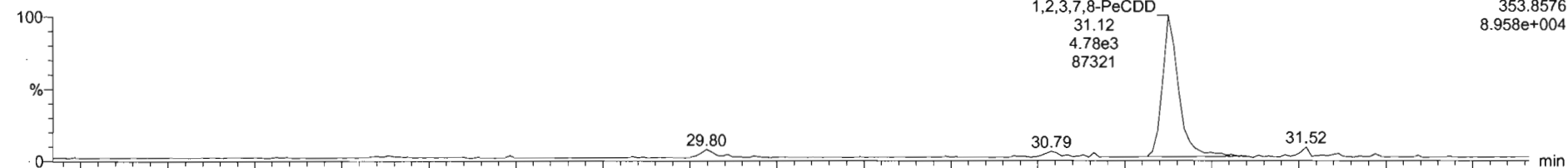
Dataset: Untitled

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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

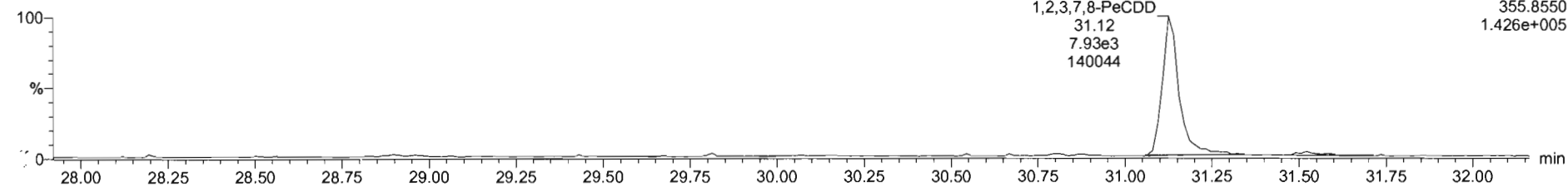
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1,2,3,7,8-PeCDD

200429R2_1

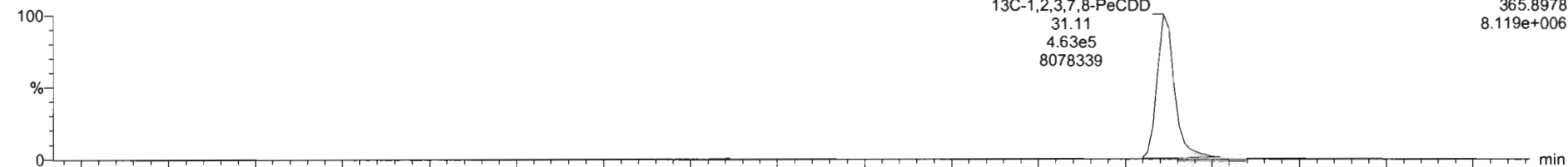


200429R2_1

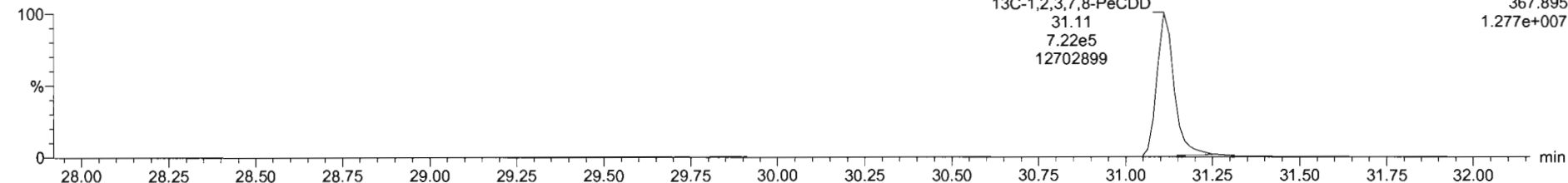


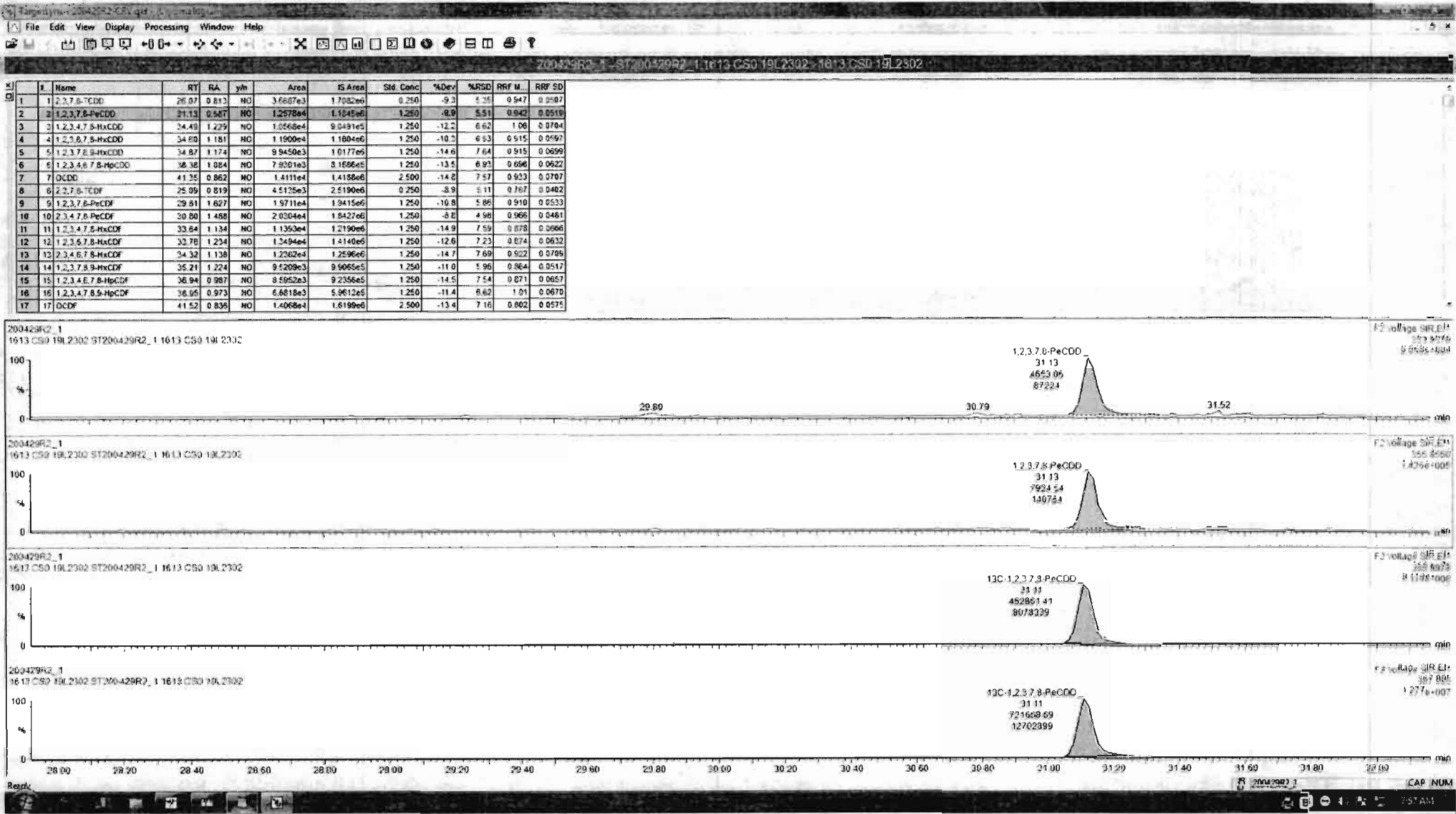
13C-1,2,3,7,8-PeCDD

200429R2_1



200429R2_1





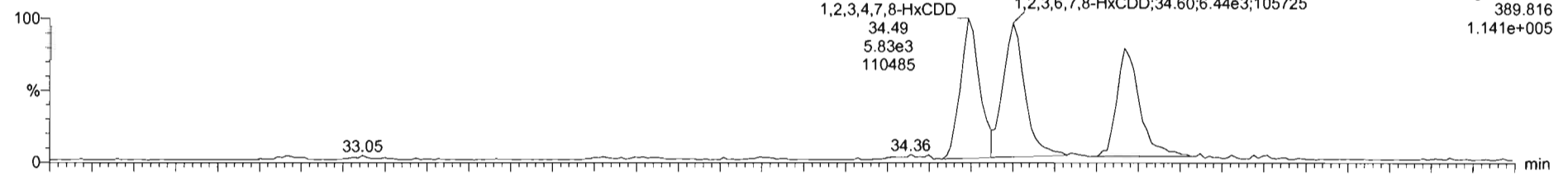
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Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

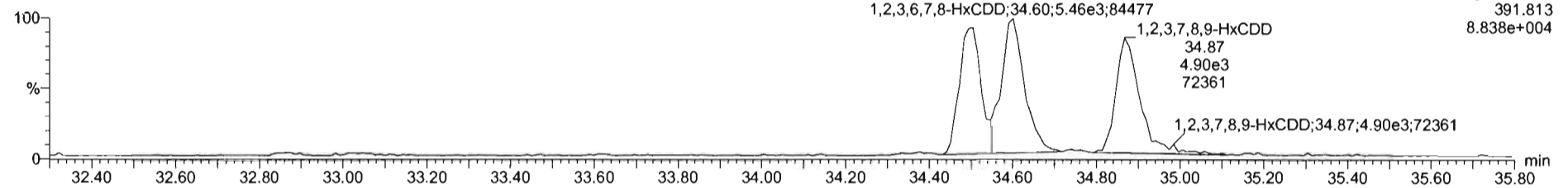
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1,2,3,4,7,8-HxCDD

200429R2_1

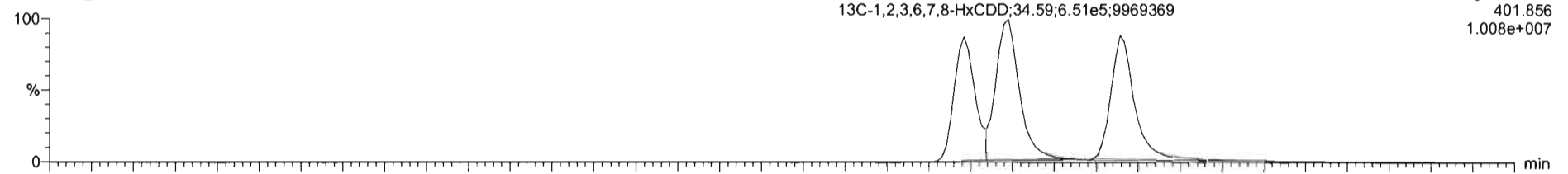


200429R2_1

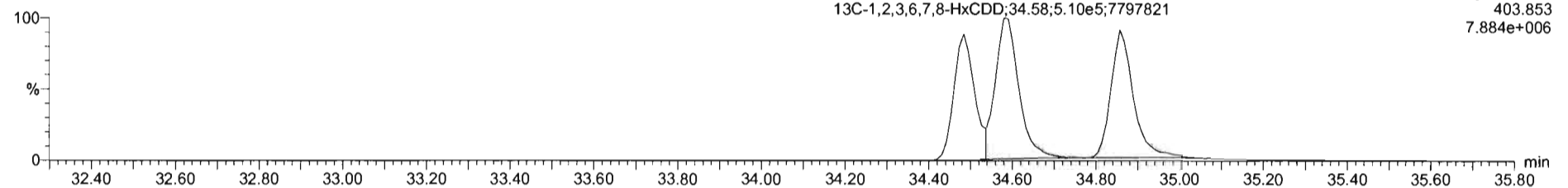


13C-1,2,3,4,7,8-HxCDD

200429R2_1

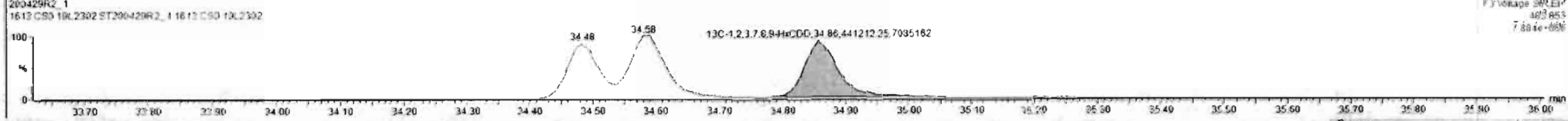
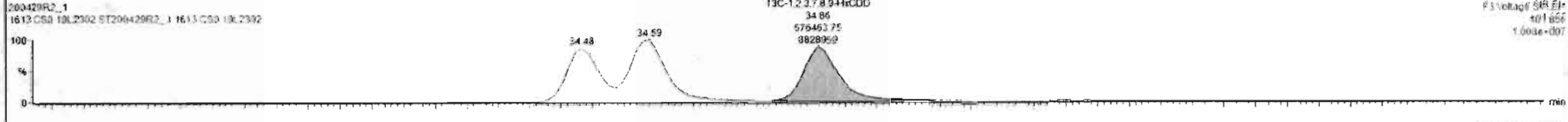
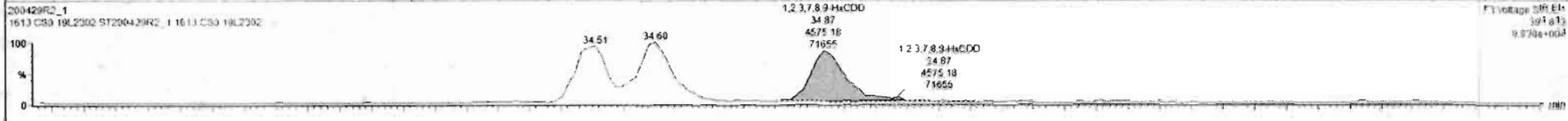
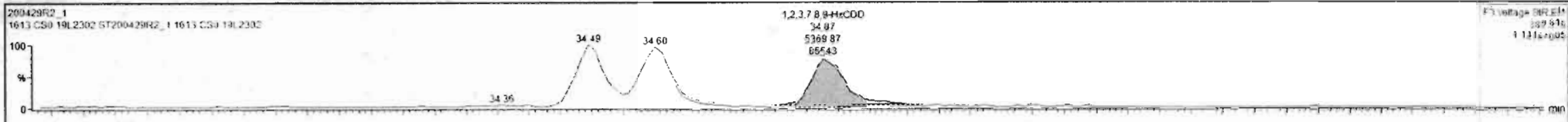


200429R2_1



200429R2_1 - ST200429R2_1 1613 CS0 19L2302 - 1613 CS0 19L2302

#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.913	NO	3.6687e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.67	1.174	NO	9.9450e3	1.0177e6	1.250	-14.4	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	36.38	1.054	NO	7.9201e3	8.1666e5	1.250	-13.5	8.93	0.656	0.0522
7	OCDD	41.35	0.862	NO	1.4111e4	1.4186e6	2.500	-14.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.95	0.919	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0462
9	1,2,3,7,8-PeCDF	29.81	1.027	NO	1.9711e4	1.9415e6	1.250	-10.8	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0304e4	1.8427e6	1.250	-8.8	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1393e4	1.2190e6	1.250	-14.3	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0789
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.98	0.864	0.0512
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	DCDF	41.52	0.836	NO	1.4066e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



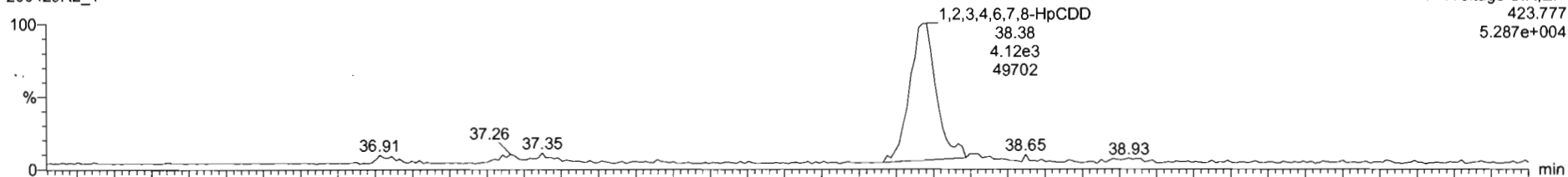
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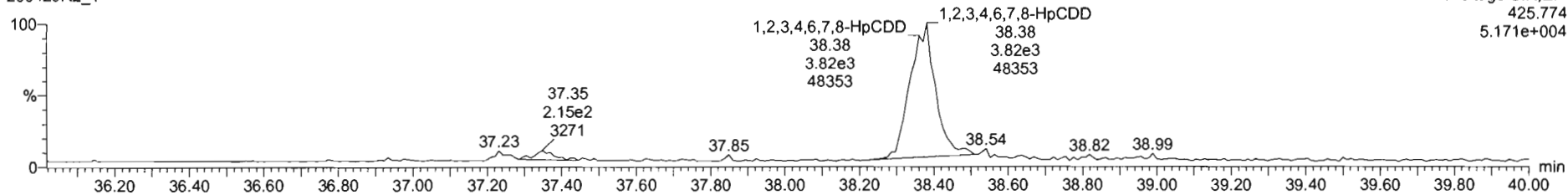
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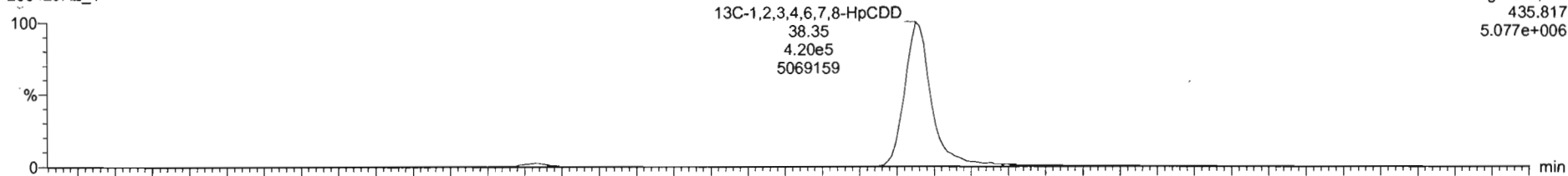


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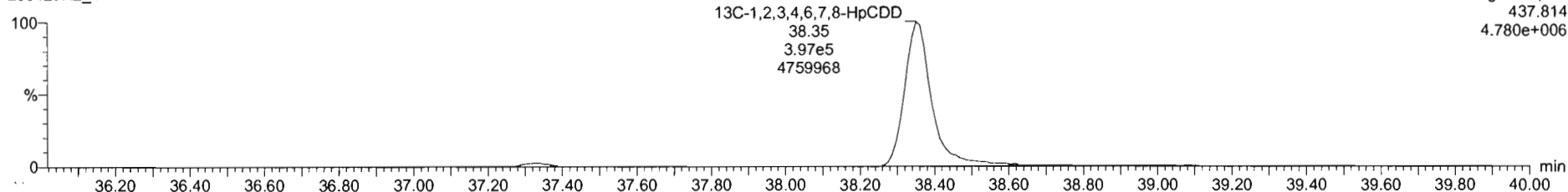


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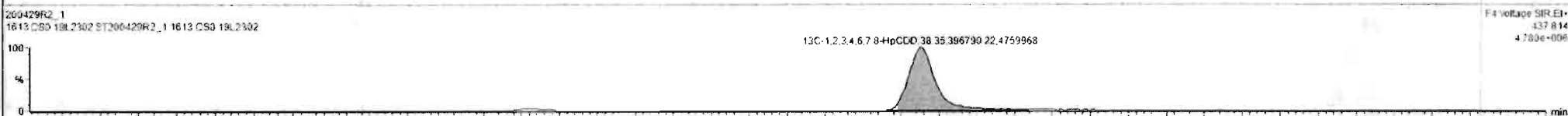
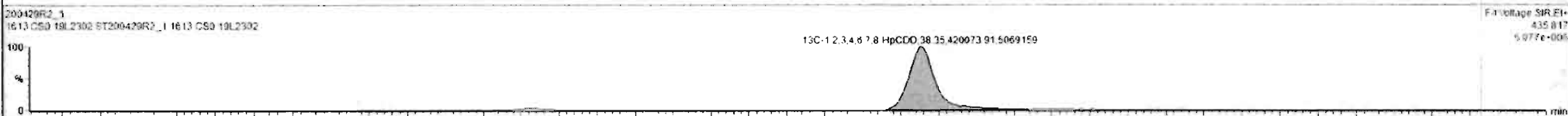
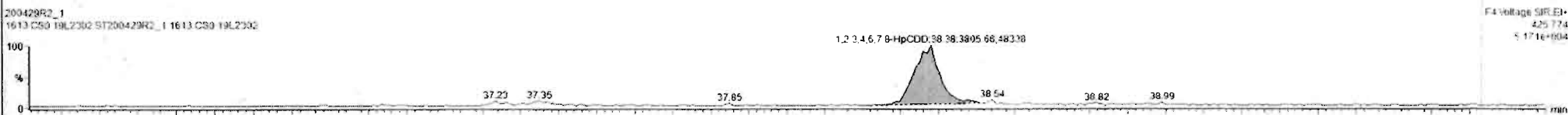
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200429R2_1



#	Name	RT	RA	y/h	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,6-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	5.25	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.6491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1694e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0117e6	1.250	-14.6	7.64	0.915	0.0690
6	1,2,3,4,6,7,8-HpCDD	38.38	1.554	NO	7.9501e3	2.1666e5	1.250	-13.5	8.93	0.898	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0304e4	1.8427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,6,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2150e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2362e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0627
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8818e3	5.9812e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



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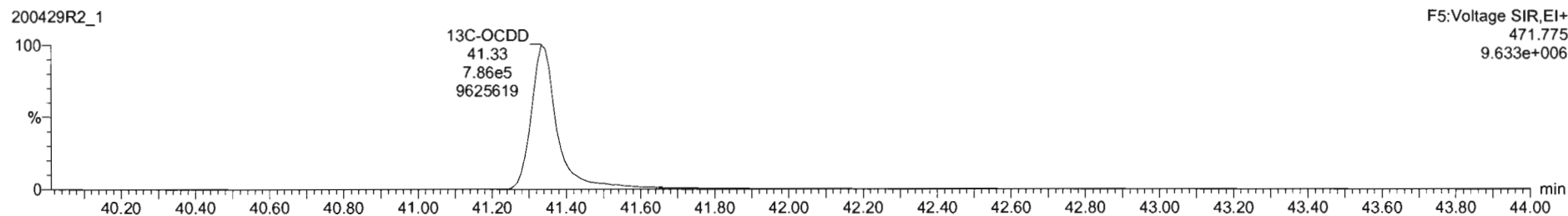
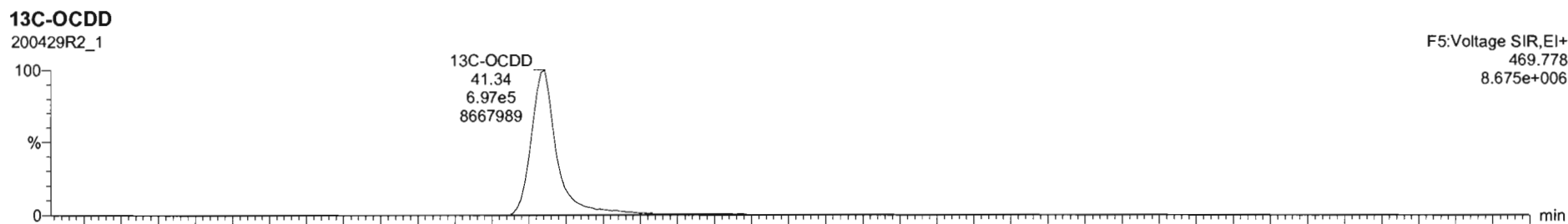
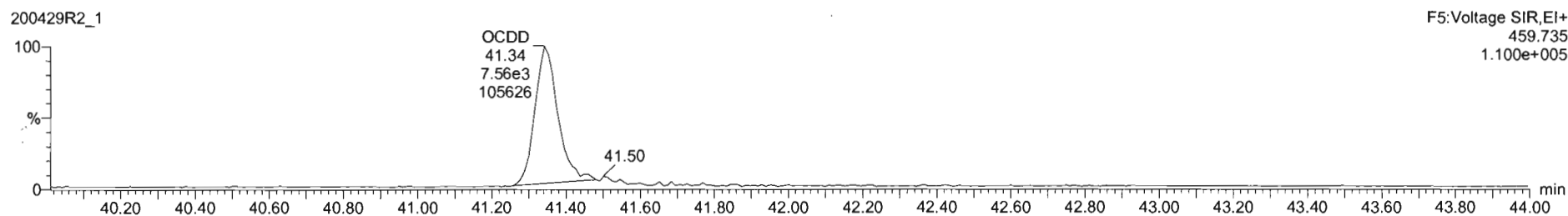
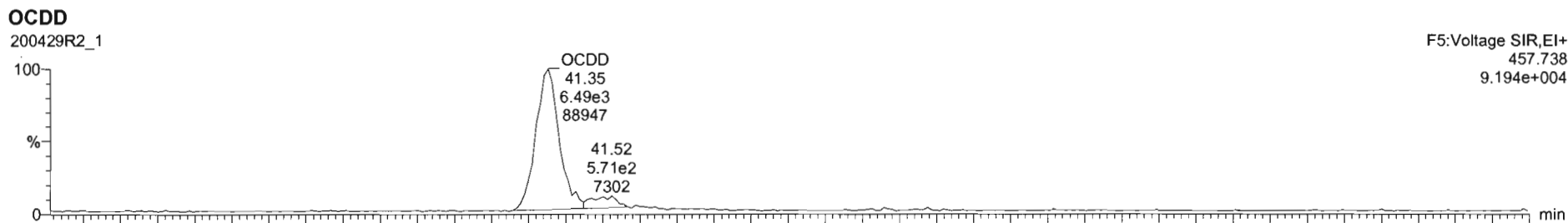
200429R2_1 CAP NUM

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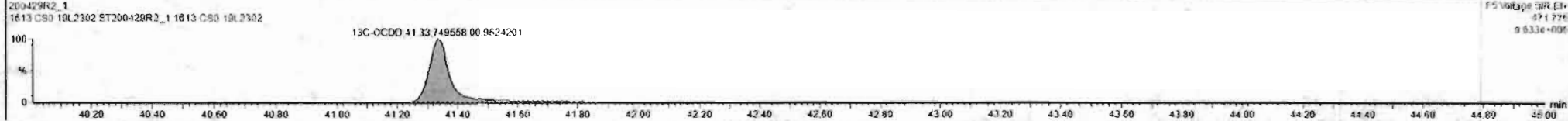
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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#	Name	RT	RA	Yn	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.97	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0407
2	1,2,3,7,8-PeCDD	31.12	0.587	NO	1.2678e4	1.1845e6	1.250	-9.6	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.9568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1906e4	1.1604e6	1.250	-10.2	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.084	NO	7.9201e3	8.1686e5	1.250	-13.5	6.93	0.856	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4189e6	2.500	-14.3	7.57	0.933	0.0767
8	2,3,7,8-TCDF	26.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.96	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.455	NO	2.0204e4	1.9427e6	1.250	-8.8	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.234	NO	1.3454e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.927	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.967	NO	8.5552e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6218e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.862	0.0575



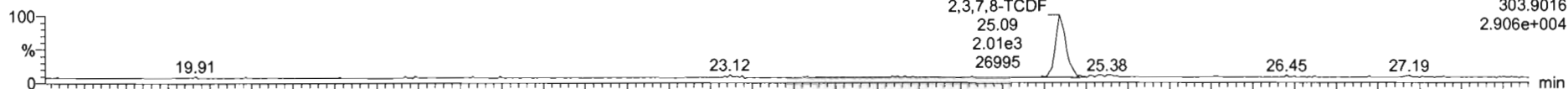
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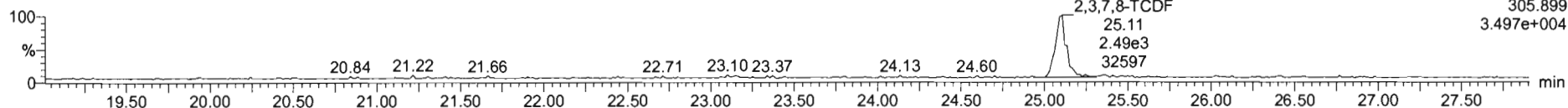
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2,3,7,8-TCDF

200429R2_1

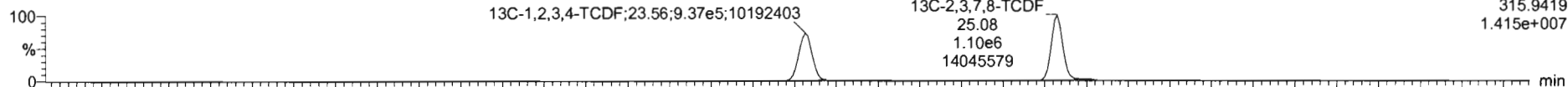


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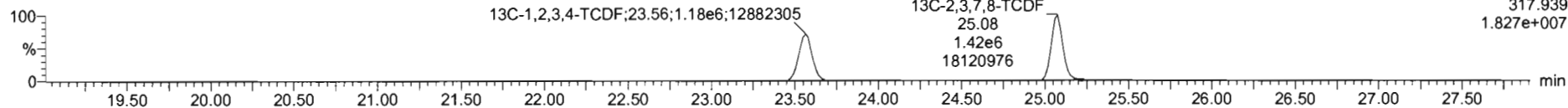


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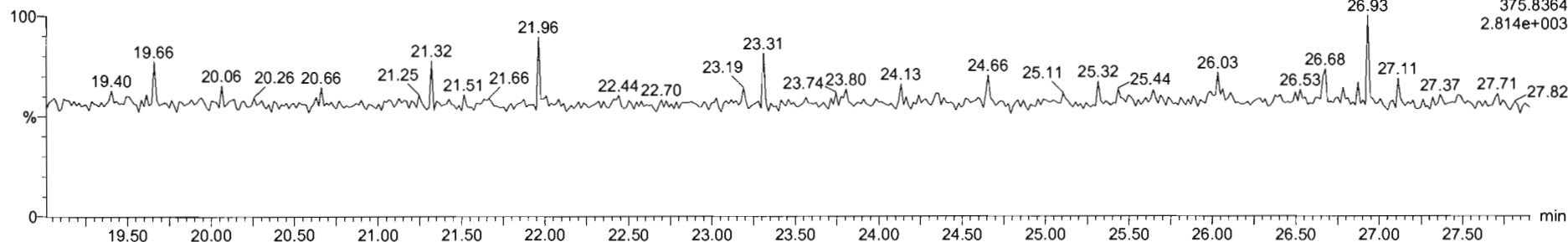


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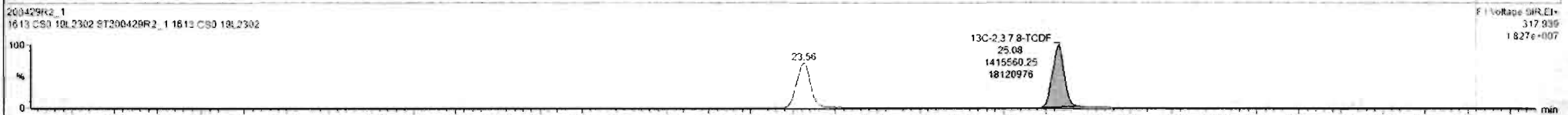
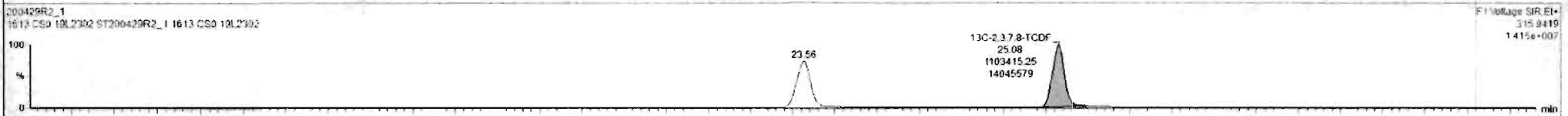
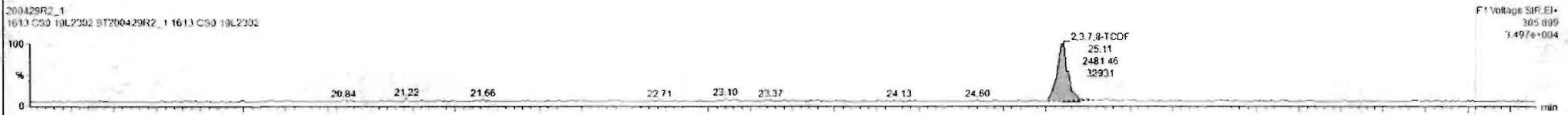
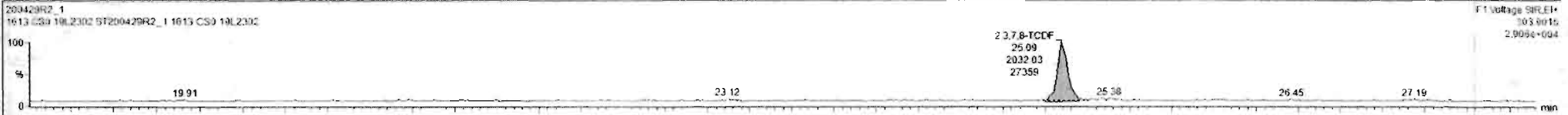


DPE1

200429R2_1



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDF	26.07	0.813	NO	3.6607e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.13	0.587	NO	1.2578e4	1.1545e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.001e3	3.1686e5	1.250	-13.5	6.93	0.698	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.0	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5135e3	2.5190e6	0.250	-8.9	5.11	0.787	0.0462
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.8427e6	1.250	-8.0	4.98	0.968	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0568
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.2494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2362e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9085e5	1.250	-11.0	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	3.5952e3	9.2386e5	1.250	-14.5	7.54	0.871	0.0557
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8018e3	5.9012e5	1.250	-11.4	6.82	1.01	0.0879
17	OCDF	41.52	0.838	NO	1.4068e4	1.6198e6	2.500	-13.4	7.16	0.802	0.0575



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200429R2_1 CAP NUM

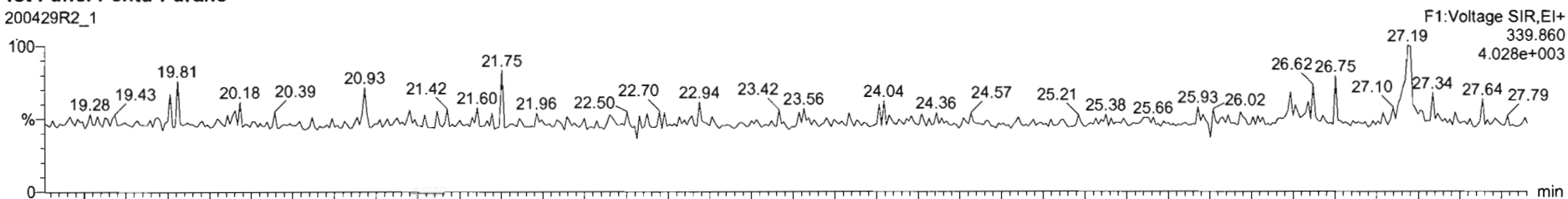
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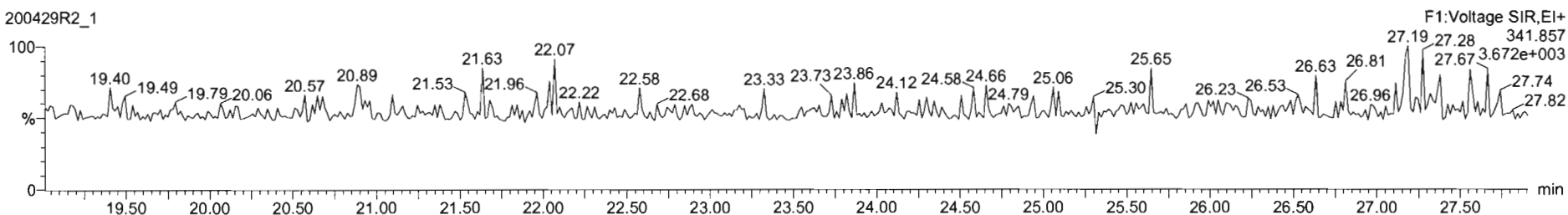
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200429R2_1

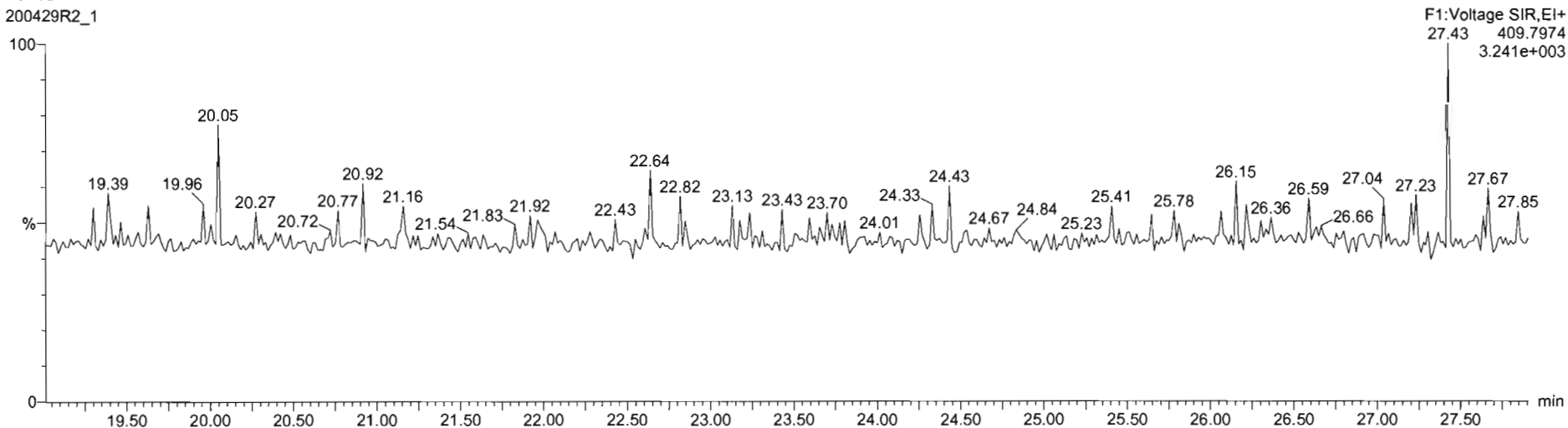


200429R2_1



DPE6

200429R2_1

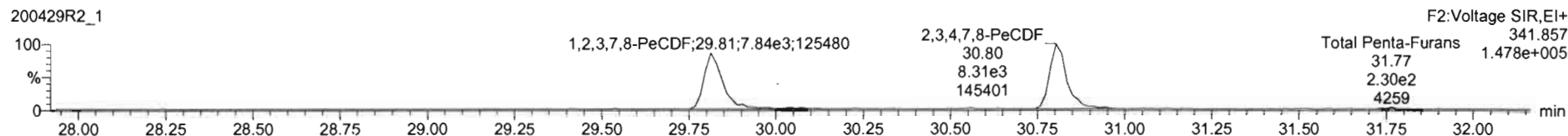
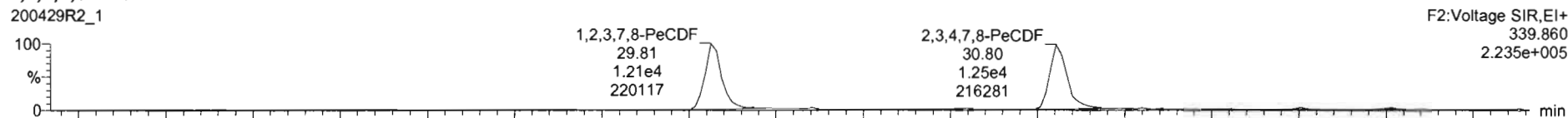


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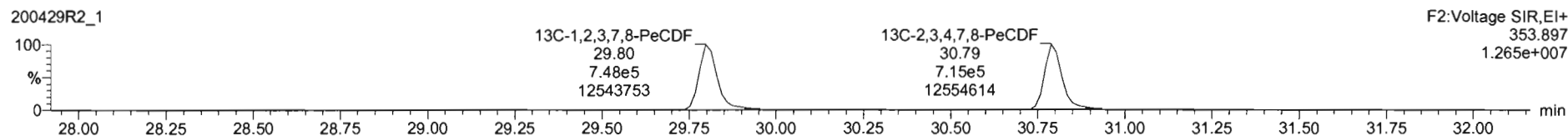
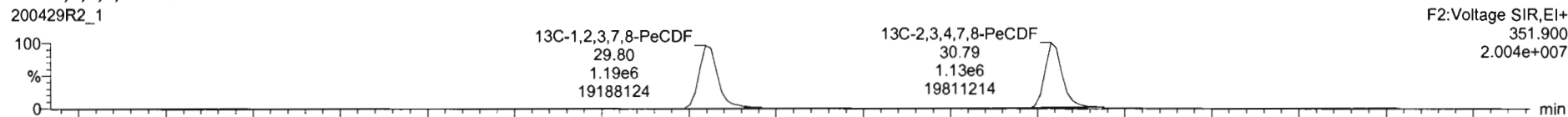
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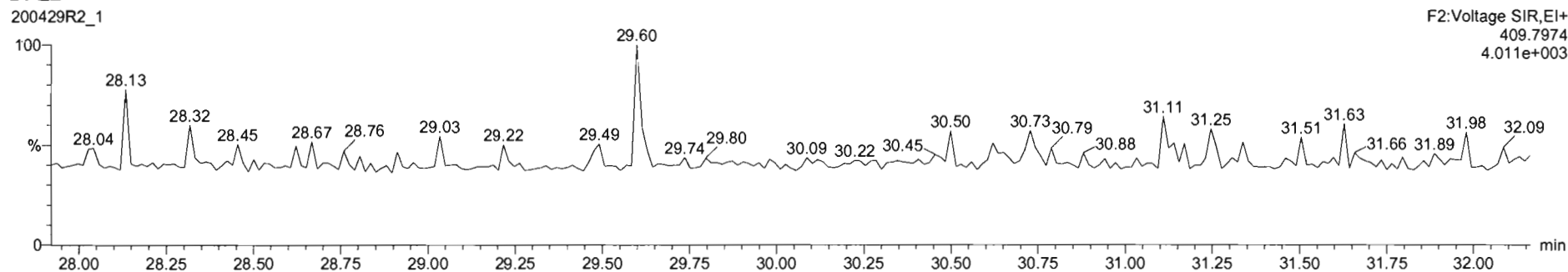
1,2,3,7,8-PeCDF

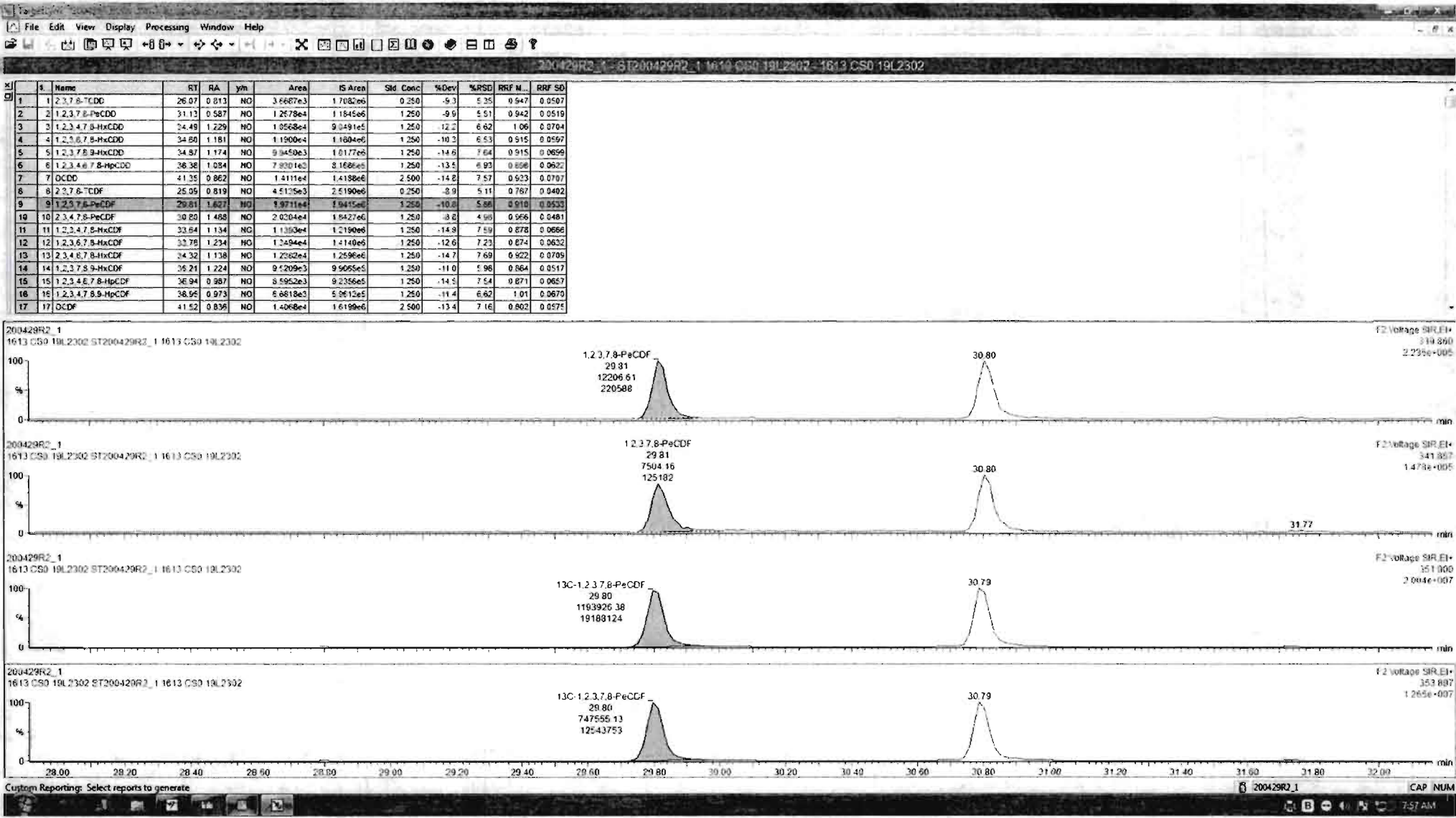


13C-1,2,3,7,8-PeCDF

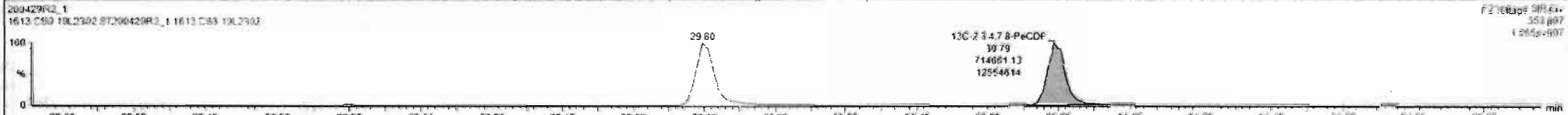
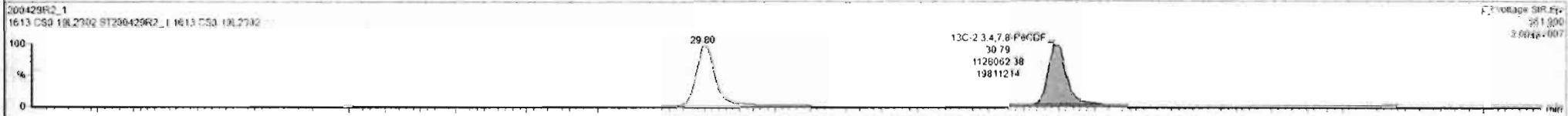
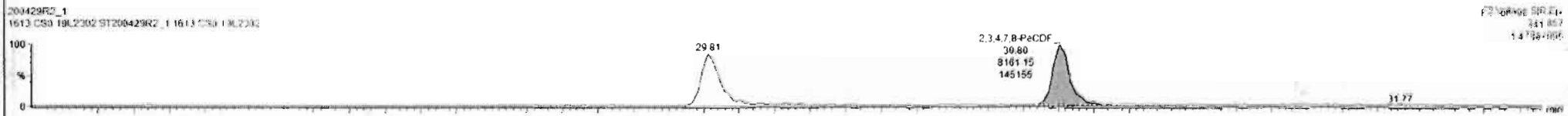
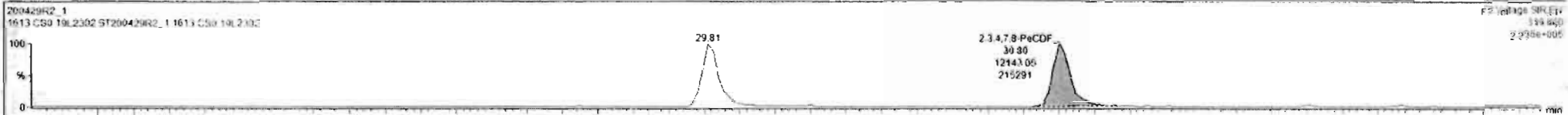


DPE2





#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e0	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e0	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e0	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.191	NO	1.1909e4	1.1804e0	1.250	-10.3	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e0	1.250	-14.6	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.9201e3	8.1686e0	1.250	-13.5	6.93	0.856	0.0632
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e0	2.500	-14.8	7.57	0.933	0.0767
8	2,3,7,8-TCDF	25.09	0.519	NO	4.5135e3	2.5190e0	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e0	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.30	1.488	NO	2.0304e4	1.8427e0	1.250	-3.0	4.88	0.968	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1363e4	1.2190e0	1.250	-14.9	7.59	0.878	0.0668
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e0	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2362e4	1.2596e0	1.250	-14.7	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e0	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.94	0.987	NO	8.5652e3	9.2356e0	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6818e3	5.9612e0	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e0	2.500	-13.4	7.16	0.802	0.0575



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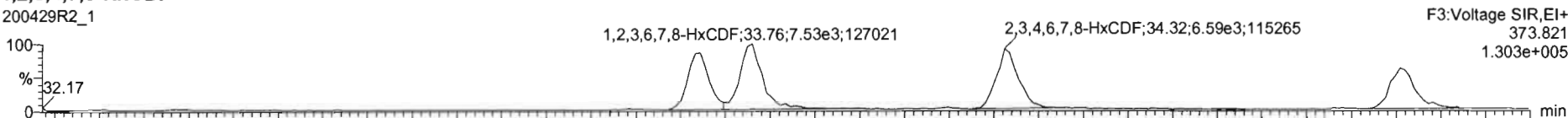
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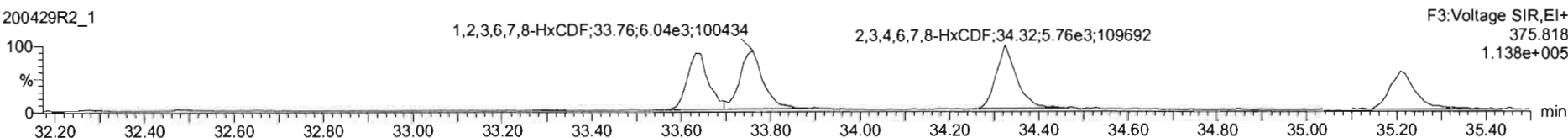
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1,2,3,4,7,8-HxCDF

200429R2_1

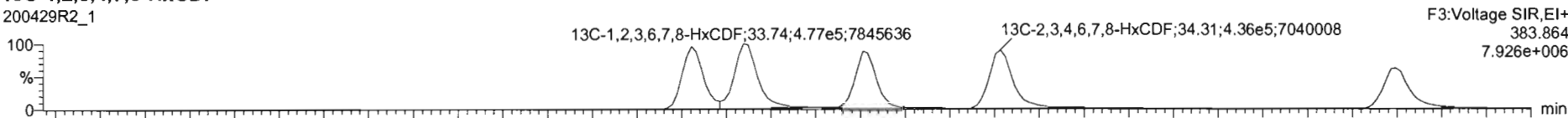


200429R2_1

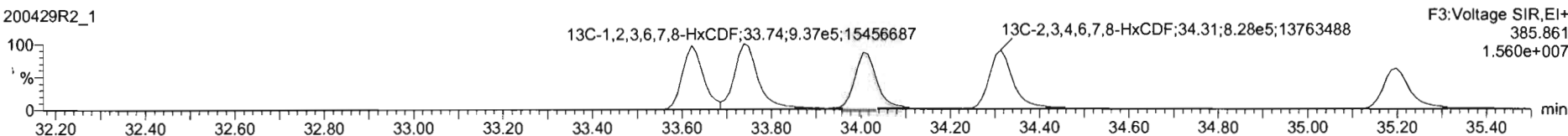


13C-1,2,3,4,7,8-HxCDF

200429R2_1

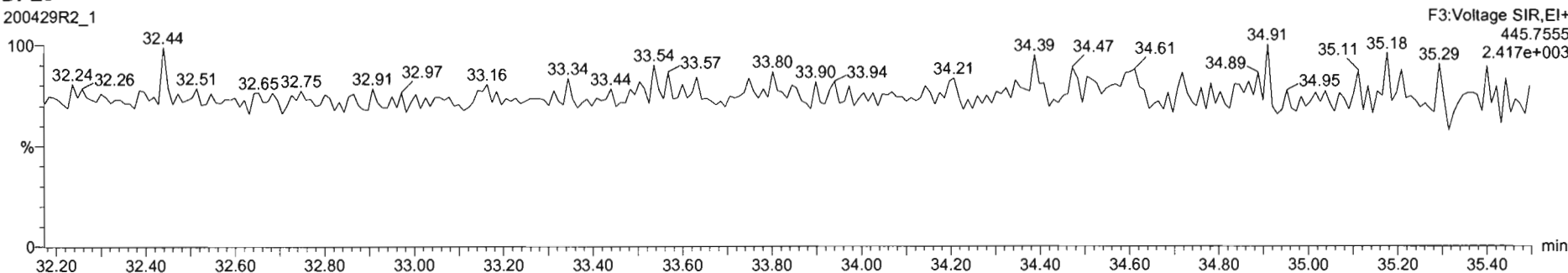


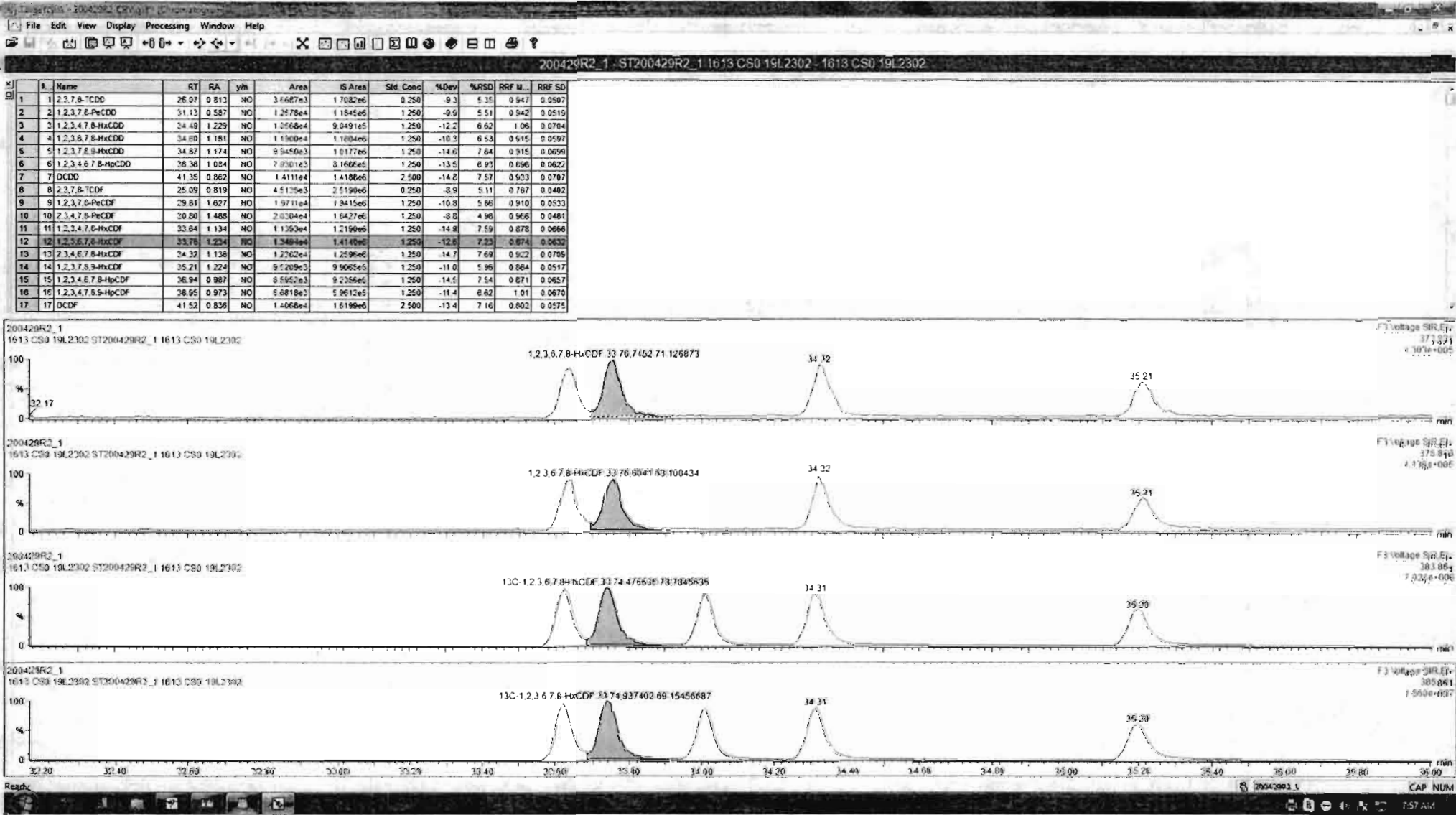
200429R2_1



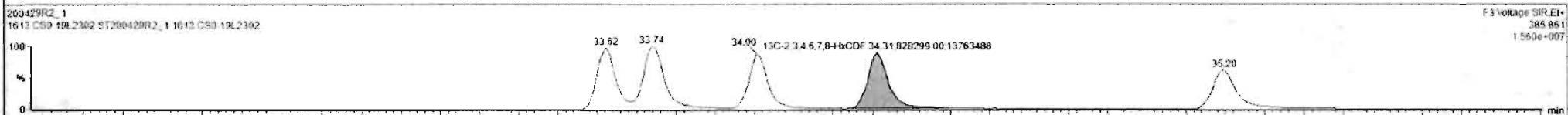
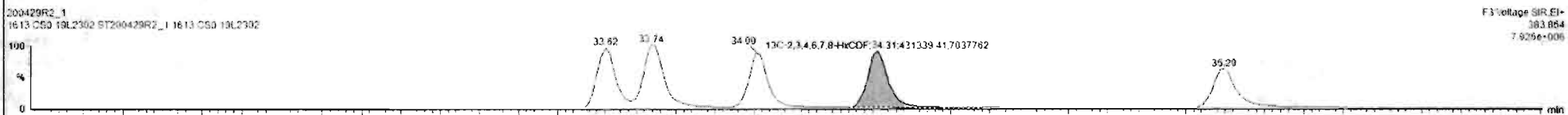
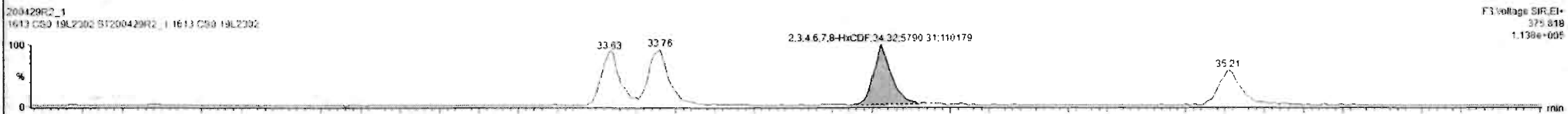
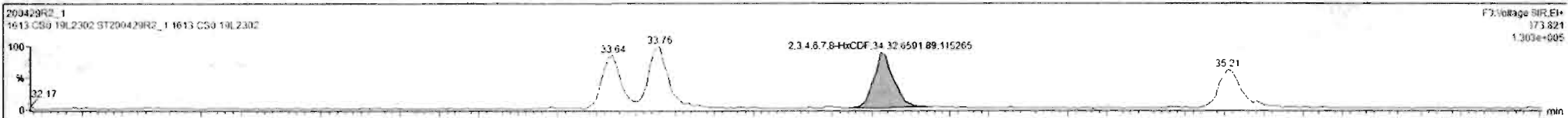
DPE3

200429R2_1





Sl	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	28.07	0.813	NO	3.6667e3	1.7082e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2478e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.57	1.174	NO	9.5450e3	1.0177e6	1.250	-14.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.3001e3	8.1686e5	1.250	-13.5	6.93	0.656	0.0632
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.923	0.0787
8	2,2,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.88	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.9427e6	1.250	-8.2	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1363e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	32.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.130	NO	1.2232e4	1.2590e6	1.250	-14.7	7.68	0.922	0.0766
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.964	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2386e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	DCDF	41.52	0.836	NO	1.4068e4	1.6189e6	2.500	-13.4	7.16	0.802	0.0575



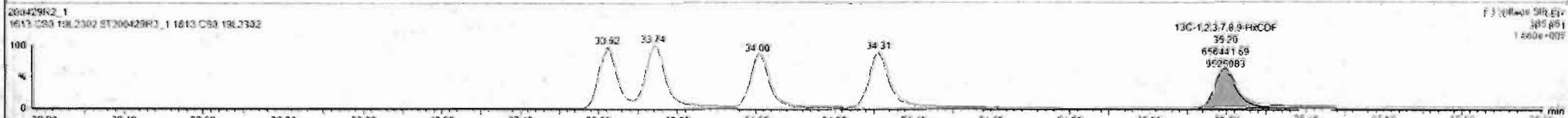
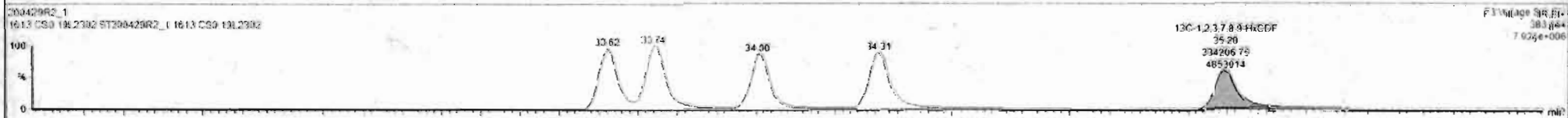
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200429R2_1

CAP NUM

7:58 AM

#	Name	RT	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	-9.3	6.30	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2178e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.181	NO	1.1900e4	1.1688e6	1.250	-10.3	6.53	0.515	0.0597
5	1,2,3,7,8-HxCDF	34.87	1.174	NO	9.5450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.38	1.084	NO	7.9301e3	3.1686e5	1.250	-13.5	6.92	0.696	0.0632
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.633	0.0707
8	1,2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.4196e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,6-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.488	NO	2.0204e4	1.9427e6	1.250	-8.8	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1363e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.37	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.98	0.704	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.94	0.967	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.6818e3	5.9612e5	1.250	-11.4	6.82	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4066e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



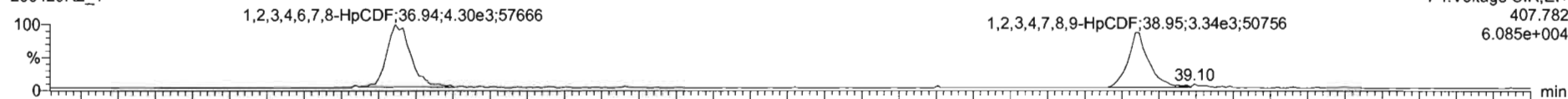
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

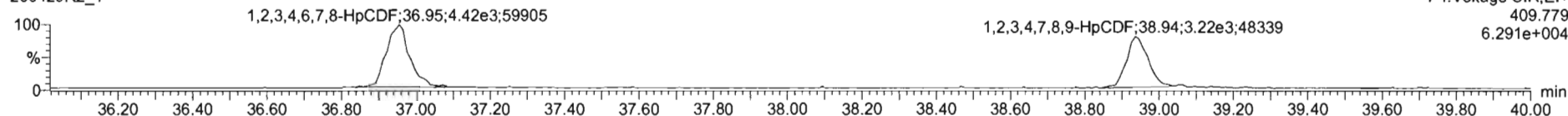
1,2,3,4,6,7,8-HpCDF

200429R2_1



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6.085e+004

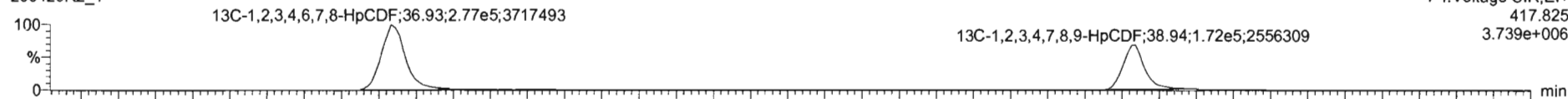
200429R2_1



F4:Voltage SIR,EI+
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6.291e+004

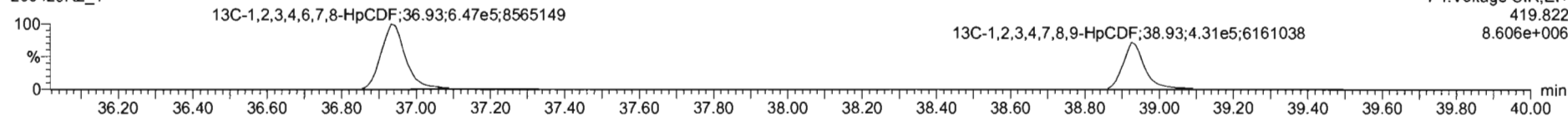
13C-1,2,3,4,6,7,8-HpCDF

200429R2_1



F4:Voltage SIR,EI+
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3.739e+006

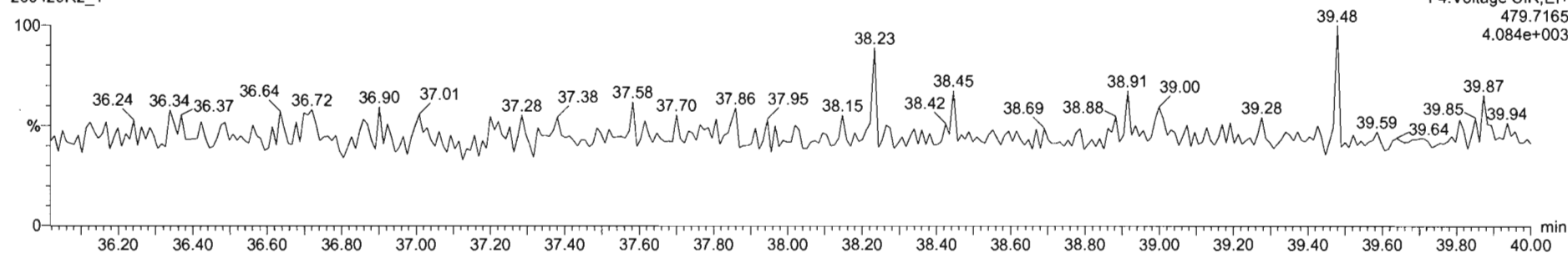
200429R2_1



F4:Voltage SIR,EI+
419.822
8.606e+006

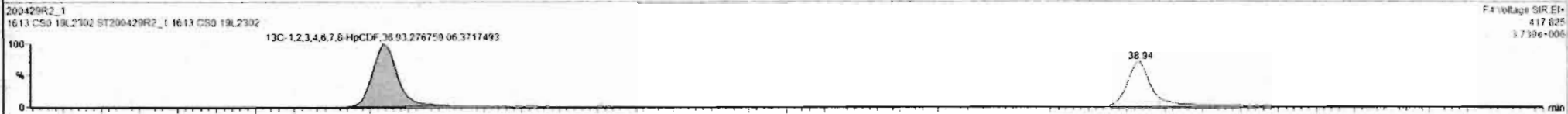
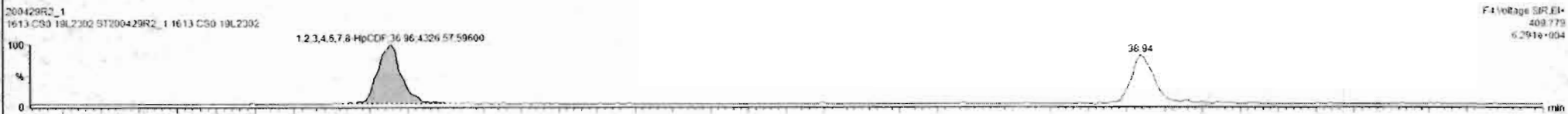
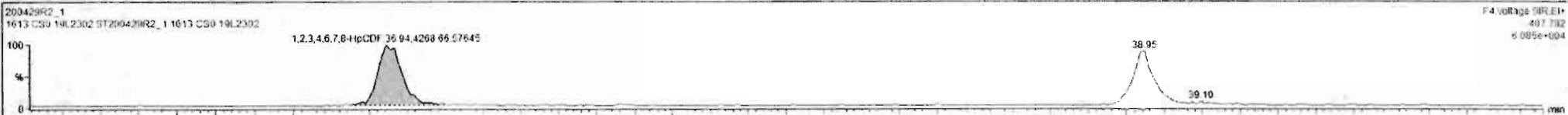
DPE4

200429R2_1

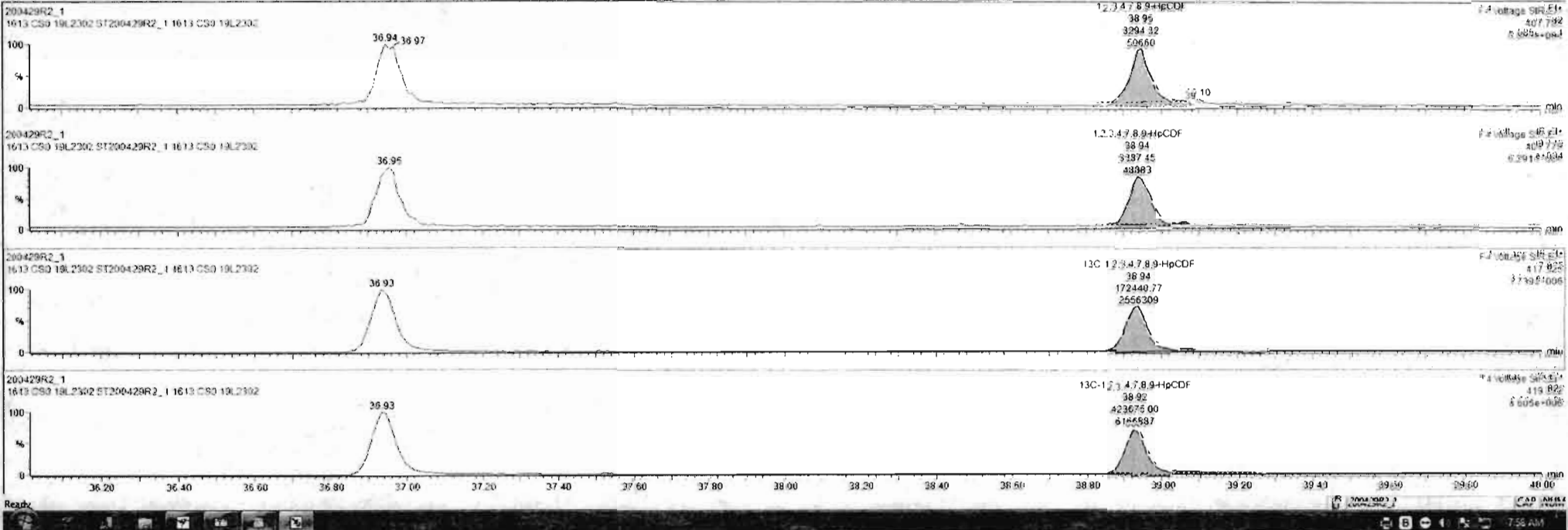


F4:Voltage SIR,EI+
479.7165
4.084e+003

#	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6667e3	1.7087e6	0.250	-9.3	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2678e4	1.1845e6	1.250	-9.9	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.9491e5	1.250	-12.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.181	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.084	NO	7.9201e3	8.1696e5	1.250	-13.5	6.93	0.656	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4188e6	2.500	-14.8	7.57	0.933	0.0707
8	1,2,3,7,8-TCDF	26.09	0.819	NO	4.5125e3	2.5190e6	0.250	-3.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.627	NO	1.9711e4	1.9415e6	1.250	-10.3	5.66	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.80	1.468	NO	2.9304e4	1.8427e6	1.250	-8.2	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.84	1.134	NO	1.1363e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.32	1.138	NO	1.2282e4	1.2596e6	1.250	-14.7	7.68	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.9065e5	1.250	-11.0	5.96	0.984	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5862e3	9.2366e5	1.250	-14.5	7.54	0.871	0.0667
16	1,2,3,4,7,8,9-HpCDF	36.95	0.873	NO	6.6818e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.836	NO	1.4068e4	1.6199e6	2.500	-13.4	7.16	0.802	0.0575



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.813	NO	3.6687e3	1.7082e6	0.250	9.3	6.35	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.587	NO	1.2578e4	1.1845e6	1.250	-9.5	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.229	NO	1.0568e4	9.0491e5	1.250	-12.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.161	NO	1.1900e4	1.1604e6	1.250	-10.3	6.53	0.515	0.0592
5	1,2,3,7,8,9-HxCDD	34.87	1.174	NO	9.9450e3	1.0177e6	1.250	-14.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.38	1.054	NO	7.9301e3	8.1686e5	1.250	-13.5	6.93	0.856	0.0622
7	OCDD	41.35	0.862	NO	1.4111e4	1.4198e6	2.500	-14.0	7.57	0.923	0.0702
8	2,3,7,8-TCDF	25.09	0.819	NO	4.5125e3	2.5190e6	0.250	-8.9	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.627	NO	1.9711e4	1.9415e6	1.250	-10.8	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.458	NO	2.0204e4	1.9427e6	1.250	-8.0	4.98	0.566	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.134	NO	1.1353e4	1.2190e6	1.250	-14.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.234	NO	1.3494e4	1.4140e6	1.250	-12.6	7.23	0.674	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.138	NO	1.2262e4	1.2596e6	1.250	-14.7	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.224	NO	9.5209e3	9.6065e5	1.250	-11.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.94	0.987	NO	8.5952e3	9.2356e5	1.250	-14.5	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.973	NO	6.8019e3	5.9612e5	1.250	-11.4	6.62	1.01	0.0670
17	OCDF	41.52	0.826	NO	1.4066e4	1.6199e6	2.500	-13.4	7.10	0.802	0.0575

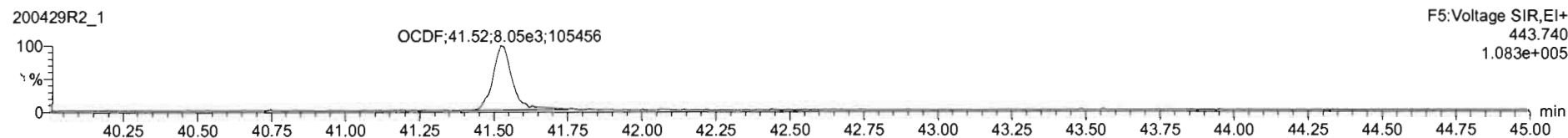


Dataset: Untitled

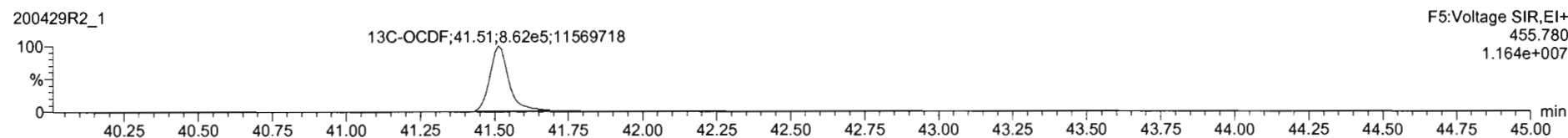
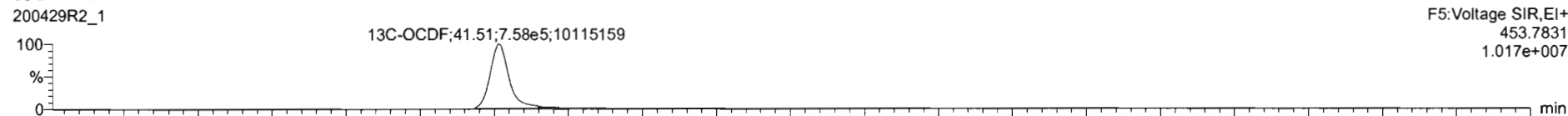
Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

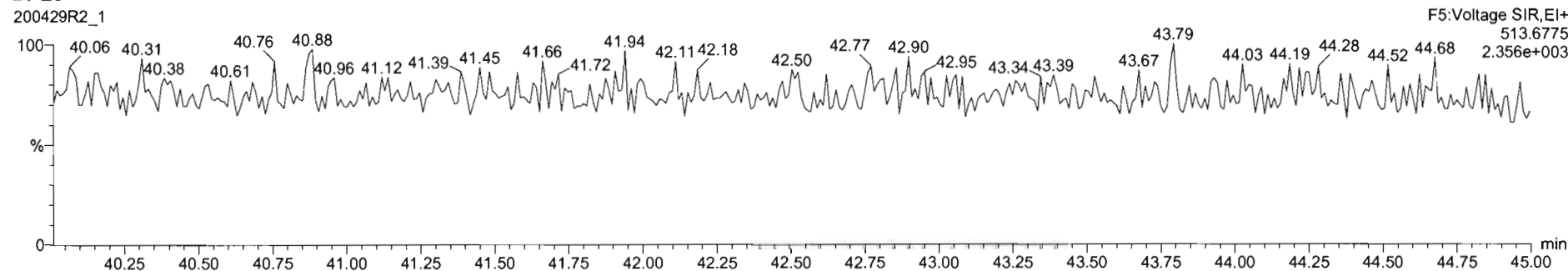
OCDF

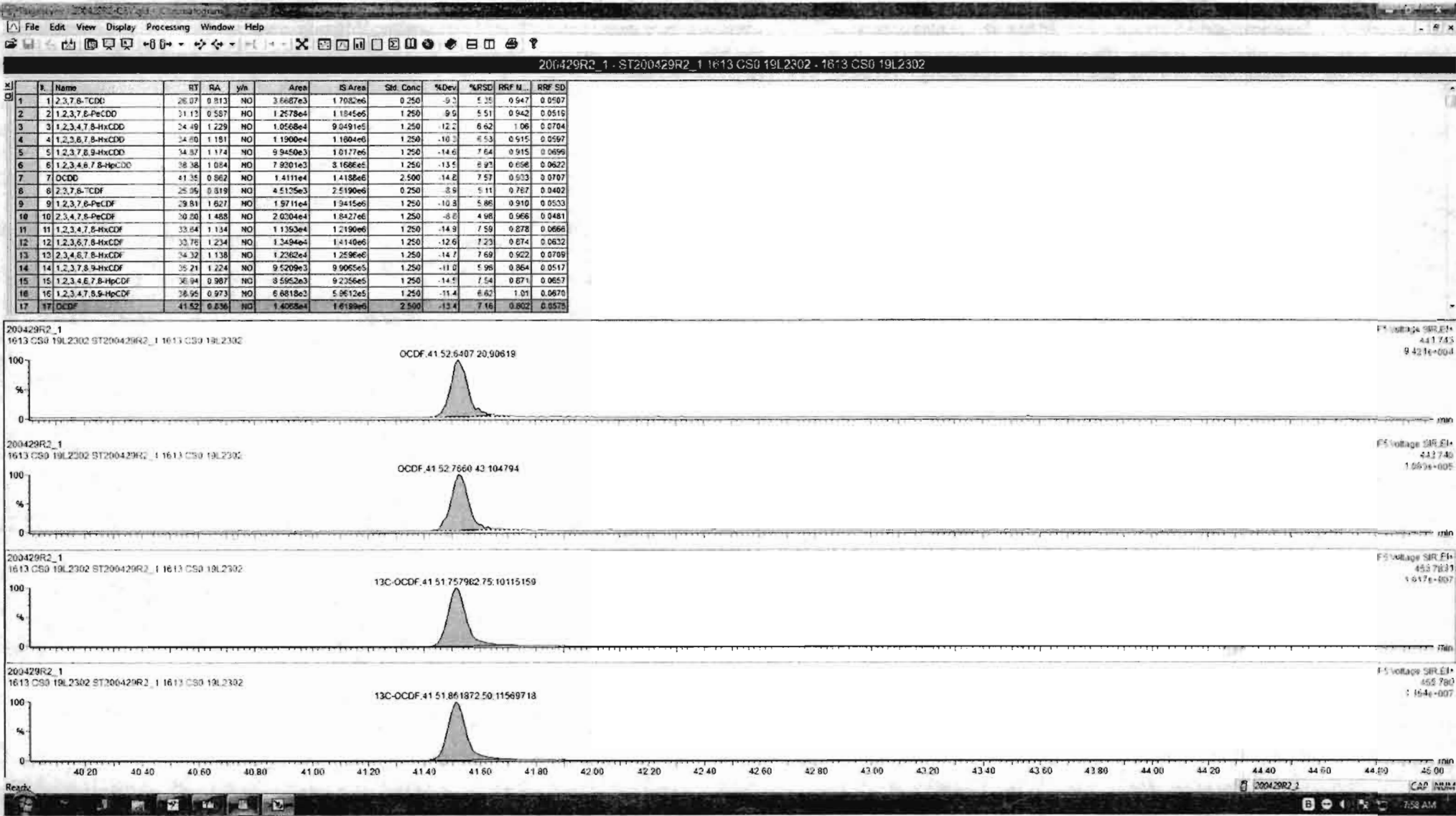


13C-OCDF



DPE5

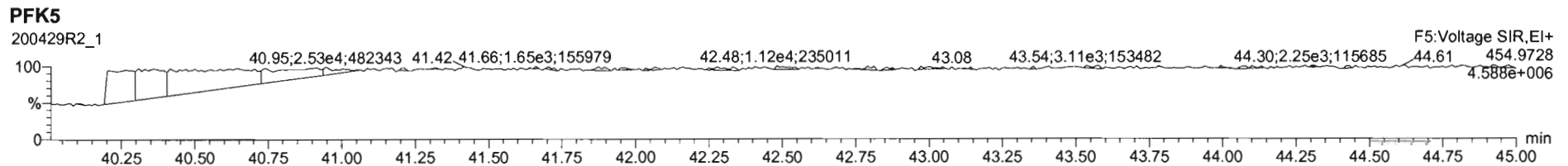
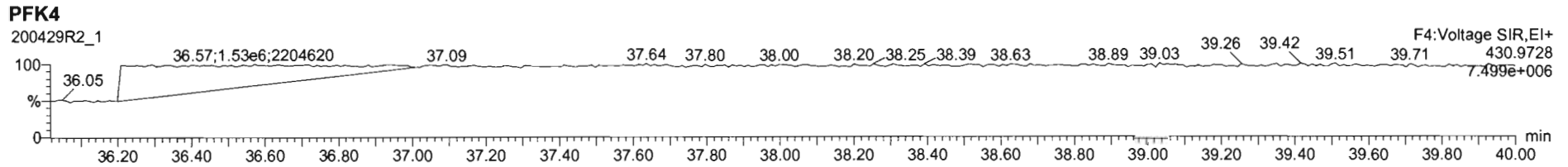
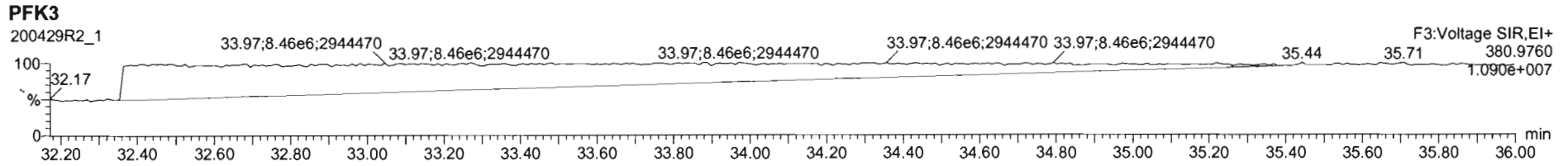
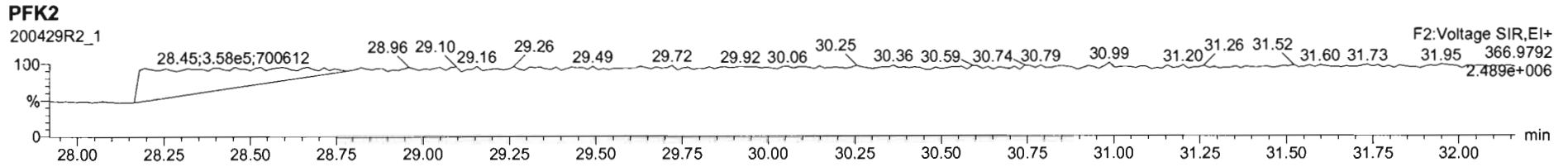
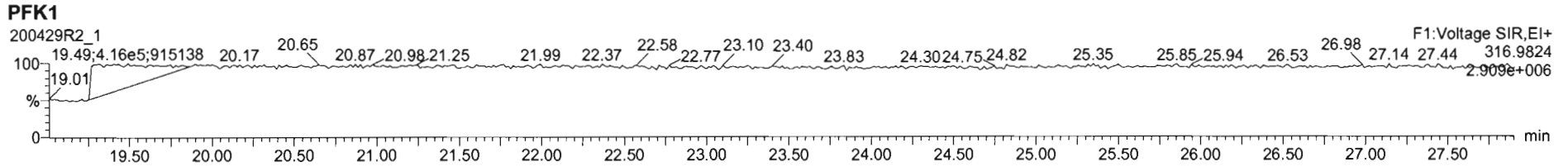




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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_1, Date: 29-Apr-2020, Time: 13:27:25, ID: ST200429R2_1 1613 CS0 19L2302, Description: 1613 CS0 19L2302



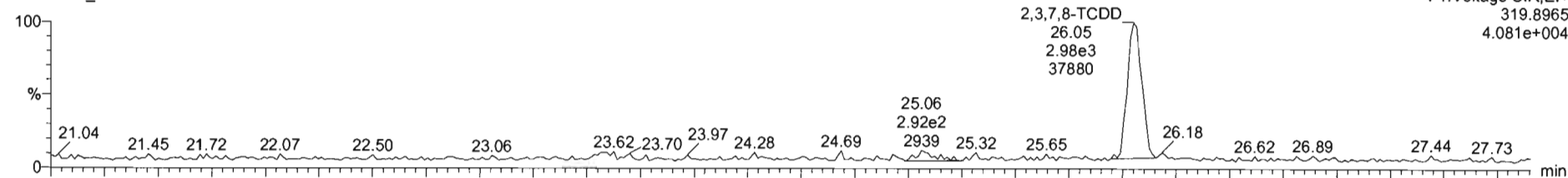
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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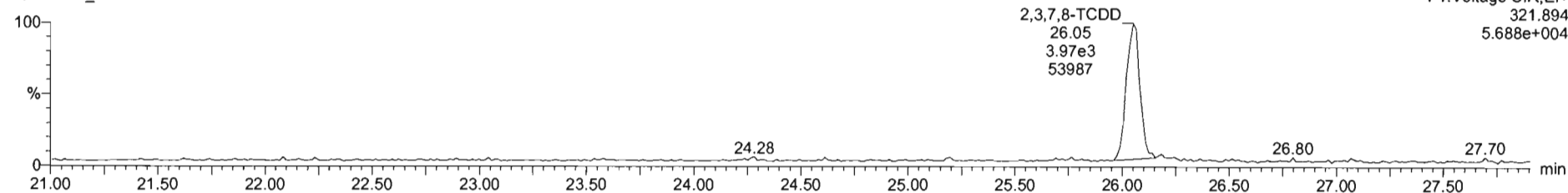
2,3,7,8-TCDD

200429R2_2



F1:Voltage SIR,EI+
319.8965
4.081e+004

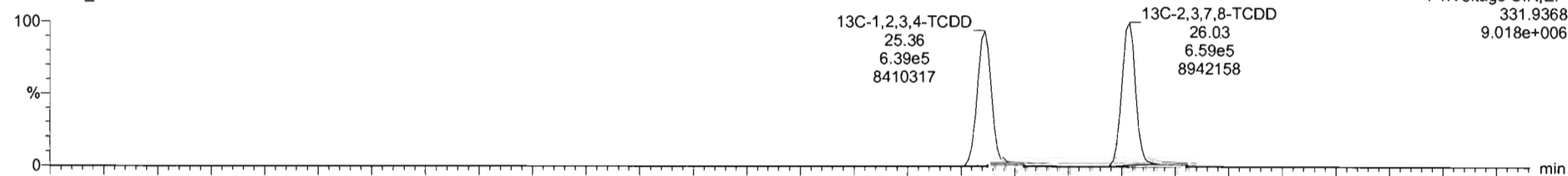
200429R2_2



F1:Voltage SIR,EI+
321.894
5.688e+004

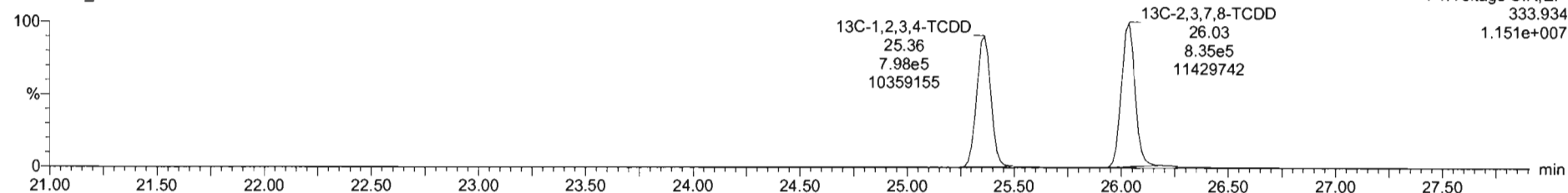
13C-2,3,7,8-TCDD

200429R2_2



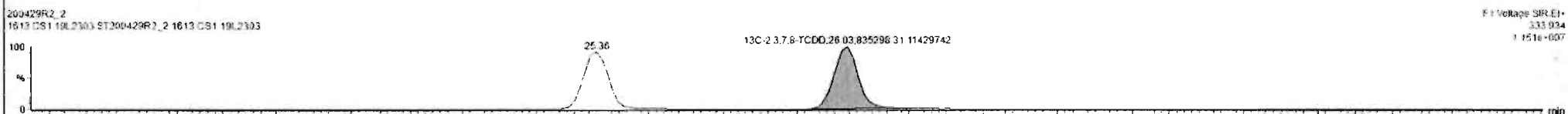
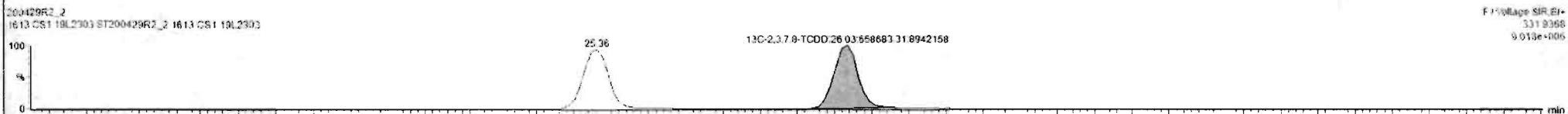
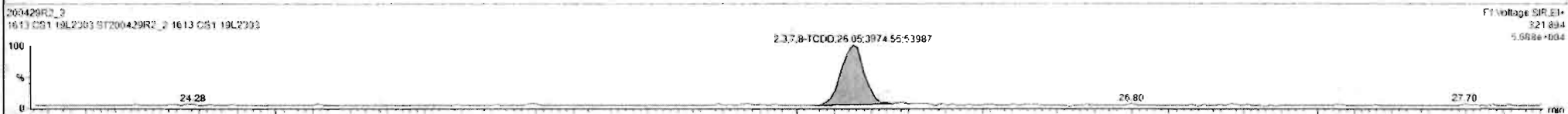
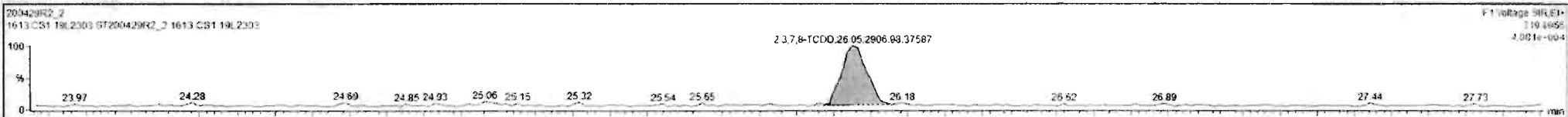
F1:Voltage SIR,EI+
331.9368
9.018e+006

200429R2_2



F1:Voltage SIR,EI+
333.934
1.151e+007

#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8015e3	1.4946e6	6.500	-2.8	5.35	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.8509e5	2.500	-3.1	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.205	NO	1.9608e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.9692e5	2.500	-0.2	6.93	0.696	0.0602
7	OCDD	41.25	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0767
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7318e3	2.2156e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8524e4	1.6515e6	2.500	0.1	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8966e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1032e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.183	NO	2.3827e4	1.0498e6	2.500	-1.5	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	6.7735e5	2.500	-1.8	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4610e6	5.000	-2.4	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

200429R2_2

CAP NUM

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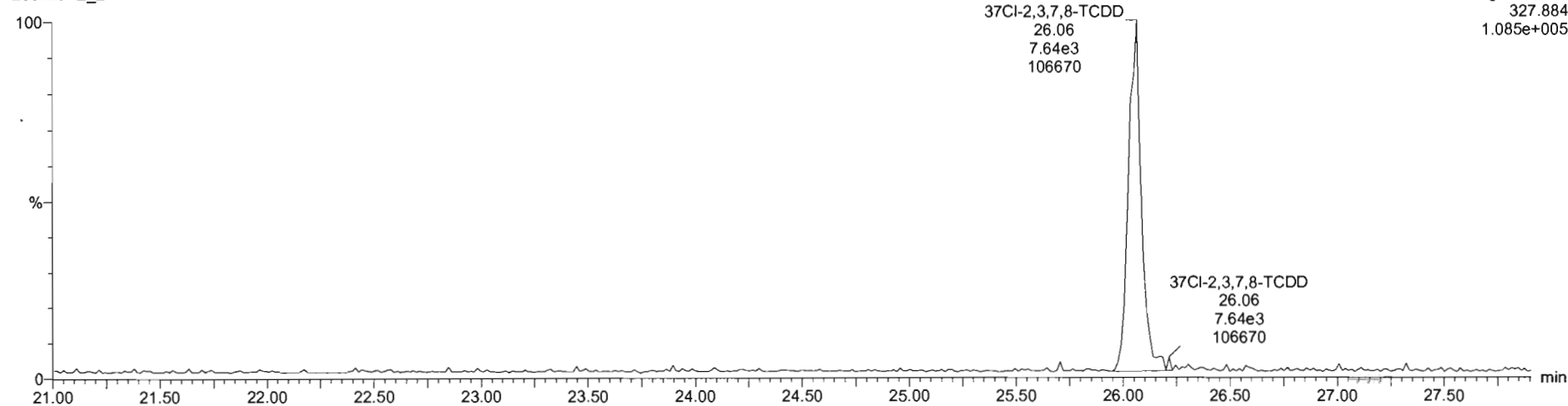
Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

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

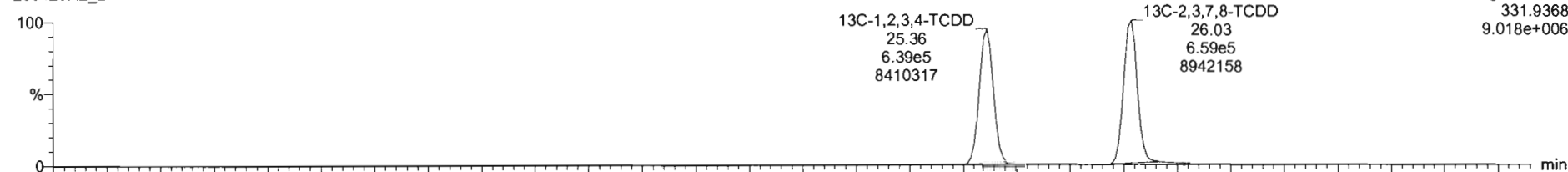
200429R2_2



F1:Voltage SIR,EI+
327.884
1.085e+005

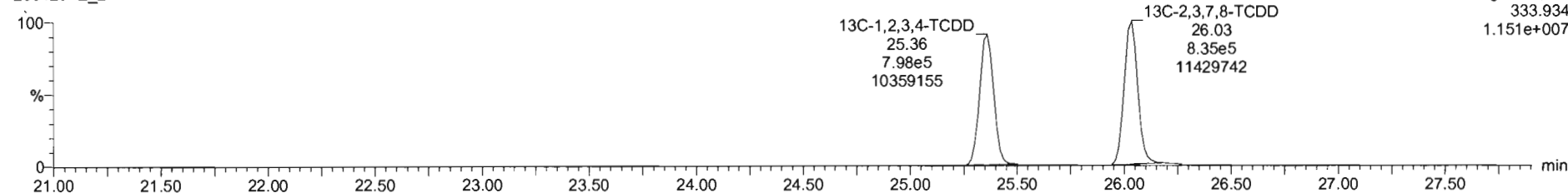
13C-1,2,3,4-TCDD

200429R2_2



F1:Voltage SIR,EI+
331.9368
9.018e+006

200429R2_2



F1:Voltage SIR,EI+
333.934
1.151e+007

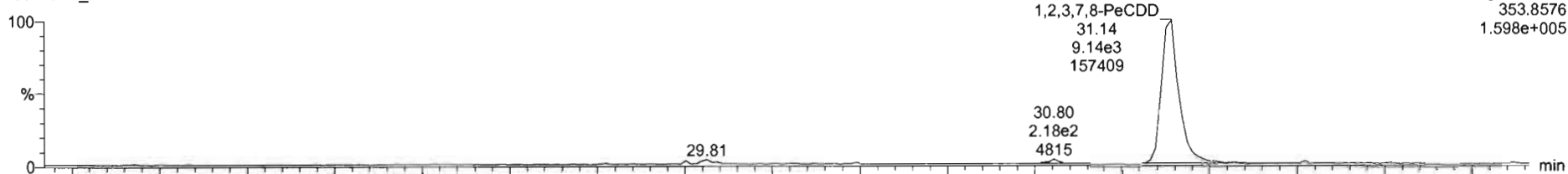
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

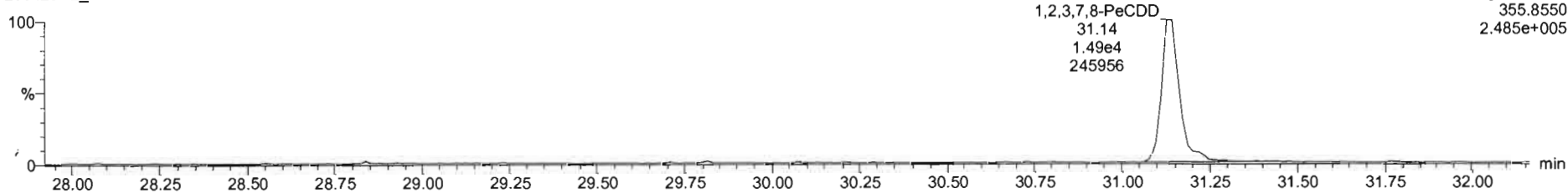
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1,2,3,7,8-PeCDD

200429R2_2

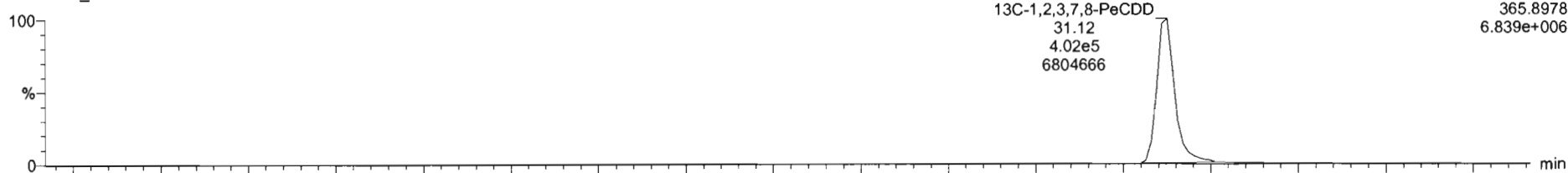


200429R2_2

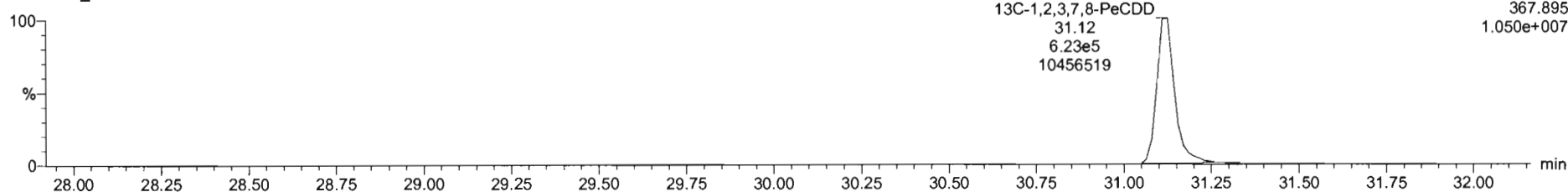


13C-1,2,3,7,8-PeCDD

200429R2_2



200429R2_2



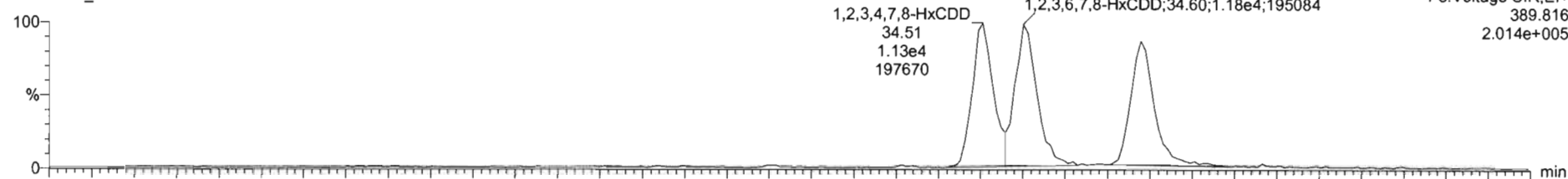
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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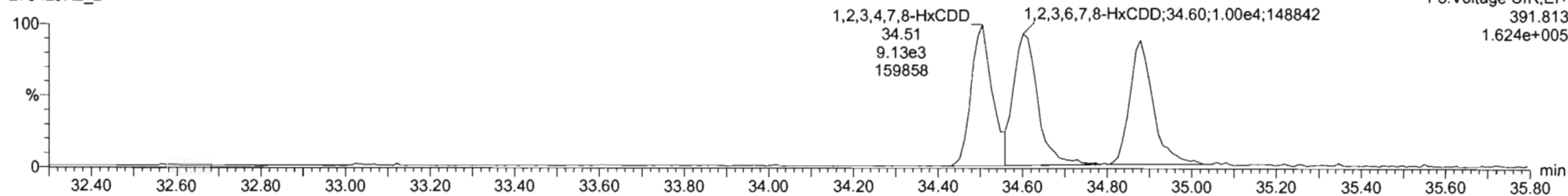
1,2,3,4,7,8-HxCDD

200429R2_2



F3: Voltage SIR, EI+
389.816
2.014e+005

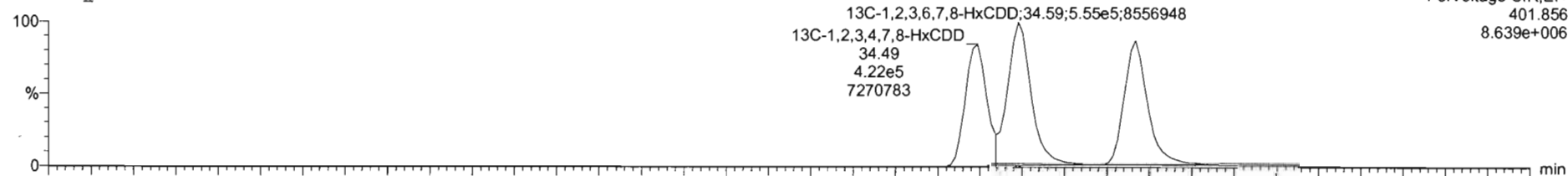
200429R2_2



F3: Voltage SIR, EI+
391.813
1.624e+005

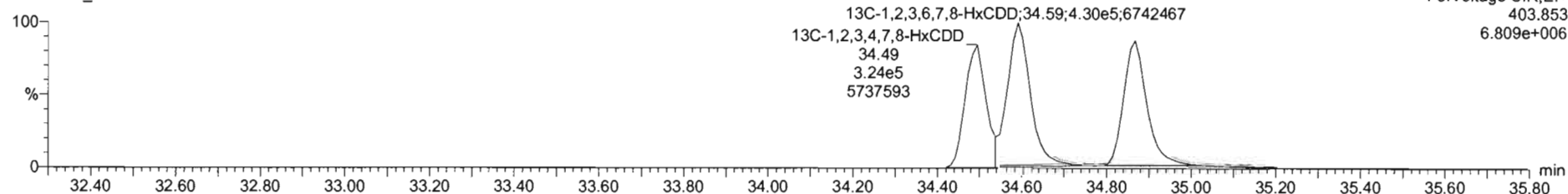
13C-1,2,3,4,7,8-HxCDD

200429R2_2

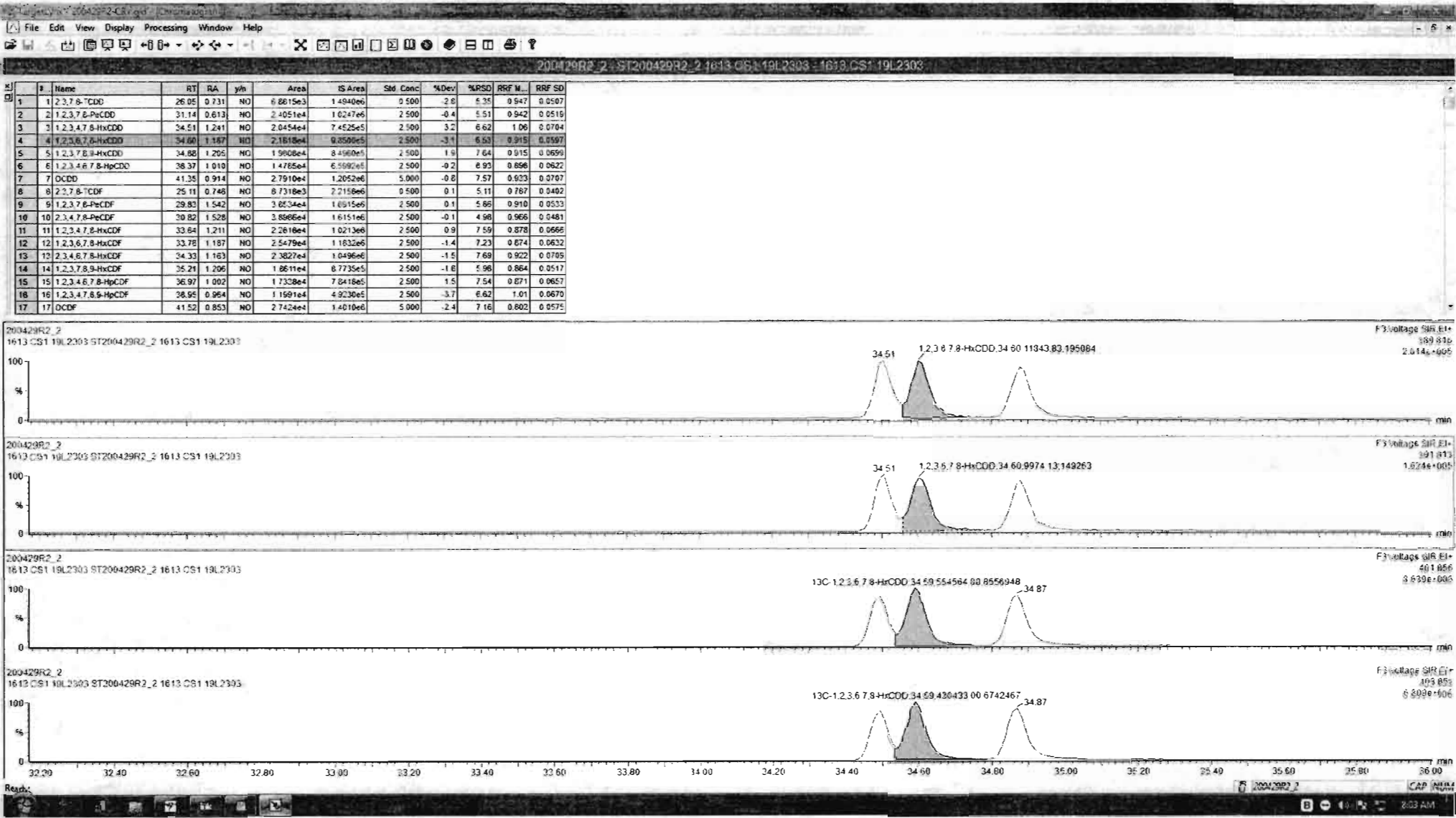


F3: Voltage SIR, EI+
401.856
8.639e+006

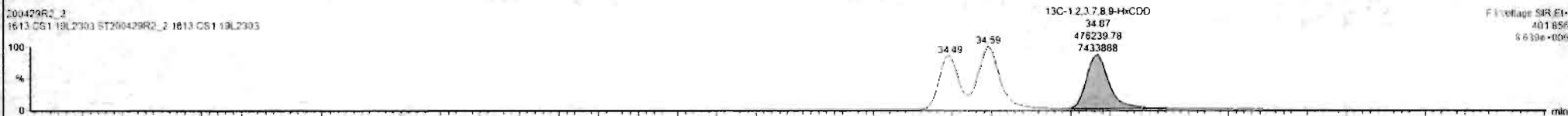
200429R2_2



F3: Voltage SIR, EI+
403.853
6.809e+006



#	Name	RT	RA	Yn	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8815e3	1.4840e0	0.500	-2.6	5.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e5	2.500	-0.4	5.51	0.942	0.0510
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.187	NO	2.1610e4	9.9500e5	2.500	-3.1	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.225	NO	1.9020e4	8.4500e5	2.500	1.9	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4765e4	6.5982e5	2.500	-0.2	6.93	0.856	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.746	NO	8.7318e3	2.2180e0	0.500	0.1	5.11	0.787	0.0402
9	1,2,3,7,8-PeCDF	29.82	1.542	NO	3.8624e4	1.6915e6	2.500	0.1	5.86	0.910	0.0523
10	2,3,4,7,8-PeCDF	20.82	1.528	NO	3.8866e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2610e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.674	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8611e4	8.7735e5	2.500	1.0	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.95	0.954	NO	1.1591e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

200429R2_2 CAP NUM

Dataset: Untitled

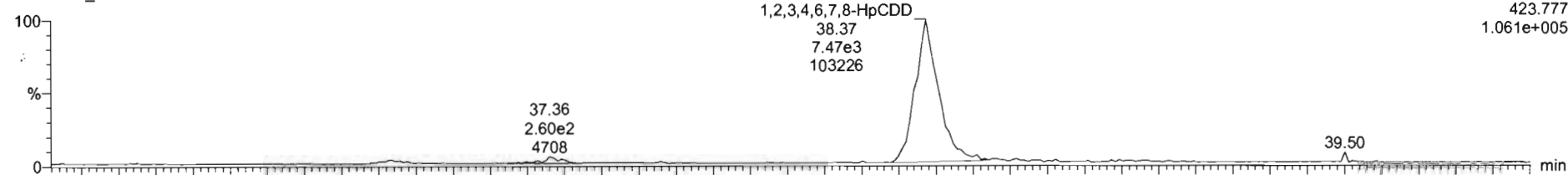
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Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

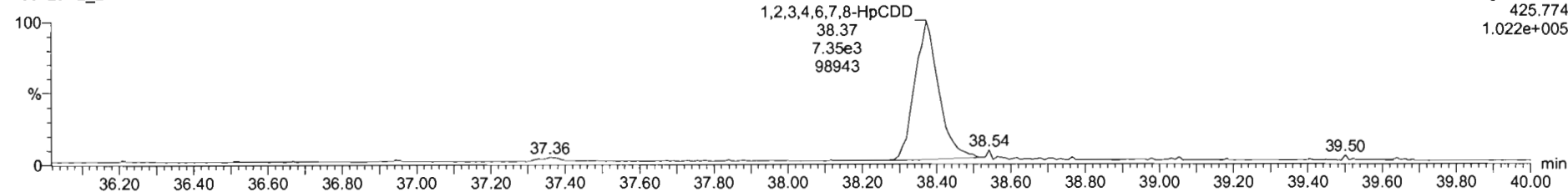
1,2,3,4,6,7,8-HpCDD

200429R2_2



F4:Voltage SIR,EI+
423.777
1.061e+005

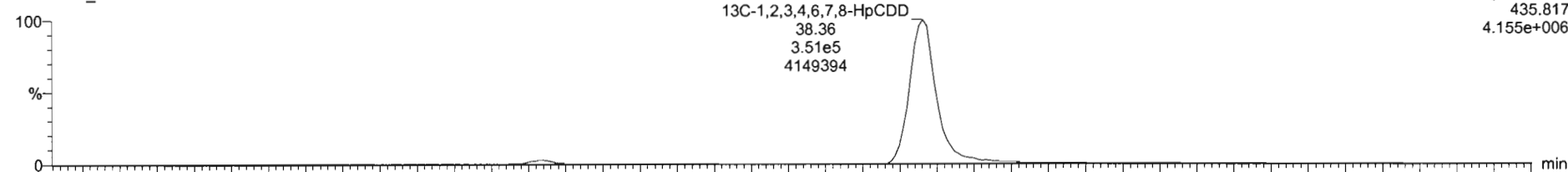
200429R2_2



F4:Voltage SIR,EI+
425.774
1.022e+005

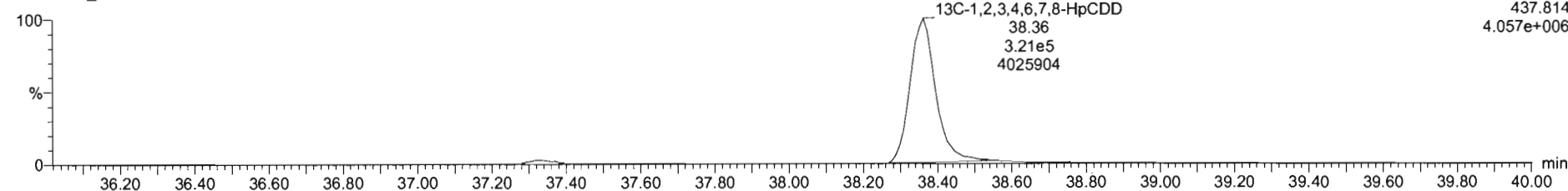
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200429R2_2

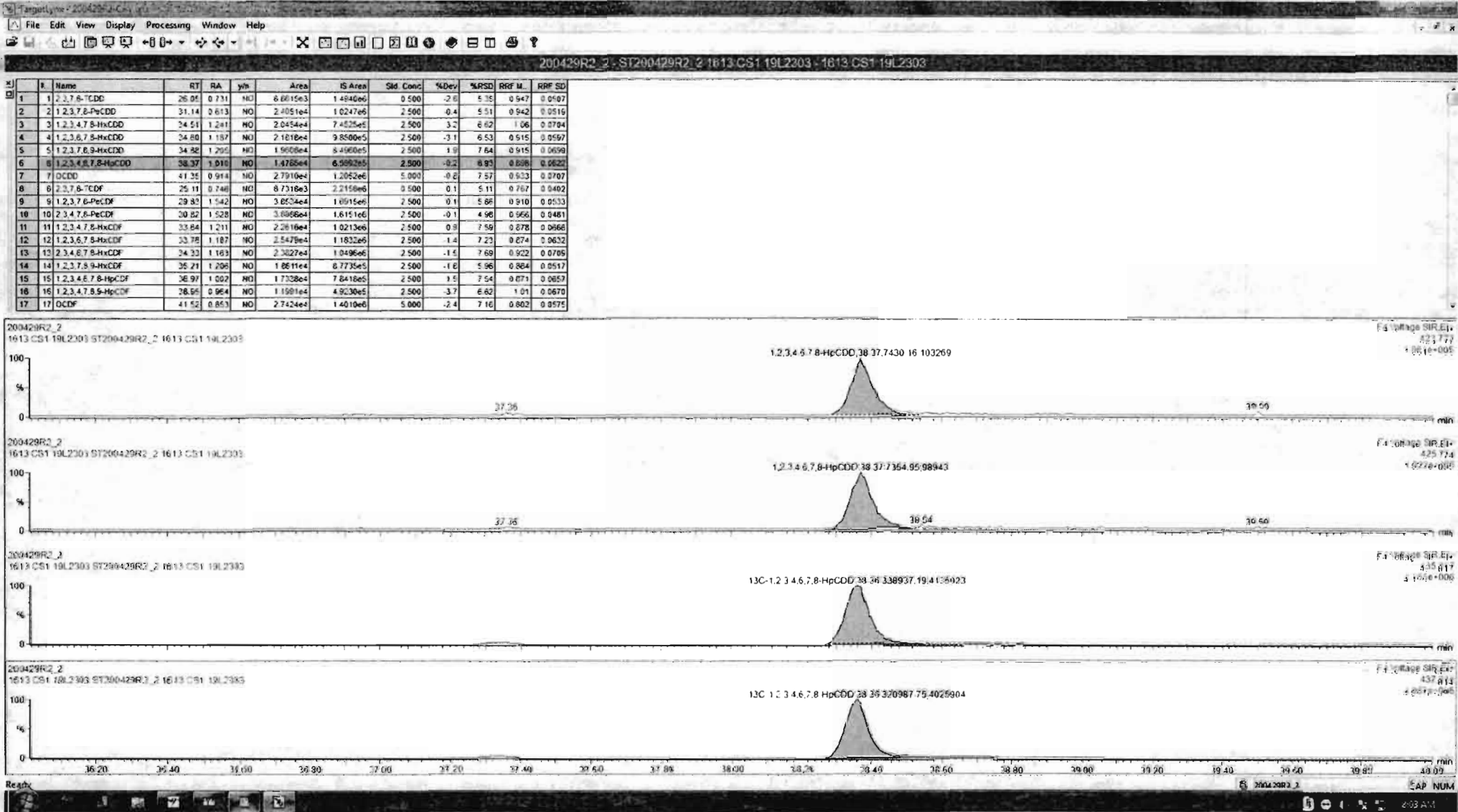


F4:Voltage SIR,EI+
435.817
4.155e+006

200429R2_2



F4:Voltage SIR,EI+
437.814
4.057e+006



Dataset: Untitled

Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time

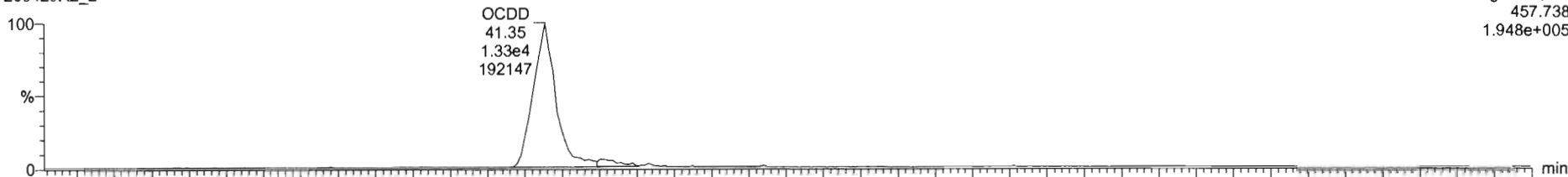
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OCDD

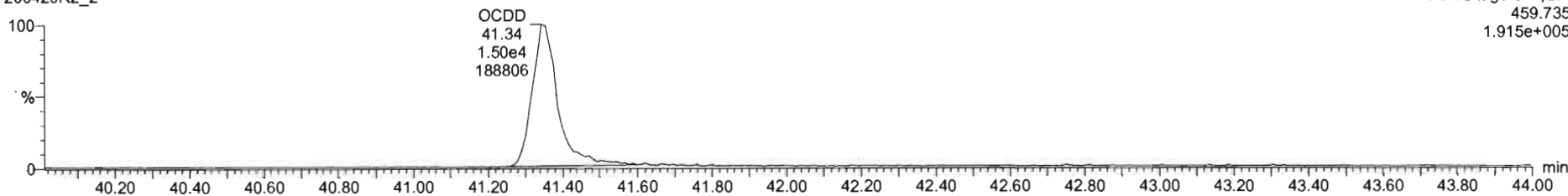
200429R2_2

F5:Voltage SIR,EI+
457.738
1.948e+005



200429R2_2

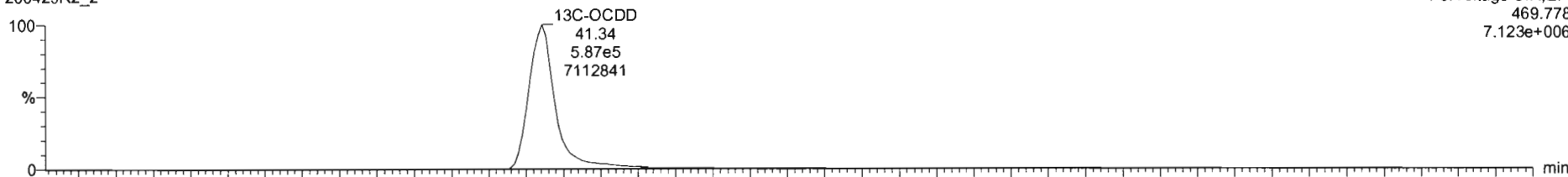
F5:Voltage SIR,EI+
459.735
1.915e+005



13C-OCDD

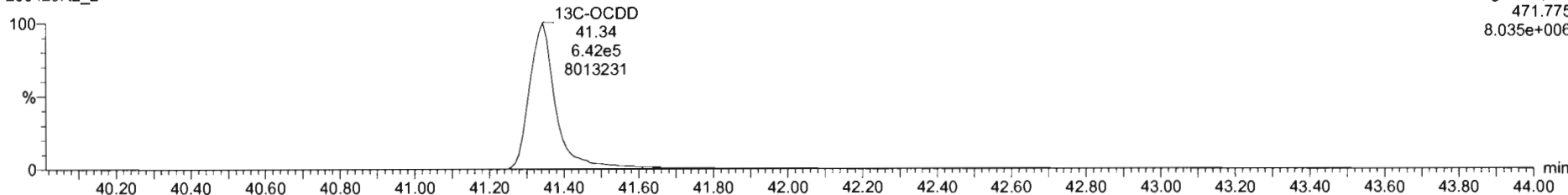
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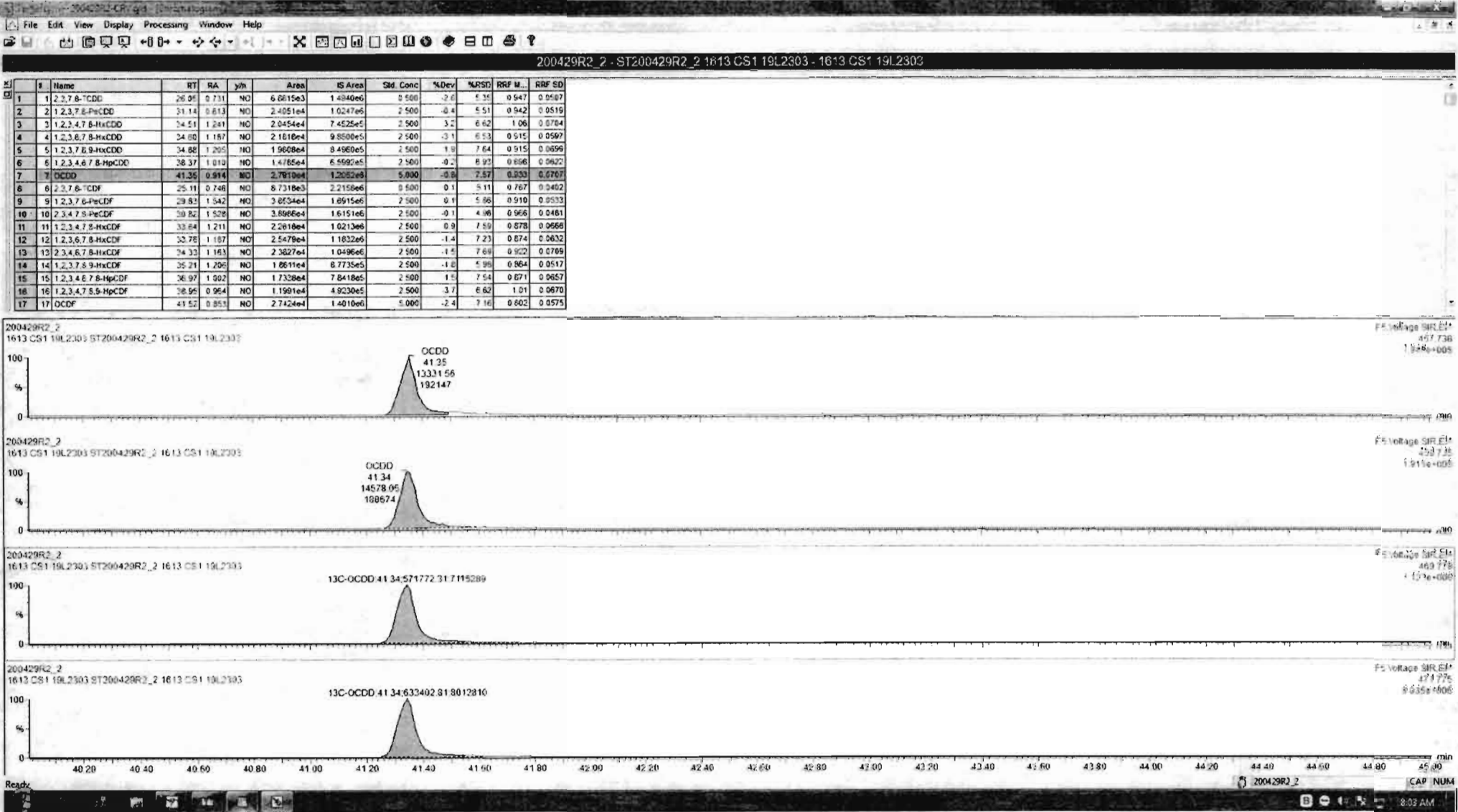
F5:Voltage SIR,EI+
469.778
7.123e+006



200429R2_2

F5:Voltage SIR,EI+
471.775
8.035e+006





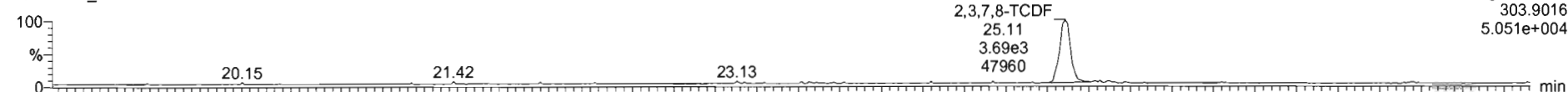
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Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
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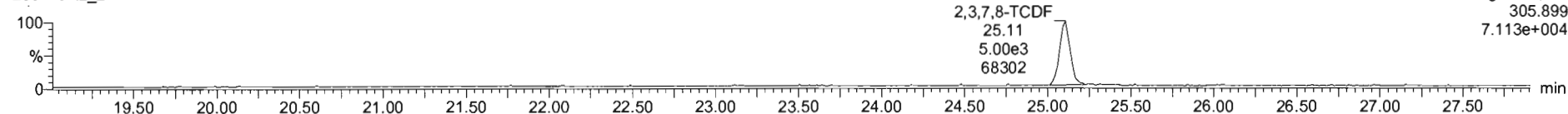
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2,3,7,8-TCDF

200429R2_2

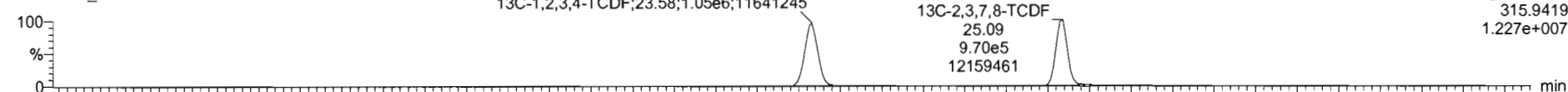


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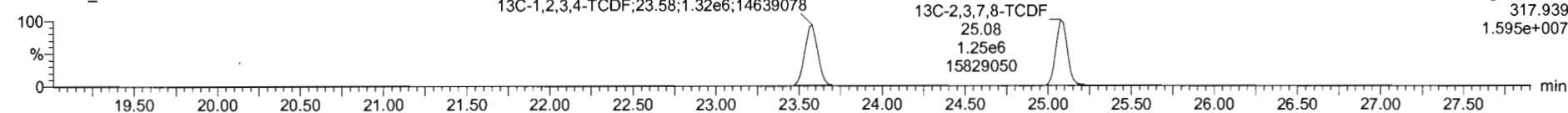


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200429R2_2

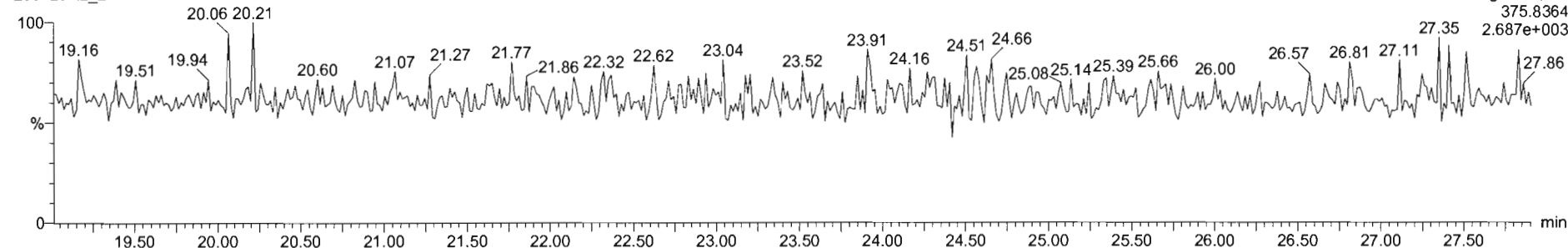


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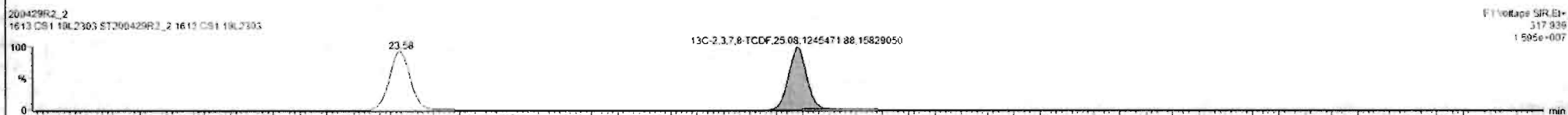
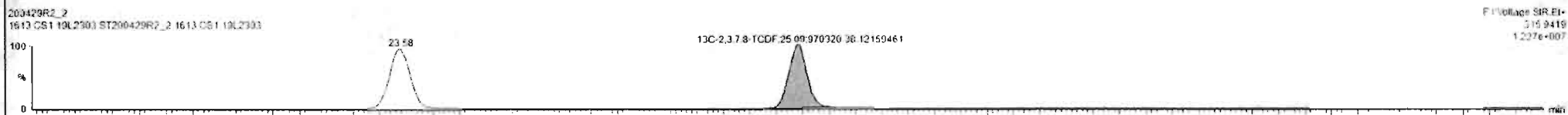
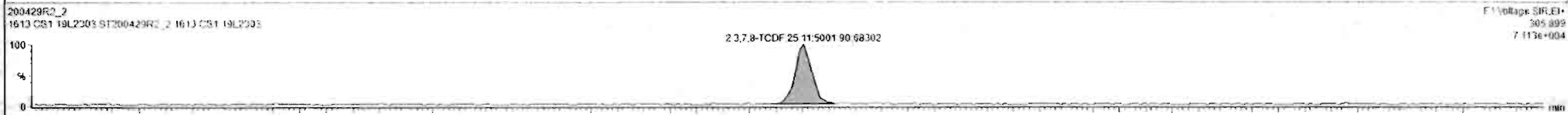
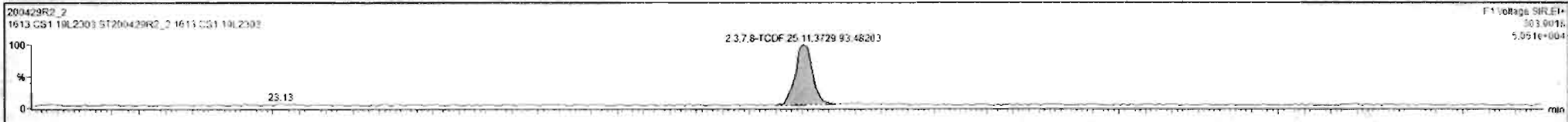


DPE1

200429R2_2



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1	1,2,3,7,8-TCDD	25.05	0.731	NO	6.6615e3	1.4940e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.813	NO	2.4051e4	1.0247e6	2.500	0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.5006e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.98	1.205	NO	1.9808e4	8.4990e5	2.500	1.9	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4785e4	6.5990e5	2.500	-0.2	6.37	0.856	0.0632
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.533	0.0707
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7518e3	2.2158e6	0.500	0.1	5.11	0.787	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6554e4	1.6915e6	2.500	0.1	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.82	1.628	NO	3.8966e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.211	NO	2.2610e4	1.0213e6	2.500	0.9	7.19	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1622e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	38.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



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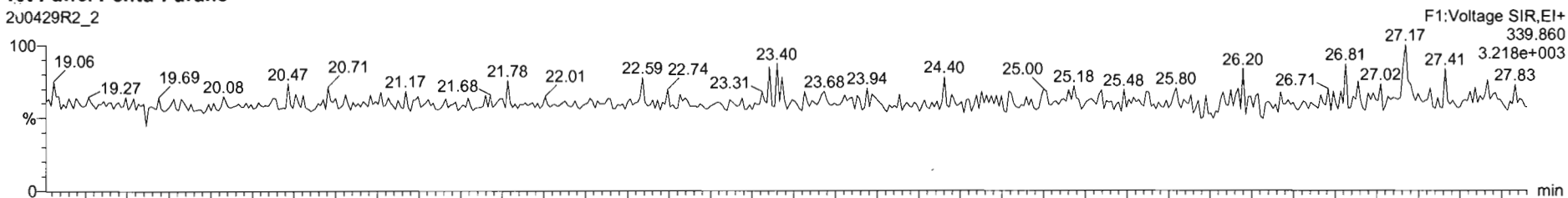
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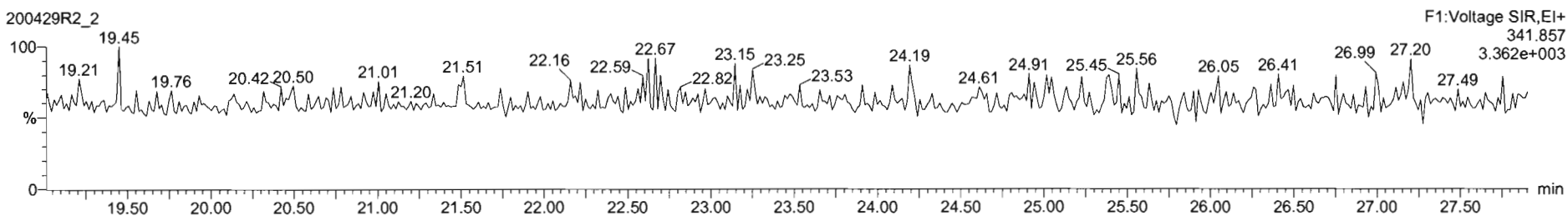
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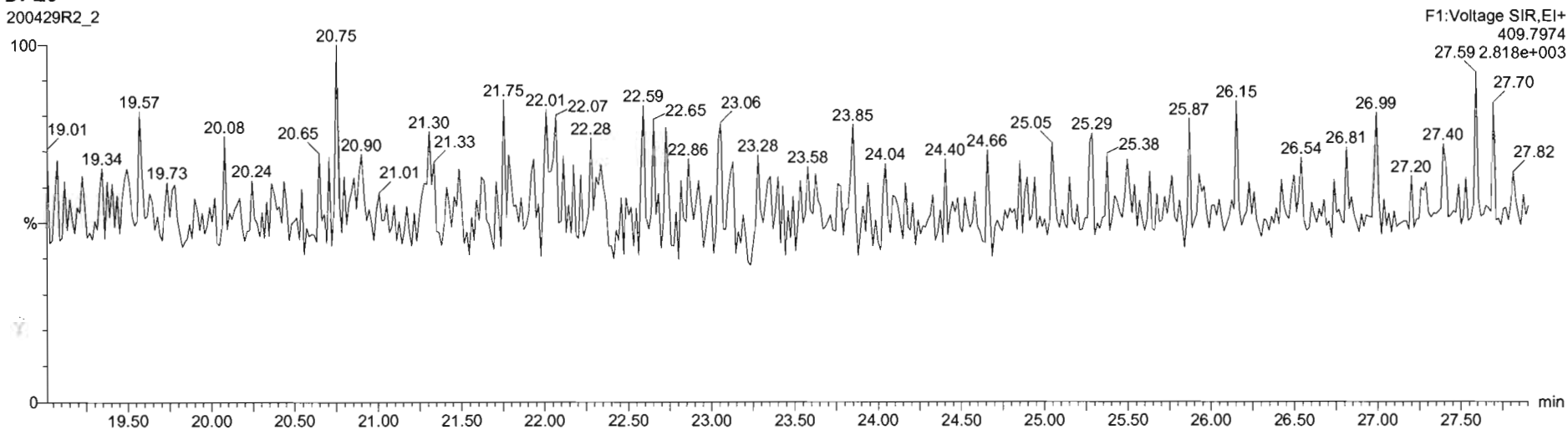


200429R2_2



DPE6

200429R2_2



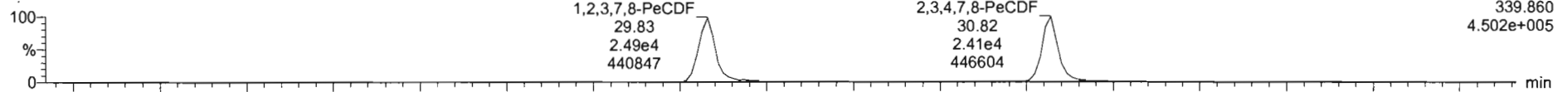
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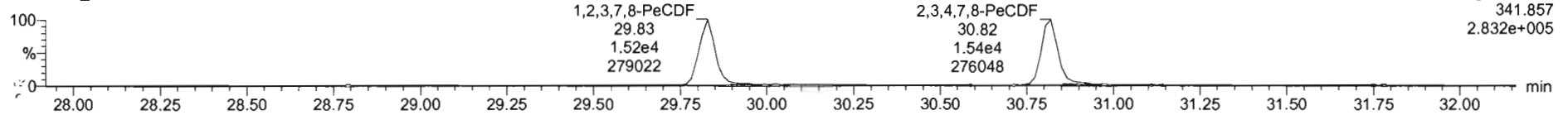
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1,2,3,7,8-PeCDF

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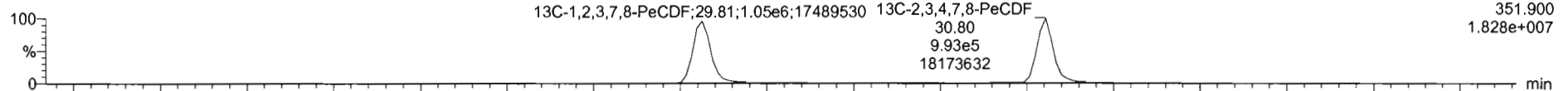


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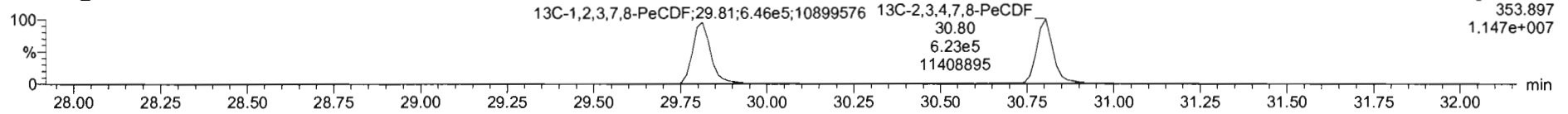


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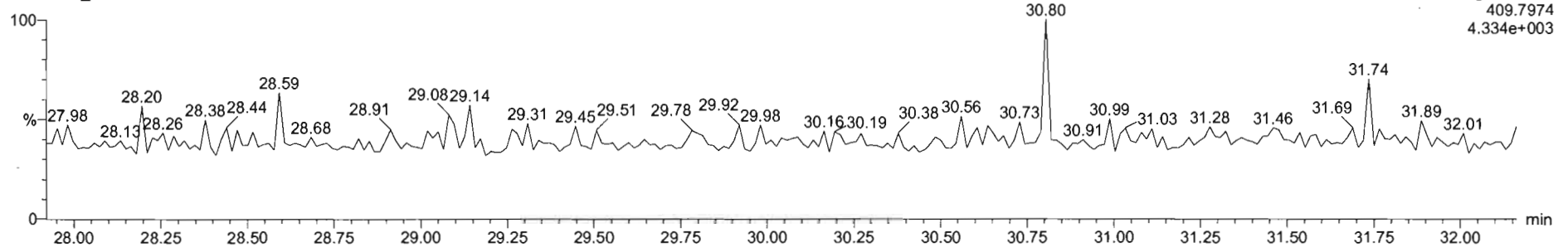


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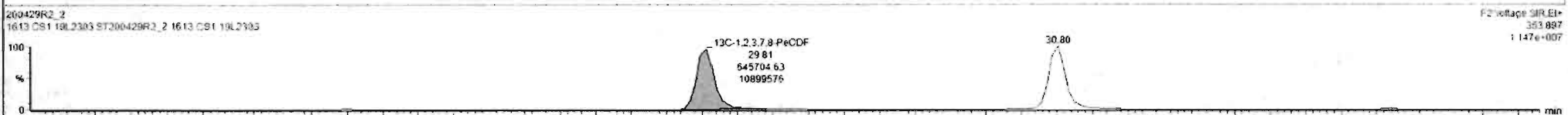
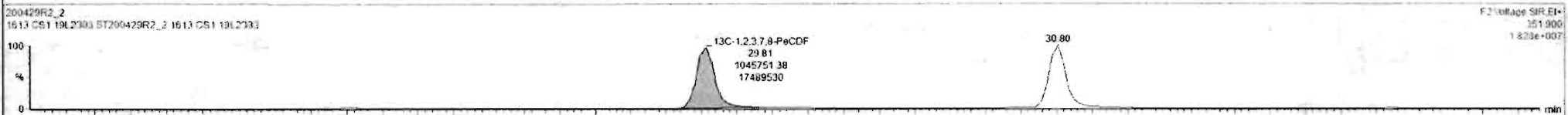
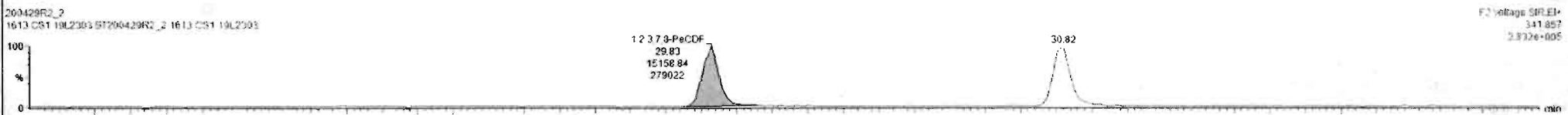
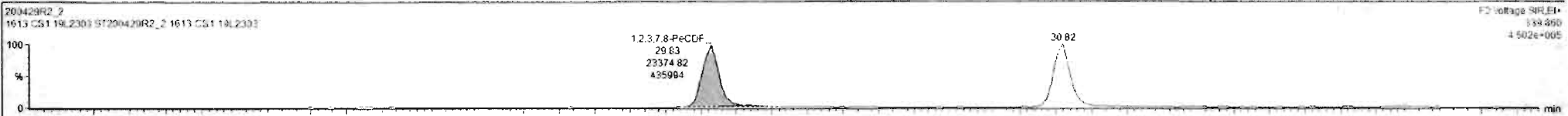


DPE2

200429R2_2



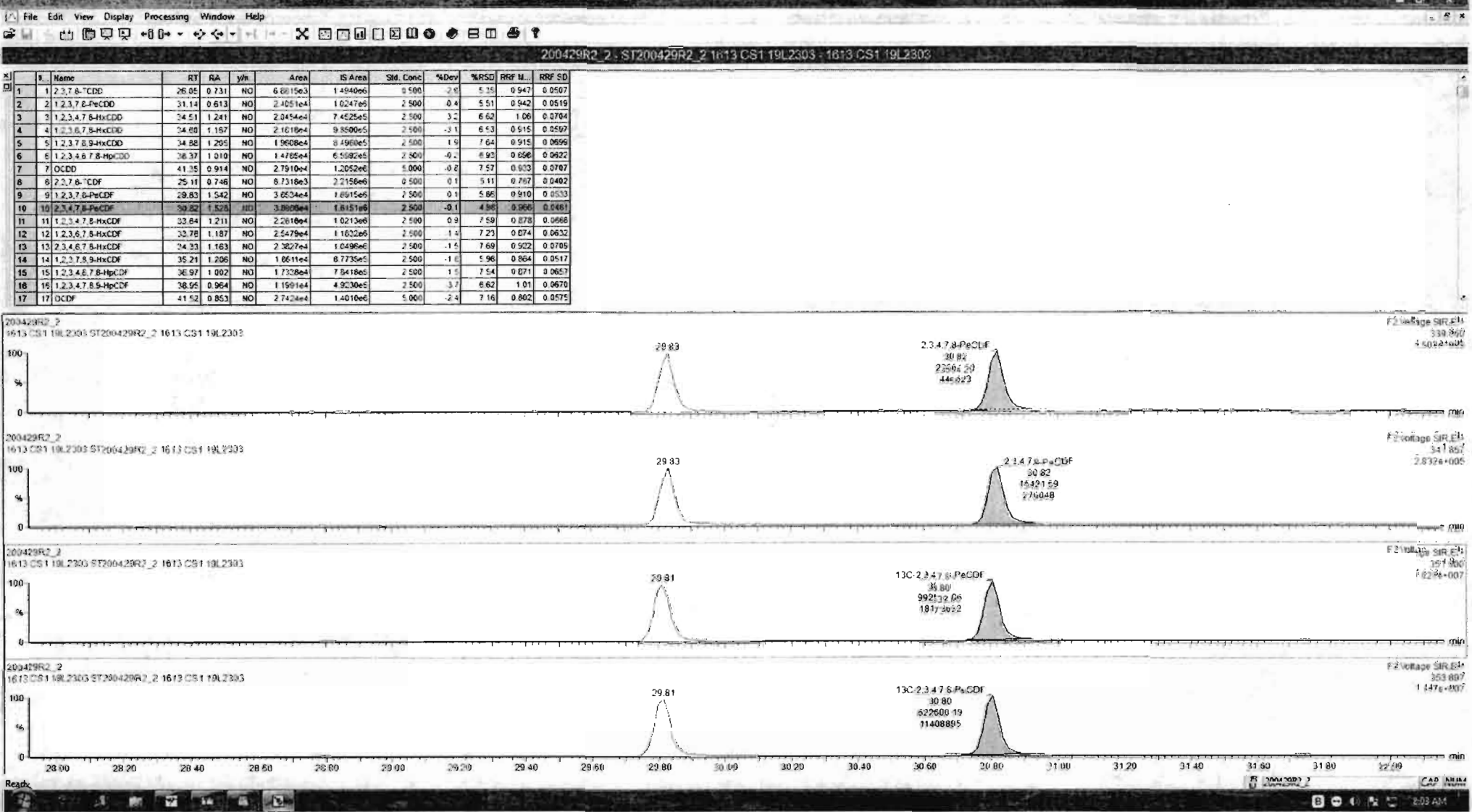
#	Name	RT	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
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2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	0.4	5.51	0.942	0.0515
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4225e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,7,8-HxCDF	34.80	1.187	NO	2.1810e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDF	34.88	1.295	NO	1.9808e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.856	0.0620
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.748	NO	8.7310e3	2.2158e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8534e4	1.6815e6	2.500	0.1	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.82	1.328	NO	3.8066e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	32.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	32.78	1.187	NO	2.5479e4	1.1632e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.183	NO	2.5827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	-1.0	6.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.964	NO	1.1591e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.862	0.0575



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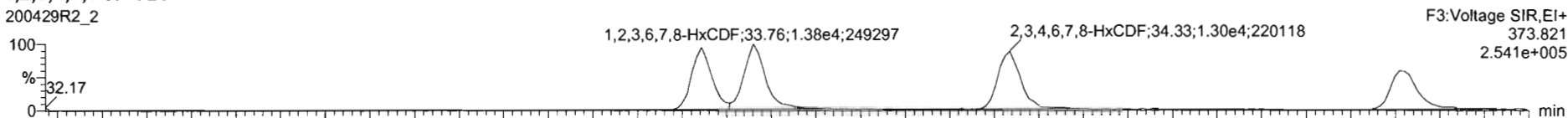
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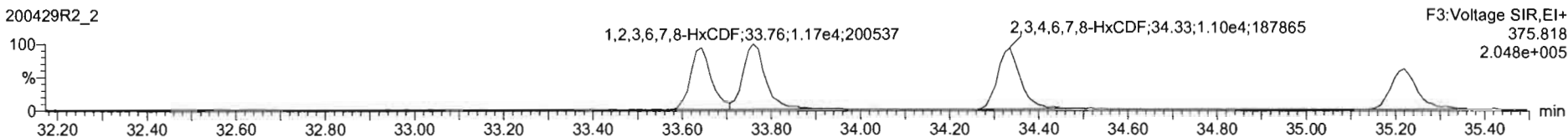
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1,2,3,4,7,8-HxCDF

200429R2_2

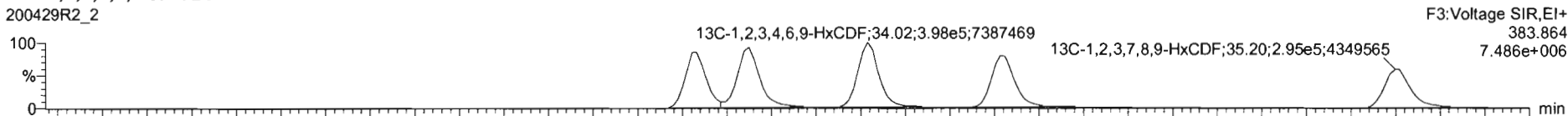


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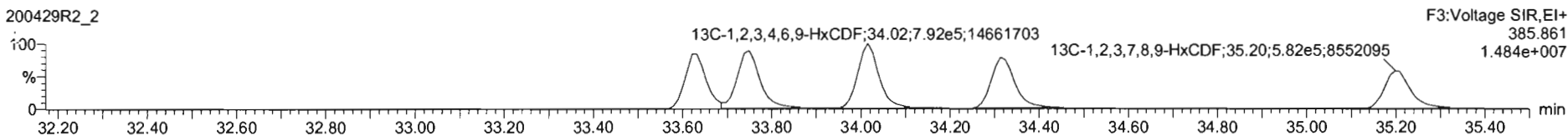


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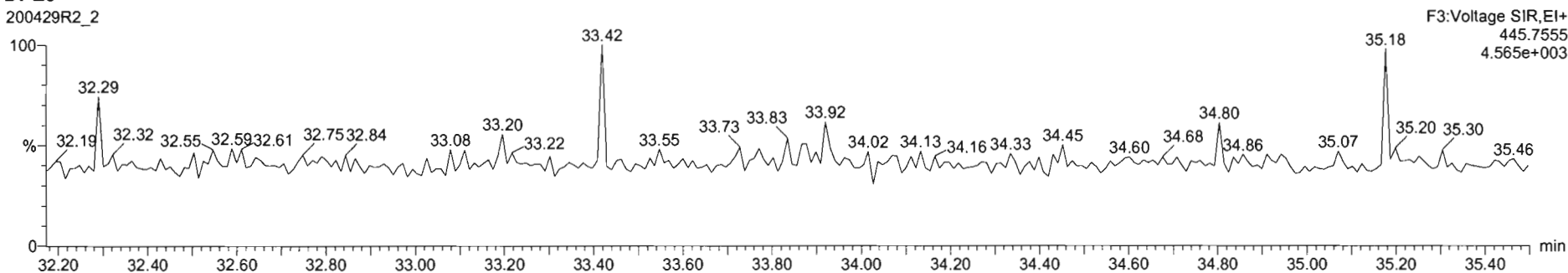


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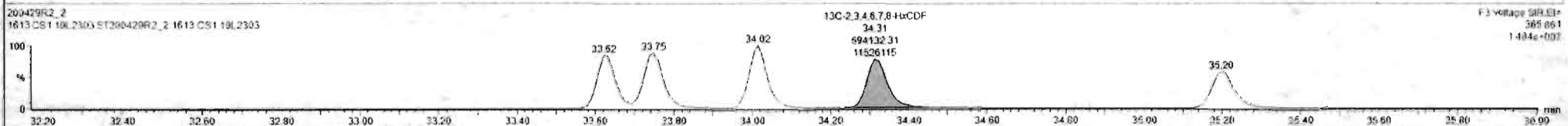
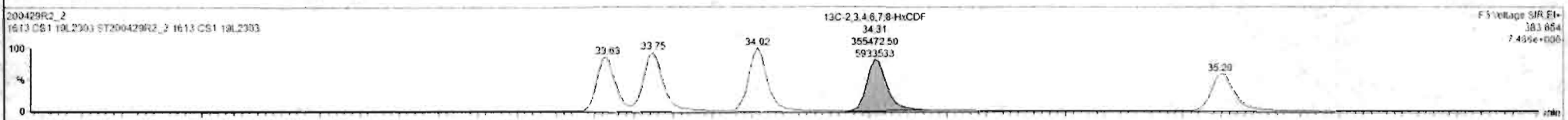


DPE3

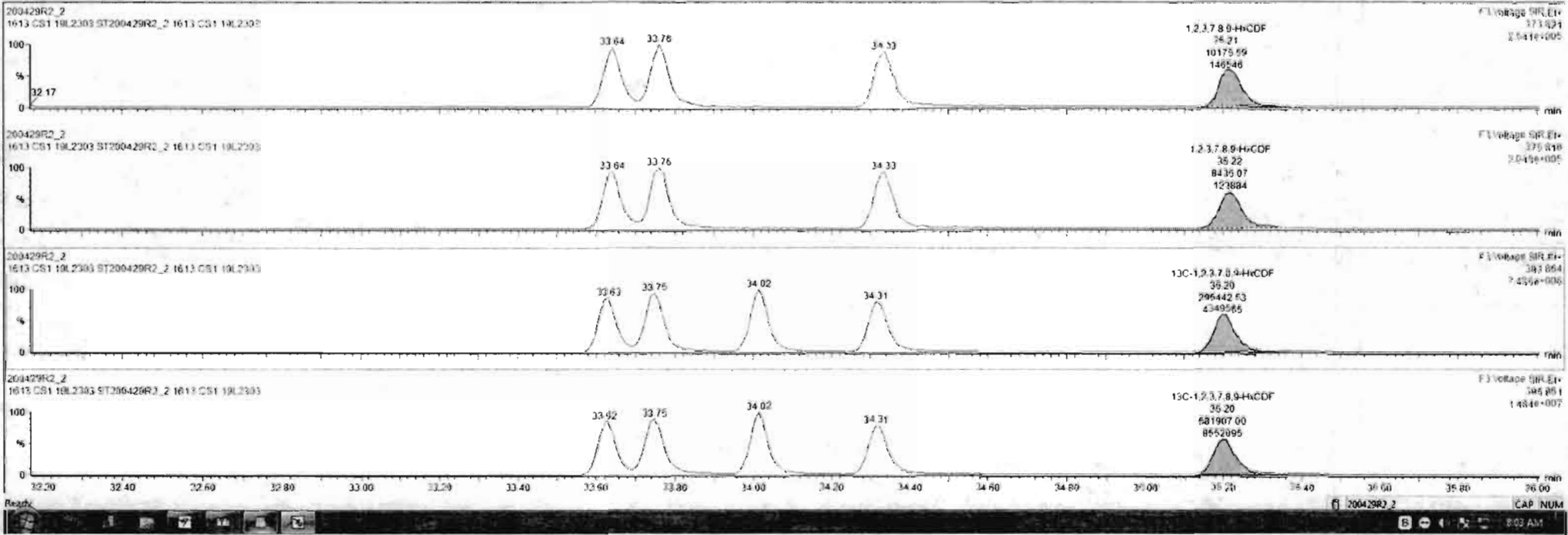
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#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDF	26.95	0.731	NO	6.8615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e5	2.500	0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.187	NO	2.1618e4	9.8000e5	2.500	-2.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.80	1.205	NO	1.9608e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4785e4	6.5992e5	2.500	-0.2	6.93	0.856	0.0622
7	OCDF	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.8	7.57	0.923	0.0707
8	2,3,7,8-TCDF	25.11	0.746	NO	6.7316e3	2.2158e6	0.500	0.1	5.11	0.767	0.0403
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.6934e4	1.6915e6	2.500	0.1	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8966e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2810e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.187	NO	2.5479e4	1.1632e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0490e6	2.500	-1.5	7.69	0.822	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.9611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.6418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1991e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



#	Name	RT	RA	ym	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.731	NO	6.8615e3	1.4540e6	0.500	-2.0	6.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.9454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.00	1.157	NO	2.1618e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.205	NO	1.9608e4	3.4560e5	2.500	1.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.896	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.0	7.57	0.923	0.0707
8	1,2,3,7,8-TCDF	25.11	0.740	NO	8.7310e3	2.2158e6	0.500	0.1	5.11	0.757	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8534e4	1.6915e6	2.500	0.1	5.66	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	29.82	1.528	NO	3.8666e4	1.6151e6	2.500	-0.1	4.90	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.0	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1032e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8071e4	8.7735e5	2.500	-1.0	5.96	0.804	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.6418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	0.964	NO	1.1991e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.802	0.0575



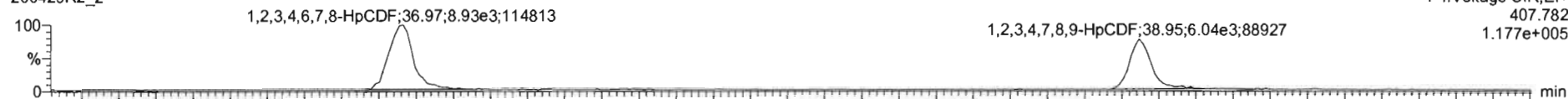
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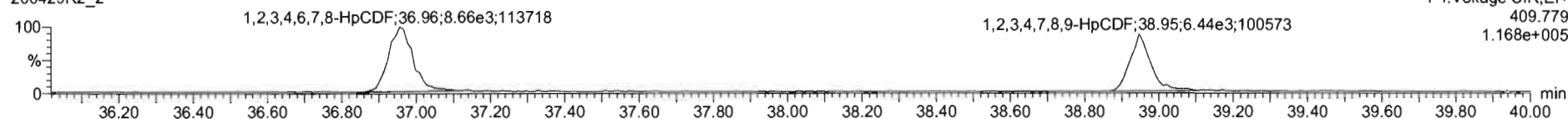
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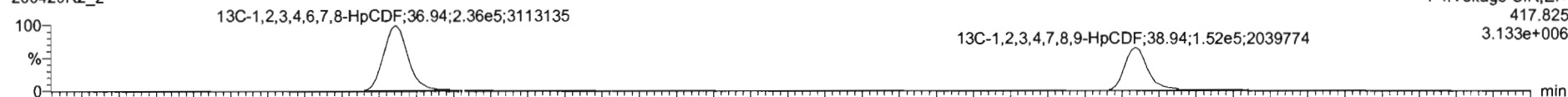


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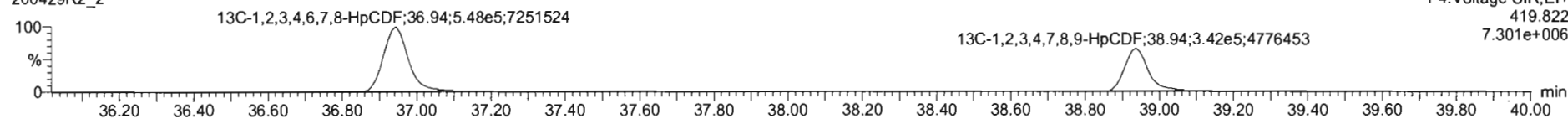


13C-1,2,3,4,6,7,8-HpCDF

200429R2_2

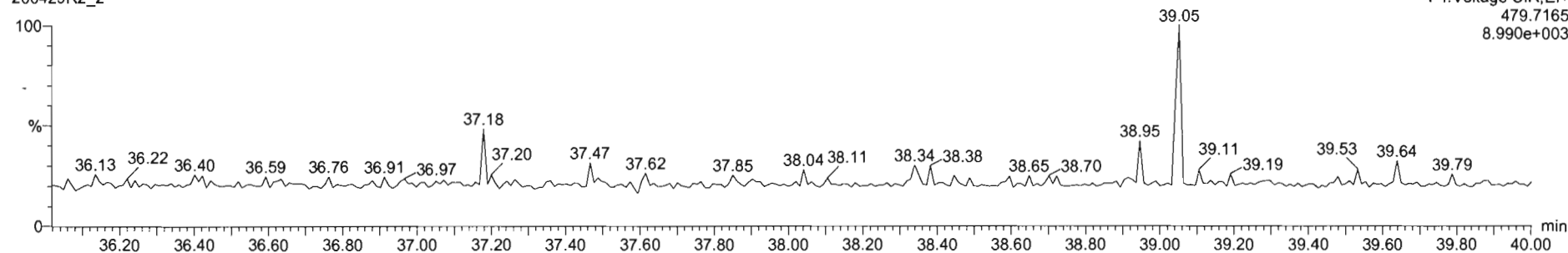


200429R2_2

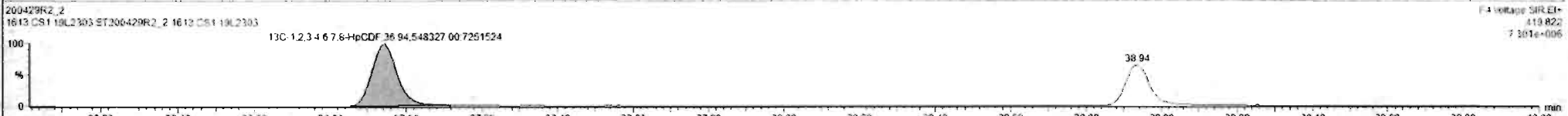
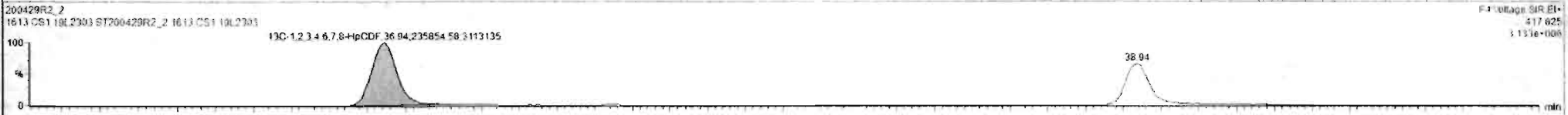
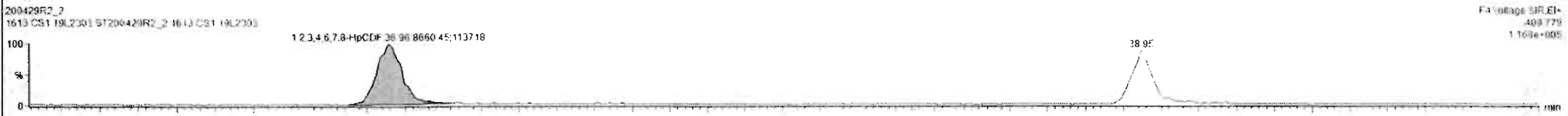


DPE4

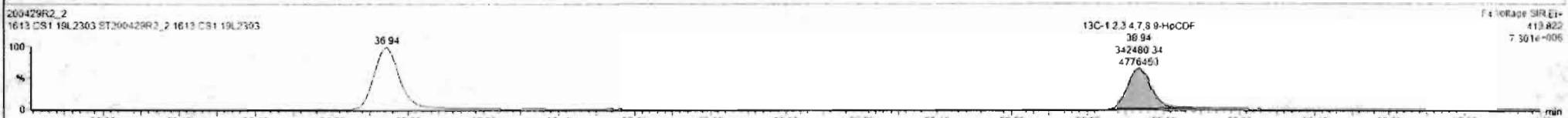
200429R2_2



#	Name	RT	RA	yln	Area	IS Area	Std. Conc	%Dev	MRSD	RRF U	RRF SD
1	1,2,3,7,8-TCDF	26.95	0.731	NO	6.2615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDF	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.8454e4	7.4225e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.157	NO	2.1618e4	9.8600e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.92	1.205	NO	1.5608e4	8.4960e5	2.500	1.5	7.64	0.915	0.0698
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4785e4	6.5992e5	2.500	-0.2	6.93	0.858	0.0622
7	OCDD	41.35	0.954	NO	2.7910e4	1.2052e6	0.000	-0.8	7.57	0.933	0.0707
8	1,2,3,7,8-TCDF	25.11	0.746	NO	8.7316e3	2.2158e6	0.500	0.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.0734e4	1.0915e6	2.500	0.1	5.66	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.82	1.628	NO	3.8686e4	1.6151e6	2.500	-0.1	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2616e4	1.0213e6	2.500	0.9	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	32.78	1.187	NO	2.5479e4	1.1822e6	2.500	-1.4	7.21	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8511e4	8.7735e5	2.500	-1.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.022	NO	1.7138e4	7.8412e5	2.500	1.5	7.54	0.871	0.0552
16	1,2,3,4,7,8,9-HpCDF	38.95	0.954	NO	1.1591e4	4.9230e5	2.500	3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.060	-2.4	7.16	0.862	0.0575



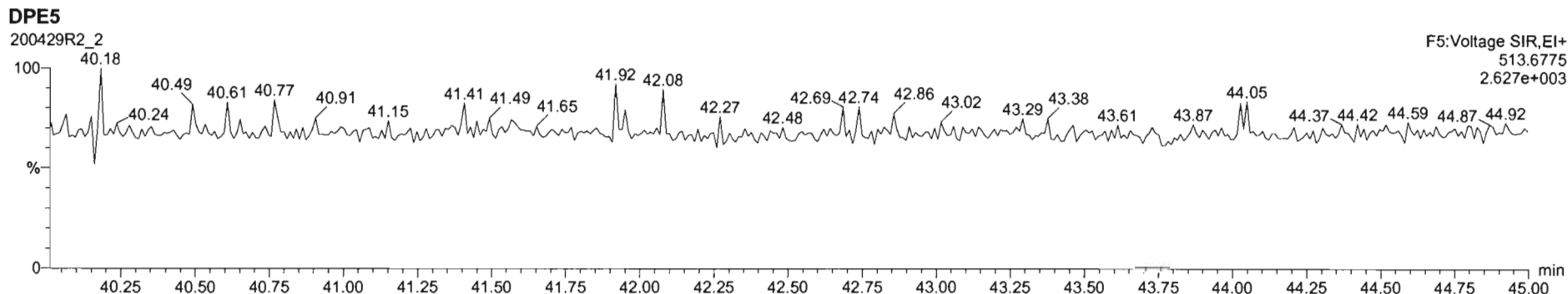
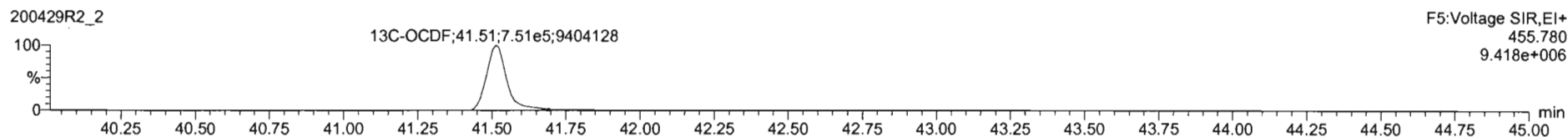
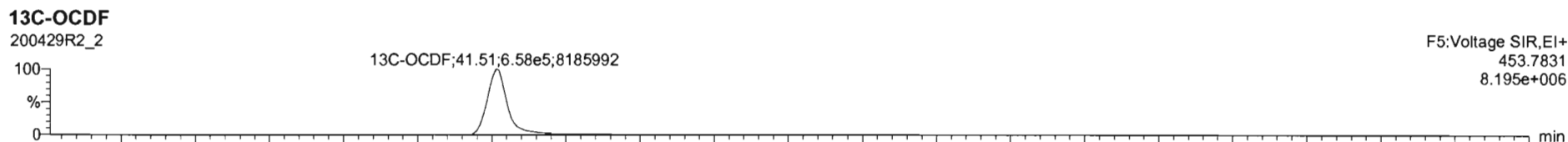
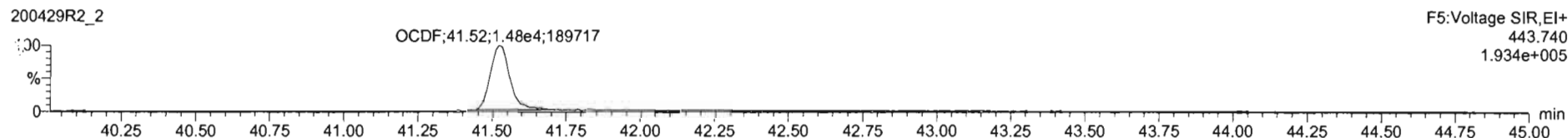
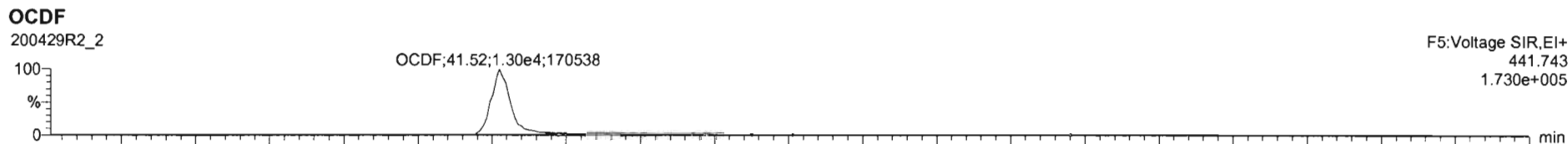
#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.95	0.731	NO	6.8615e3	1.4940e6	0.500	-2.8	5.35	0.947	0.0107
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.42	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.69	1.187	NO	2.1818e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.295	NO	1.9608e4	3.4960e5	2.500	1.6	7.84	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	36.37	1.010	NO	1.4785e4	6.5900e5	2.500	-0.2	6.93	0.656	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.933	0.0707
8	2,3,7,8-TCDF	29.11	0.748	NO	8.7318e3	2.2158e6	0.500	0.1	5.11	0.757	0.0462
9	1,2,3,7,8-PeCDF	29.43	1.542	NO	3.6534e4	1.6915e6	2.500	0.1	5.62	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.528	NO	3.8986e4	1.6151e6	2.500	-0.1	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.211	NO	2.2818e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.187	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.163	NO	2.3827e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.206	NO	1.8611e4	8.7735e5	2.500	-1.6	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7338e4	7.6418e5	2.500	1.5	7.54	0.871	0.0617
16	1,2,3,4,7,8,9-HpCDF	38.95	0.984	NO	1.1591e4	4.9238e5	2.500	-3.7	6.82	1.01	0.0679
17	OCDF	41.52	0.853	NO	2.7424e4	1.4010e6	5.000	-2.4	7.16	0.662	0.0575



Dataset: Untitled

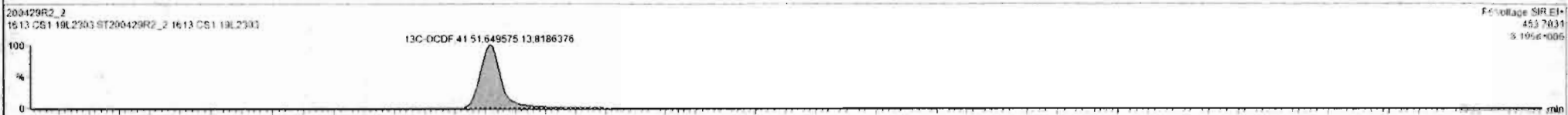
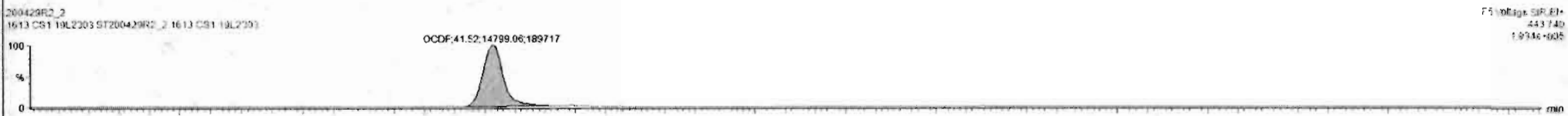
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



200429R2_2 - ST200429R2_2 - 1613 CS1 19L2303 - 1613 CS1 19L2303

#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	26.05	0.731	NO	6.8615e3	1.4840e6	0.500	-2.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.613	NO	2.4051e4	1.0247e6	2.500	-0.4	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.241	NO	2.0454e4	7.4525e5	2.500	3.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.197	NO	2.1618e4	9.8500e5	2.500	-3.1	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.205	NO	1.9808e4	8.4960e5	2.500	1.9	7.64	0.915	0.0696
6	1,2,3,4,6,7,8-HpCDD	38.37	1.010	NO	1.4765e4	6.5992e5	2.500	-0.2	6.93	0.696	0.0622
7	OCDD	41.35	0.914	NO	2.7910e4	1.2052e6	5.000	-0.2	7.57	0.633	0.0767
8	2,3,7,8-TCDF	25.11	0.746	NO	8.7310e3	2.2156e6	0.500	0.1	5.11	0.787	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.542	NO	3.8754e4	1.6915e6	2.500	0.1	5.66	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.82	1.528	NO	3.8996e4	1.6151e6	2.500	-0.1	4.95	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.211	NO	2.2618e4	1.0213e6	2.500	0.9	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.197	NO	2.5479e4	1.1832e6	2.500	-1.4	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.163	NO	2.3227e4	1.0496e6	2.500	-1.5	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.205	NO	1.8611e4	8.7735e5	2.500	-1.6	5.98	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	1.002	NO	1.7328e4	7.8418e5	2.500	1.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.55	0.954	NO	1.1591e4	4.9230e5	2.500	-3.7	6.62	1.01	0.0670
17	OCDF	41.52	0.883	NO	2.7424e4	1.4010e6	5.000	-2.4	7.18	0.802	0.0573

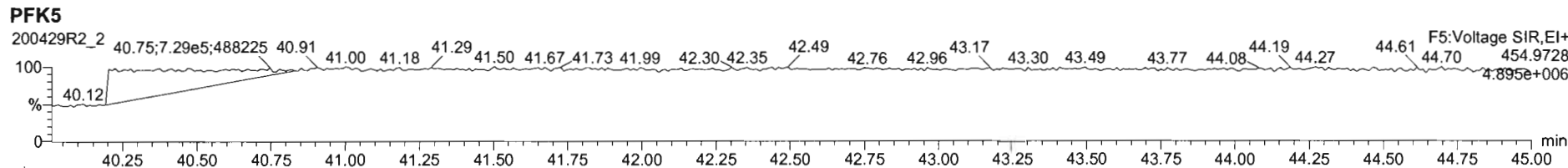
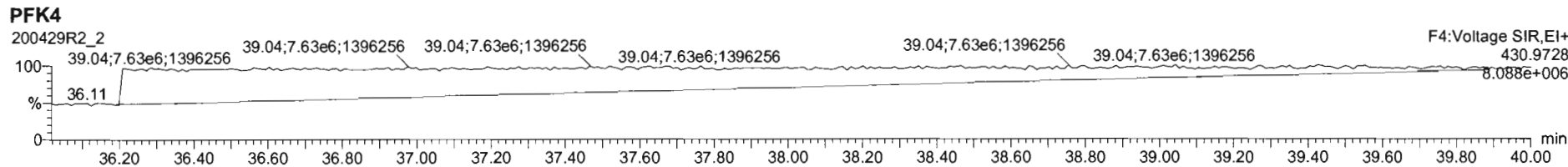
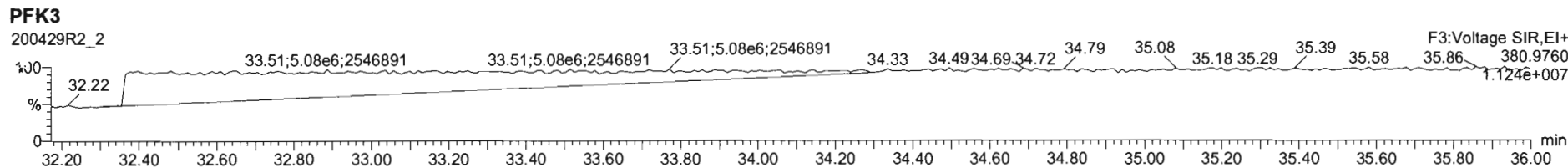
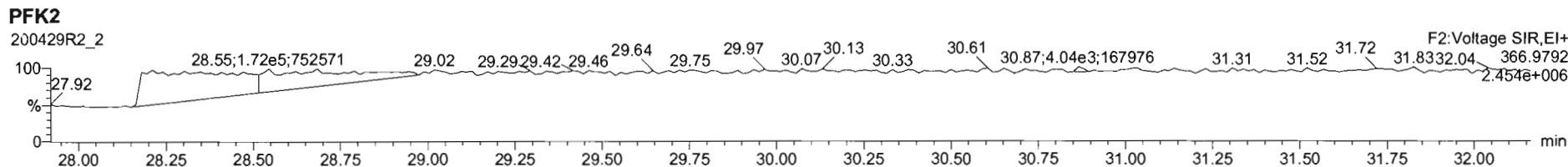
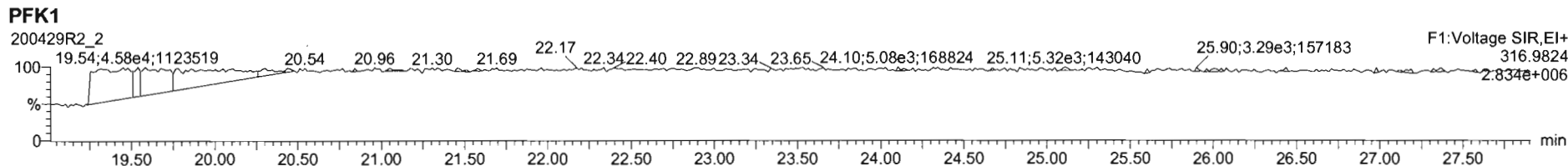


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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_2, Date: 29-Apr-2020, Time: 14:15:04, ID: ST200429R2_2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



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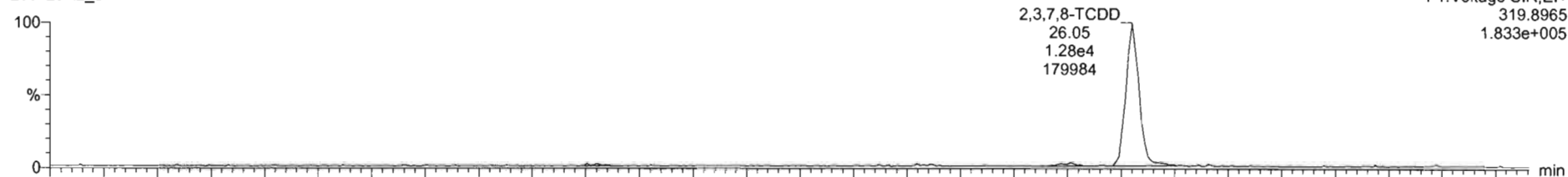
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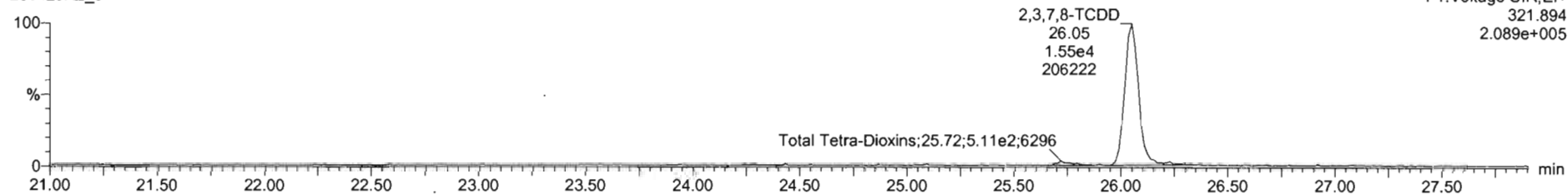
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2,3,7,8-TCDD

200429R2_3

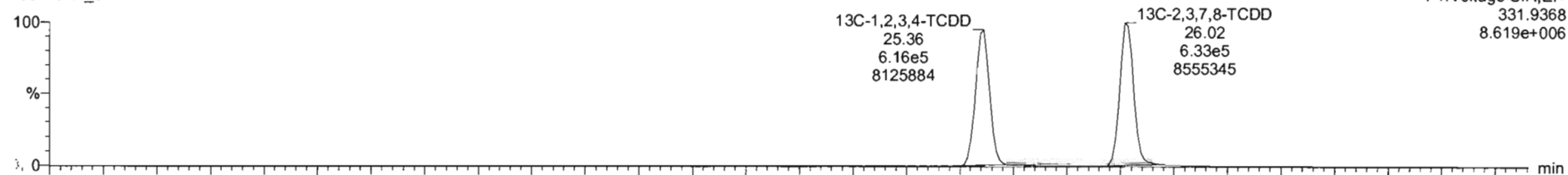


200429R2_3

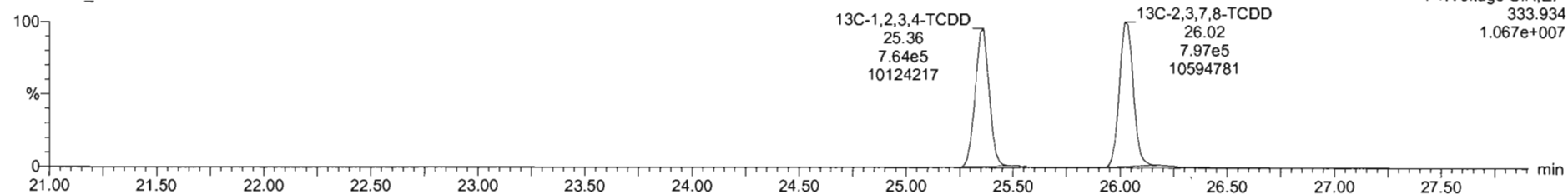


13C-2,3,7,8-TCDD

200429R2_3

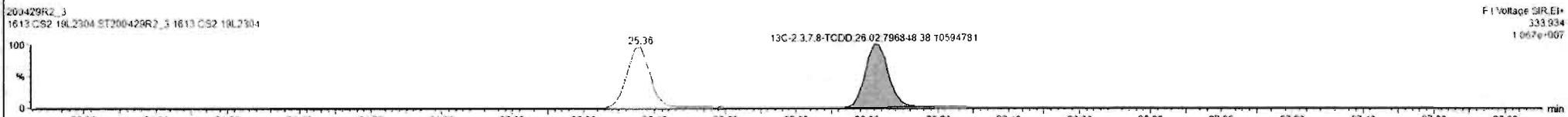
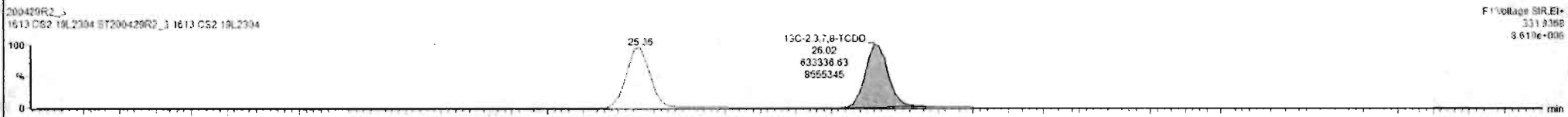
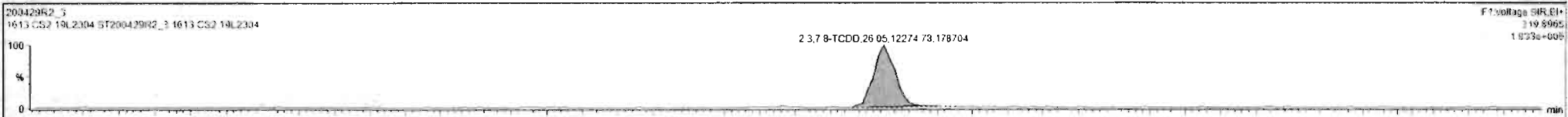


200429R2_3



200429R2_3 - ST200429R2_3 1613 CS2 19L2304 1613 CS2 19L2304

#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	2,3,7,8-TCDD	26.05	0.797	NO	2.7677e4	1.4302e6	2.900	2.1	5.35	0.947	0.0567
2	1,2,3,7,8-PeCDD	21.13	0.621	NO	9.9612e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.49	1.246	NO	8.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.515	0.0597
5	1,2,3,7,8,9-HxCDD	24.80	1.244	NO	8.1064e4	8.0356e5	10.000	6.3	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	26.36	1.081	NO	5.9094e4	6.3852e5	10.000	3.1	8.93	0.856	0.0632
7	OCDD	41.24	0.883	NO	1.0629e5	1.0963e6	20.000	5.8	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.8671e6	2.000	4.1	5.11	0.757	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.567	NO	1.5997e5	1.6425e6	10.000	7.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6102e5	1.6556e6	10.000	6.4	4.95	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.83	1.217	NO	9.5102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0686
12	1,2,3,6,7,8-HxCDF	33.78	1.209	NO	1.0898e5	1.1386e6	10.000	9.5	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0301e6	10.000	7.1	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7026e4	8.5676e5	10.000	4.9	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.95	0.958	NO	6.9491e4	7.6914e5	10.000	3.7	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.9417e4	4.7128e5	10.000	3.5	6.62	1.01	0.0670
17	OCDF	41.52	0.877	NO	1.6707e5	1.2711e6	20.000	5.0	7.16	0.802	0.0575



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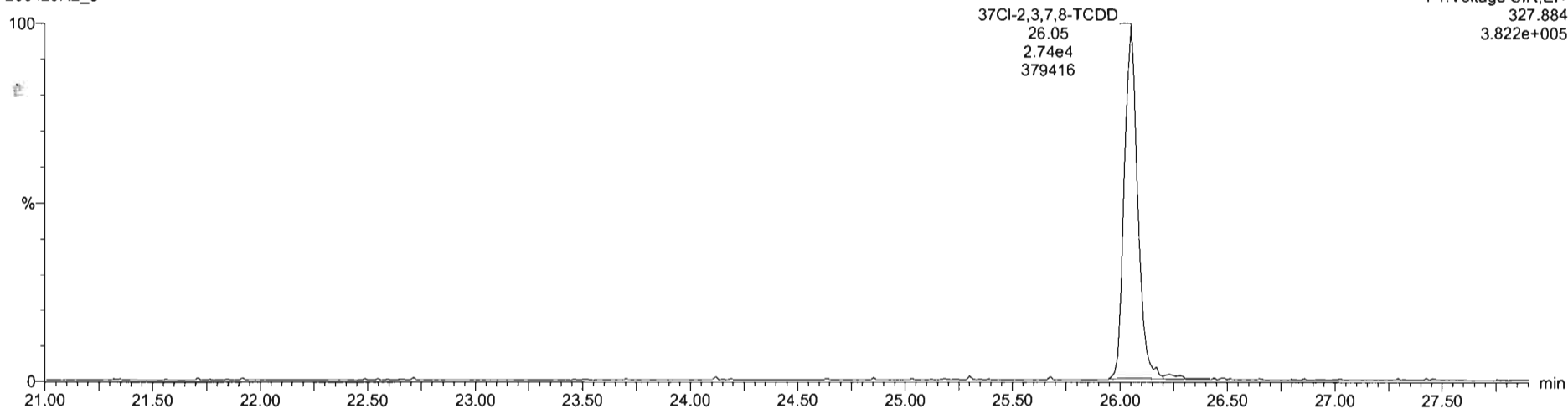
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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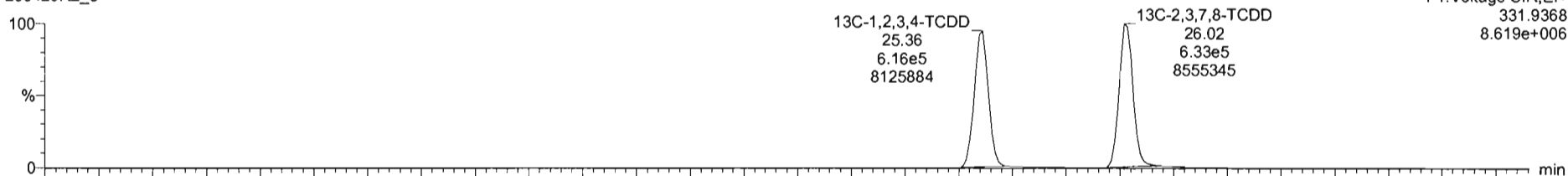
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200429R2_3

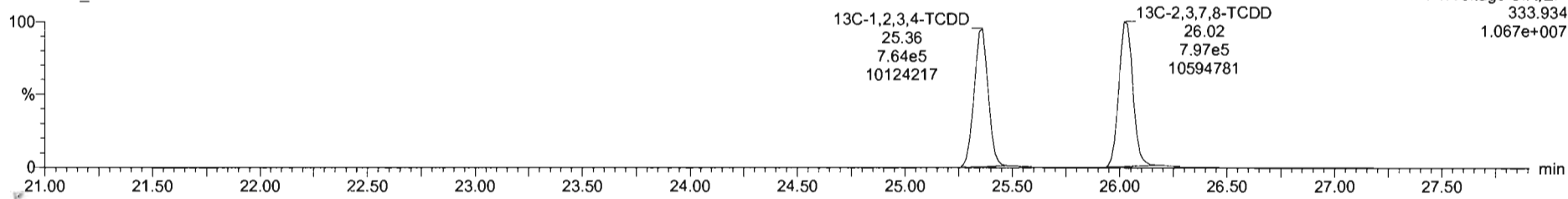


13C-1,2,3,4-TCDD

200429R2_3



200429R2_3



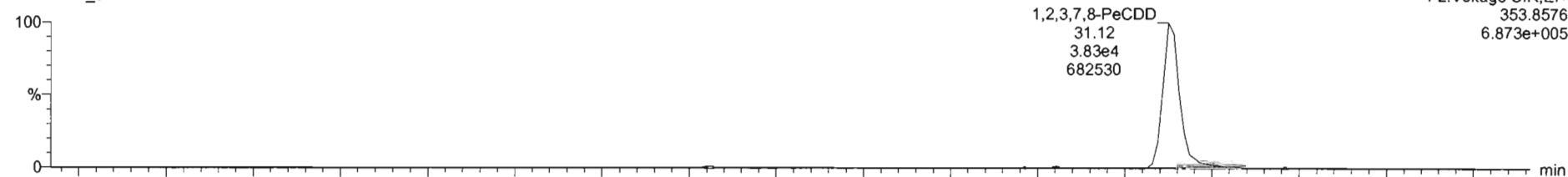
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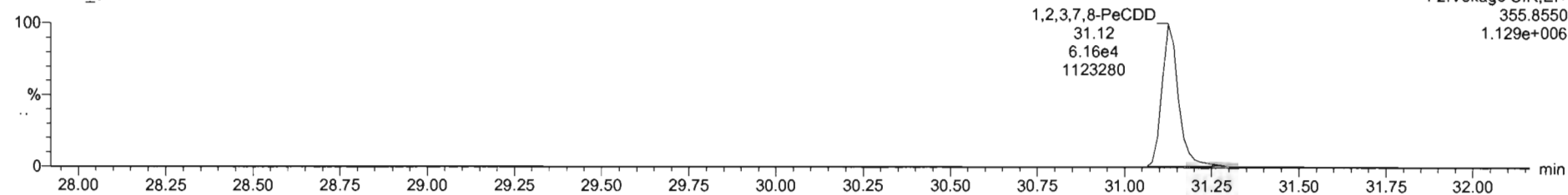
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1,2,3,7,8-PeCDD

200429R2_3

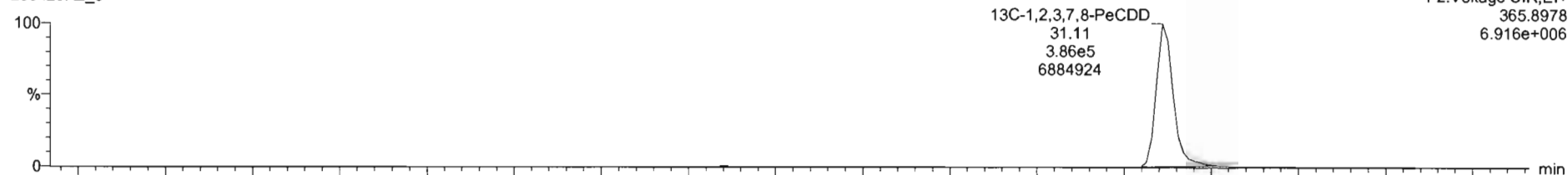


200429R2_3

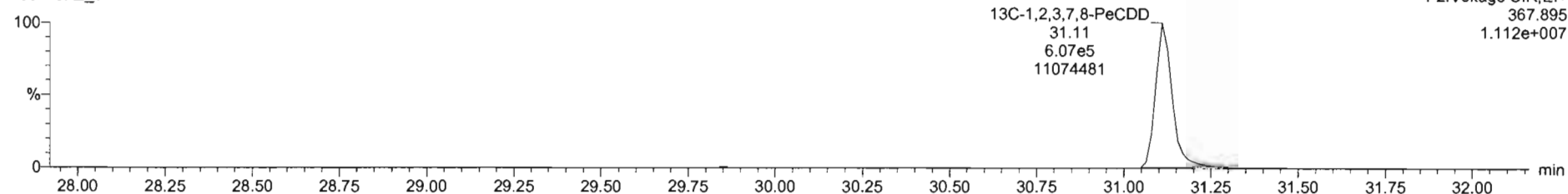


13C-1,2,3,7,8-PeCDD

200429R2_3



200429R2_3



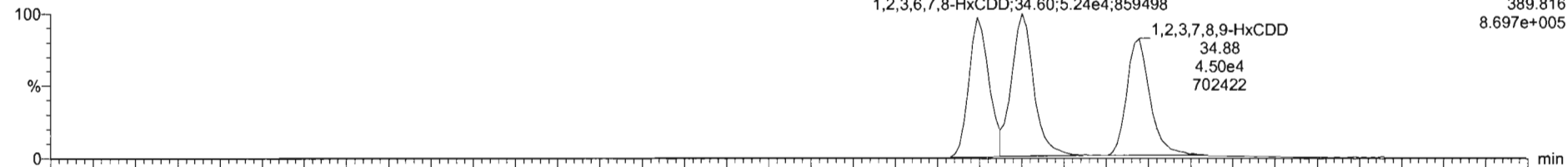
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

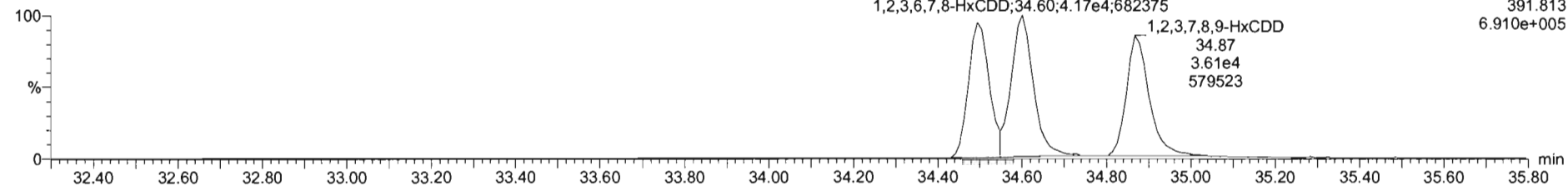
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1,2,3,4,7,8-HxCDD

200429R2_3

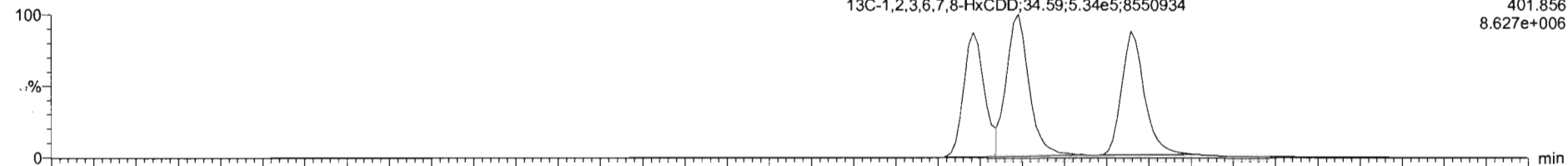


200429R2_3

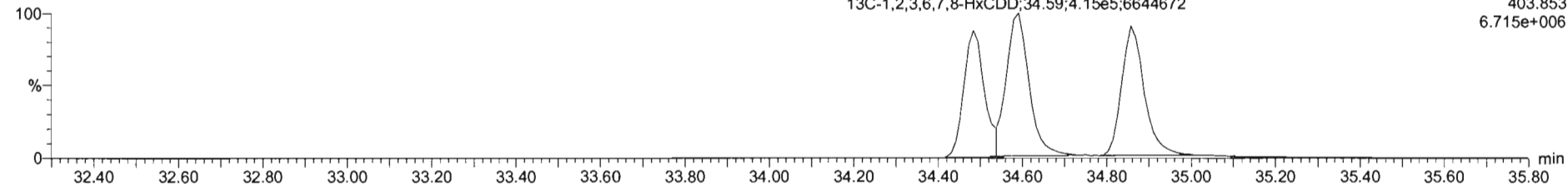


13C-1,2,3,4,7,8-HxCDD

200429R2_3



200429R2_3



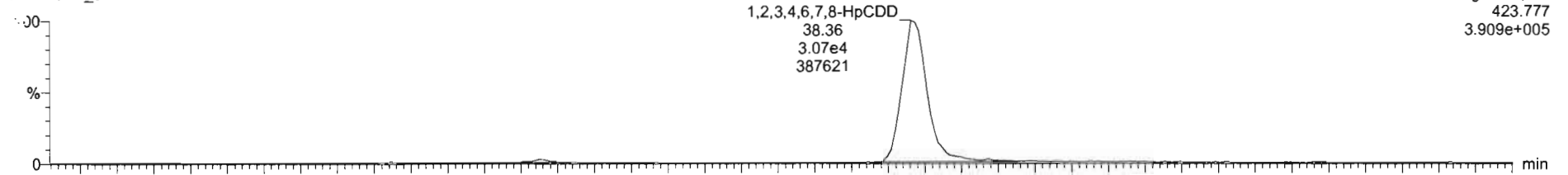
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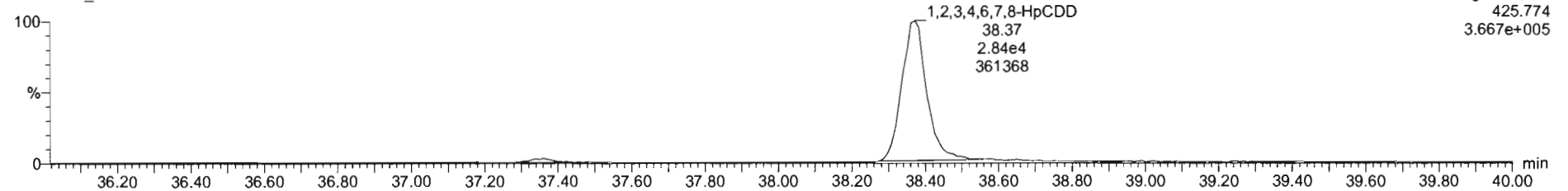
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1,2,3,4,6,7,8-HpCDD

200429R2_3

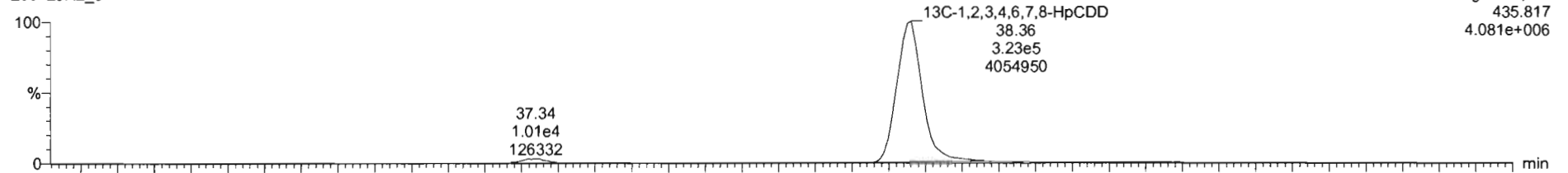


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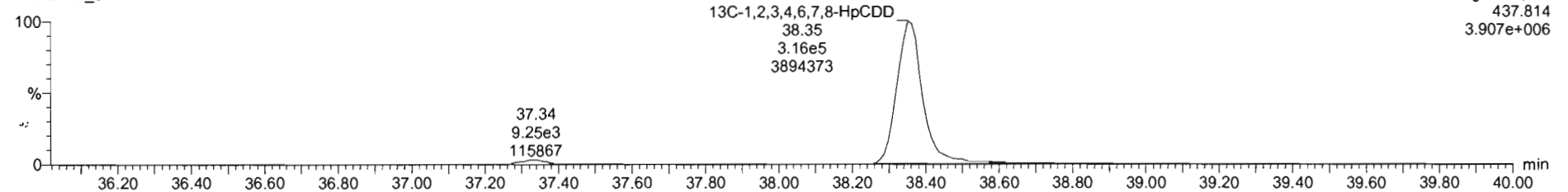


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200429R2_3



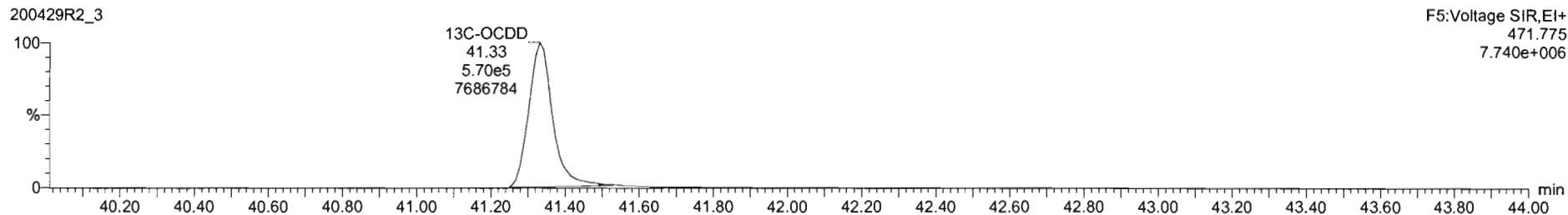
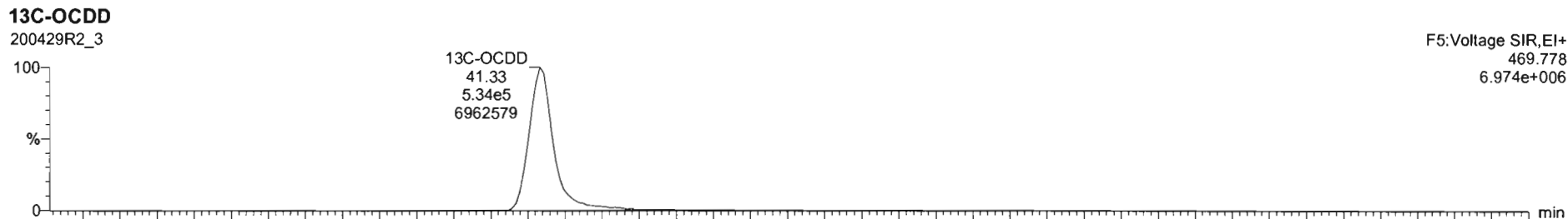
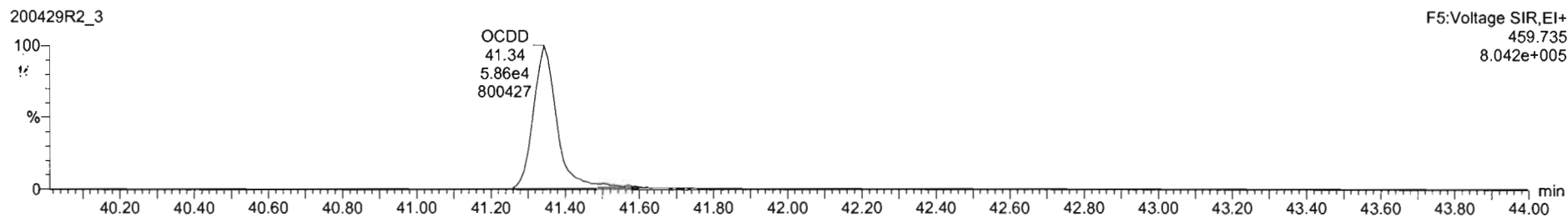
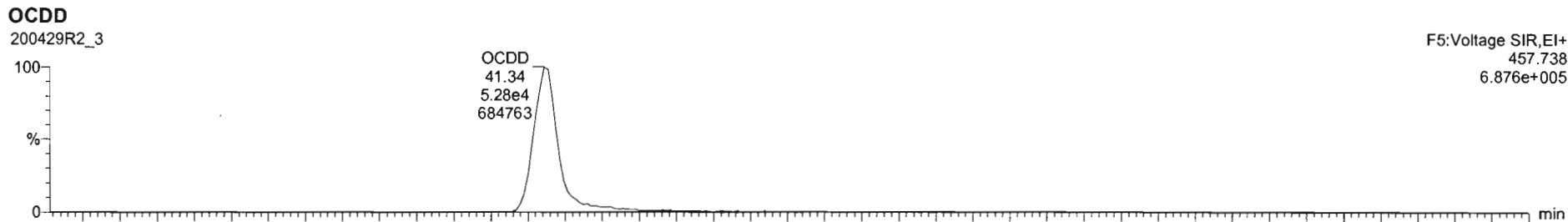
200429R2_3



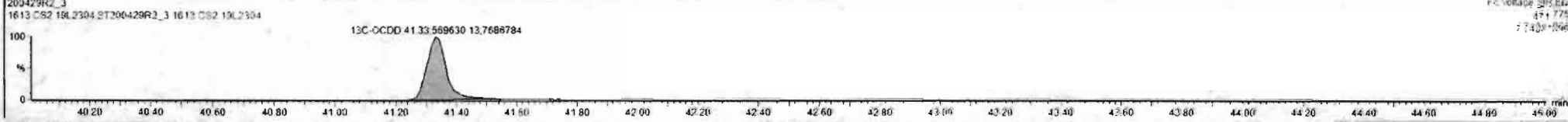
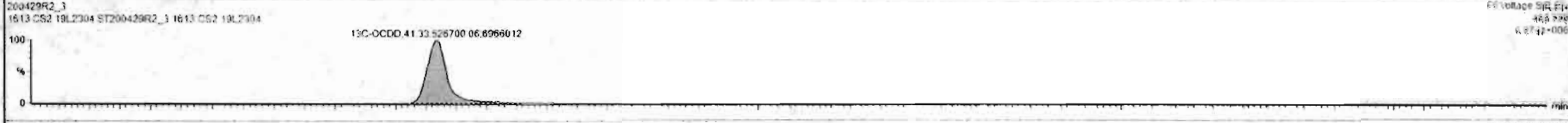
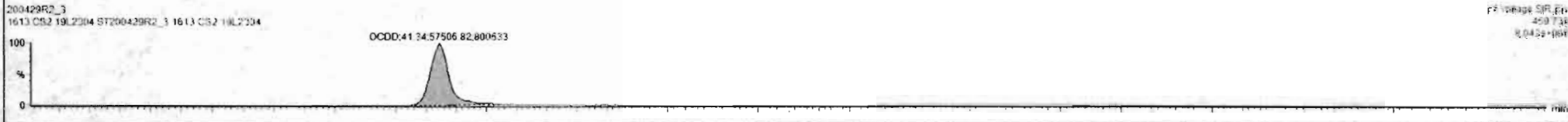
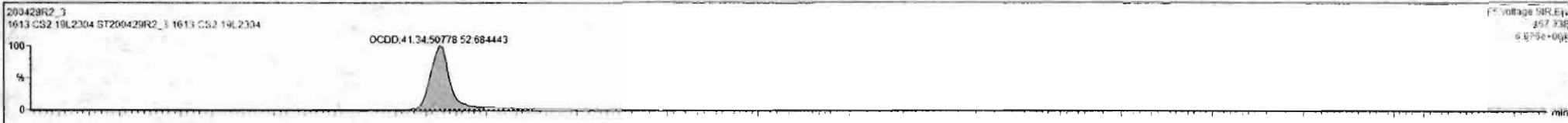
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Name: 200429R2_3, Date: 29-Apr-2020, Time: 15:02:24, ID: ST200429R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	2,3,7,8-TCDD	26.05	0.797	NO	2.7677e4	1.4302e6	2.000	2.1	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.621	NO	9.9912e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.49	1.246	NO	3.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.82	1.244	NO	8.1084e4	8.2359e5	10.000	6.3	7.64	0.915	0.0690
6	1,2,3,4,6,7,8-HpCDD	38.36	1.001	NO	5.9094e4	6.5852e5	10.000	3.1	6.93	0.856	0.0622
7	OCDD	41.34	0.863	NO	1.0629e5	1.0663e6	20.000	8.6	7.57	0.830	0.0767
8	2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.0671e6	2.000	4.1	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.067	NO	1.5997e5	1.6425e6	10.000	7.0	5.06	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6102e5	1.5656e6	10.000	6.4	4.98	0.906	0.0481
11	1,2,3,4,7,8-HxCDF	32.83	1.217	NO	9.1102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.200	NO	1.0896e5	1.1366e6	10.000	9.5	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0201e6	10.000	7.1	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7636e4	8.5876e5	10.000	4.9	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.90	0.950	NO	6.9491e4	7.6914e5	10.000	3.7	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.8417e4	4.7188e5	10.000	3.5	6.62	1.01	0.0670
17	OCDF	41.52	0.877	NO	1.0707e5	1.2711e6	20.000	5.0	7.16	0.862	0.0575



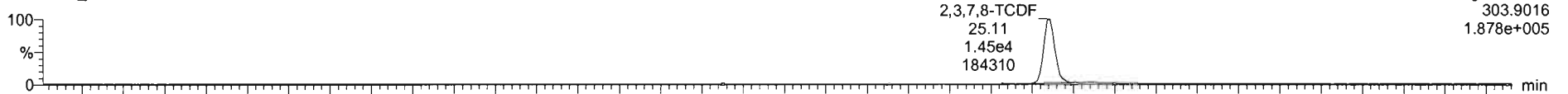
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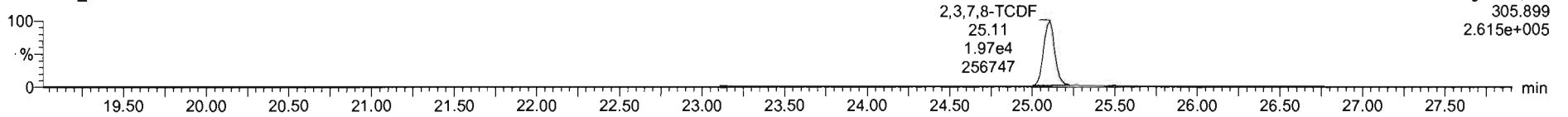
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2,3,7,8-TCDF

200429R2_3

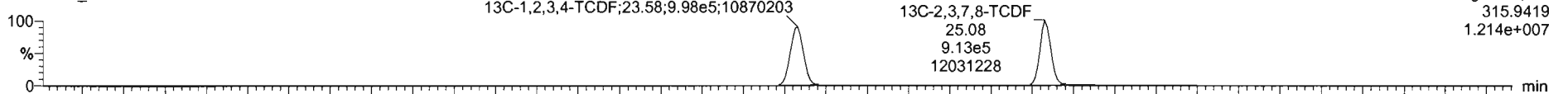


200429R2_3

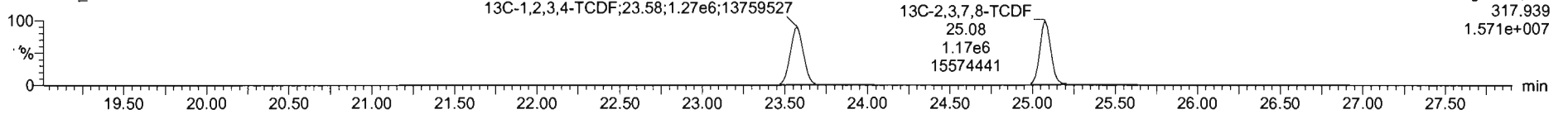


13C-2,3,7,8-TCDF

200429R2_3

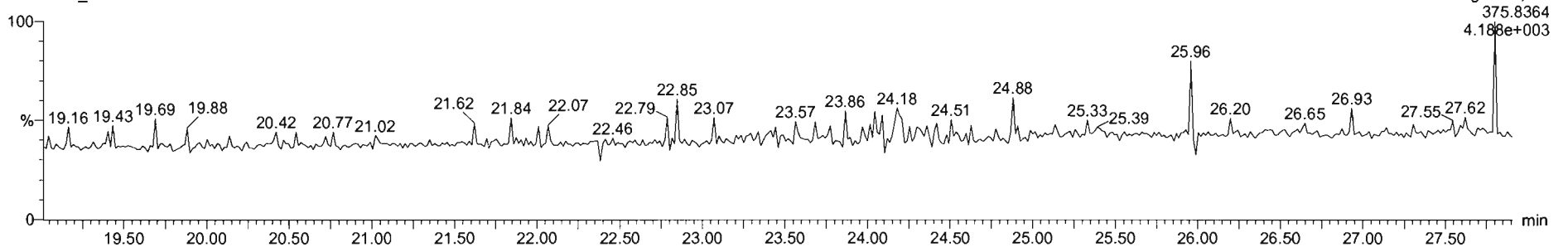


200429R2_3



DPE1

200429R2_3



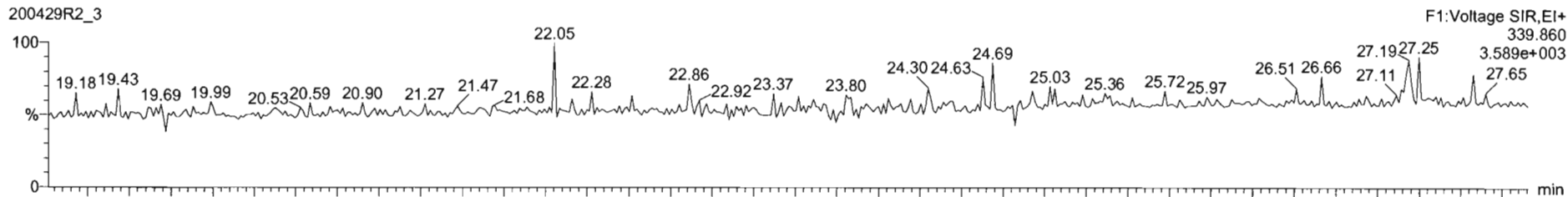
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

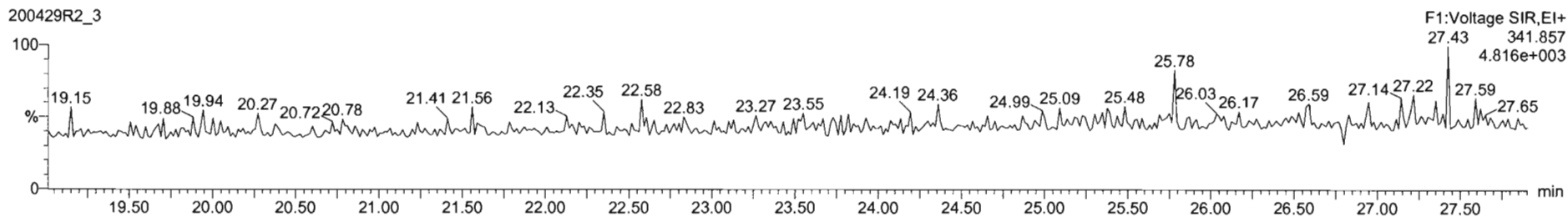
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200429R2_3

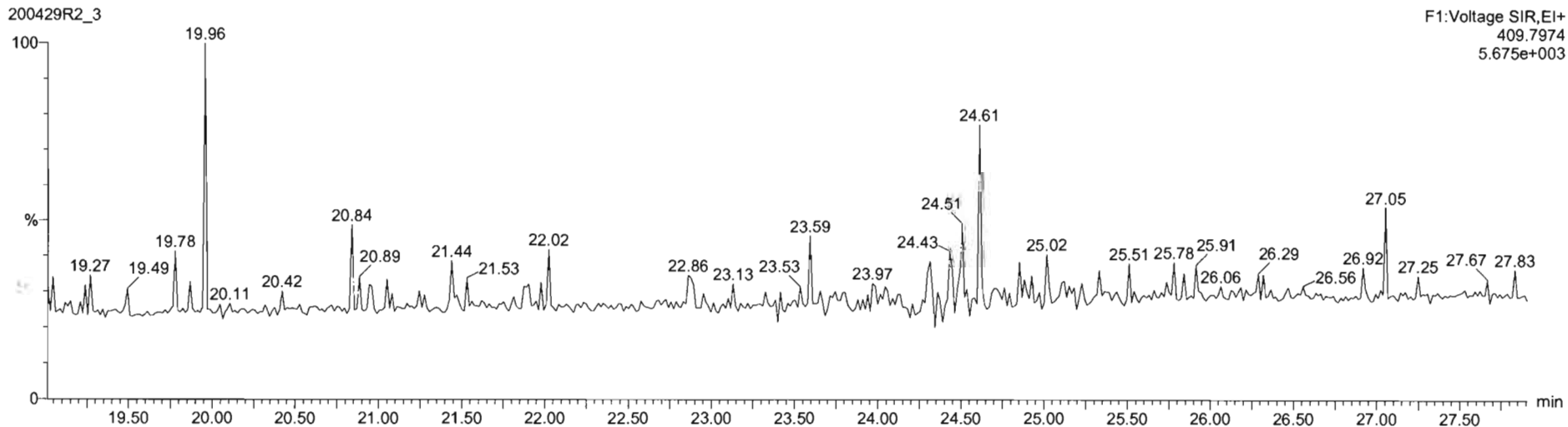


200429R2_3



DPE6

200429R2_3



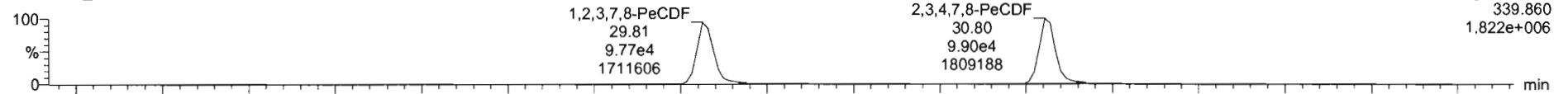
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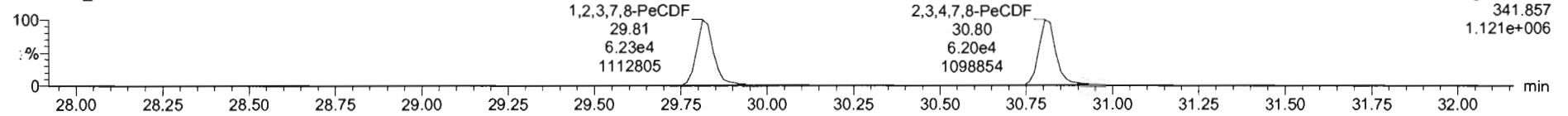
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1,2,3,7,8-PeCDF

200429R2_3

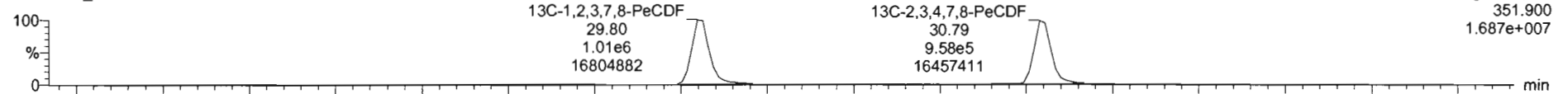


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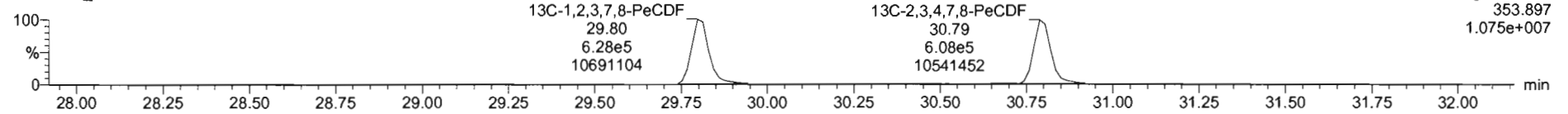


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200429R2_3

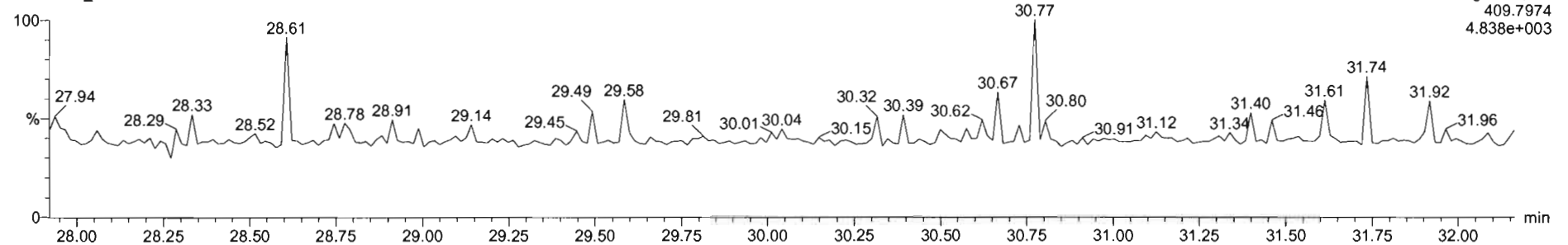


200429R2_3



DPE2

200429R2_3



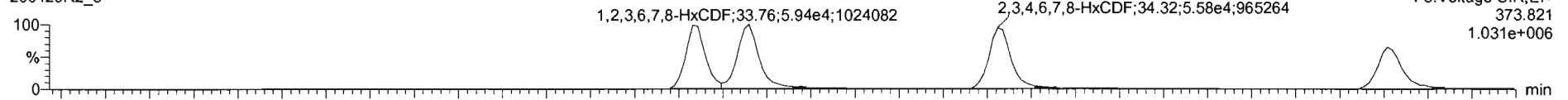
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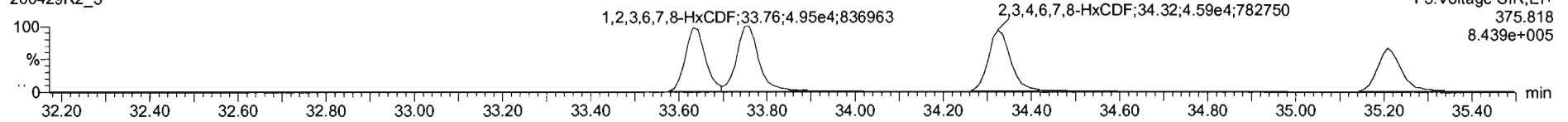
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1,2,3,4,7,8-HxCDF

200429R2_3

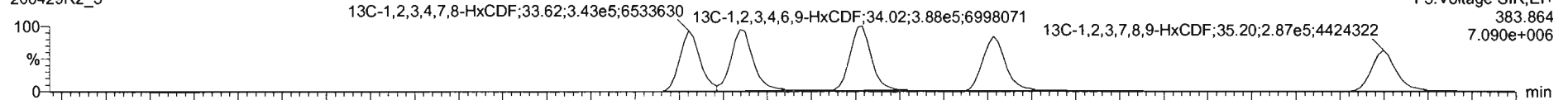


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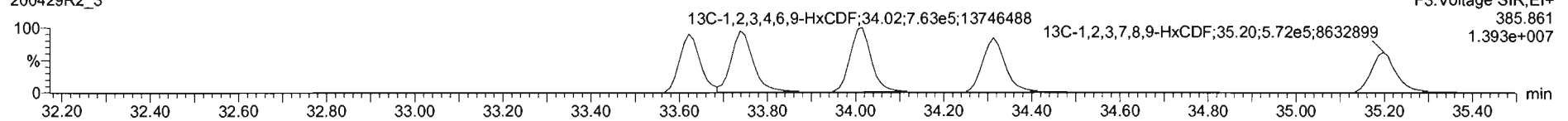


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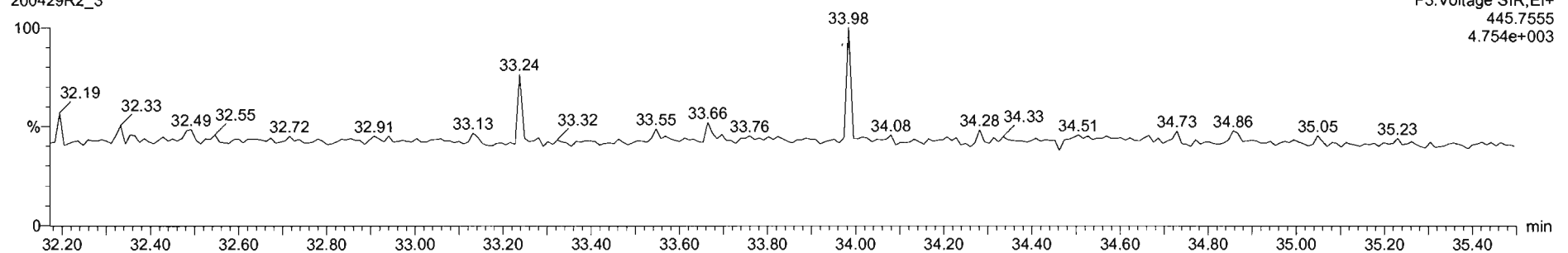


200429R2_3



DPE3

200429R2_3



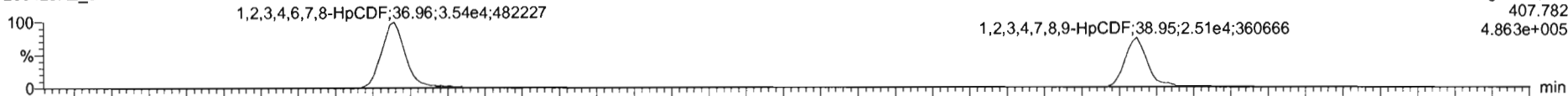
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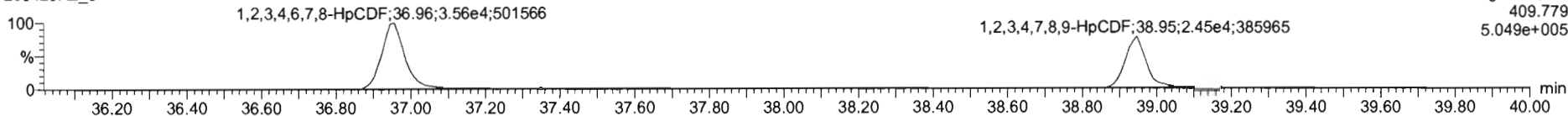
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1,2,3,4,6,7,8-HpCDF

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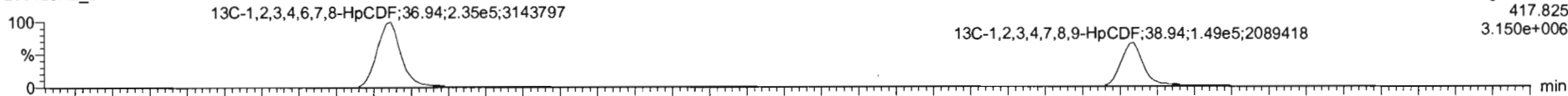


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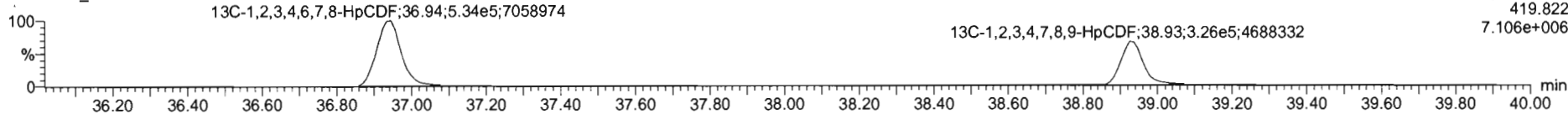


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200429R2_3

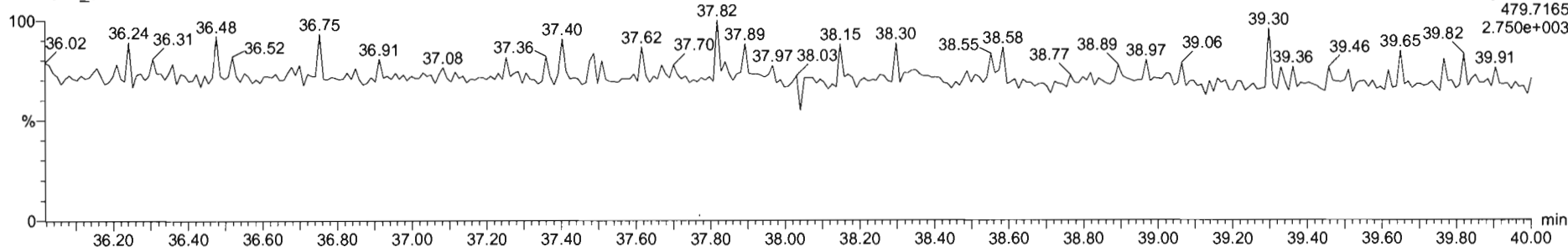


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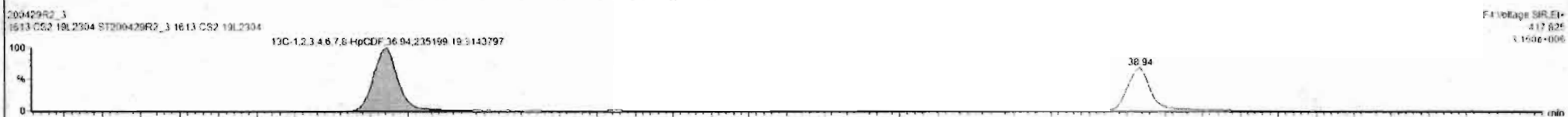
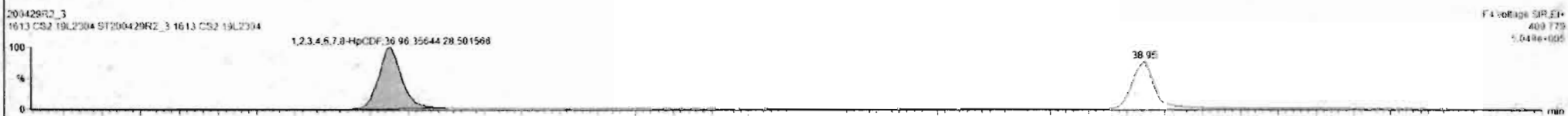
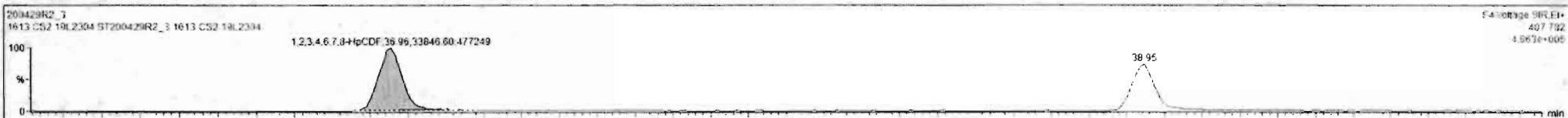


DPE4

200429R2_3



#	1	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF N	RRF SD
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2	2	1,2,3,7,8-PeCDD	31.13	0.621	NO	9.9612e4	9.9250e5	10.000	6.8	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.49	1.248	NO	3.2429e4	7.5171e5	10.000	3.1	6.62	1.06	0.0794
4	4	1,2,3,6,7,8-HxCDD	34.80	1.257	NO	9.4154e4	9.4942e5	10.000	8.4	6.53	0.915	0.0597
5	5	1,2,3,7,8,9-HxCDD	34.82	1.244	NO	8.1084e4	8.3359e5	10.000	6.3	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	38.36	1.051	NO	5.9094e4	6.3652e5	10.000	3.1	6.93	0.856	0.0622
7	7	OCDD	41.34	0.853	NO	1.0629e5	1.0963e6	20.000	5.8	7.57	0.933	0.0707
8	8	1,2,3,7,8-TCDF	25.11	0.737	NO	3.4210e4	2.0671e6	2.000	4.1	5.11	0.767	0.0402
9	9	1,2,3,7,8-PeCDF	29.81	1.527	NO	1.5997e5	1.8425e6	10.000	7.0	5.86	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.595	NO	1.6103e5	1.5556e6	10.000	6.4	4.98	0.966	0.0481
11	11	1,2,3,4,7,8-HxCDF	33.63	1.217	NO	9.5102e4	1.0175e6	10.000	6.4	7.59	0.878	0.0666
12	12	1,2,3,6,7,8-HxCDF	33.78	1.209	NO	1.0898e5	1.1386e6	10.000	9.5	7.23	0.874	0.0632
13	13	1,2,3,4,6,7,8-HxCDF	34.32	1.217	NO	1.0168e5	1.0301e6	10.000	7.1	7.69	0.922	0.0786
14	14	1,2,3,7,8,9-HxCDF	35.21	1.223	NO	7.7636e4	8.5276e5	10.000	4.9	5.96	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	38.95	0.850	NO	6.9491e4	7.6014e5	10.000	3.7	7.54	0.871	0.0652
16	16	1,2,3,4,7,8,9-HpCDF	38.95	1.014	NO	4.3417e4	4.7188e5	10.000	3.5	6.62	1.01	0.0670
17	17	OCDF	41.52	0.877	NO	1.0707e5	1.2711e6	20.000	5.0	7.16	0.602	0.0575

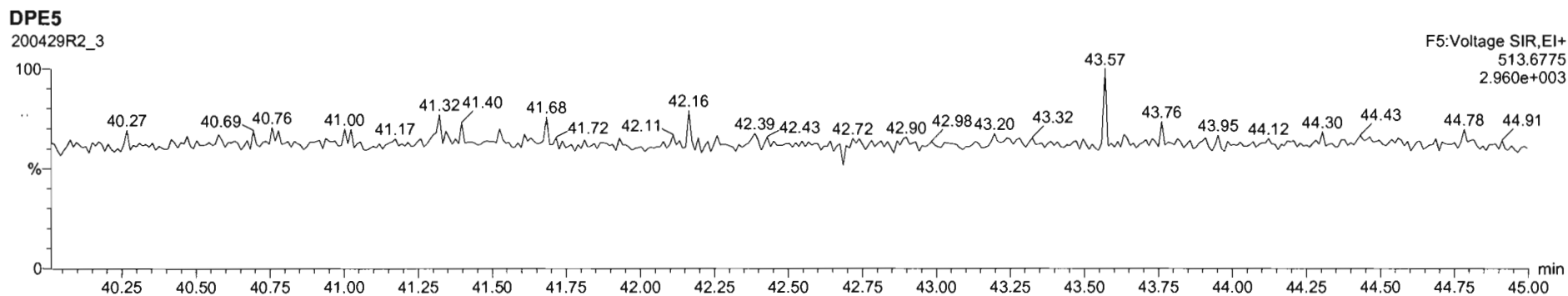
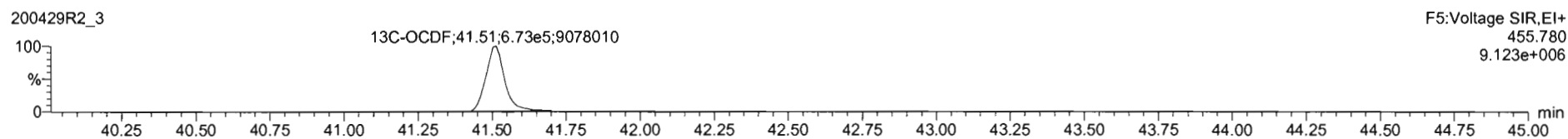
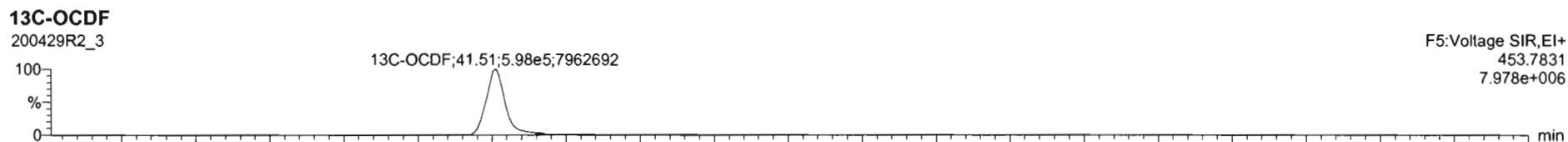
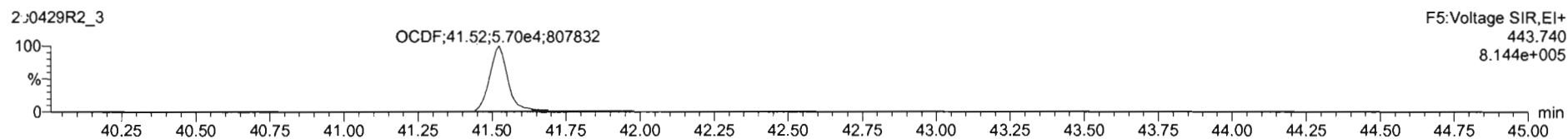
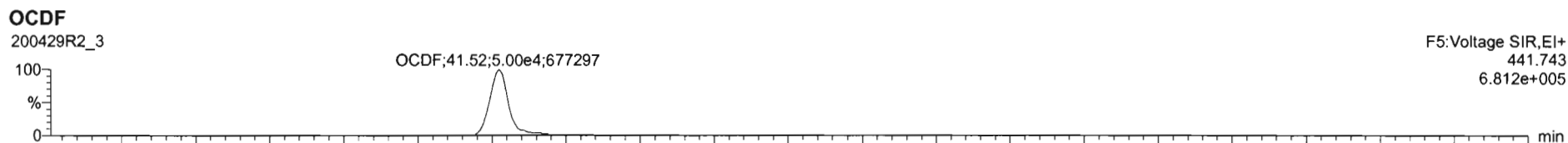


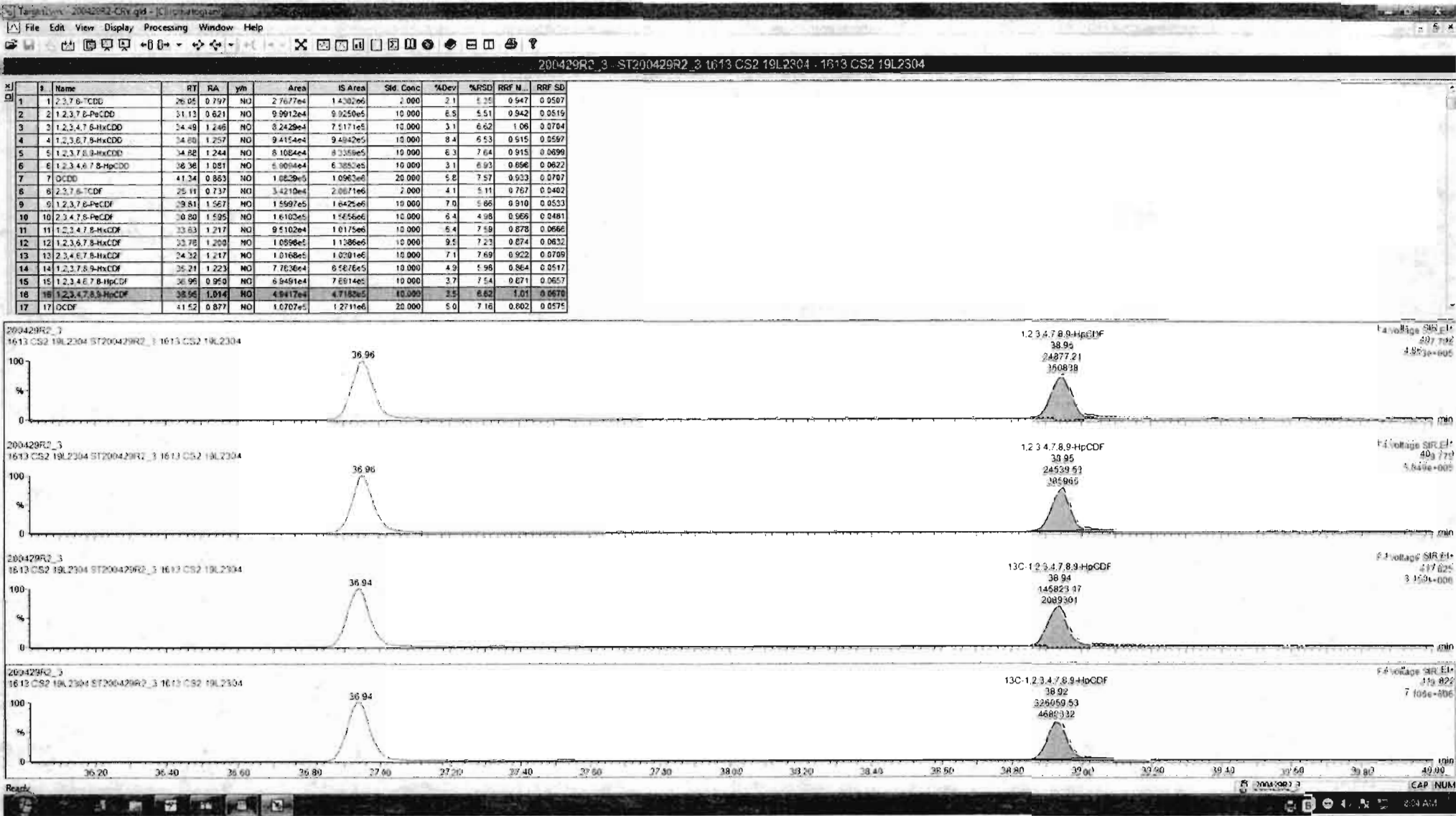
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

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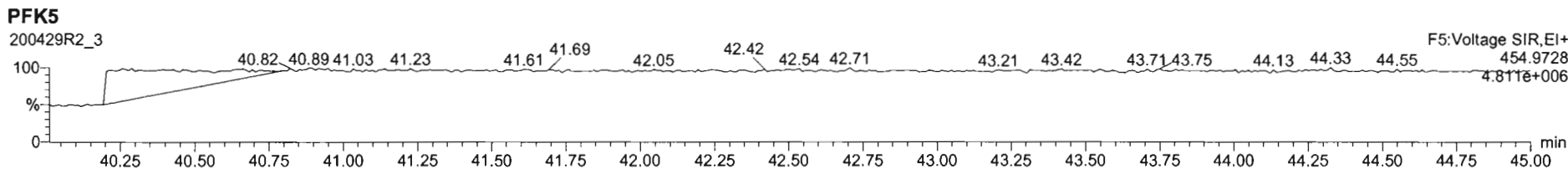
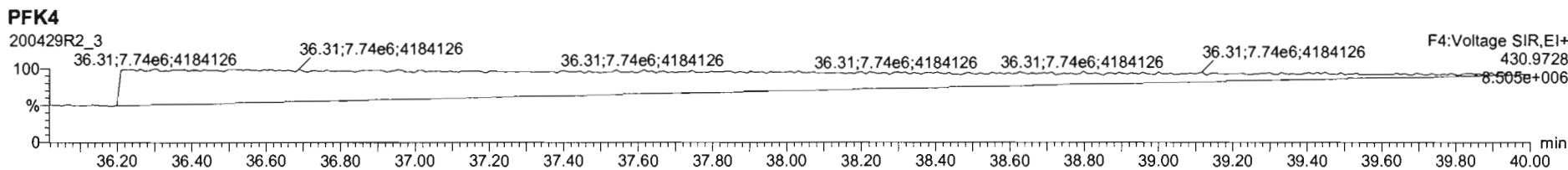
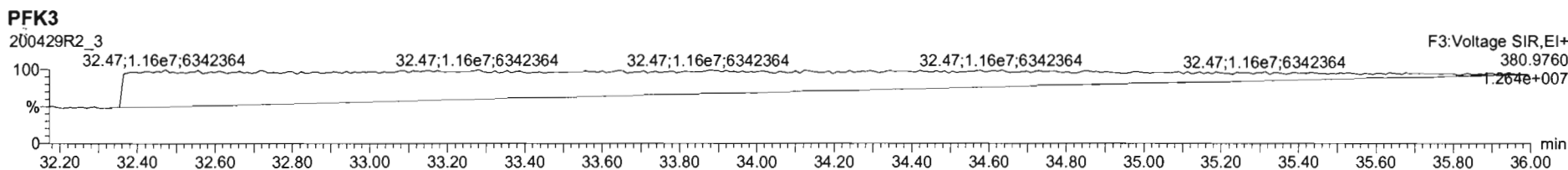
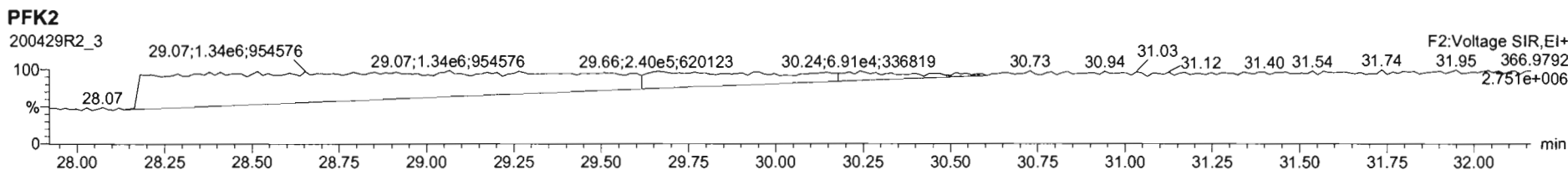
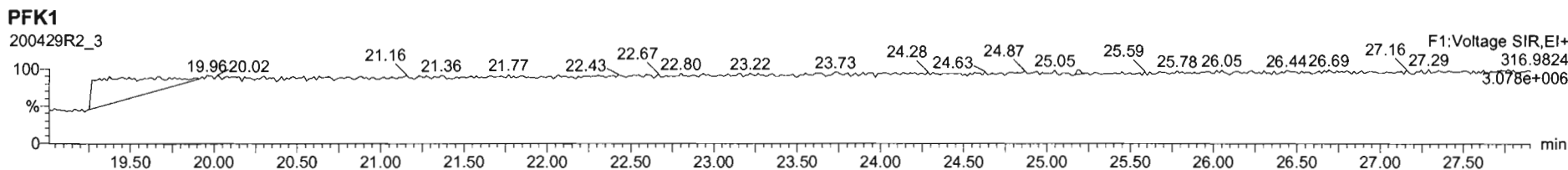




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Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_3, Date: 29-Apr-2020, Time: 15:02:24, ID: ST200429R2_3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

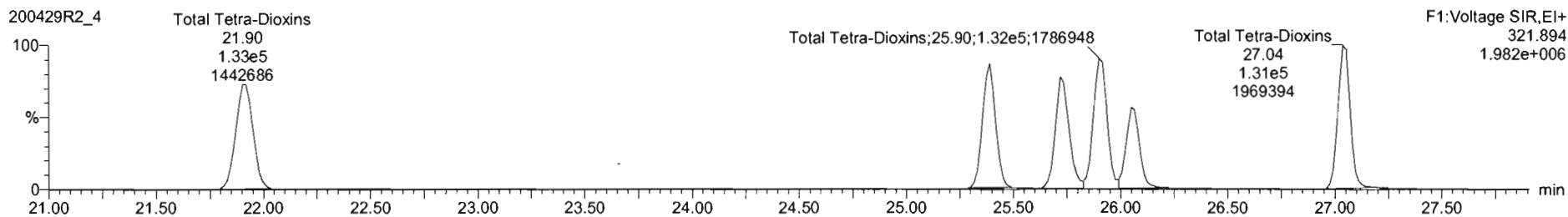
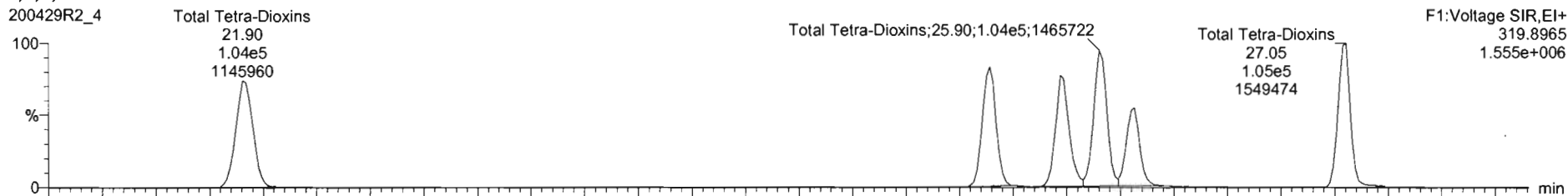


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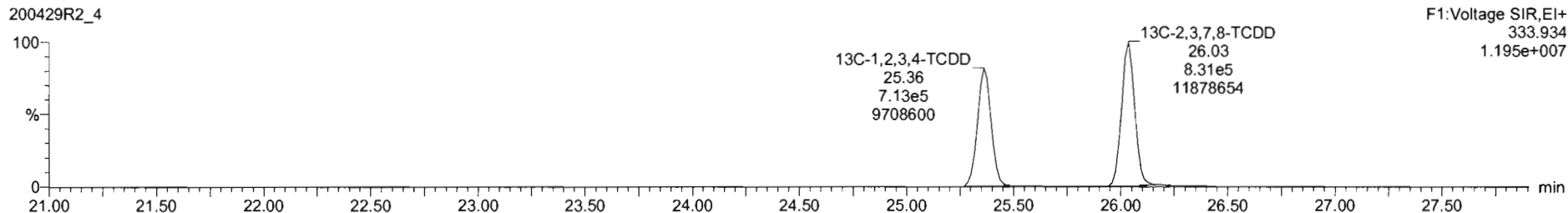
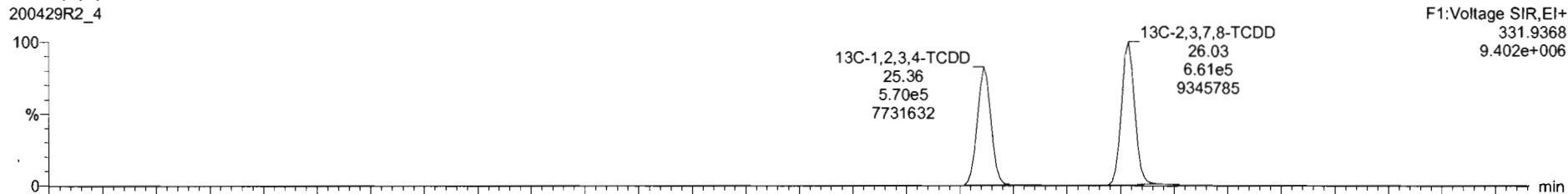
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD



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



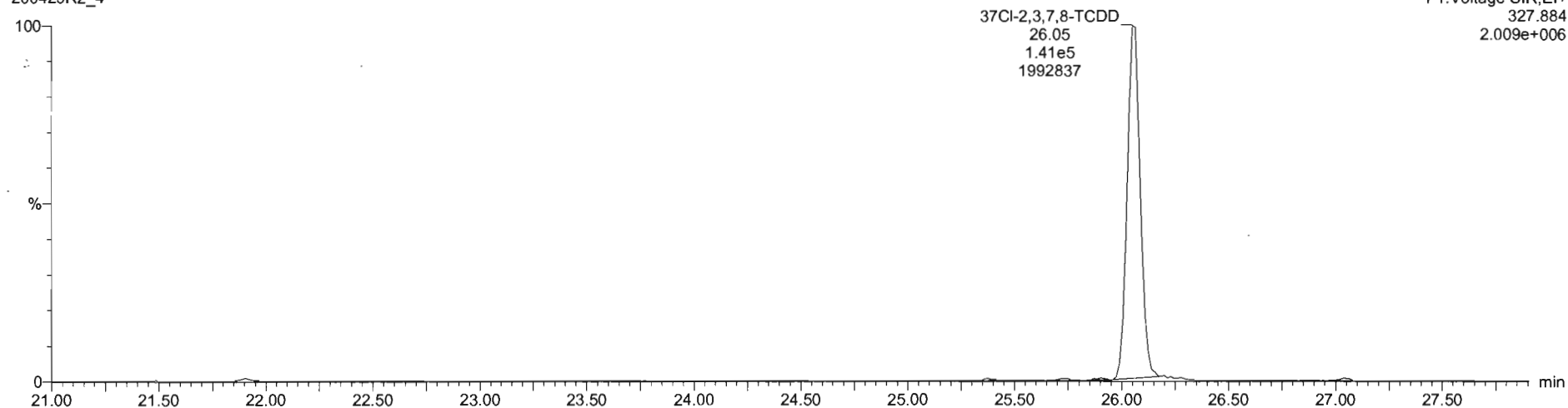
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Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

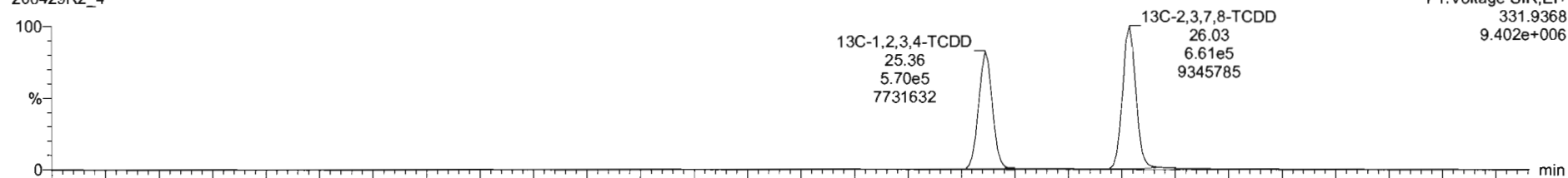
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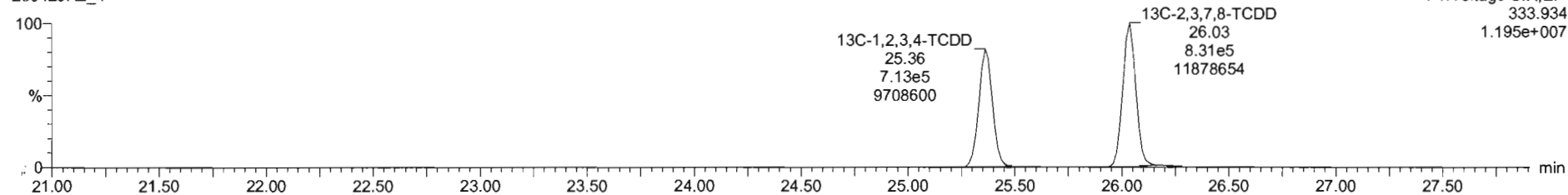


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200429R2_4



200429R2_4



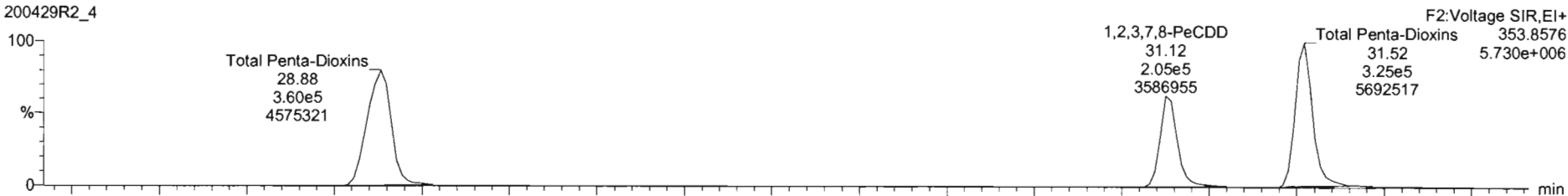
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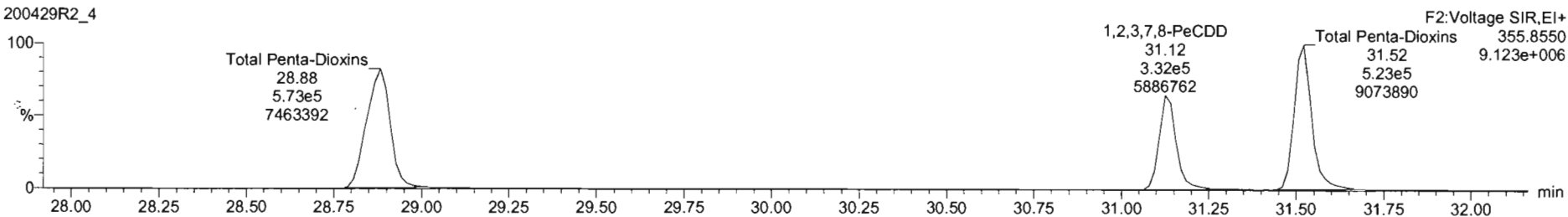
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1,2,3,7,8-PeCDD

200429R2_4

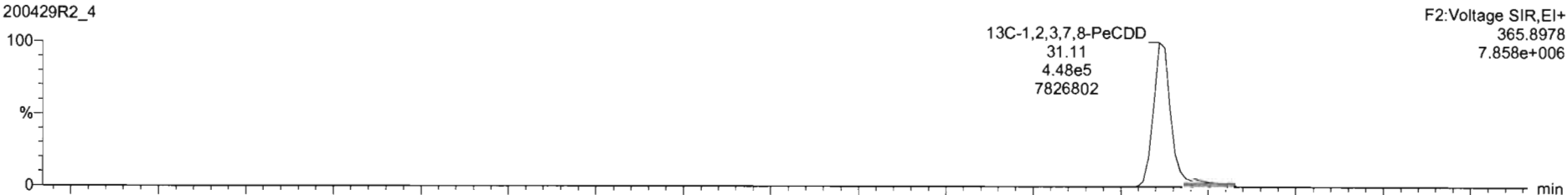


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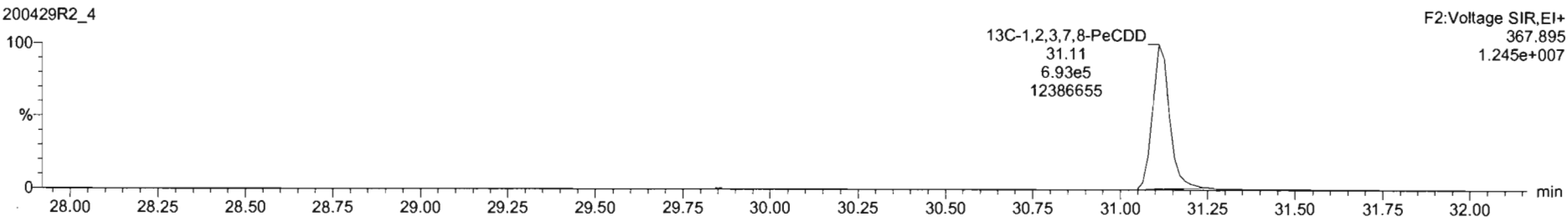


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200429R2_4



200429R2_4



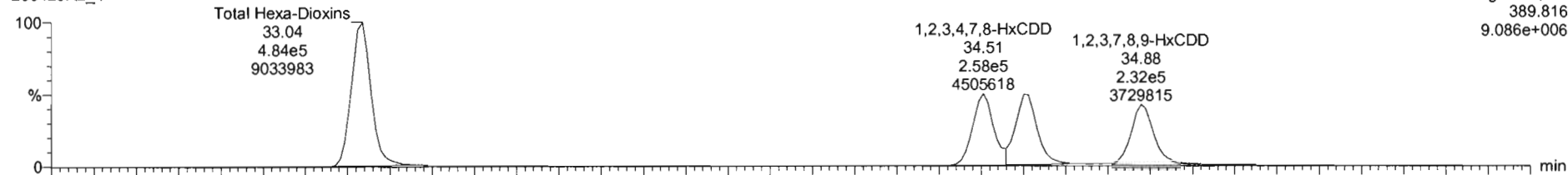
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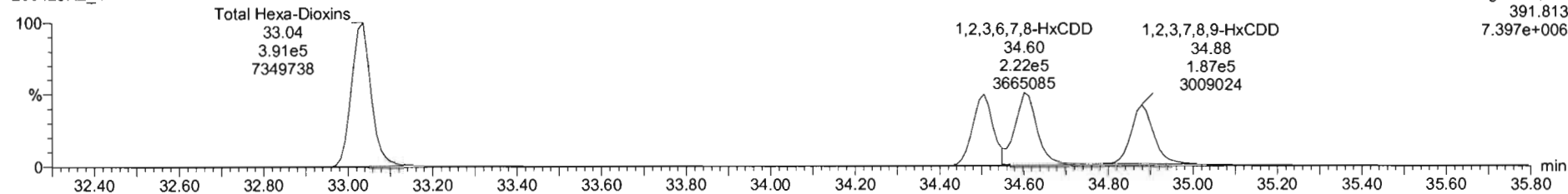
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1,2,3,4,7,8-HxCDD

200429R2_4

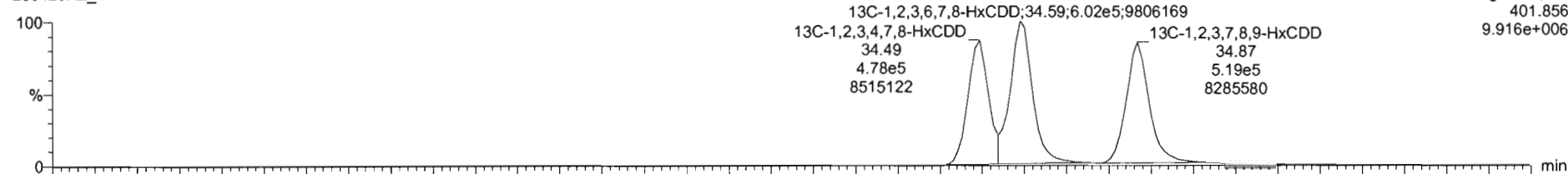


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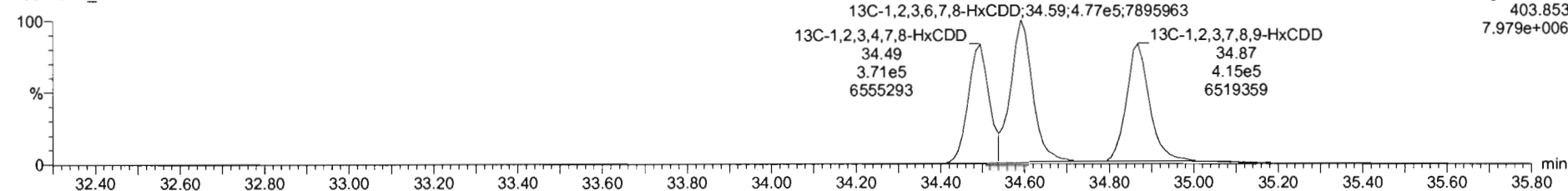


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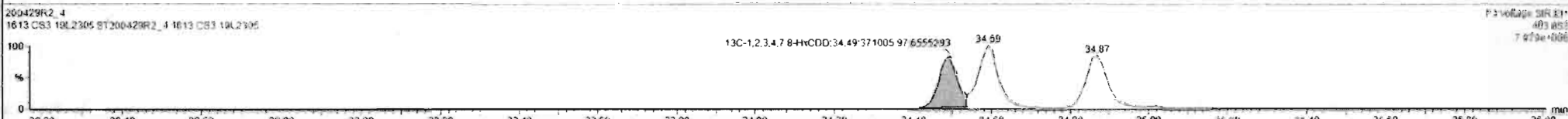
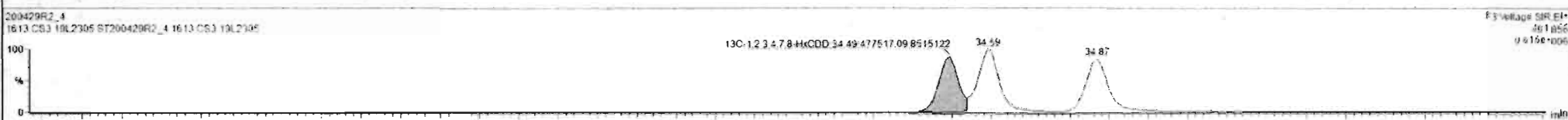
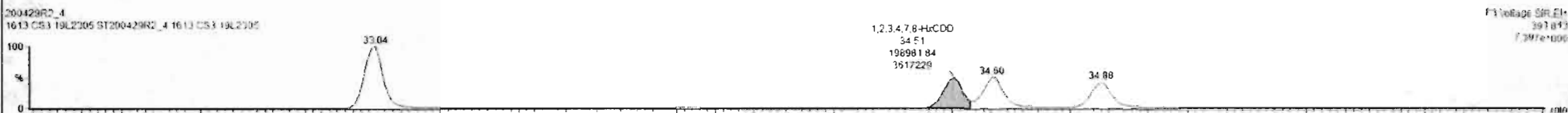
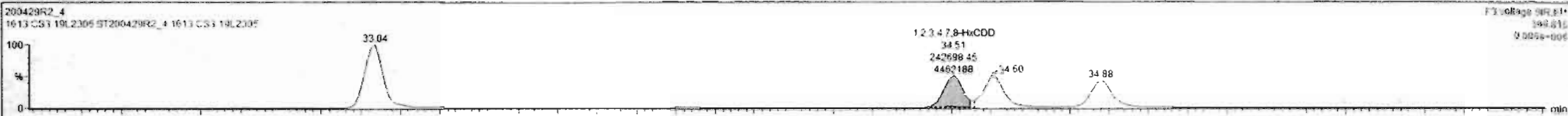
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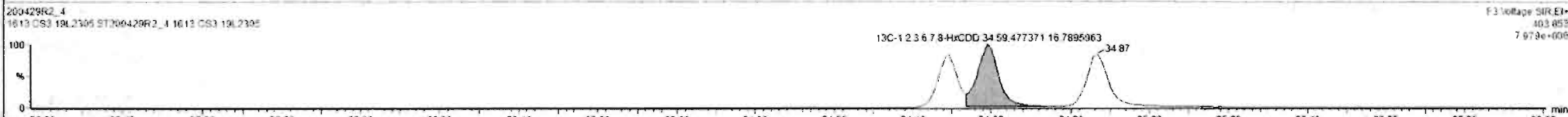
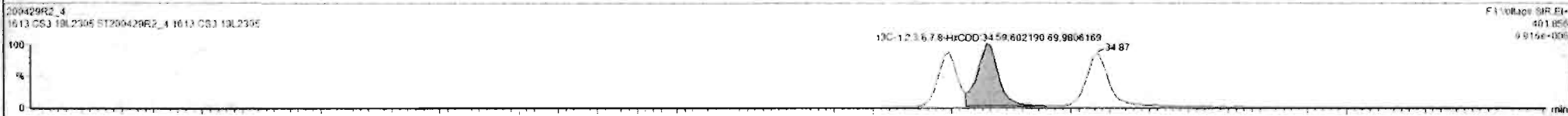
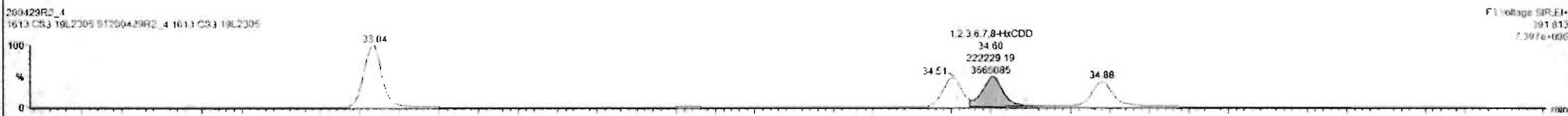
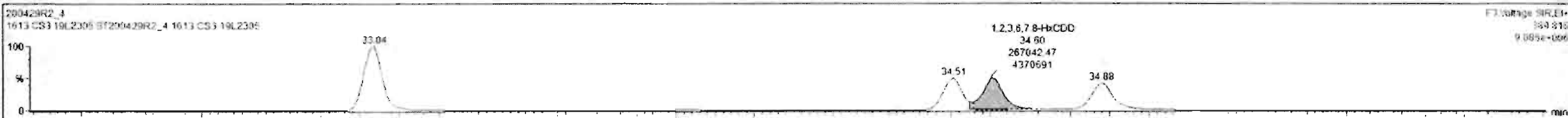
200429R2_4



#	s	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
1	1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.6	5.35	0.947	0.0407
2	2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.2679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.51	1.226	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	4	1,2,3,6,7,8-HxCDD	34.82	1.202	NO	4.8827e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0493
5	5	1,2,3,7,8,9-HxCDD	34.82	1.239	NO	4.1946e5	9.2381e5	50.000	-1.8	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	38.38	0.988	NO	3.0789e5	6.7896e5	50.000	1.0	6.93	0.696	0.0622
7	7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.5	7.57	0.939	0.0763
8	8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0462
9	9	1,2,3,7,8-PeCDF	29.81	1.589	NO	3.4585e5	1.6862e6	50.000	0.0	5.86	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.666	0.0481
11	11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5766e5	1.2611e6	50.000	1.2	7.23	0.874	0.0633
13	13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.68	0.902	0.0765
14	14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.98	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	16	1,2,3,4,7,8,9-HxCDF	38.96	0.998	NO	2.5972e5	5.1182e5	50.000	0.3	6.62	1.01	0.0679
17	17	OCDF	41.53	0.862	NO	5.3038e5	1.3196e6	100.000	1.3	7.16	0.863	0.0575



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4930e6	10.000	0.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3879e5	1.1411e6	50.000	0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8027e5	1.0736e6	50.000	-0.9	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	34.98	1.239	NO	4.1946e5	9.3381e5	50.000	-1.5	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	38.38	0.908	NO	3.0769e5	6.7896e5	50.000	1.0	6.93	0.856	0.0622
7	OCDD	41.25	0.879	NO	5.6237e5	1.1777e6	100.000	2.3	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1451e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	3.4585e5	1.6822e6	50.000	0.0	5.86	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.80	1.559	NO	8.7458e5	1.9179e6	50.000	-0.4	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	1,2,3,6,7,8-HxCDF	33.75	1.173	NO	5.5786e5	1.2811e6	50.000	1.2	7.23	0.674	0.0632
13	1,2,3,4,6,7,8-HpCDF	34.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7224e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0667
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1163e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3198e6	100.000	1.3	7.16	0.602	0.0575



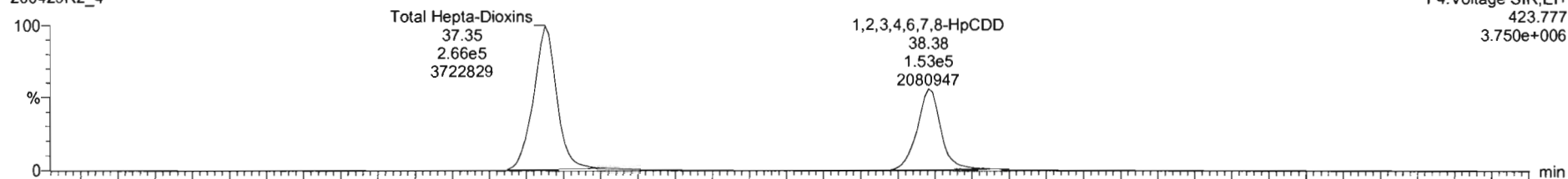
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Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time
Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

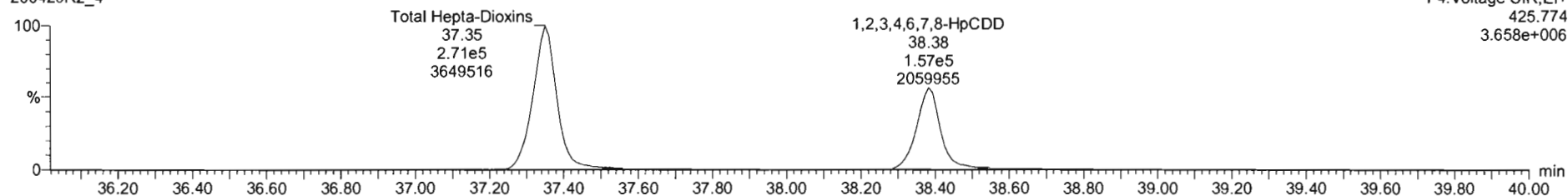
1,2,3,4,6,7,8-HpCDD

200429R2_4



F4: Voltage SIR, EI+
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3.750e+006

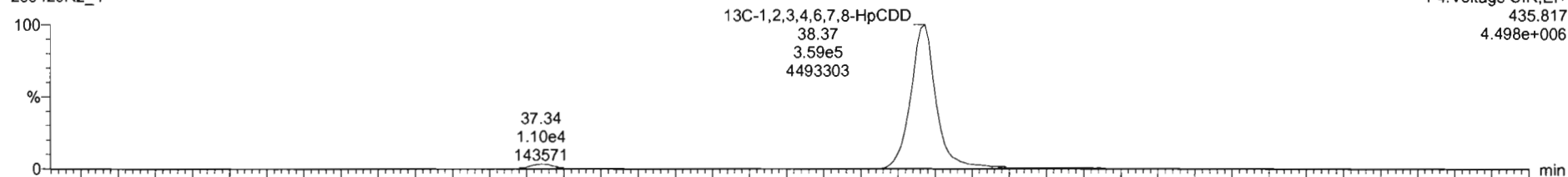
200429R2_4



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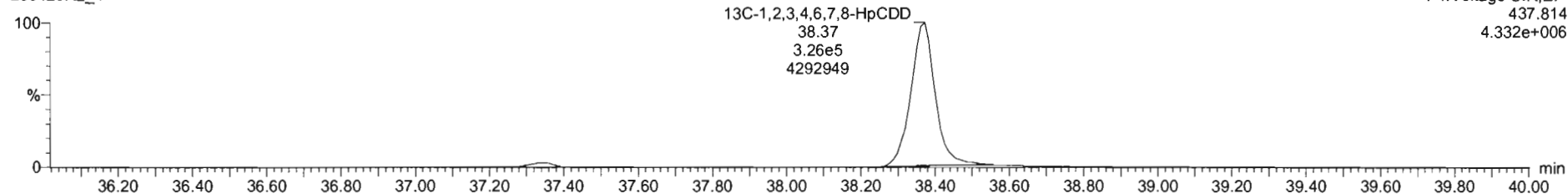
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200429R2_4



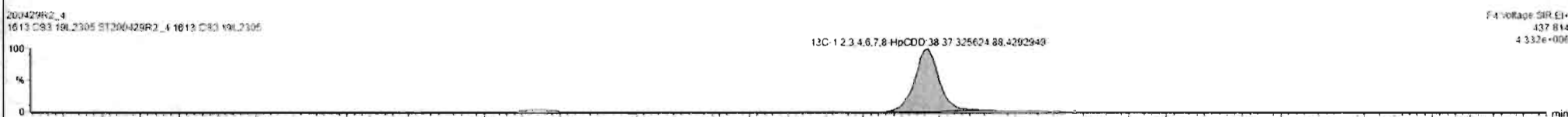
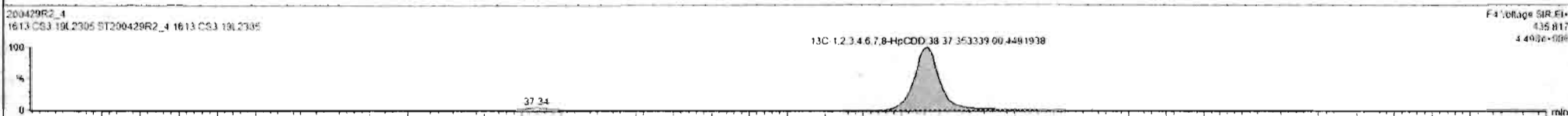
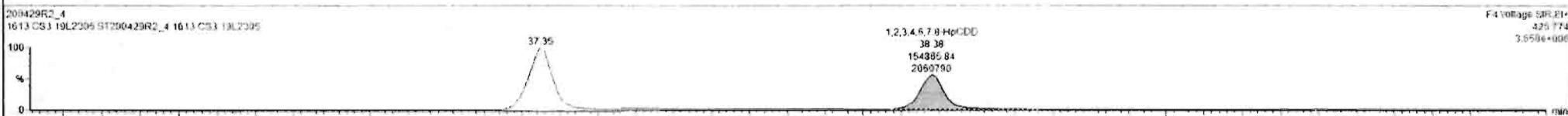
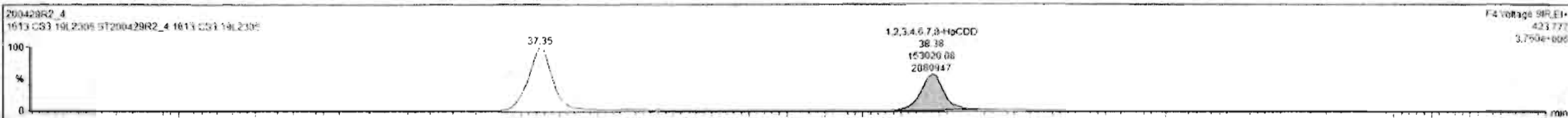
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200429R2_4



F4: Voltage SIR, EI+
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#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,6-TCDD	26.07	0.761	NO	1.4250e5	1.4200e6	10.000	0.6	5.25	0.947	0.0507
2	1,2,3,7,8-PeCDD	21.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.51	1.229	NO	4.4168e5	8.4852e5	50.000	2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.00	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.98	1.219	NO	4.1946e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.36	0.968	NO	3.0769e5	6.7096e5	50.000	1.0	6.93	0.898	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.923	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4585e5	1.8662e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	29.00	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	33.76	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	24.33	1.170	NO	5.4197e5	1.1399e6	50.000	3.2	7.69	0.922	0.0765
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2834e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7224e5	8.6486e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	28.06	0.998	NO	2.6973e5	5.1185e5	50.000	0.3	6.62	1.01	0.0678
17	OCDF	41.53	0.862	NO	5.3639e5	1.3196e6	100.000	1.3	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

200429R2_4

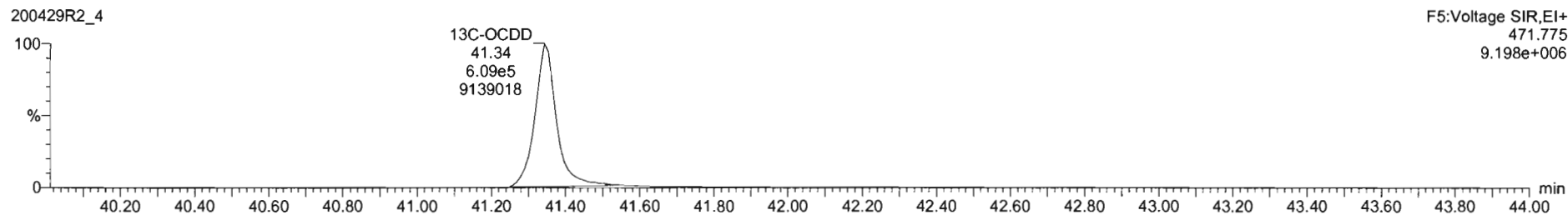
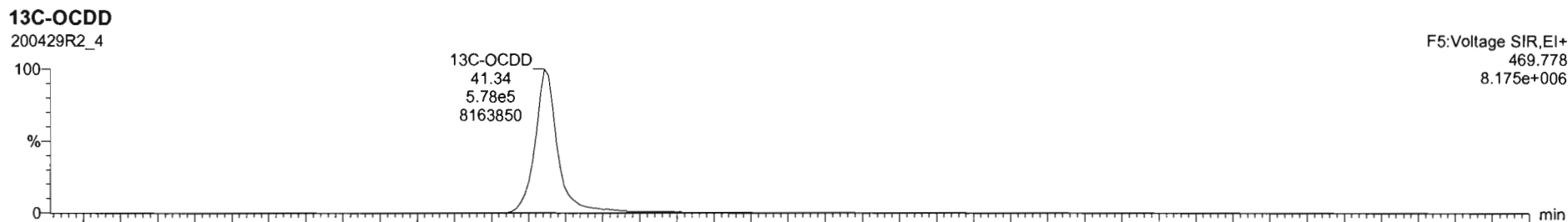
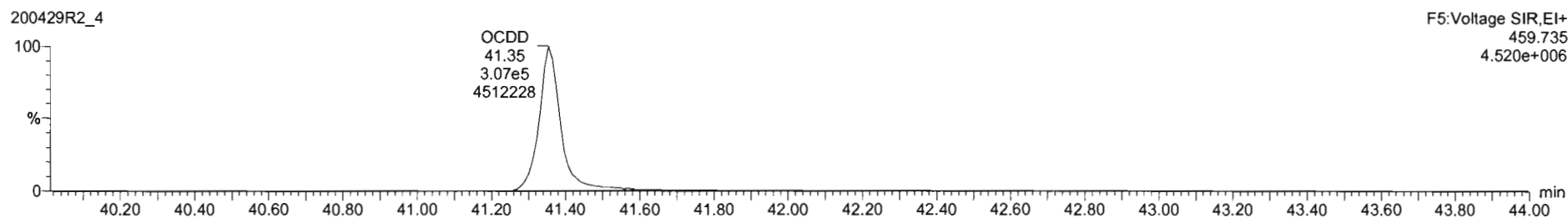
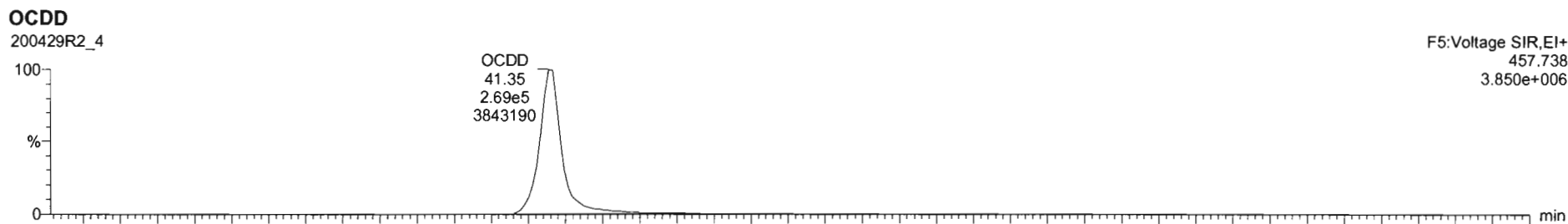
CAP NUM

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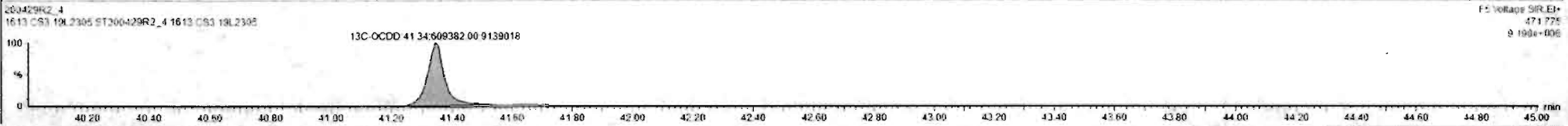
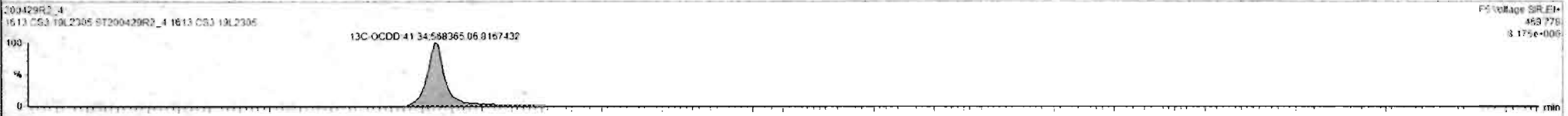
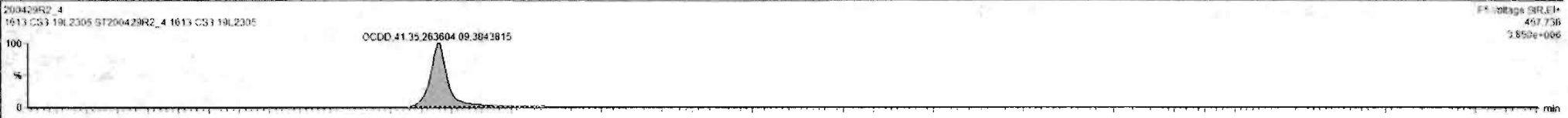
Last Altered: Thursday, April 30, 2020 7:55:03 AM Pacific Daylight Time

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Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305



#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	26.07	0.751	NO	1.4250e5	1.4920e5	10.000	0.8	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.80	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.239	NO	4.1546e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	36.36	0.908	NO	3.0769e5	6.7896e5	50.000	1.0	6.93	0.656	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.833	0.0261
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e6	10.000	-2.4	5.11	0.757	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	3.4585e5	1.8722e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.96	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.76	1.173	NO	5.5706e5	1.2811e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1299e6	50.000	3.2	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1183e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3196e6	100.000	1.3	7.16	0.802	0.0575



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200429R2_4

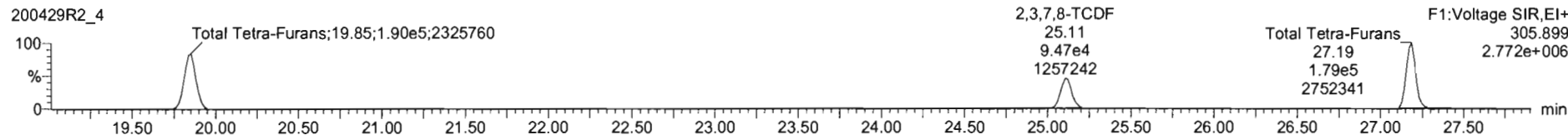
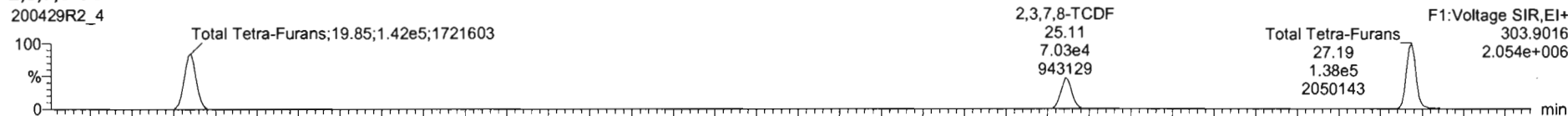
CAP NUM

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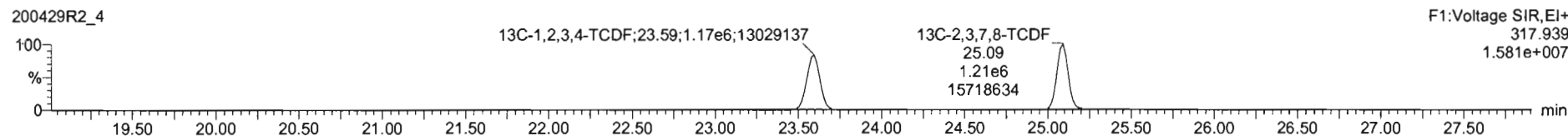
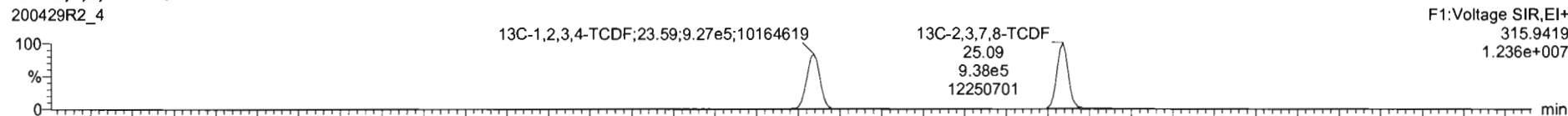
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Name: 200429R2_4, Date: 29-Apr-2020, Time: 15:48:39, ID: ST200429R2_4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

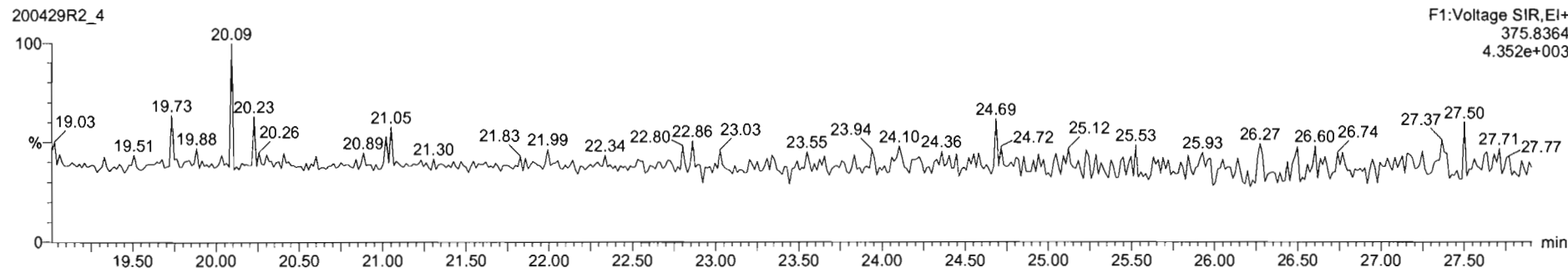
2,3,7,8-TCDF



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



DPE1



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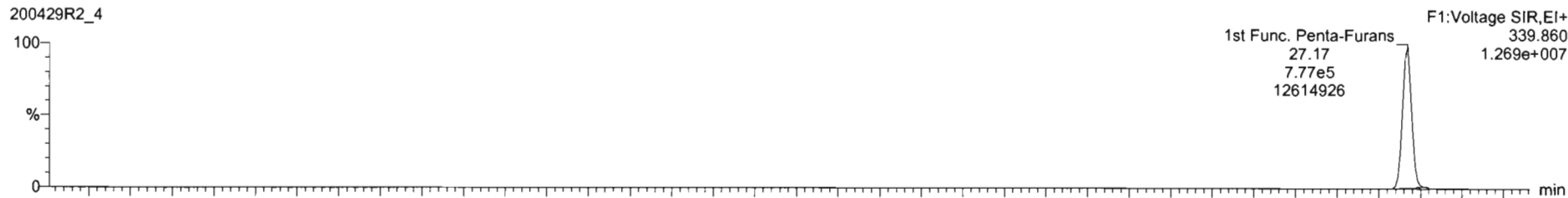
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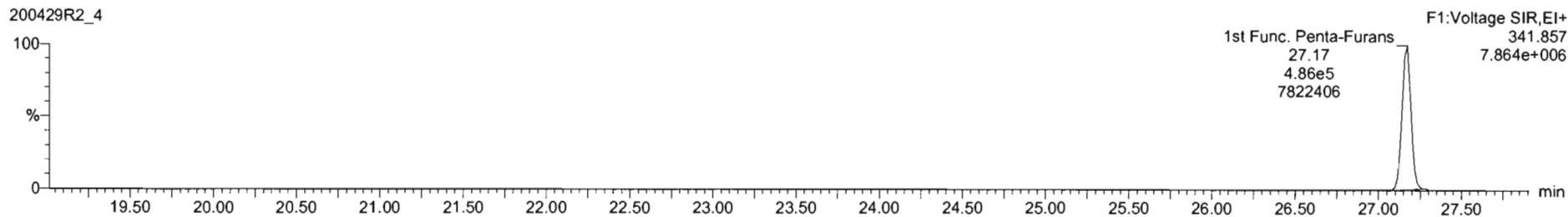
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200429R2_4

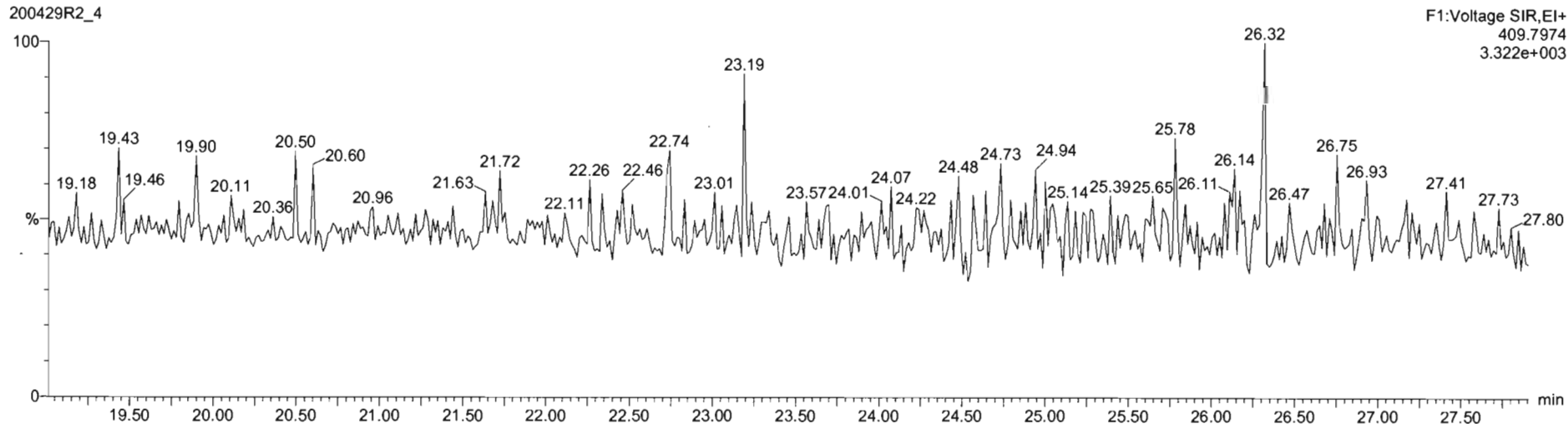


200429R2_4



DPE6

200429R2_4



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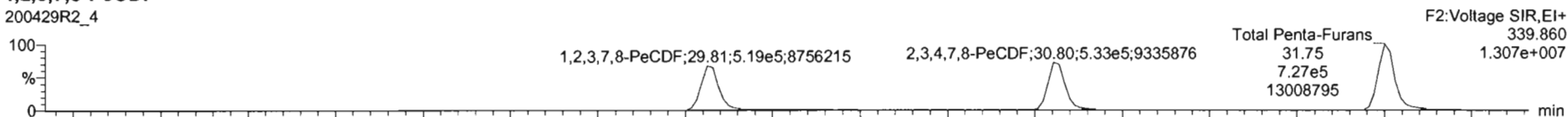
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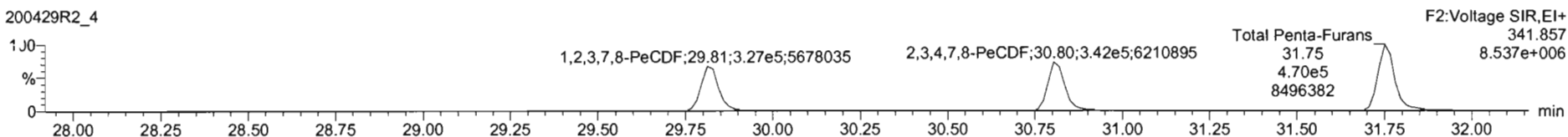
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1,2,3,7,8-PeCDF

200429R2_4

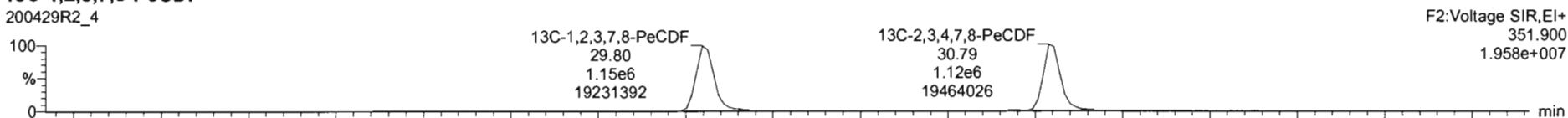


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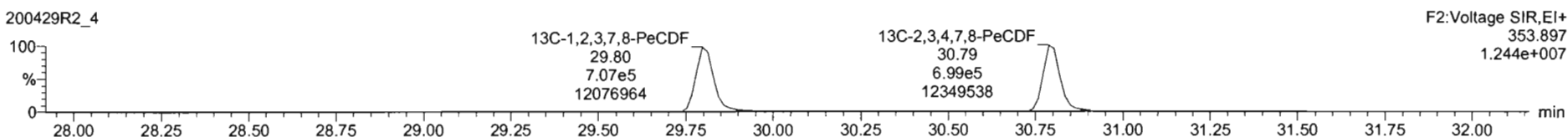


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200429R2_4

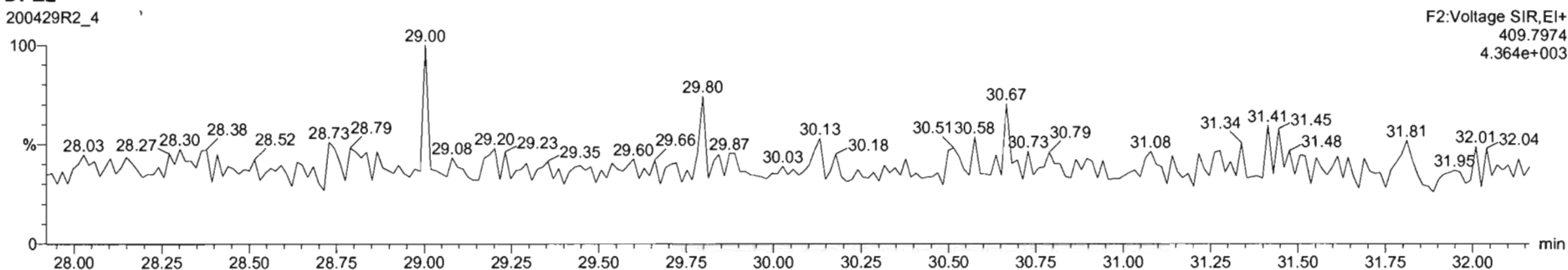


200429R2_4



DPE2

200429R2_4

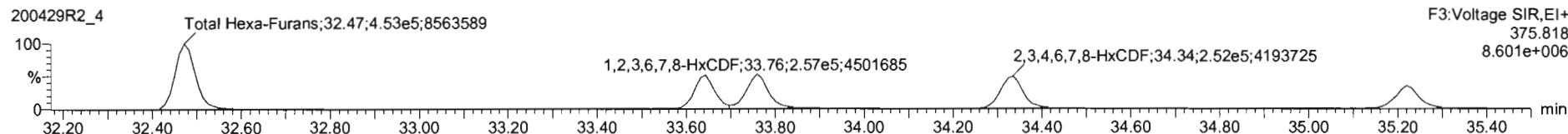
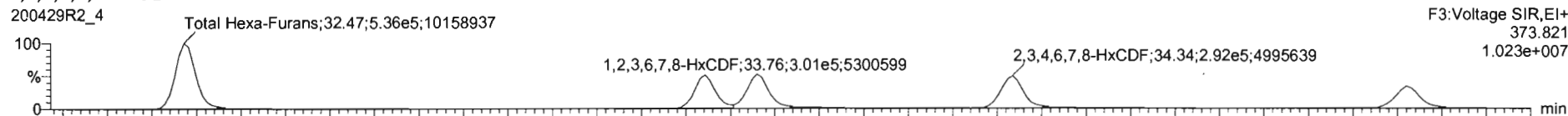


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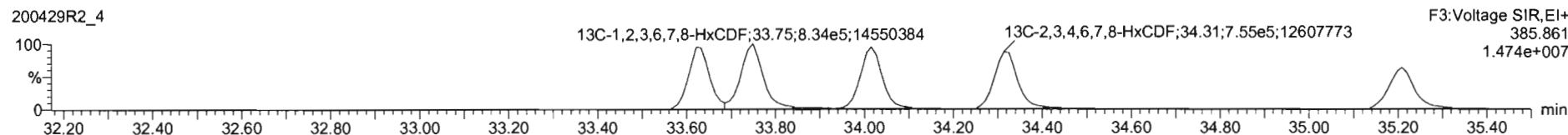
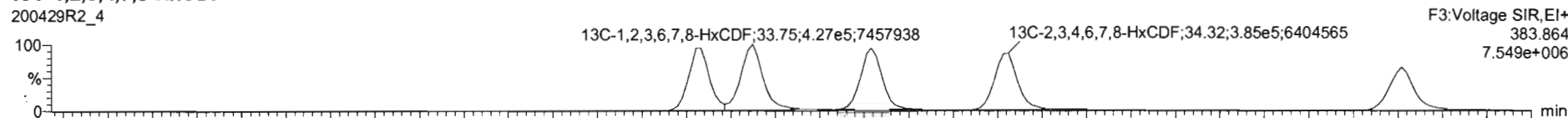
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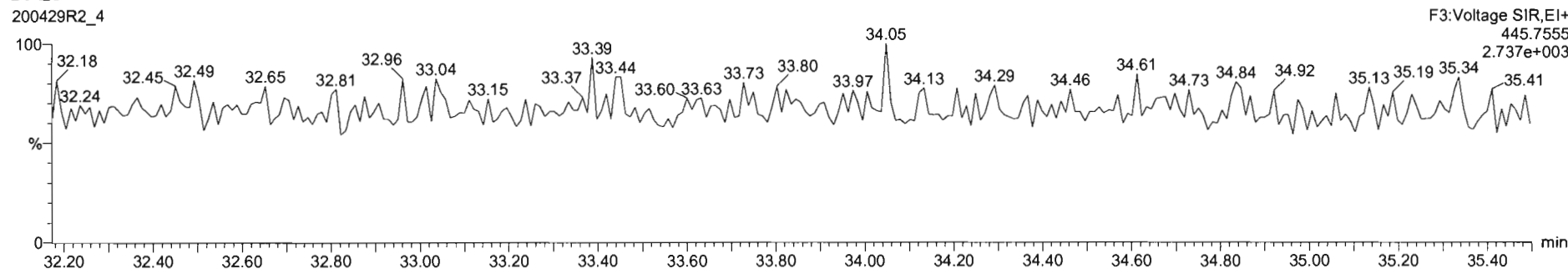
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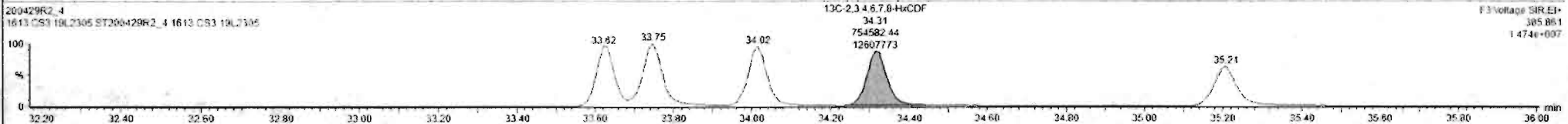
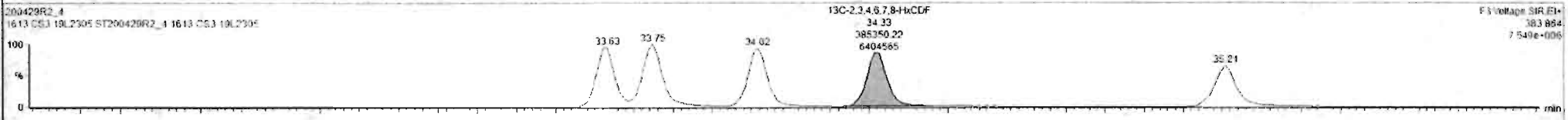
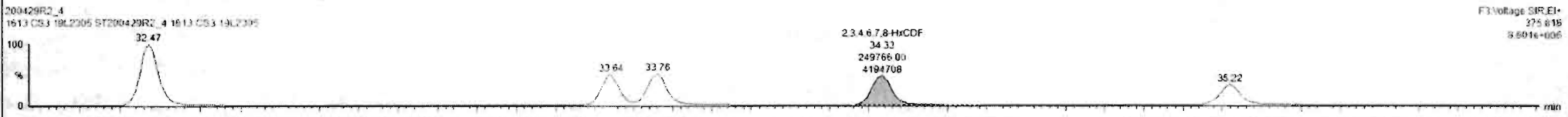
13C-1,2,3,4,7,8-HxCDF



DPE3



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%PSD	RRF M.L.	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e5	10.000	0.6	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	8.4850e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8907e5	1.0790e6	50.000	-0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.88	1.219	NO	4.1946e5	9.5281e5	50.000	-1.8	7.64	0.915	0.0599
6	1,2,3,4,6,7,8-HpCDD	38.36	0.988	NO	3.0769e5	6.7806e5	50.000	1.0	6.93	0.856	0.0622
7	OCDD	41.35	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.933	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1491e5	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.089	NO	8.4785e5	1.6762e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.90	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1230e6	50.000	1.1	7.59	0.878	0.0686
12	1,2,3,6,7,8-HxCDF	33.75	1.173	NO	5.5786e5	1.2611e6	50.000	1.2	7.23	0.874	0.0652
13	2,3,4,6,7,8-HxCDF	34.33	1.171	NO	5.4192e5	1.1399e6	50.000	3.2	7.89	0.922	0.0765
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.7	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.952	NO	3.7224e5	6.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.998	NO	2.5973e5	5.1832e5	50.000	0.3	4.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.3639e5	1.3186e6	100.000	1.3	7.16	0.802	0.0575

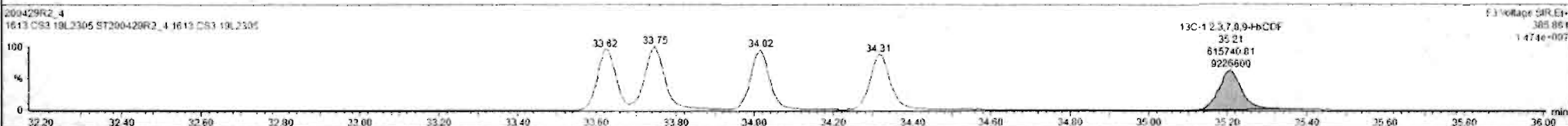
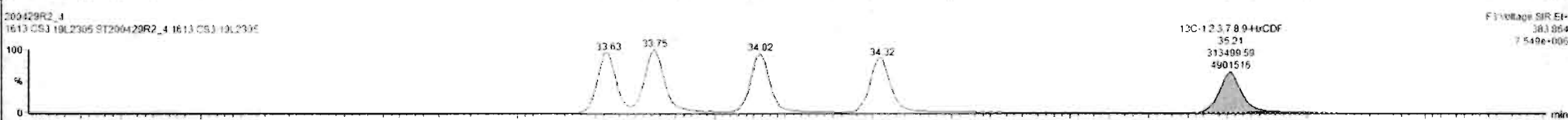


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200429R2_4 CAP NUM

8:08 AM

#	Name	RT	RA	ym	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M.	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e6	10.000	0.8	1.35	0.547	0.0507
2	1,2,3,7,8-PeCDD	21.13	0.616	NO	5.2678e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	24.51	1.220	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	24.80	1.202	NO	4.8027e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0567
5	1,2,3,7,8,9-HxCDD	24.98	1.219	NO	4.1546e5	9.3381e5	50.000	-1.5	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	26.38	0.988	NO	2.0768e5	6.7896e5	50.000	1.0	6.92	0.856	0.0622
7	OCDD	41.25	0.879	NO	5.6337e5	1.1777e6	100.000	2.5	7.57	0.613	0.0707
8	2,3,7,8-TCDF	25.11	0.743	NO	1.6505e5	2.1e91e6	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4165e5	1.6682e6	50.000	0.0	5.86	0.910	0.0533
10	1,2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.6312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	1,2,3,4,6,7,8-HxCDF	34.23	1.170	NO	5.4197e5	1.1396e6	50.000	3.1	7.69	0.902	0.0709
14	1,2,3,7,8,9-HxCDF	35.22	1.164	NO	4.6244e5	9.2024e5	50.000	0.2	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7234e5	8.6485e5	50.000	-1.2	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.98	0.998	NO	2.5973e5	5.1182e5	50.000	0.3	6.82	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.1650e5	1.3198e6	100.000	1.5	7.16	0.802	0.0575



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200429R2_4 CAP NUM

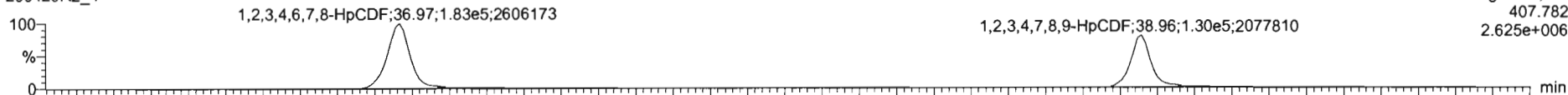
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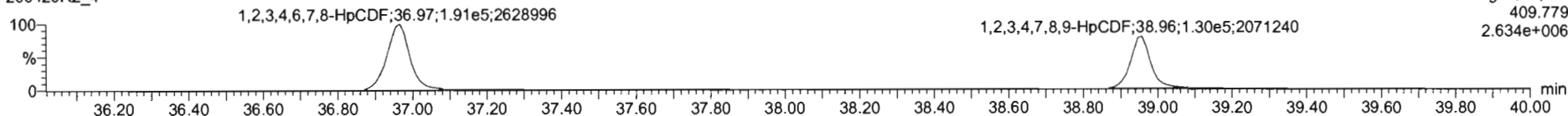
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200429R2_4

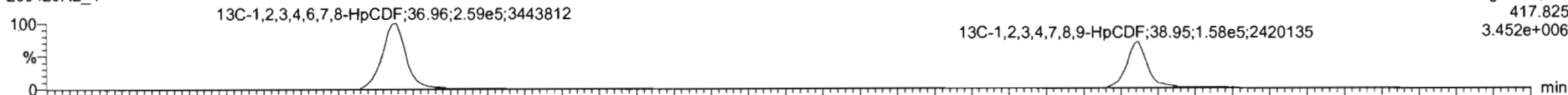


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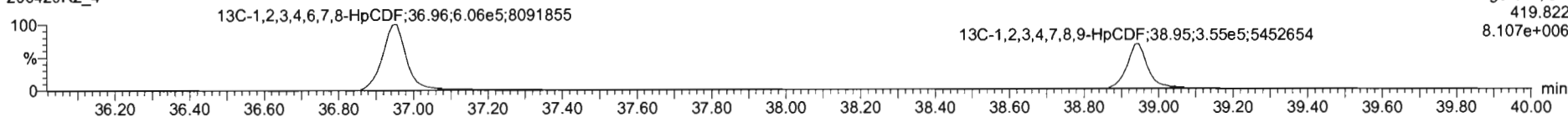


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200429R2_4

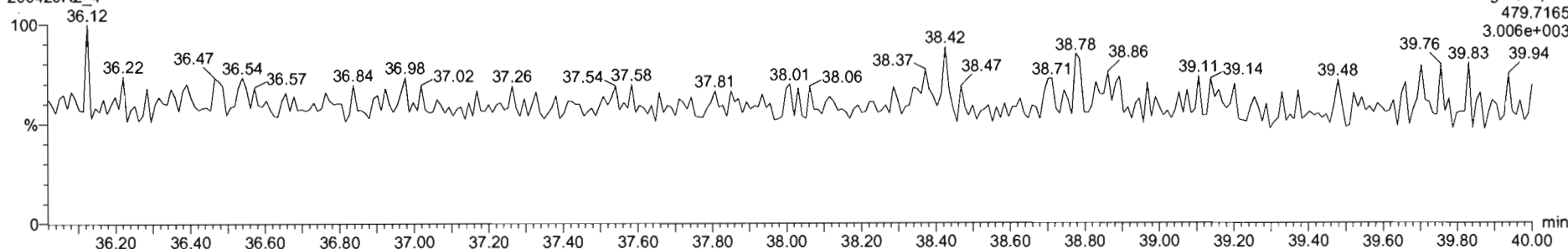


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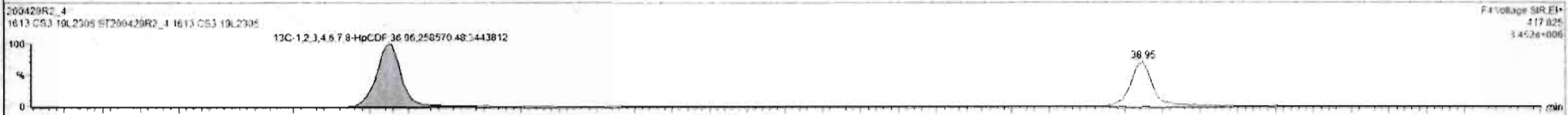
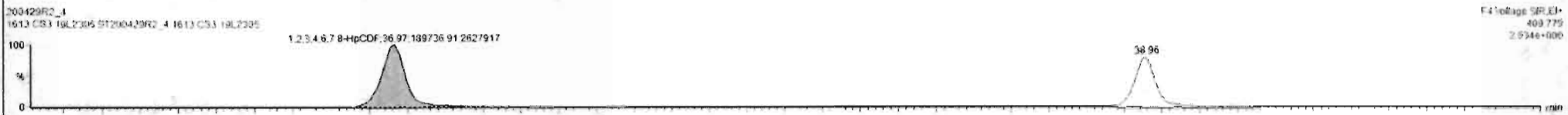


DPE4

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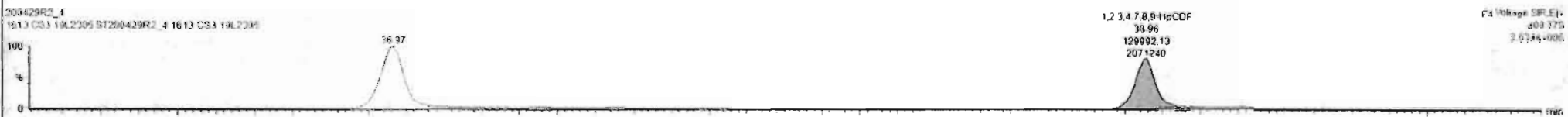
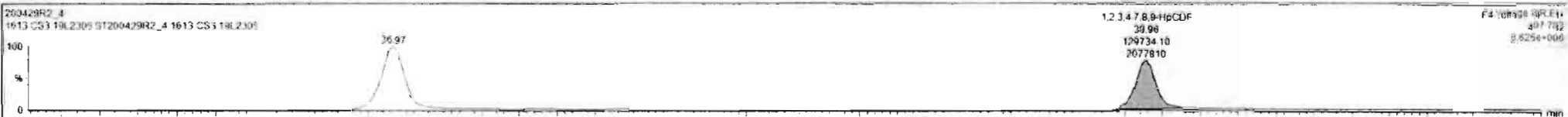


#	s	Name	RT	RA	y/n	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1	1,2,3,7,8-TCDD	26.07	0.751	NO	1.4250e5	1.4820e6	10.000	0.8	5.25	0.947	0.0507
2	2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.2679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4160e5	3.4852e5	50.000	-2.2	6.62	1.06	0.0704
4	4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8927e5	1.6796e6	50.000	-0.9	6.53	0.915	0.0597
5	5	1,2,3,7,8,9-HxCDD	34.88	1.238	NO	4.1946e5	9.3381e5	50.000	-1.8	7.64	0.915	0.0699
6	6	1,2,3,4,6,7,8-HpCDD	36.36	0.988	NO	3.0769e5	6.7896e5	50.000	1.0	6.90	0.856	0.0622
7	7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.8	7.57	0.933	0.0767
8	8	1,2,3,7,8-TCDF	25.11	0.743	NO	1.8505e5	2.1491e6	10.000	-2.4	5.11	0.767	0.0402
9	9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4565e5	1.6562e6	50.000	0.0	5.86	0.910	0.0533
10	10	1,2,3,4,7,8-PeCDF	30.80	1.558	NO	8.7458e5	1.6179e6	50.000	-0.4	4.98	0.966	0.0461
11	11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0668
12	12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2611e6	50.000	1.2	7.23	0.874	0.0632
13	13	1,2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4191e5	1.1799e6	50.000	3.2	7.69	0.922	0.0709
14	14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.864	0.0517
15	15	1,2,3,4,6,7,8-HpCDF	36.87	0.962	NO	3.7234e5	6.6465e5	50.000	-1.2	7.54	0.871	0.0657
16	16	1,2,3,4,7,8,9-HpCDF	38.98	0.998	NO	2.5673e5	5.1182e5	50.000	0.3	6.62	1.01	0.0670
17	17	OCDF	41.53	0.862	NO	5.3639e5	1.3198e6	100.000	1.3	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.07	0.761	NO	1.4250e5	1.4920e5	10.000	0.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.13	0.616	NO	5.3679e5	1.1411e6	50.000	-0.2	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.220	NO	4.4168e5	8.4852e5	50.000	-2.2	6.62	1.06	0.0764
4	1,2,3,6,7,8-HxCDD	34.60	1.202	NO	4.8927e5	1.0796e6	50.000	-0.9	6.53	0.915	0.0562
5	1,2,3,7,8,9-HxCDD	34.68	1.213	NO	4.1946e5	9.381e5	50.000	-1.6	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	0.988	NO	3.0765e5	6.7896e5	50.000	1.0	8.93	0.896	0.0622
7	OCDD	41.35	0.879	NO	5.6237e5	1.1777e6	100.000	2.5	7.57	0.933	0.0707
8	2,2,7,8-TCDF	25.11	0.743	NO	1.8505e5	2.1491e5	10.000	-2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.589	NO	8.4585e5	1.6581e6	50.000	0.0	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.80	1.559	NO	8.7458e5	1.8179e6	50.000	-0.4	4.98	0.968	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.215	NO	5.0312e5	1.1332e6	50.000	1.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.78	1.173	NO	5.5706e5	1.2E11e6	50.000	1.2	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.170	NO	5.4197e5	1.1999e6	50.000	3.2	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.22	1.168	NO	4.0244e5	9.2924e5	50.000	0.2	5.96	0.804	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.962	NO	3.7274e5	8.6485e5	50.000	-1.2	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HxCDF	38.96	0.998	NO	2.5973e5	5.1163e5	50.000	0.3	6.62	1.01	0.0670
17	OCDF	41.53	0.862	NO	5.7639e5	1.3198e6	100.000	1.3	7.16	0.802	0.0575



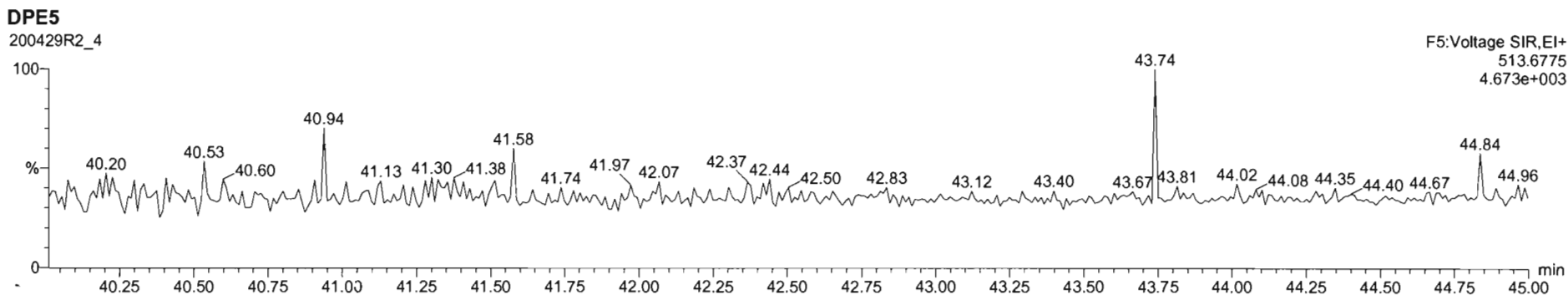
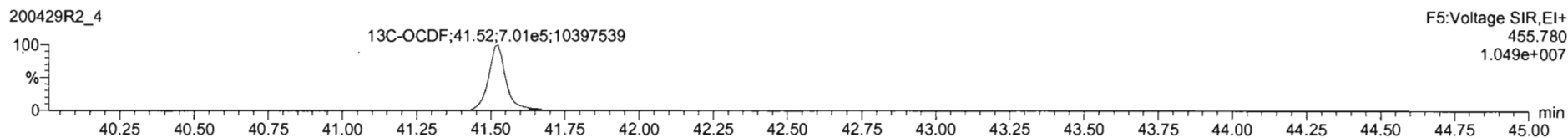
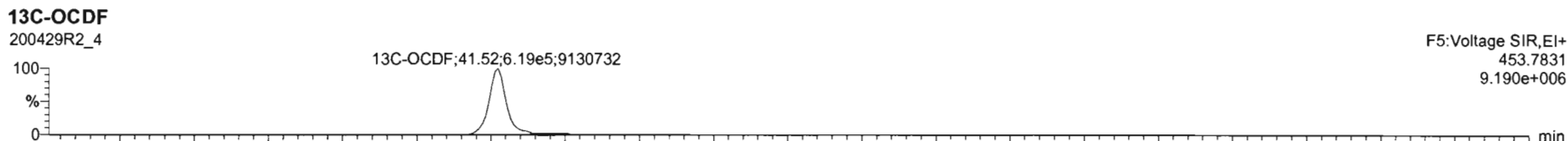
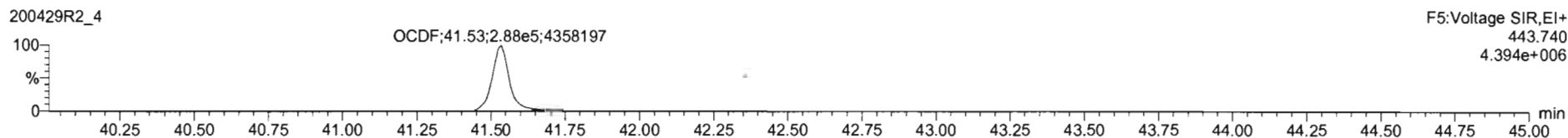
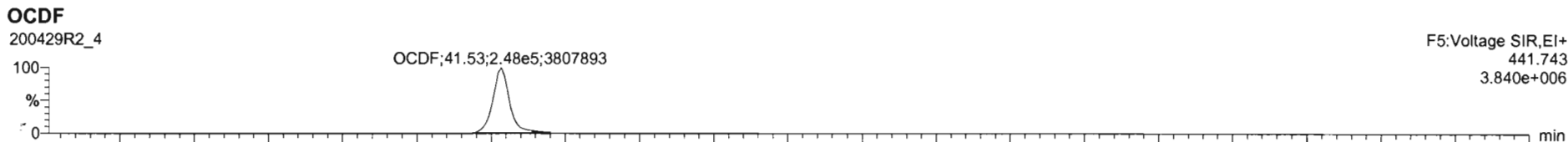
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200429R2_4 CAP NUM

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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

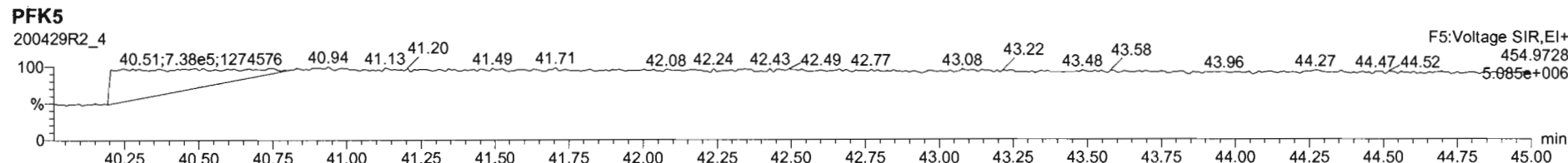
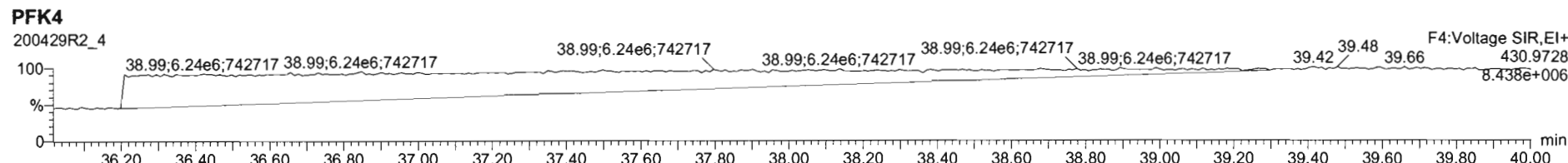
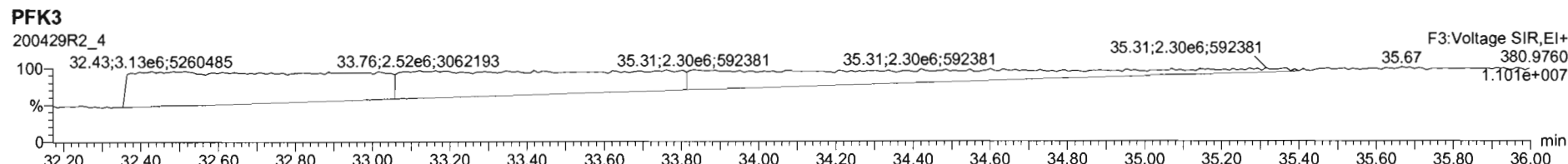
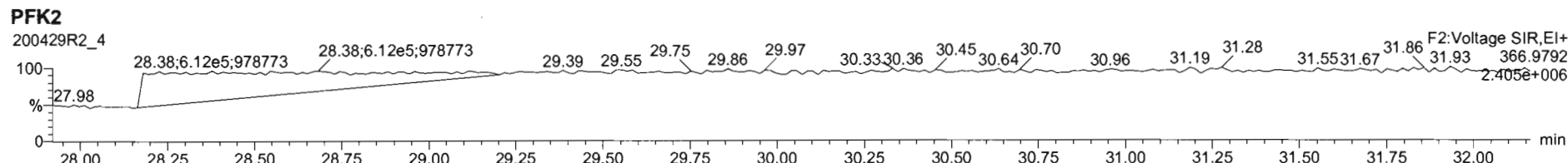
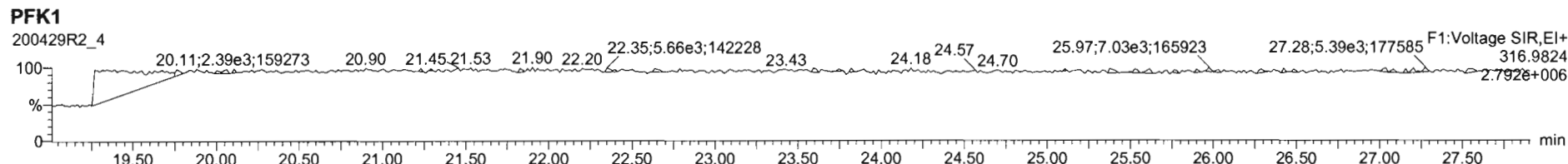
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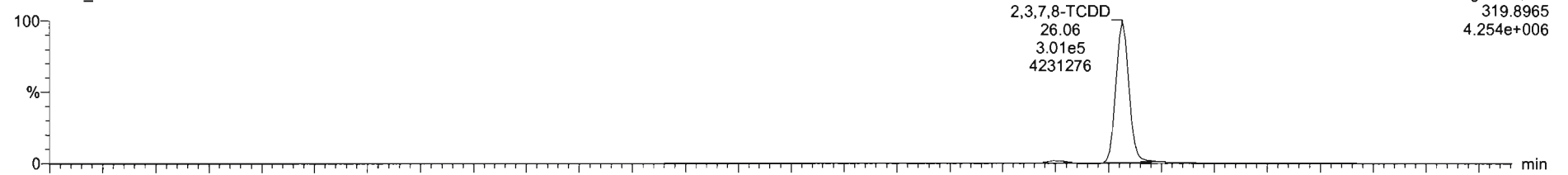
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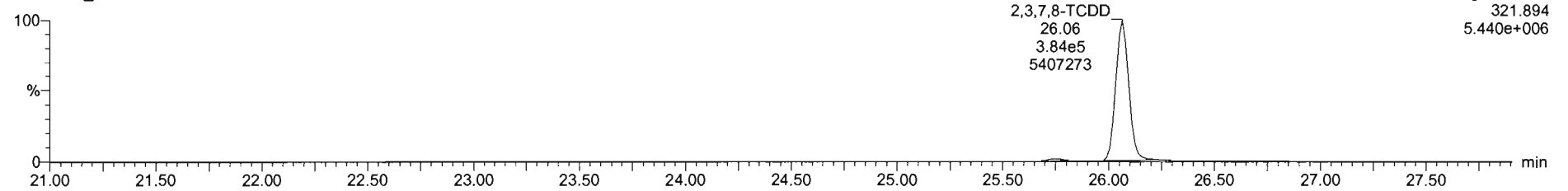
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2,3,7,8-TCDD

200429R2_5

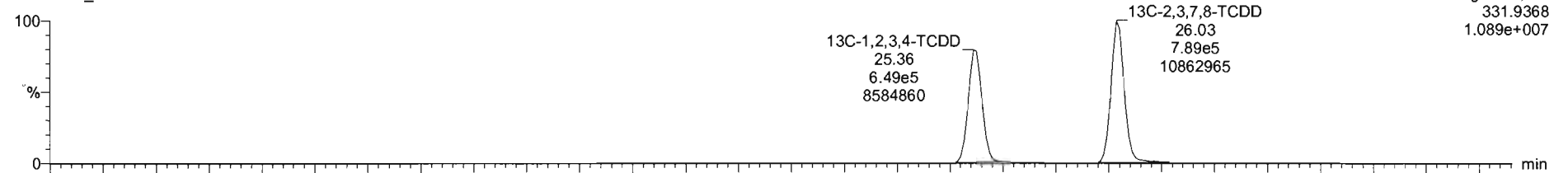


200429R2_5

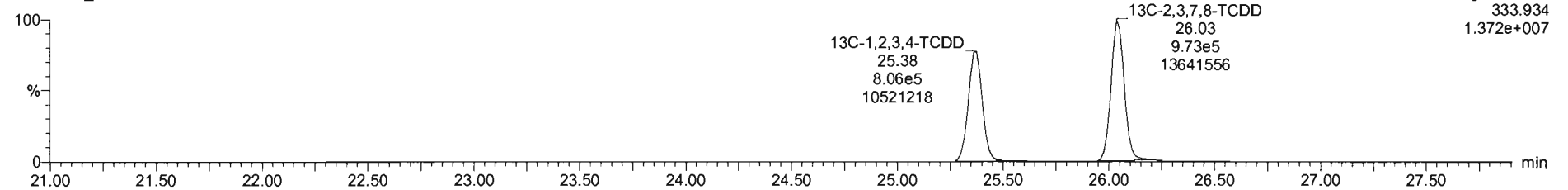


13C-2,3,7,8-TCDD

200429R2_5



200429R2_5



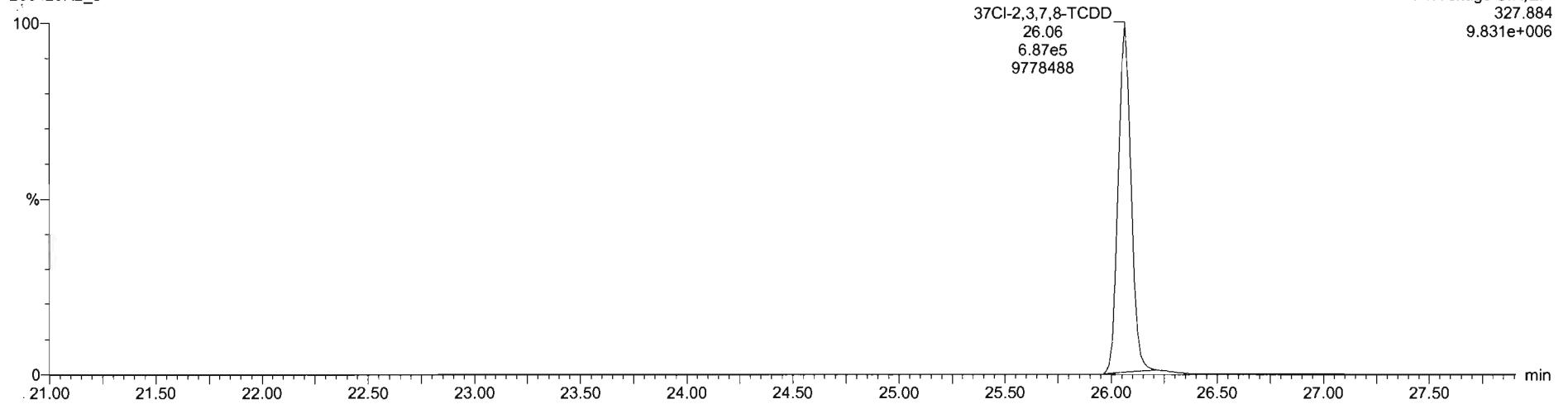
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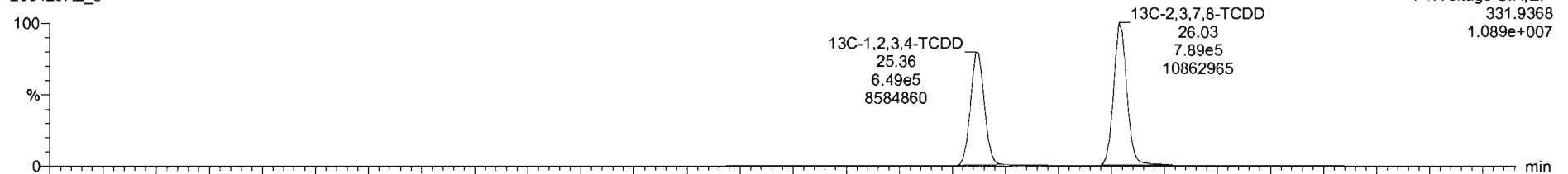
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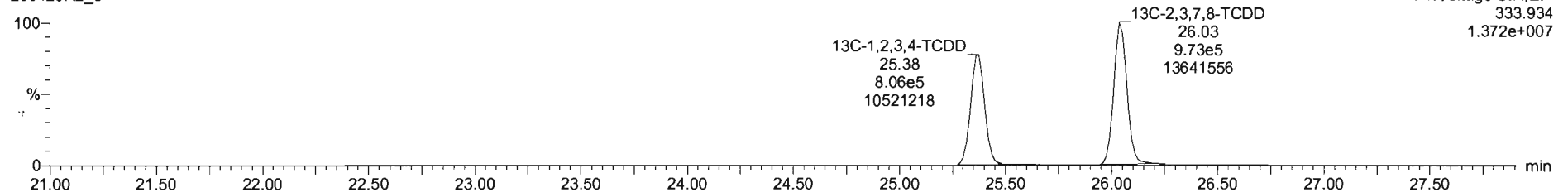


13C-1,2,3,4-TCDD

200429R2_5



200429R2_5



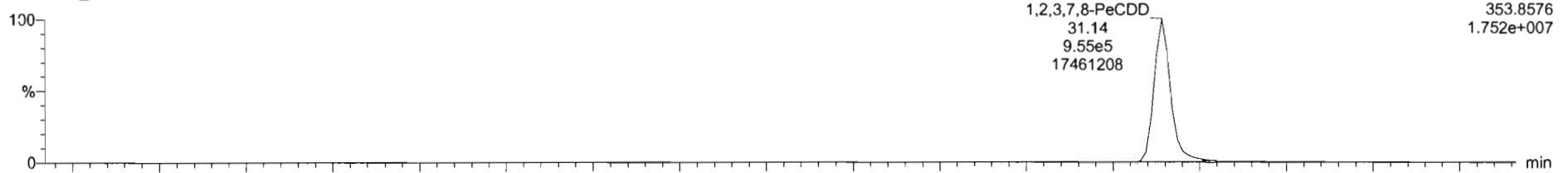
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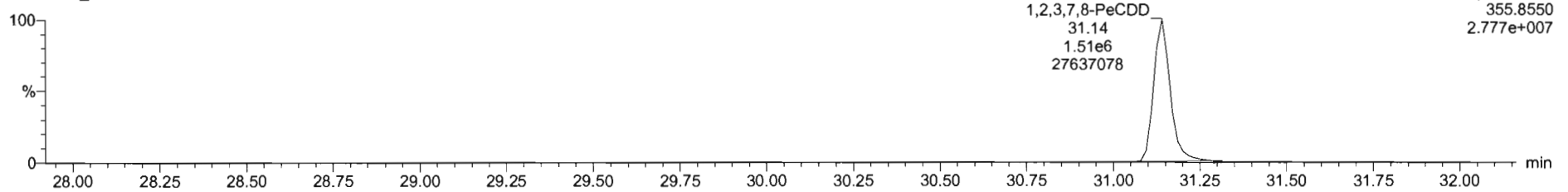
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1,2,3,7,8-PeCDD

200429R2_5

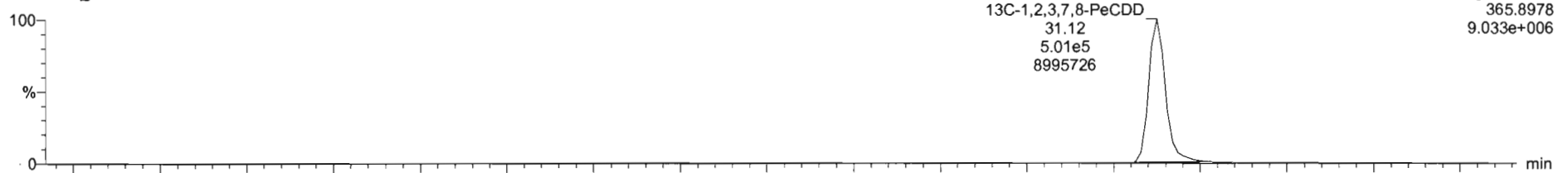


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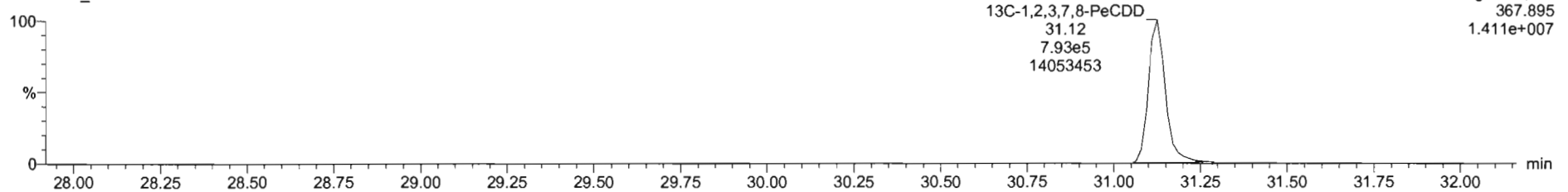


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200429R2_5



200429R2_5



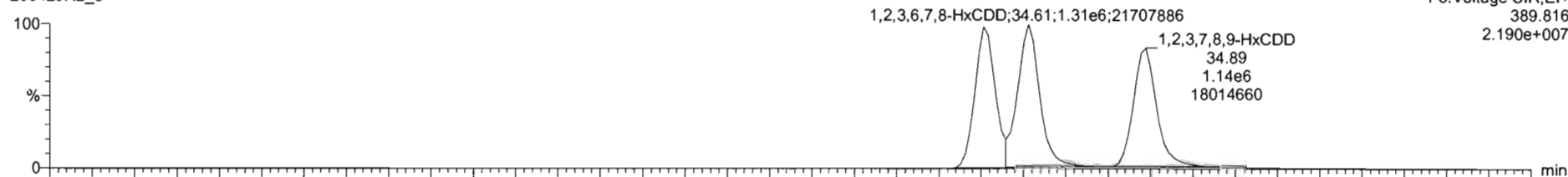
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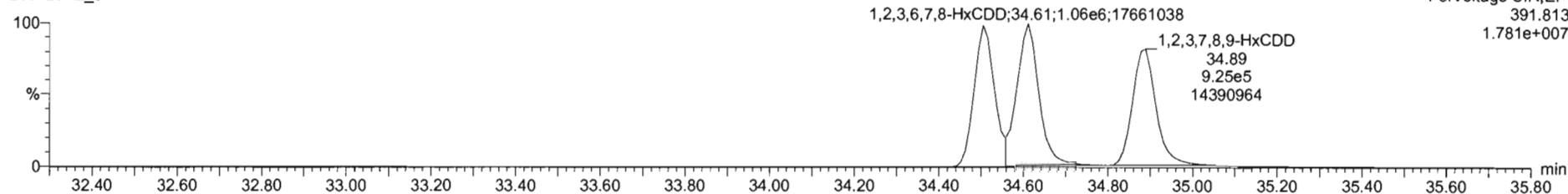
1,2,3,4,7,8-HxCDD

200429R2_5



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389.816
2.190e+007

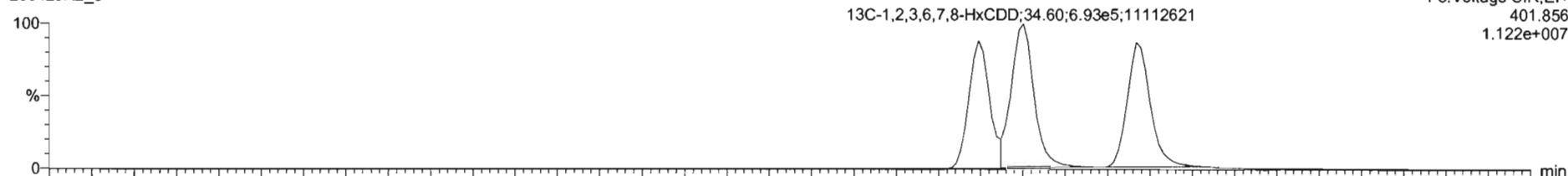
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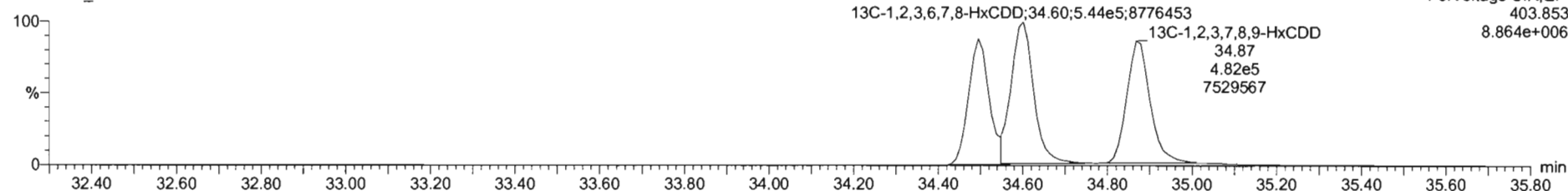
13C-1,2,3,4,7,8-HxCDD

200429R2_5



F3:Voltage SIR,EI+
401.856
1.122e+007

200429R2_5



F3:Voltage SIR,EI+
403.853
8.864e+006

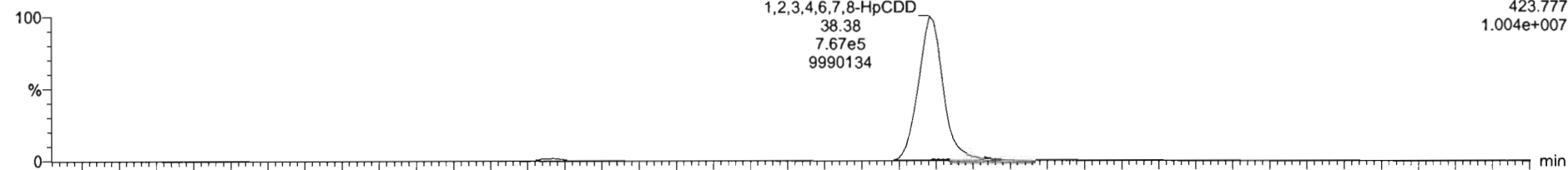
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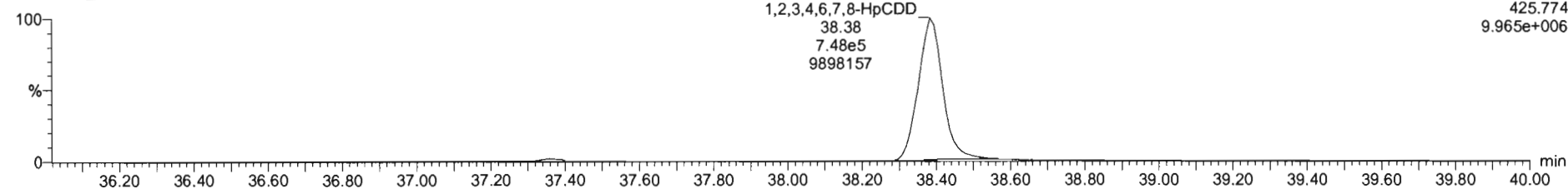
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1,2,3,4,6,7,8-HpCDD

200429R2_5

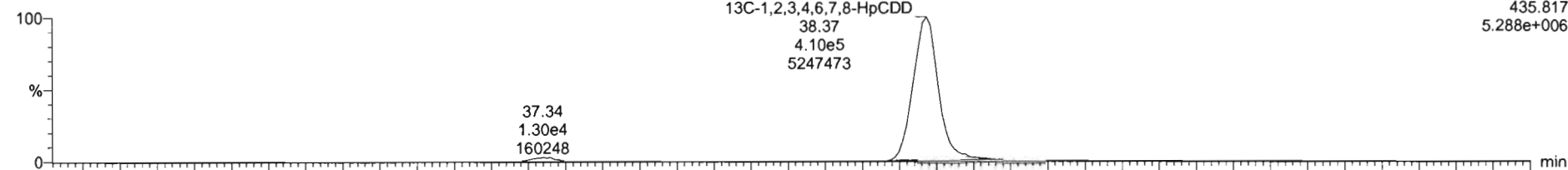


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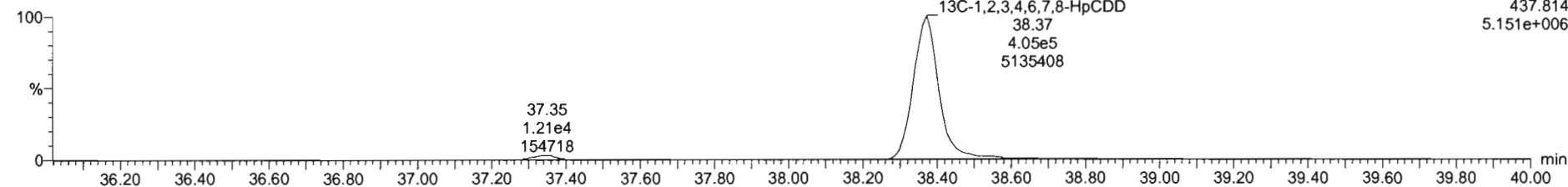


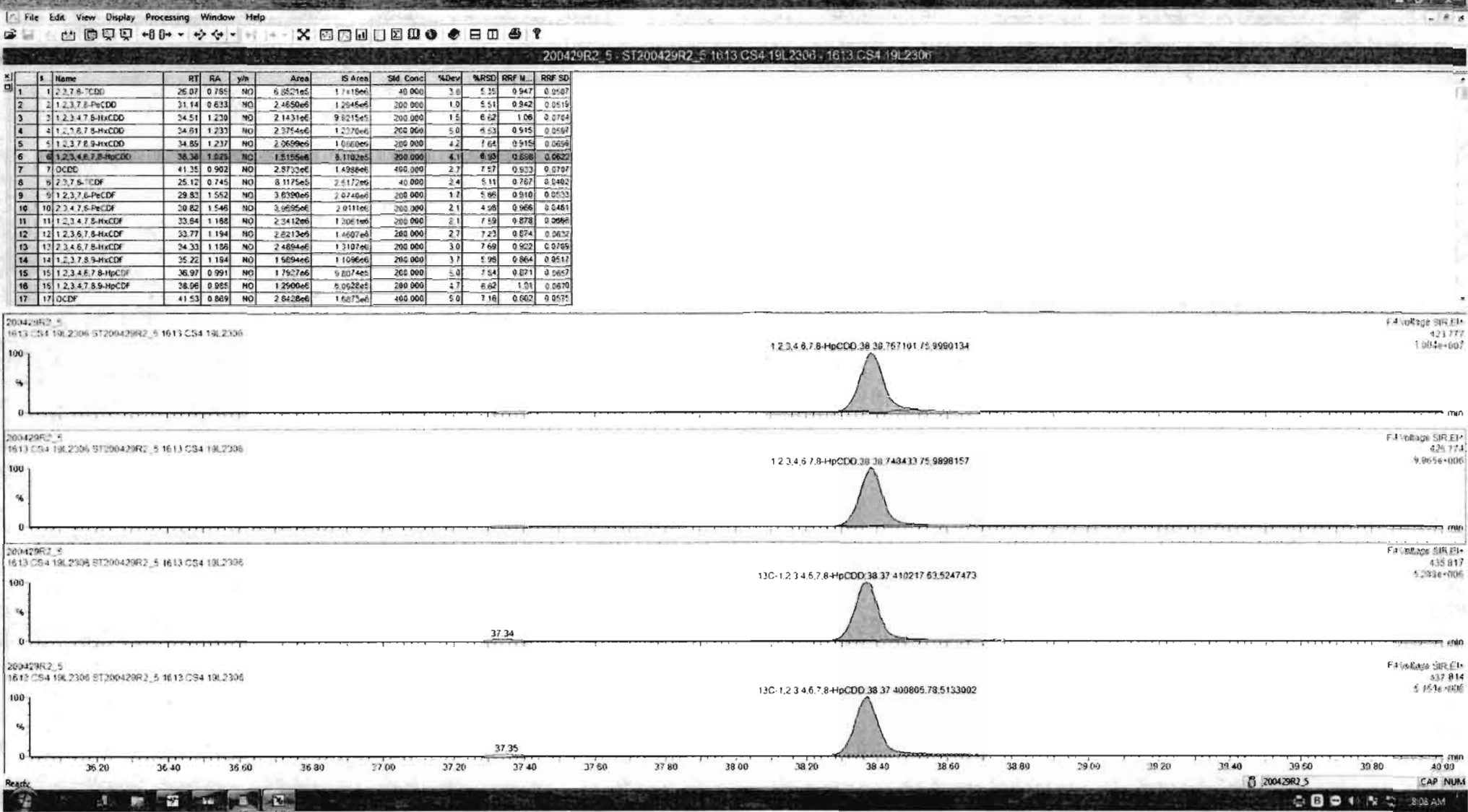
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200429R2_5



200429R2_5

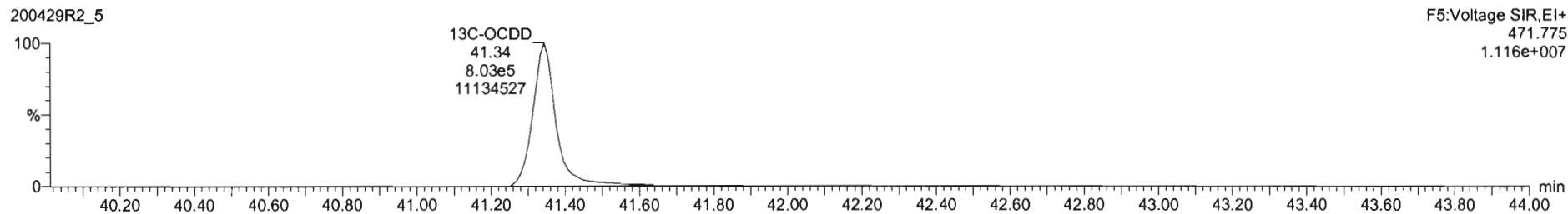
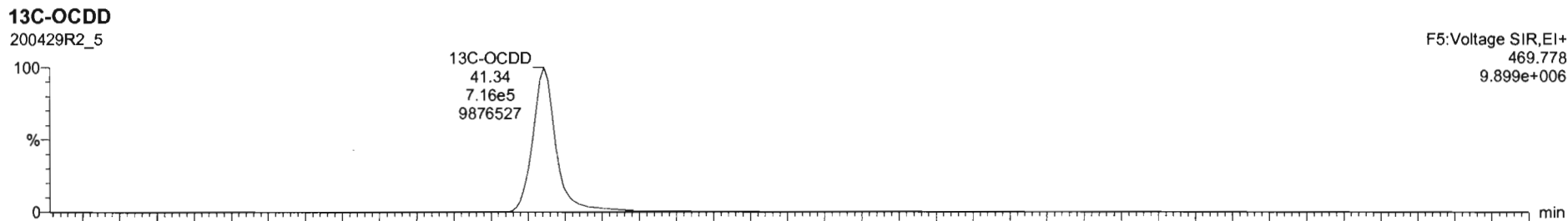
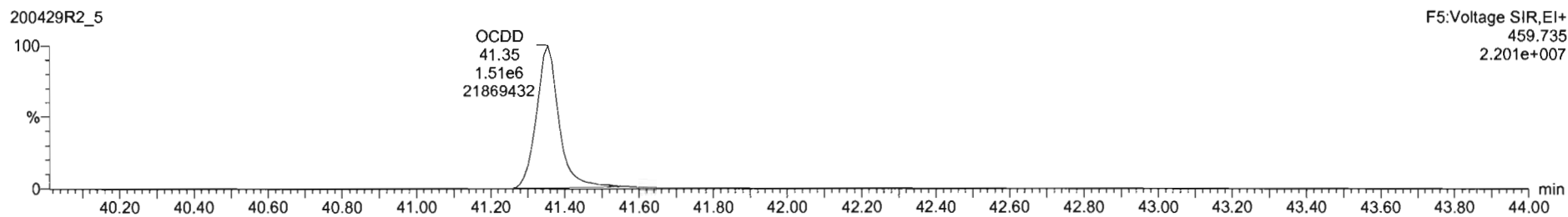
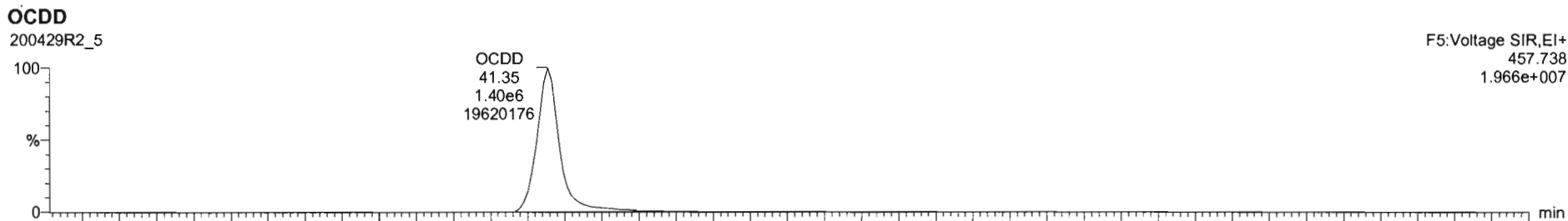




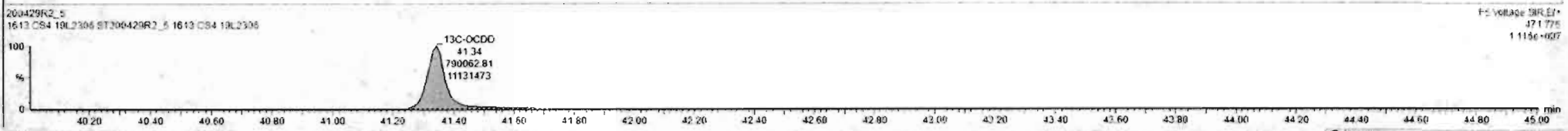
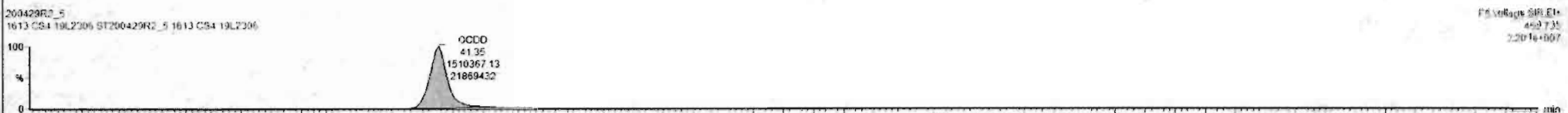
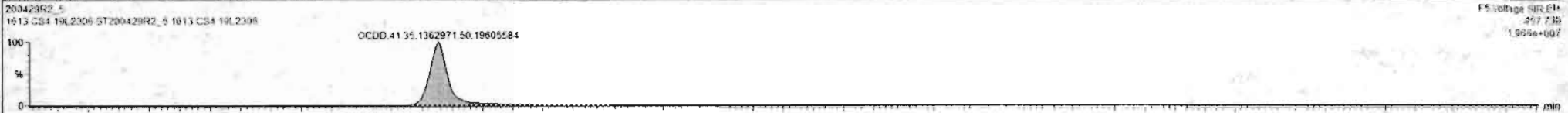
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#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	2,3,7,8-TCDD	28.07	0.785	NO	6.6521e5	1.7418e6	40.000	2.0	5.35	0.947	0.0507
2	1,2,3,7,8-PeCDD	31.14	0.633	NO	2.4650e5	1.2946e6	200.000	1.0	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.230	NO	2.1431e6	9.5215e5	200.000	1.5	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.81	1.233	NO	2.3754e6	1.2270e6	200.000	5.0	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.89	1.237	NO	2.0659e5	1.0860e5	200.000	4.2	7.64	0.915	0.0656
6	1,2,3,4,6,7,8-HpCDD	36.38	1.025	NO	1.5155e6	5.1102e5	200.000	4.1	6.92	0.856	0.0520
7	OCDD	41.35	0.962	ND	2.8733e6	1.4889e6	400.000	2.7	7.57	0.833	0.0767
8	2,3,7,8-TCDF	25.12	0.745	NO	8.1175e5	2.5172e6	40.000	2.4	5.11	0.767	0.0462
9	1,2,3,7,8-PeCDF	29.83	1.552	NO	3.6390e6	2.0740e6	200.000	1.7	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.82	1.546	NO	3.9655e6	2.0111e6	200.000	2.1	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.84	1.158	NO	2.3412e6	1.3061e6	200.000	2.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.77	1.194	NO	2.6213e6	1.4607e6	200.000	2.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.186	NO	2.4894e6	1.3107e6	200.000	3.0	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.22	1.194	NO	1.9654e6	1.1056e6	200.000	3.7	5.98	0.864	0.0512
15	1,2,3,4,6,7,8-HpCDF	36.97	0.991	NO	1.7927e6	9.8074e5	200.000	5.0	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.965	NO	1.2500e6	6.9528e5	200.000	4.7	6.62	1.01	0.0670
17	OCDF	41.53	0.869	NO	2.8428e6	1.6673e6	400.000	5.0	7.16	0.802	0.0575



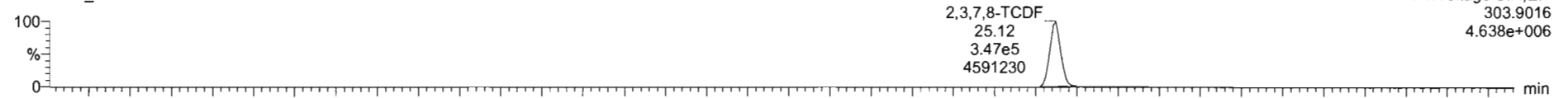
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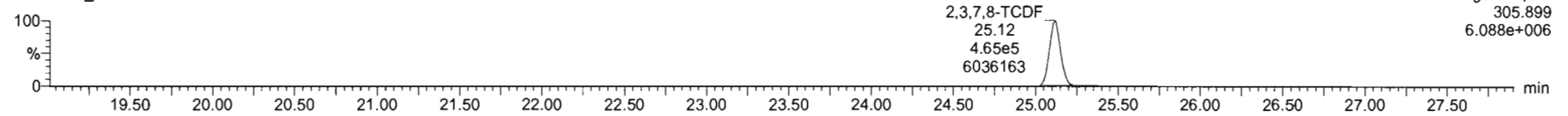
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2,3,7,8-TCDF

200429R2_5

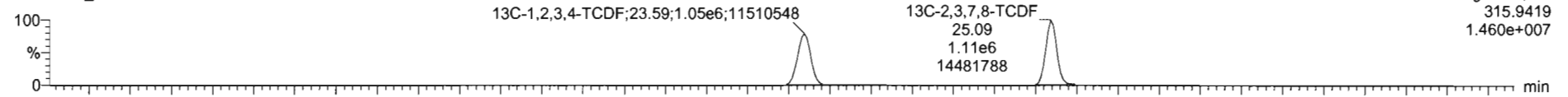


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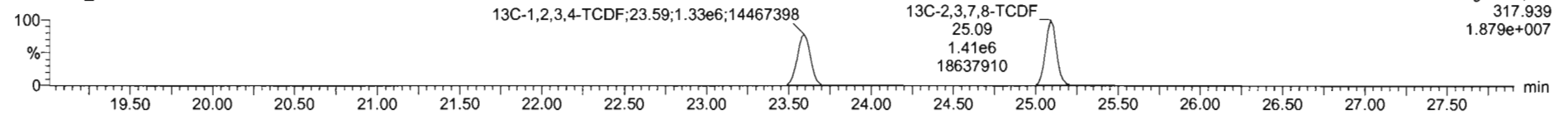


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200429R2_5

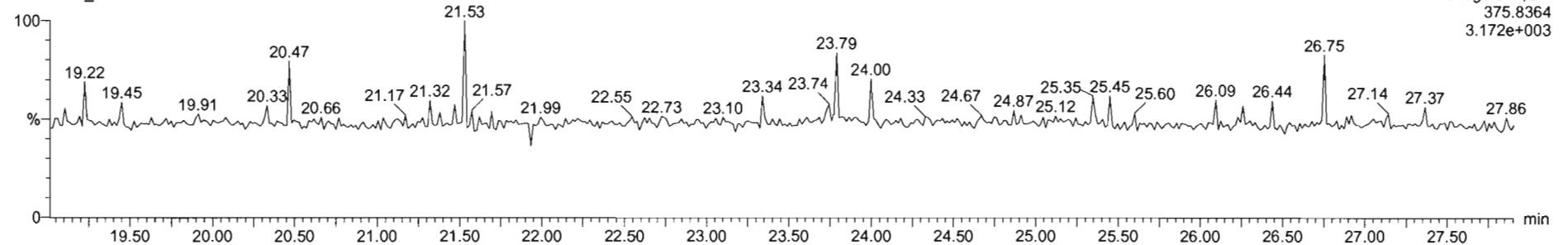


200429R2_5



DPE1

200429R2_5



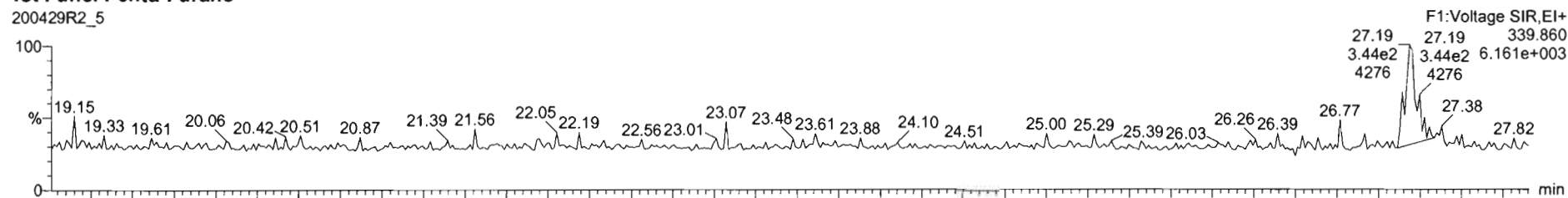
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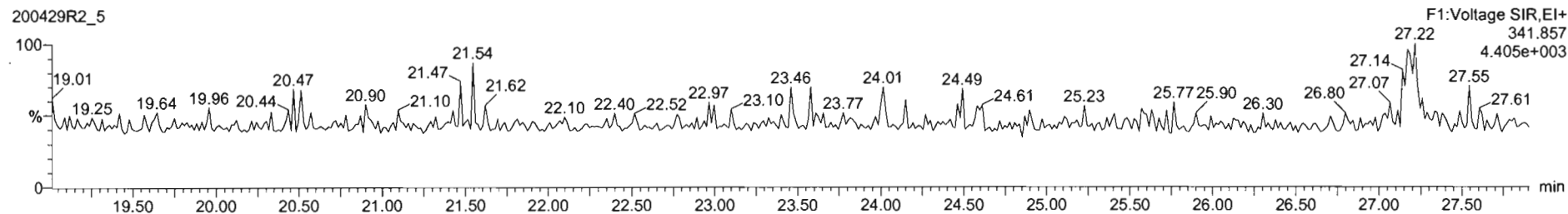
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1st Func. Penta-Furans

200429R2_5

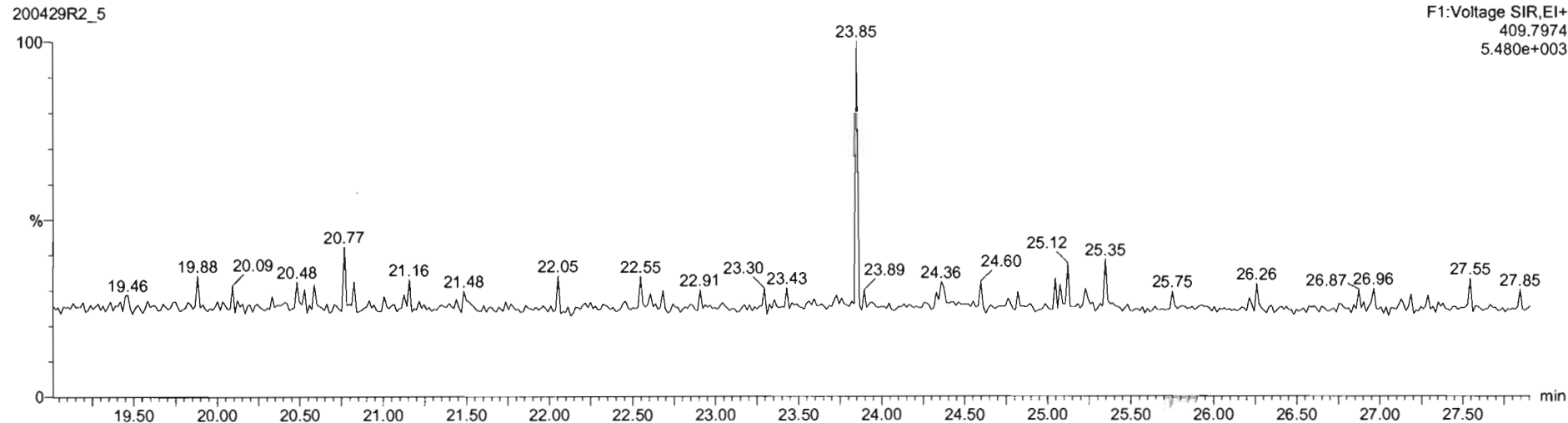


200429R2_5



DPE6

200429R2_5



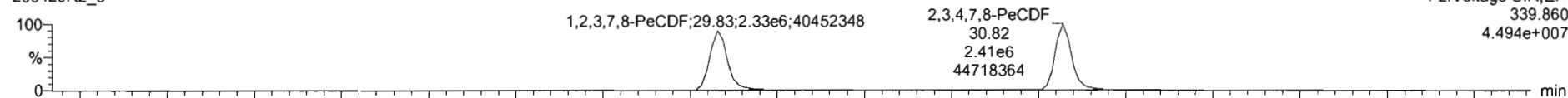
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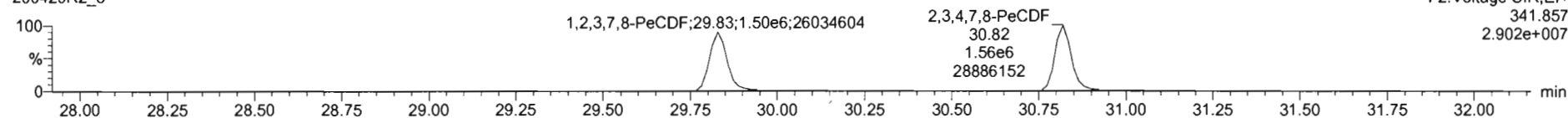
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1,2,3,7,8-PeCDF

200429R2_5

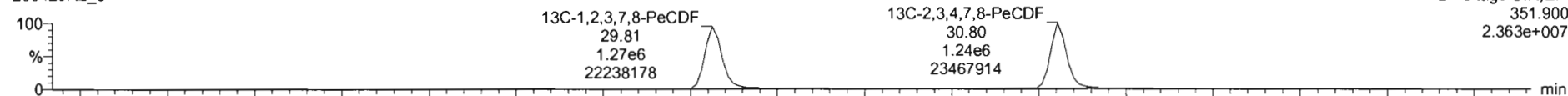


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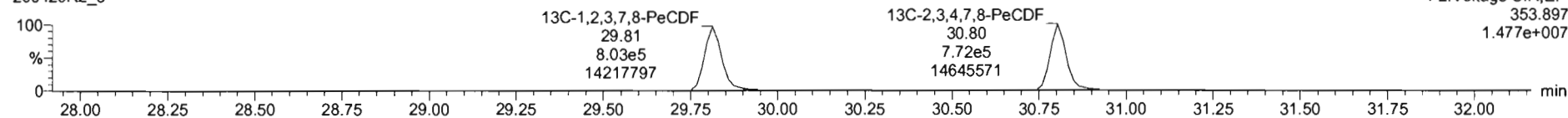


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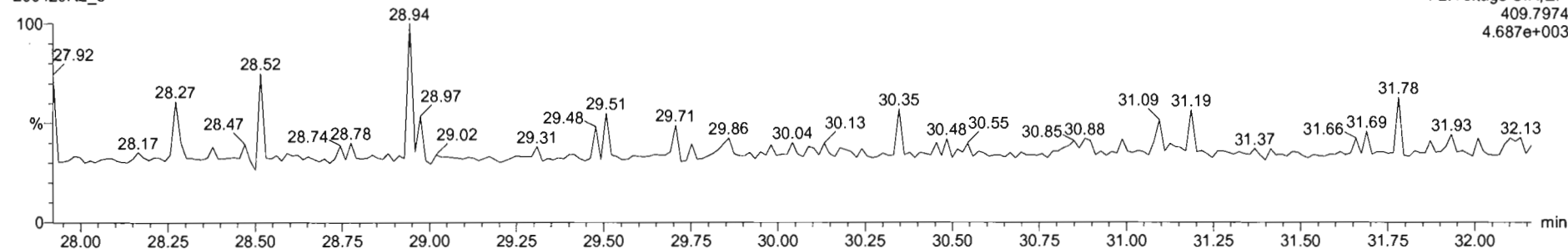


200429R2_5



DPE2

200429R2_5



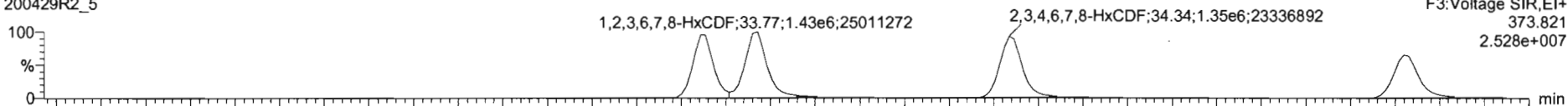
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

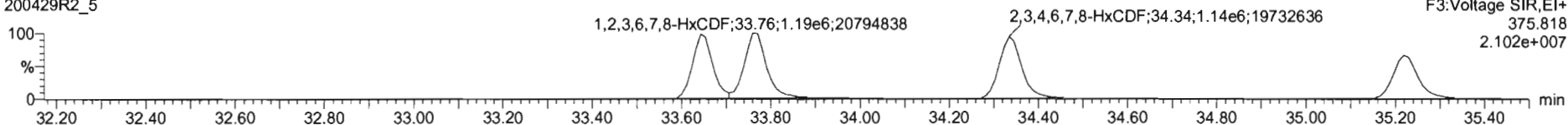
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1,2,3,4,7,8-HxCDF

200429R2_5

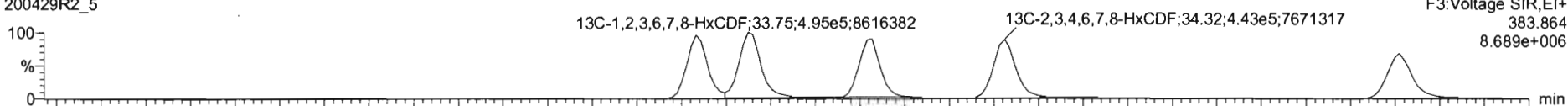


200429R2_5

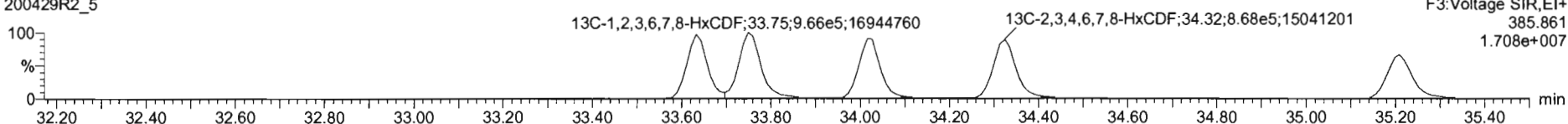


13C-1,2,3,4,7,8-HxCDF

200429R2_5

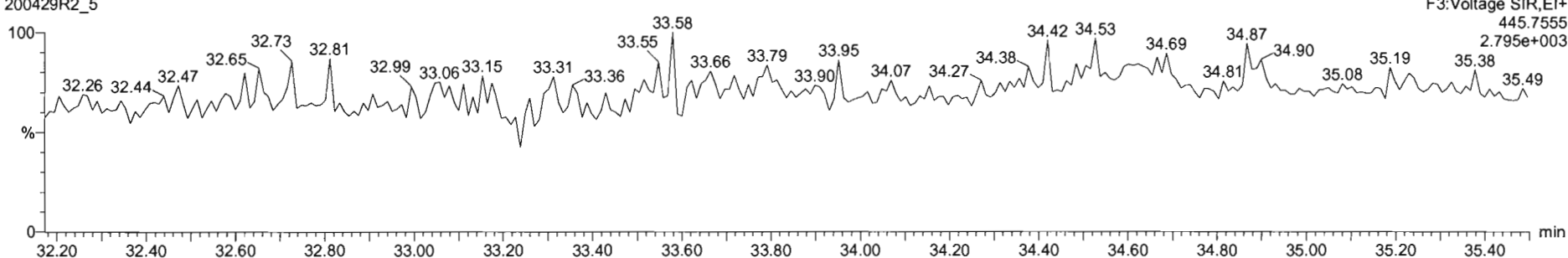


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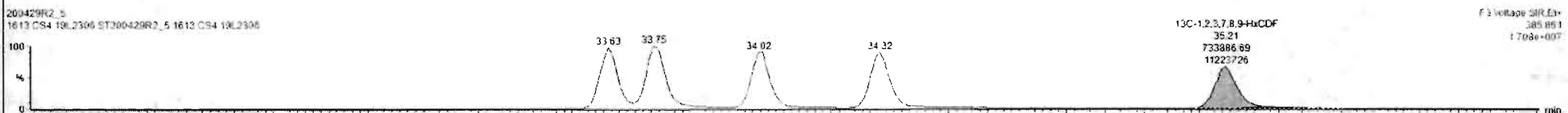
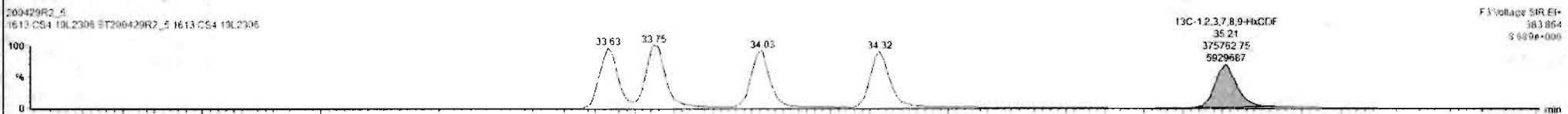


DPE3

200429R2_5



#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.97	0.785	NO	6.6521e5	1.7418e6	40.000	2.6	5.25	0.947	0.0597
2	1,2,3,7,8-PeCDD	31.14	0.633	NO	2.4650e6	1.2646e6	200.000	1.0	5.51	0.942	0.0519
3	1,2,3,4,7,8-HxCDD	34.51	1.230	NO	2.1431e6	9.9215e5	200.000	1.5	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.61	1.233	NO	2.3754e6	1.2270e6	200.000	5.0	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.69	1.237	NO	2.0699e6	1.0860e6	200.000	4.2	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.38	1.025	NO	1.5155e6	5.1102e5	200.000	4.1	8.93	0.896	0.0622
7	OCDD	41.35	0.902	NO	2.8733e6	1.4986e6	400.000	2.7	7.57	0.933	0.0767
8	2,3,7,8-TCDF	25.12	0.745	NO	3.1175e5	2.5172e5	40.000	2.4	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.82	1.552	NO	3.6390e6	2.0740e6	200.000	1.7	5.86	0.910	0.0523
10	2,3,4,7,8-PeCDF	30.82	1.546	NO	3.9695e6	2.0111e6	200.000	2.1	4.98	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.64	1.188	NO	2.3412e6	1.2061e6	200.000	2.1	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.77	1.194	NO	2.6213e6	1.4607e6	200.000	2.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.196	NO	2.4894e6	1.3107e6	200.000	3.0	7.69	0.922	0.0769
14	1,2,3,7,8,9-HxCDF	35.22	1.194	NO	4.9094e6	1.1096e6	200.000	3.7	5.28	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.97	0.991	NO	1.7937e6	9.8074e5	200.000	5.0	7.54	0.671	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.96	0.885	NO	1.2900e6	6.6628e5	200.000	4.7	6.62	1.01	0.0670
17	OCDF	41.53	0.869	NO	2.8428e6	1.6675e6	400.000	5.0	7.16	0.802	0.0575



Custom Reporting: Select reports to generate

200429R2_5 CAP NUM

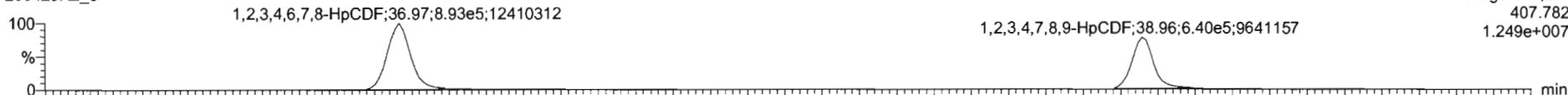
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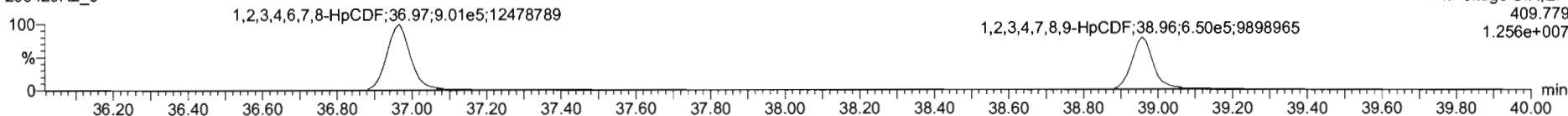
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1,2,3,4,6,7,8-HpCDF

200429R2_5

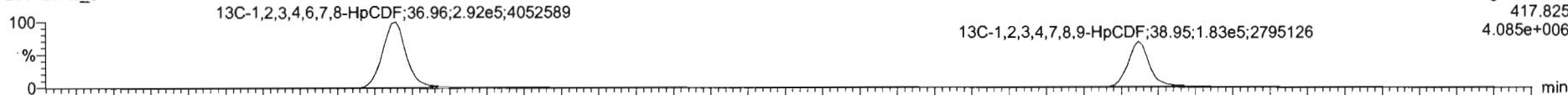


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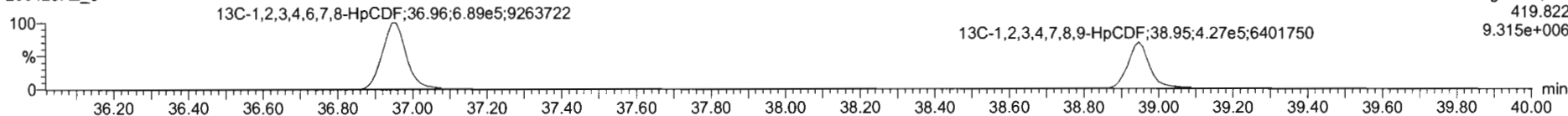


13C-1,2,3,4,6,7,8-HpCDF

200429R2_5

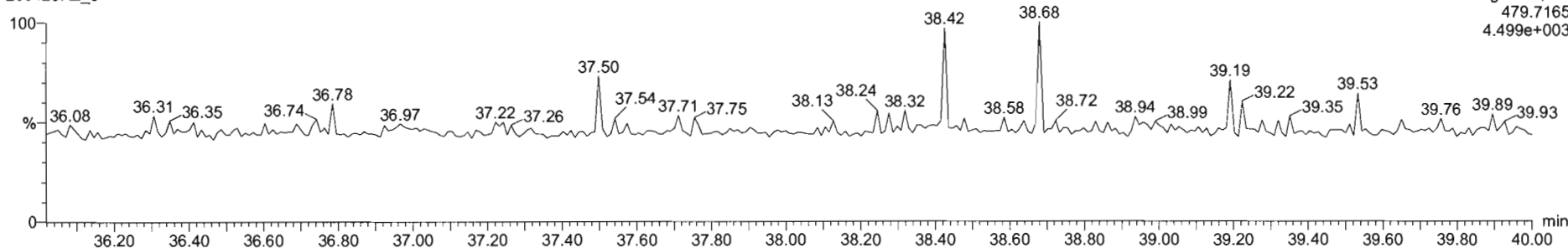


200429R2_5



DPE4

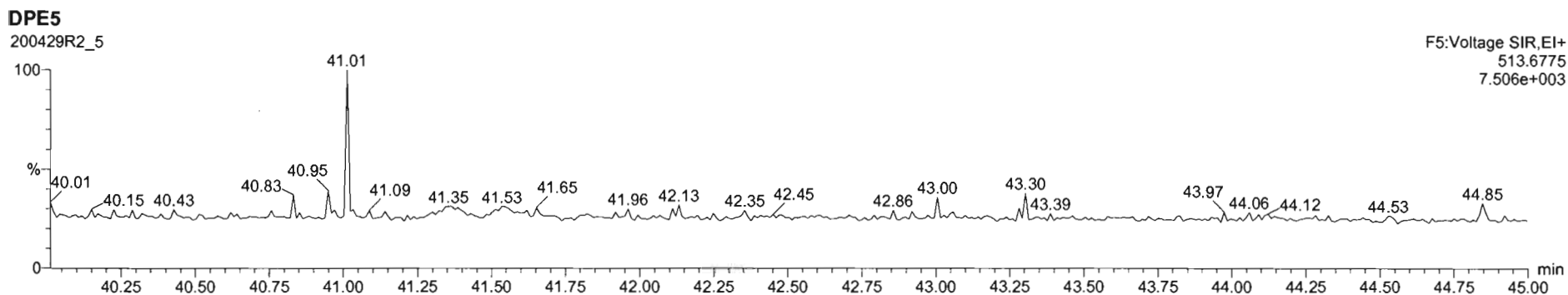
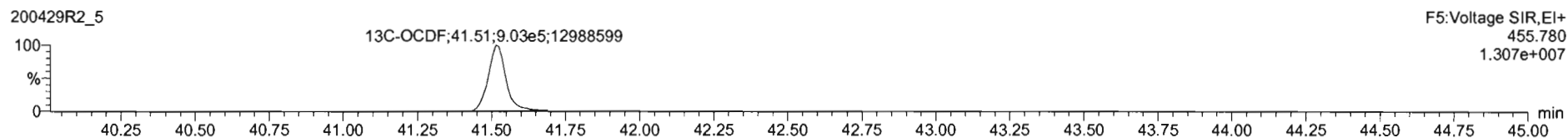
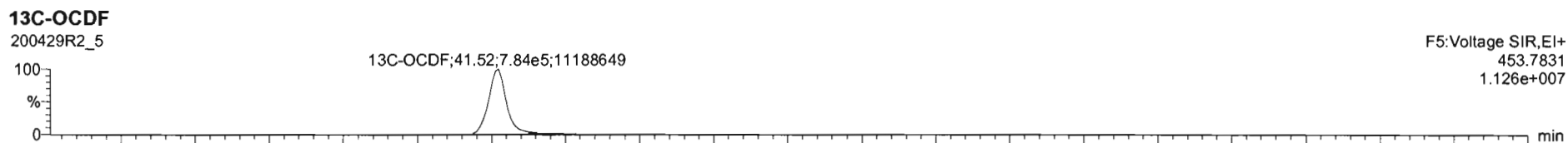
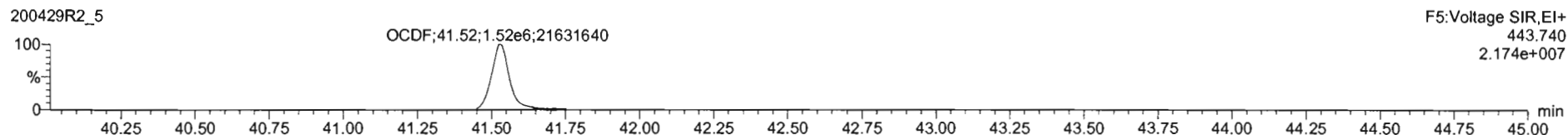
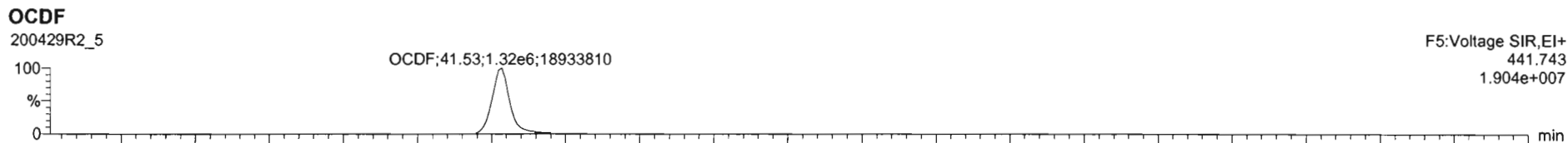
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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

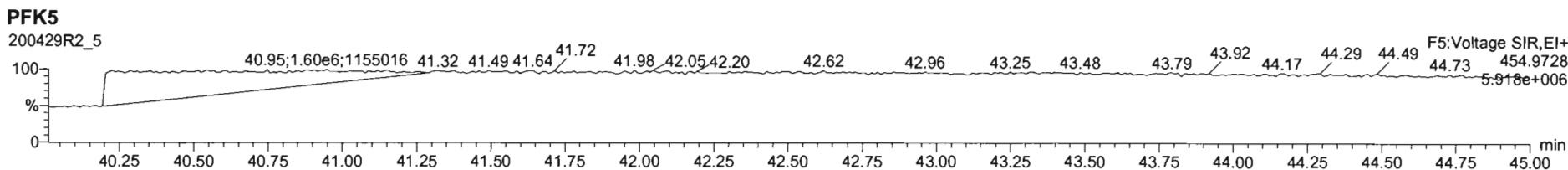
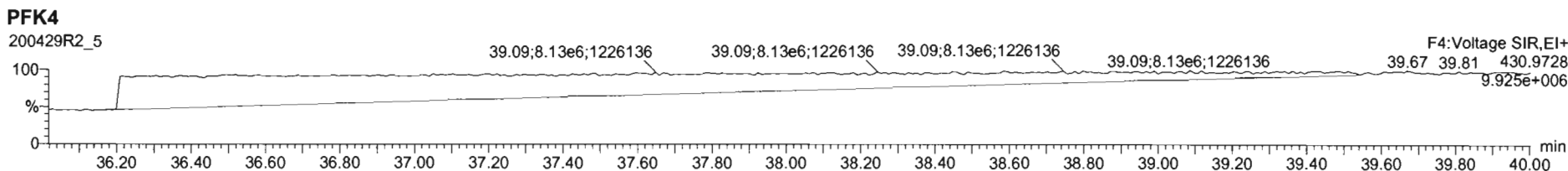
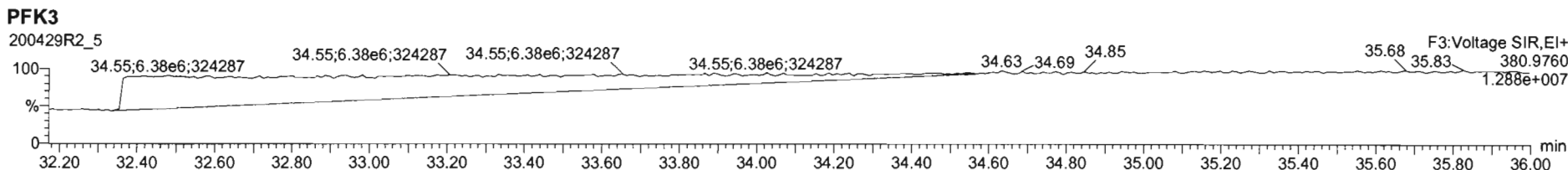
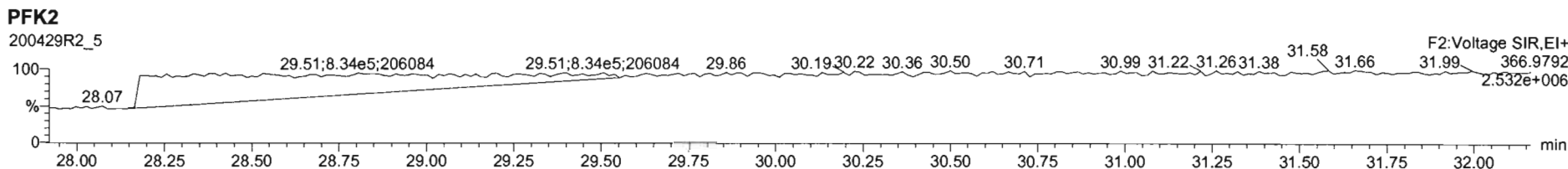
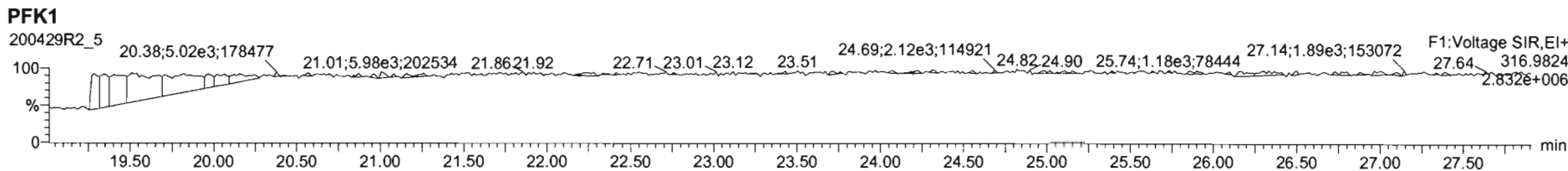
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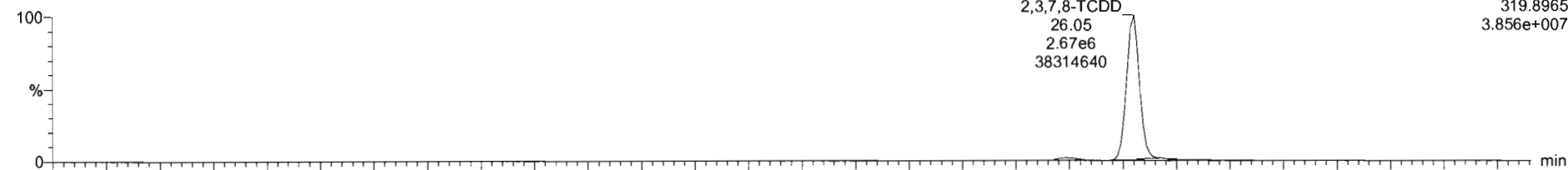
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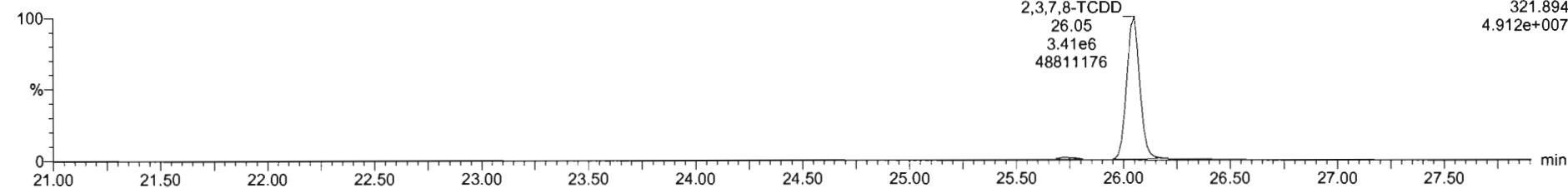
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2,3,7,8-TCDD

200429R2_6

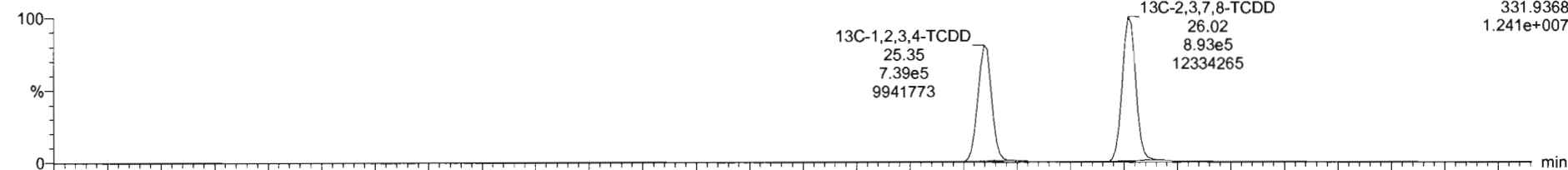


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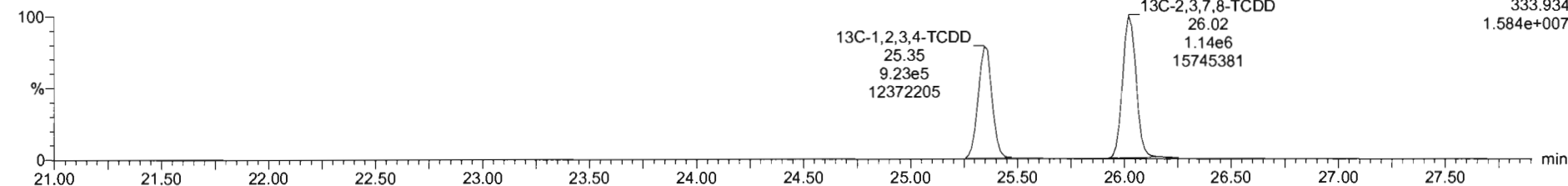


13C-2,3,7,8-TCDD

200429R2_6



200429R2_6



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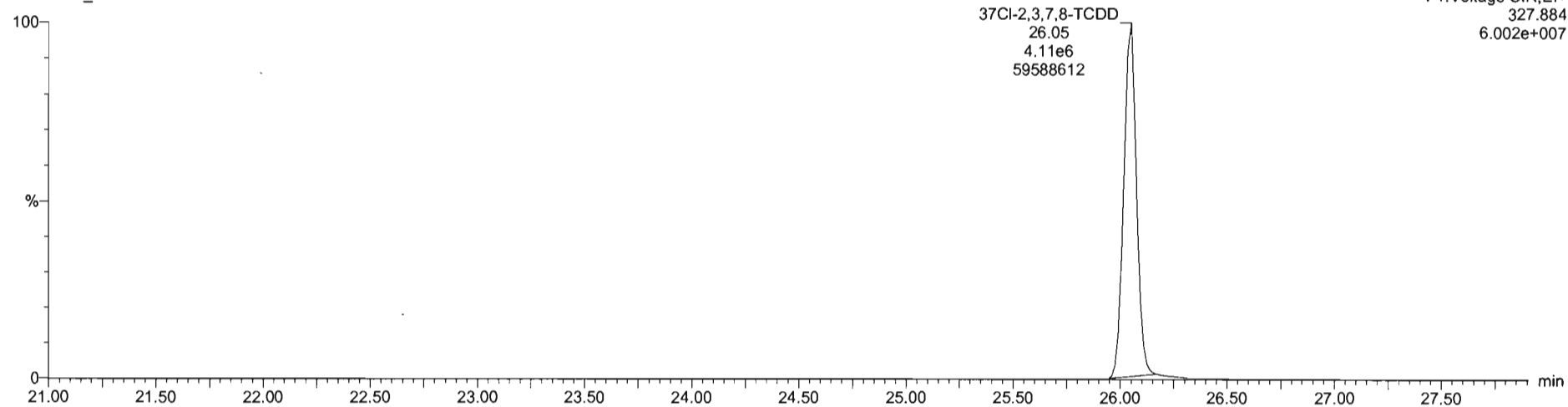
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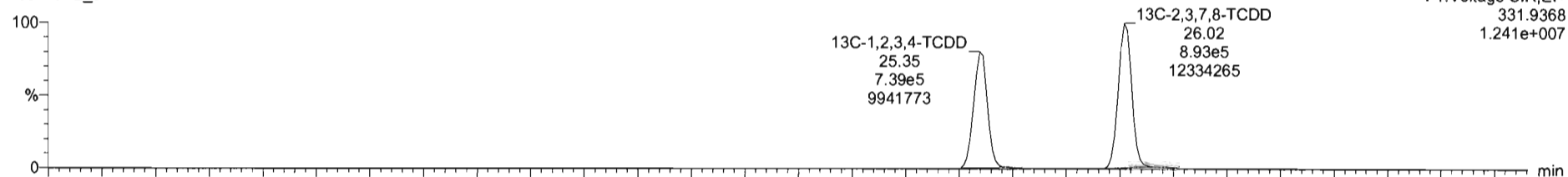
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200429R2_6

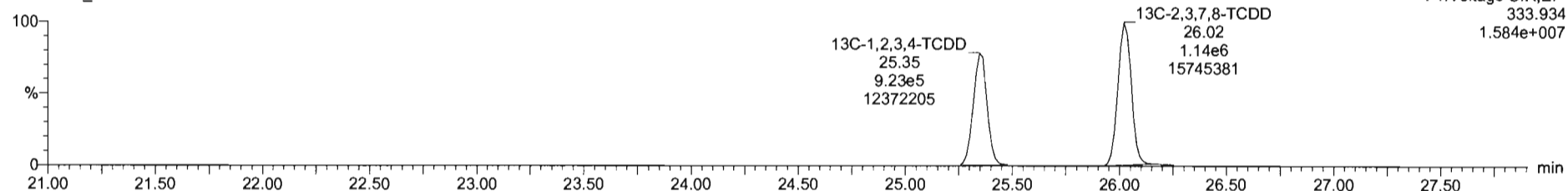


13C-1,2,3,4-TCDD

200429R2_6



200429R2_6



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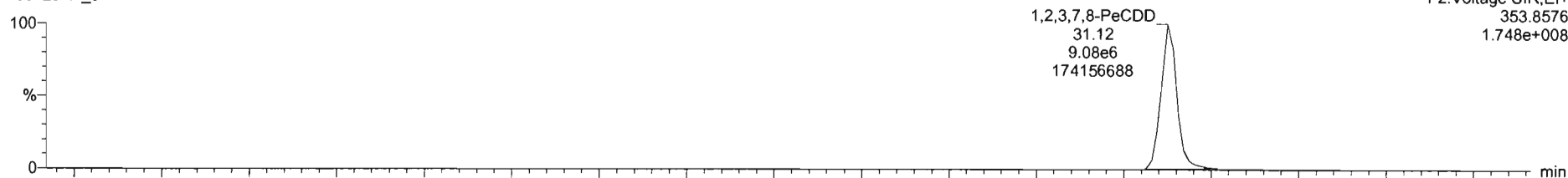
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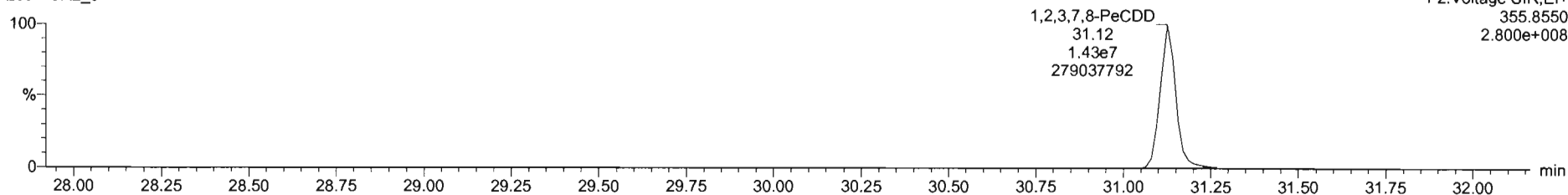
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1,2,3,7,8-PeCDD

200429R2_6

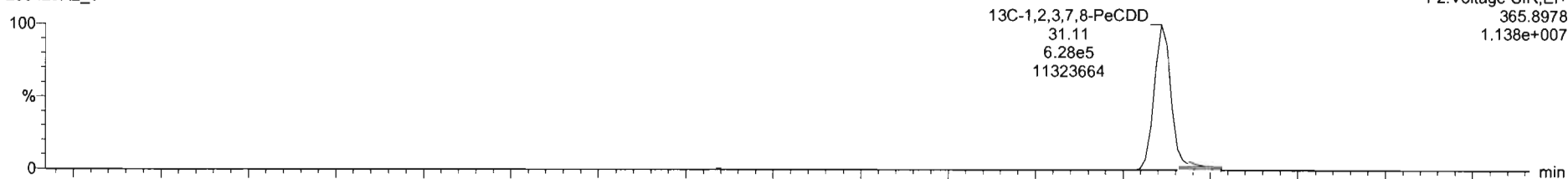


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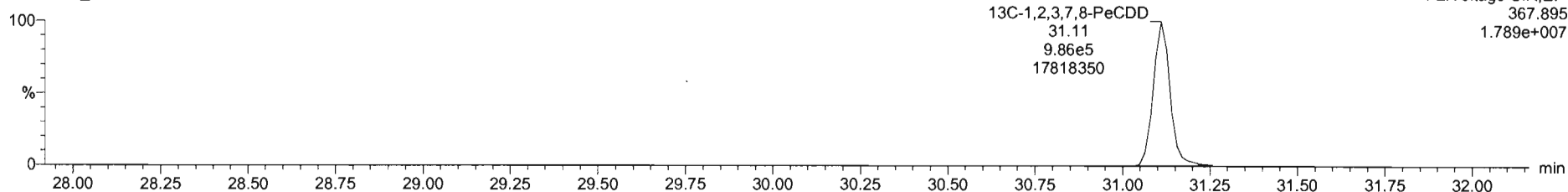


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200429R2_6



200429R2_6



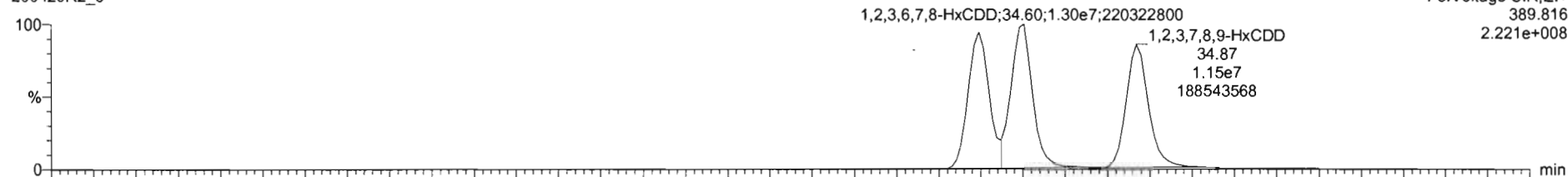
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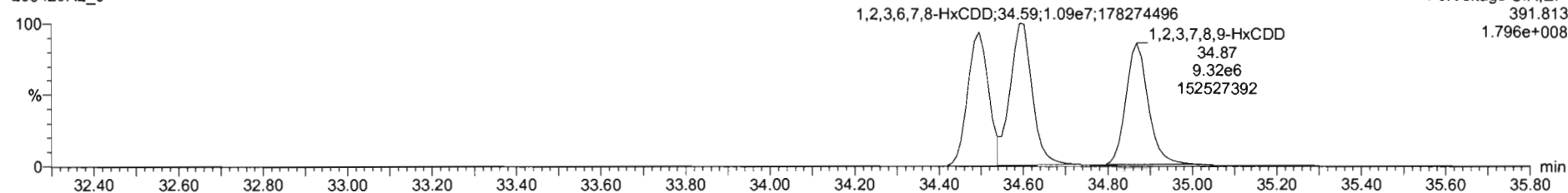
1,2,3,4,7,8-HxCDD

200429R2_6



F3:Voltage SIR,EI+
389.816
2.221e+008

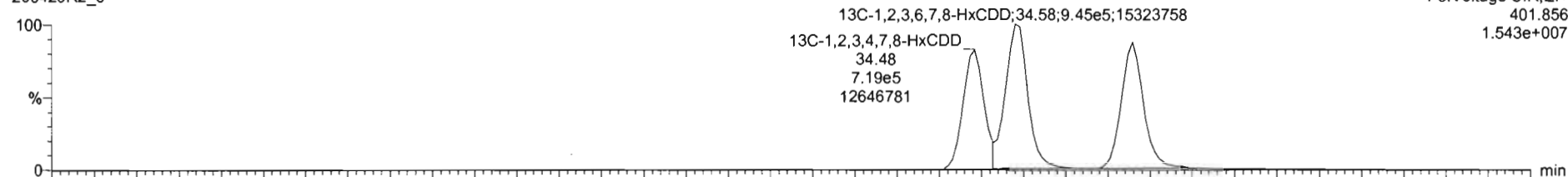
200429R2_6



F3:Voltage SIR,EI+
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1.796e+008

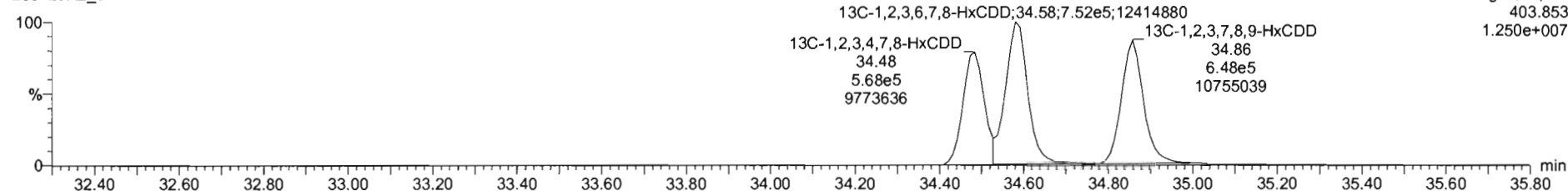
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200429R2_6



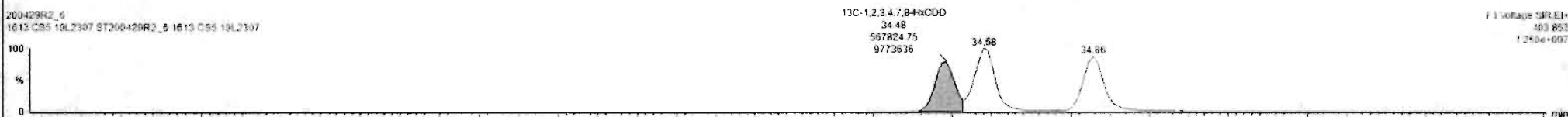
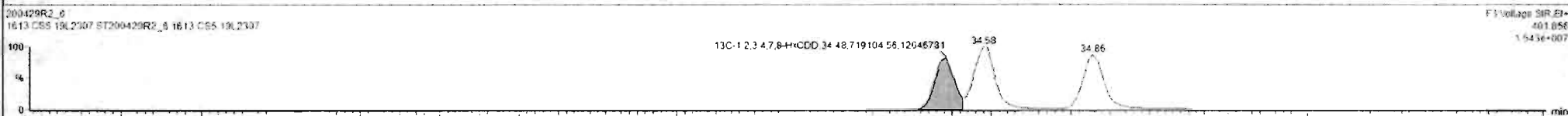
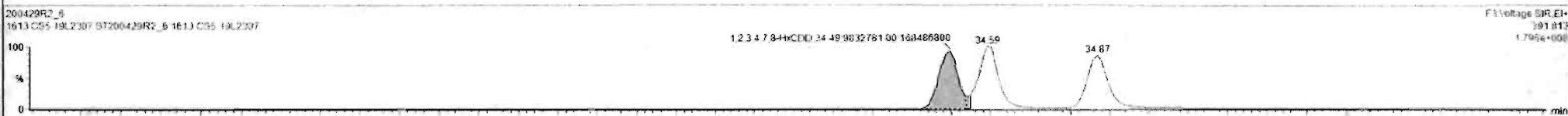
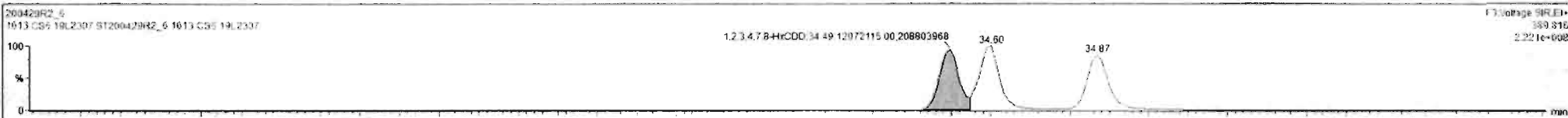
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1.543e+007

200429R2_6



F3:Voltage SIR,EI+
403.853
1.250e+007

#	Name	RT	RA	yh	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.784	NO	6.0624e6	2.0310e6	300.000	5.4	5.35	0.947	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.942	0.0516
3	1,2,3,4,7,8-HxCDD	34.48	1.228	NO	2.1905e7	1.2269e6	1000.000	6.6	6.62	1.08	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3486e7	1.6975e6	1500.000	0.9	6.53	0.915	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.213	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0699
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1280e6	1500.000	5.6	8.92	0.956	0.0622
7	OCDD	41.34	0.887	NO	3.3871e7	2.3135e6	2000.000	4.8	7.57	0.633	0.0707
8	2,3,7,8-TCDF	25.05	0.753	NO	7.1946e6	2.9106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.51	1.560	NO	3.5628e7	2.5822e6	1500.000	1.5	5.86	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.81	1.542	NO	3.6618e7	2.5077e6	1500.000	0.7	4.98	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.83	1.189	NO	2.3482e7	1.7670e6	1500.000	4.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.69	0.922	0.0705
14	1,2,3,7,8,9-HxCDF	35.21	1.196	NO	1.9813e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.8927e7	1.3725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.94	0.991	NO	1.4705e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.867	NO	2.3638e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575

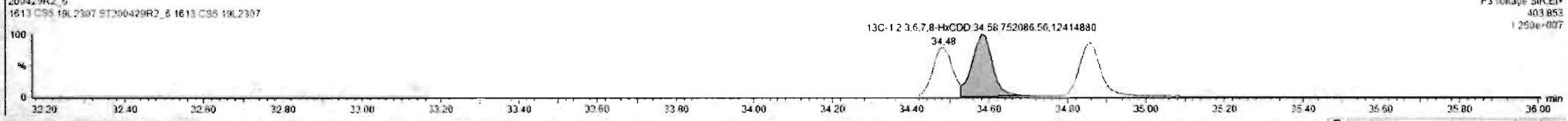
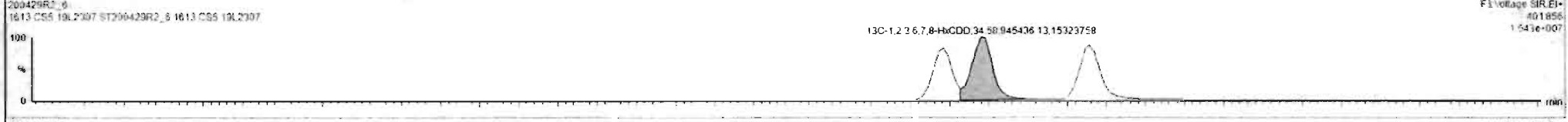
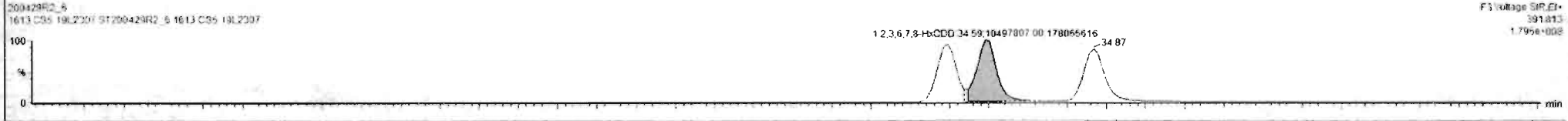


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200429R2_6 CAP NUM

200429R2_8 ST200429R2_1 13 CS5 19L2307 - 1613 CS5 19L2307

#	Name	RT	RA	yht	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
1	1,2,3,7,8-TCDD	26.95	0.764	NO	6.0624e6	2.0310e6	300.000	5.4	5.35	0.947	0.9507
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.942	0.9519
3	1,2,3,4,7,8-HxCDD	34.49	1.228	NO	2.1905e7	1.2669e6	1500.000	6.6	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3489e7	1.6075e6	1500.000	0.8	6.53	0.915	0.0592
5	1,2,3,7,8,9-HxCDD	34.67	1.233	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0690
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1360e6	1500.000	5.6	6.93	0.896	0.0622
7	OCDD	41.34	0.887	NO	3.3271e7	2.3135e6	3000.000	4.8	7.57	0.933	0.0707
8	1,2,7,8-TCDF	25.05	0.753	NO	7.1948e6	2.5106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.560	NO	3.5938e7	2.5822e6	1500.000	1.5	5.86	0.910	0.0533
10	1,2,3,4,7,8-HxCDF	30.81	1.542	NO	3.6618e7	3.5077e6	1500.000	0.7	4.96	0.966	0.0481
11	1,2,3,4,7,8-HxCDF	33.63	1.190	NO	2.3482e7	1.7070e6	1500.000	4.4	7.59	0.878	0.0566
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	1,2,3,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.69	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.196	NO	1.9613e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.6927e7	1.2725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	36.94	0.993	NO	1.4205e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.887	NO	2.3036e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575



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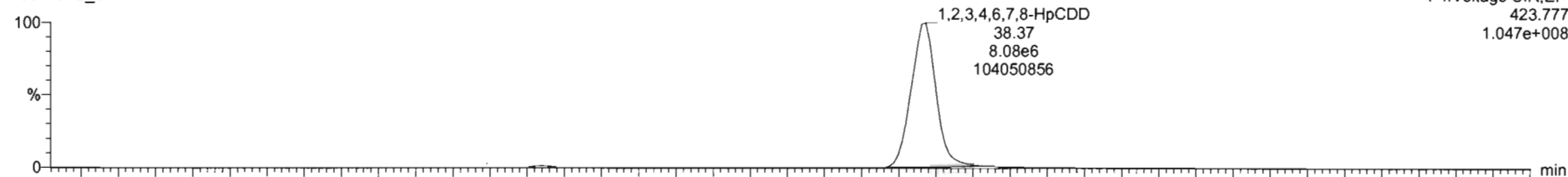
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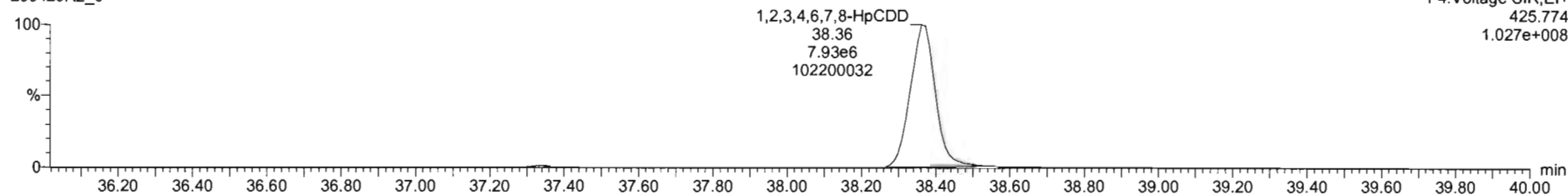
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1,2,3,4,6,7,8-HpCDD

200429R2_6

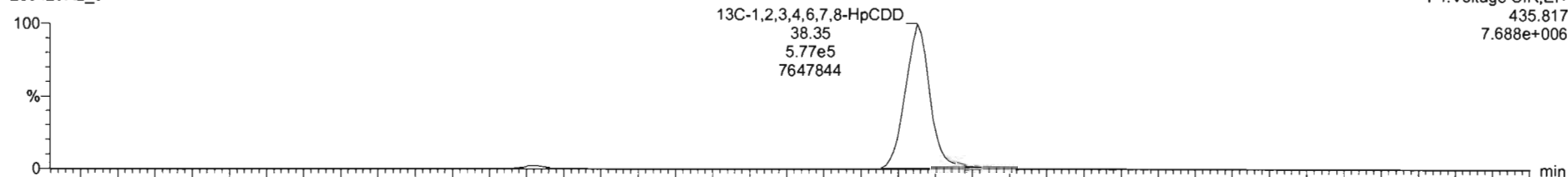


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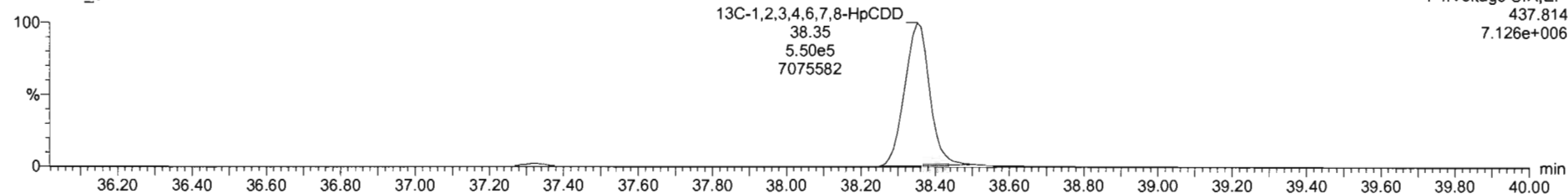


13C-1,2,3,4,6,7,8-HpCDD

200429R2_6



200429R2_6



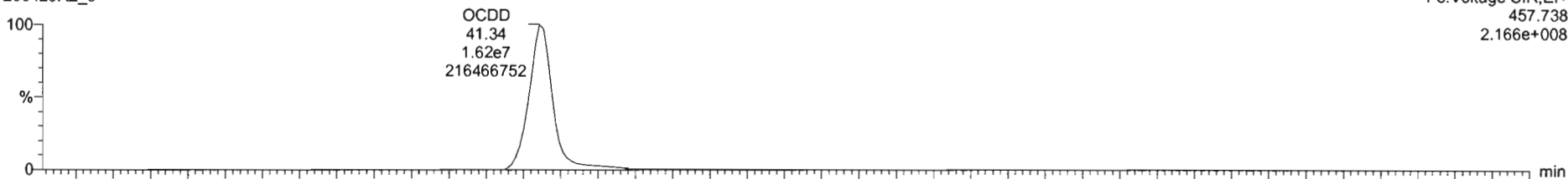
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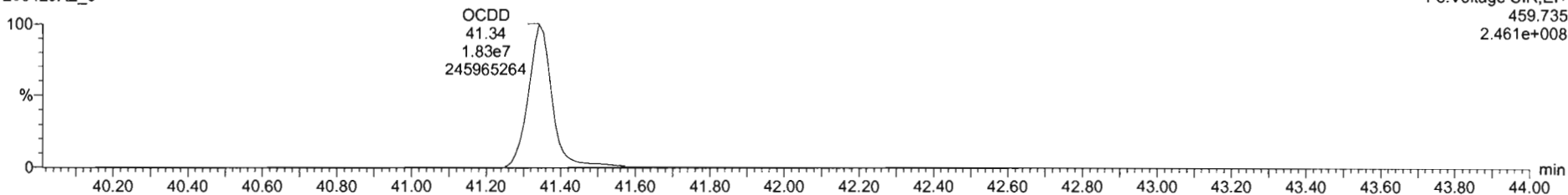
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OCDD

200429R2_6

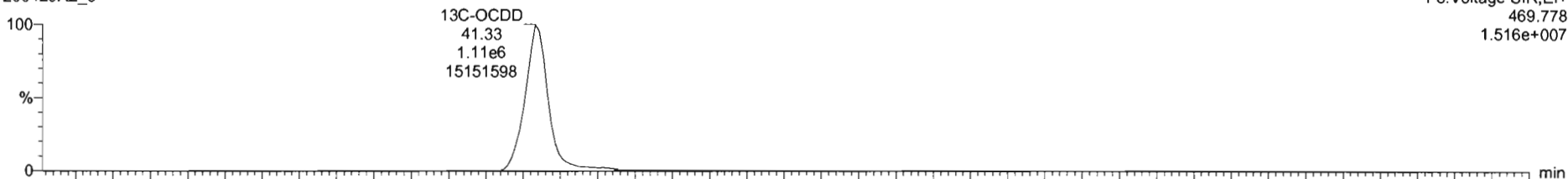


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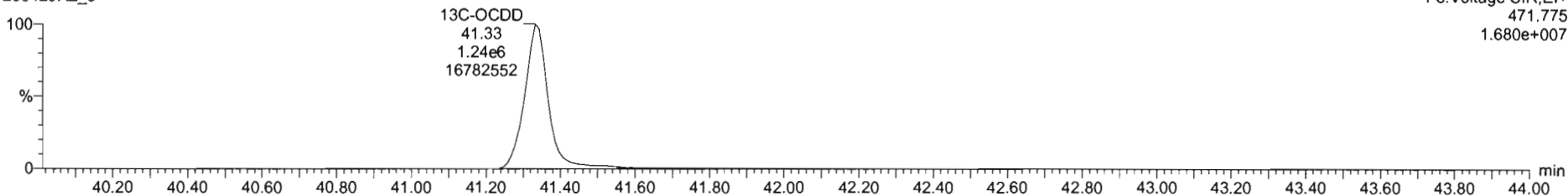


13C-OCDD

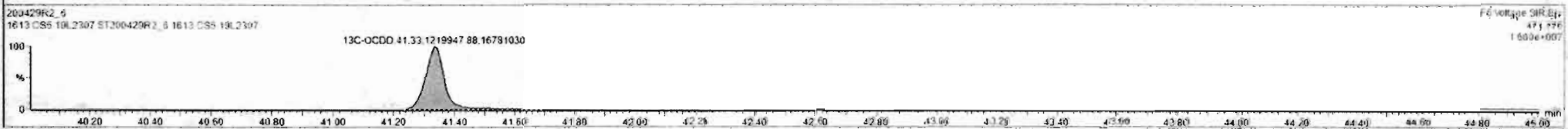
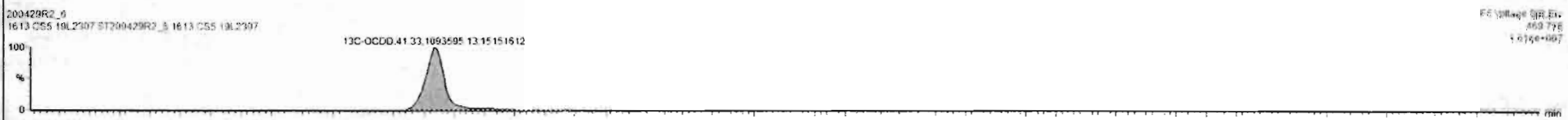
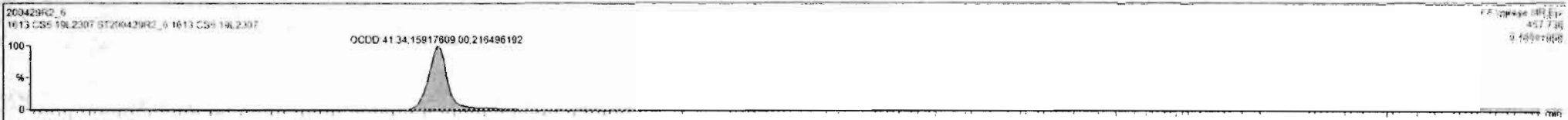
200429R2_6



200429R2_6



#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF U...	RRF SD
1	1,2,3,7,8-TCDD	26.05	0.754	NO	6.0624e6	2.0210e6	300.000	5.4	5.15	0.547	0.0567
2	1,2,3,7,8-PeCDD	31.13	0.634	NO	2.3414e7	1.6142e6	1500.000	2.6	5.51	0.642	0.0519
3	1,2,3,4,7,8-HxCDD	34.43	1.220	NO	2.1905e7	1.2869e6	1500.000	6.6	6.62	1.06	0.0704
4	1,2,3,6,7,8-HxCDD	34.60	1.237	NO	2.3486e7	1.6975e6	1500.000	0.9	6.53	0.916	0.0597
5	1,2,3,7,8,9-HxCDD	34.87	1.233	NO	2.0602e7	1.4580e6	1500.000	4.0	7.64	0.915	0.0659
6	1,2,3,4,6,7,8-HpCDD	36.37	1.019	NO	1.6010e7	1.1260e6	1500.000	5.6	6.93	0.656	0.0422
7	OCDD	41.34	0.697	NO	3.3671e7	2.3135e6	3000.000	4.6	7.57	0.933	0.0767
8	0,2,2,7,8-TCDF	25.09	0.753	NO	7.1646e6	2.9106e6	300.000	4.7	5.11	0.767	0.0402
9	1,2,3,7,8-PeCDF	29.81	1.560	NO	3.5528e7	2.5822e6	1500.000	1.9	5.66	0.910	0.0533
10	2,3,4,7,8-PeCDF	30.81	1.542	NO	3.6618e7	2.5077e6	1500.000	0.7	4.85	0.966	0.0461
11	1,2,3,4,7,8-HxCDF	33.83	1.190	NO	2.3482e7	1.7070e6	1500.000	4.4	7.59	0.878	0.0666
12	1,2,3,6,7,8-HxCDF	33.75	1.189	NO	2.5241e7	1.9123e6	1500.000	0.7	7.23	0.874	0.0632
13	2,3,4,6,7,8-HxCDF	34.33	1.190	NO	2.4775e7	1.7418e6	1500.000	2.9	7.60	0.922	0.0709
14	1,2,3,7,8,9-HxCDF	35.21	1.195	NO	1.9613e7	1.4696e6	1500.000	4.0	5.96	0.864	0.0517
15	1,2,3,4,6,7,8-HpCDF	36.96	0.992	NO	1.8627e7	1.3725e6	1500.000	5.5	7.54	0.871	0.0657
16	1,2,3,4,7,8,9-HpCDF	38.54	0.993	NO	1.4305e7	8.6492e5	1500.000	6.5	6.62	1.01	0.0670
17	OCDF	41.52	0.667	NO	3.3036e7	2.6295e6	3000.000	4.4	7.16	0.802	0.0575



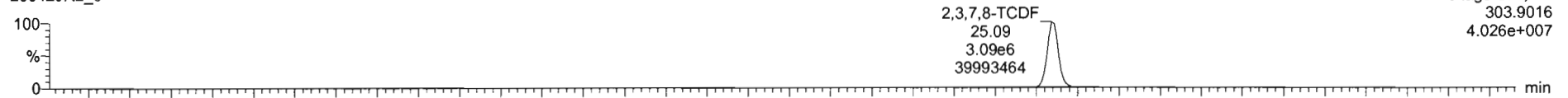
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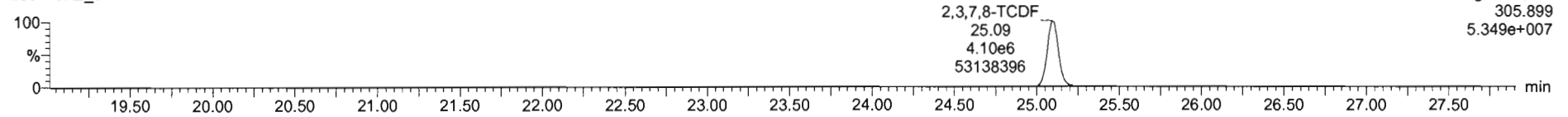
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2,3,7,8-TCDF

200429R2_6

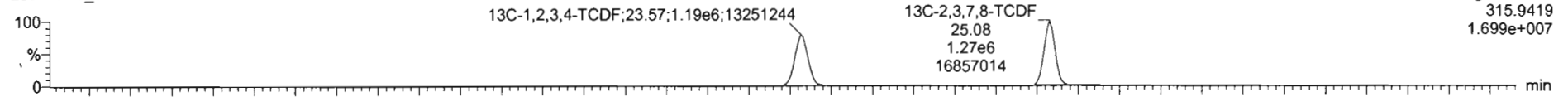


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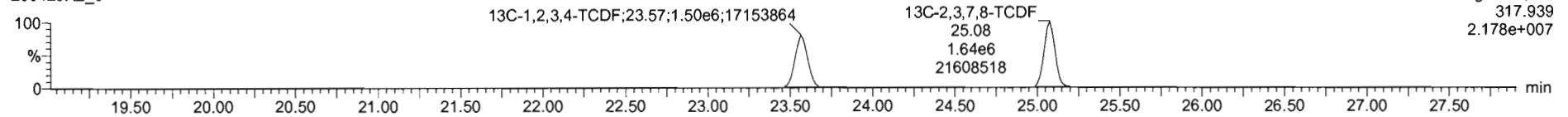


13C-2,3,7,8-TCDF

200429R2_6

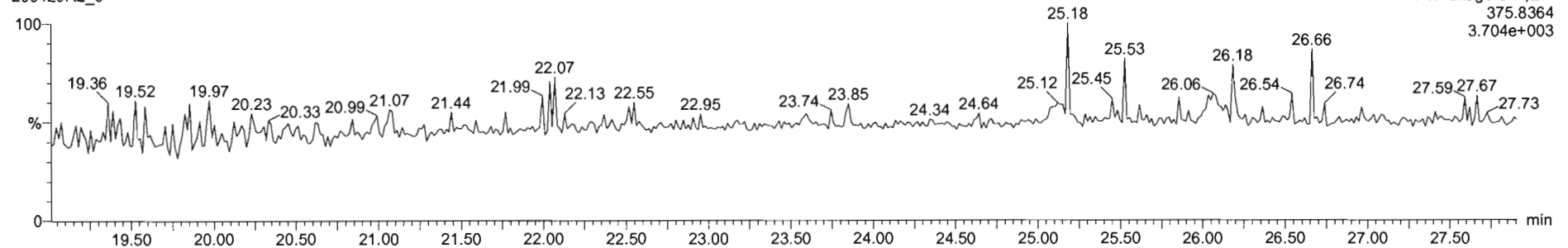


200429R2_6



DPE1

200429R2_6



Dataset: Untitled

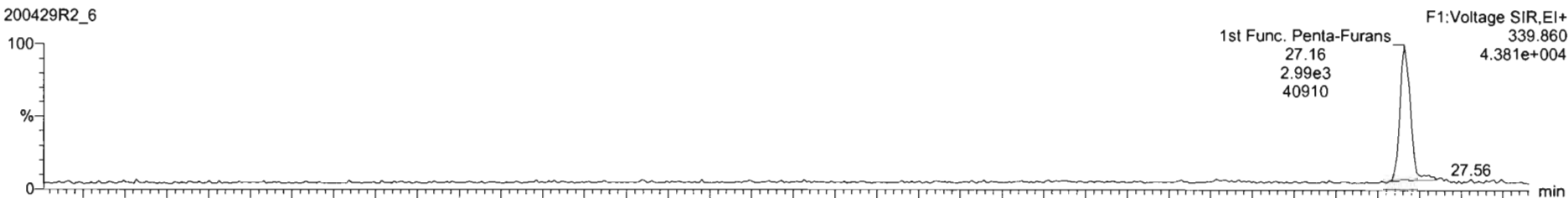
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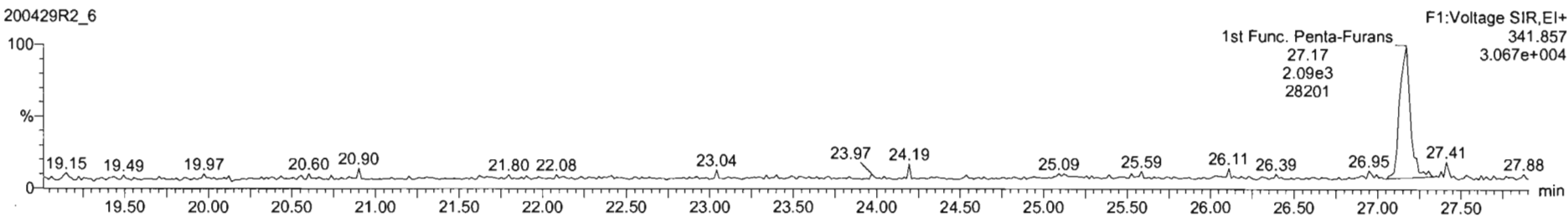
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1st Func. Penta-Furans

200429R2_6

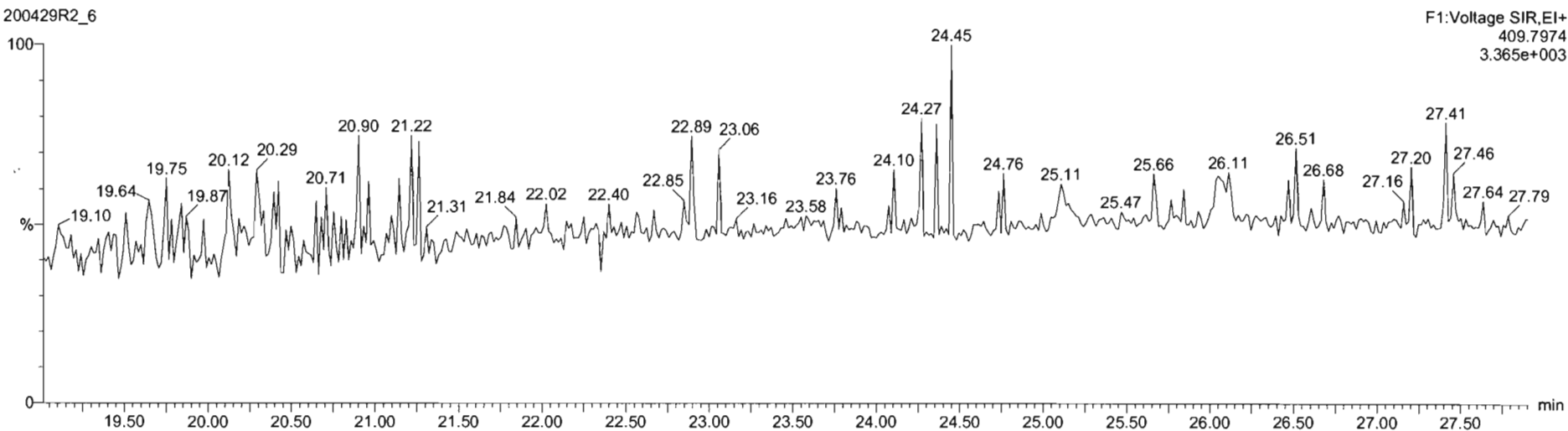


200429R2_6



DPE6

200429R2_6



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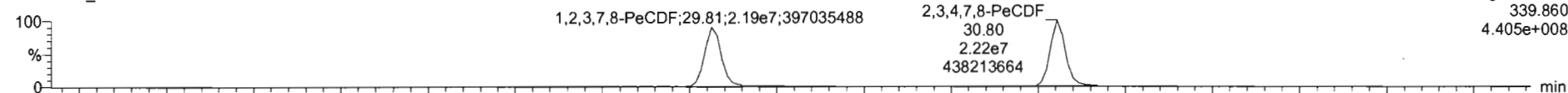
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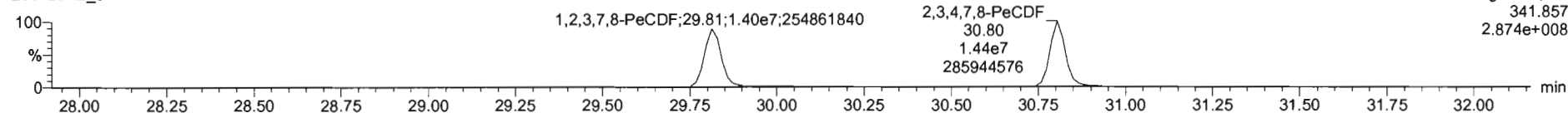
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1,2,3,7,8-PeCDF

200429R2_6

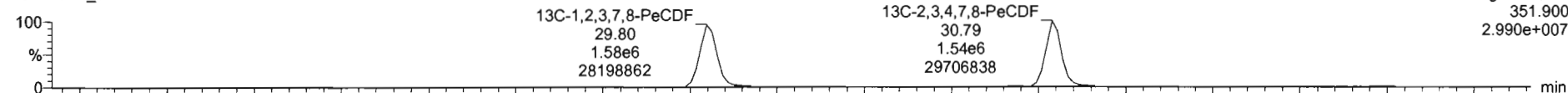


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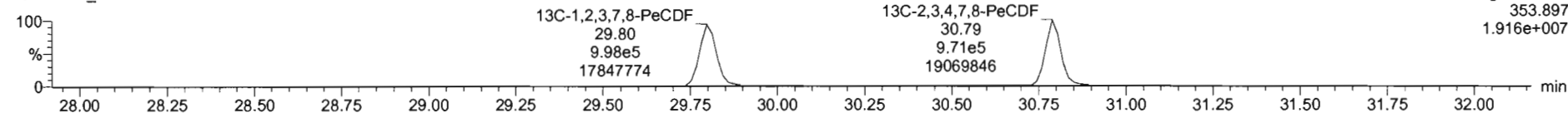


13C-1,2,3,7,8-PeCDF

200429R2_6

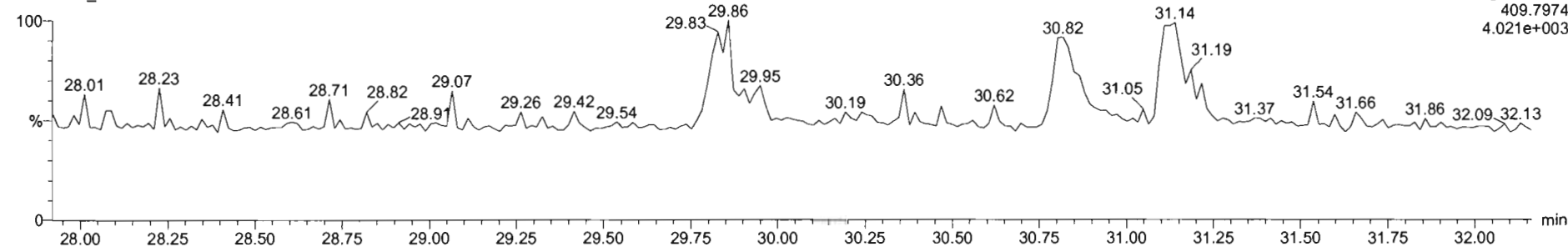


200429R2_6



DPE2

200429R2_6



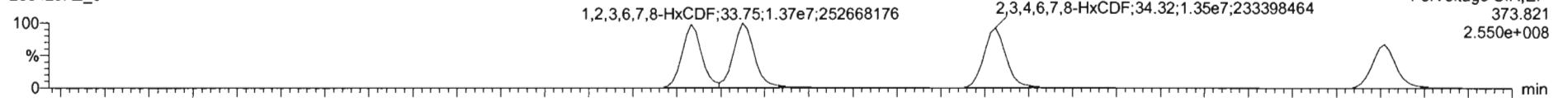
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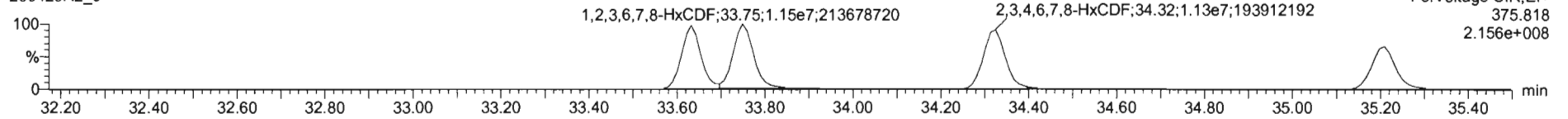
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1,2,3,4,7,8-HxCDF

200429R2_6

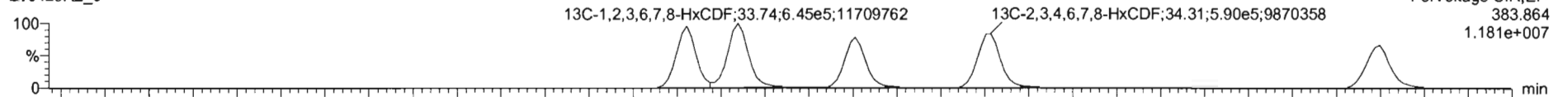


200429R2_6

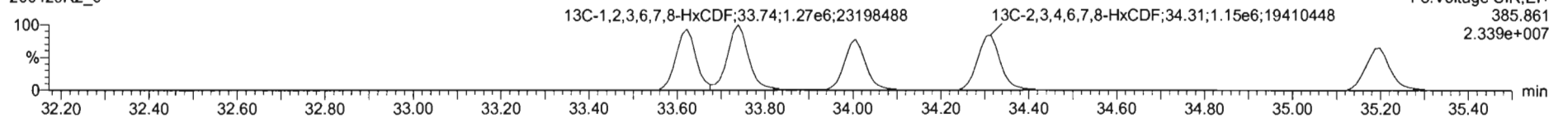


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200429R2_6

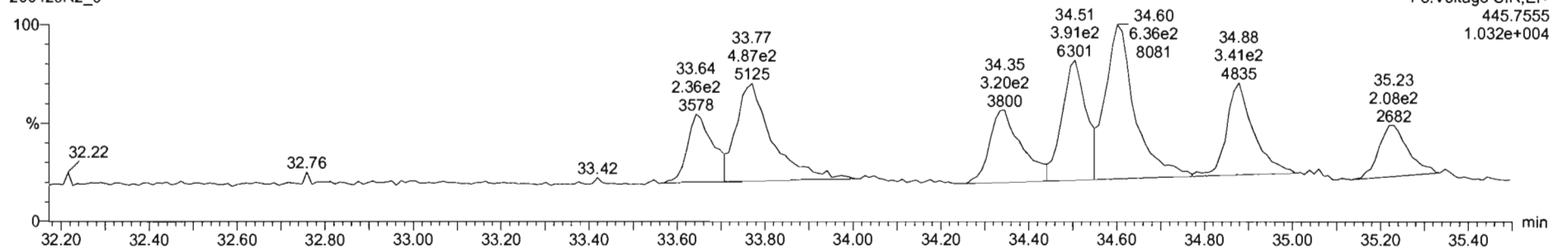


200429R2_6



DPE3

200429R2_6



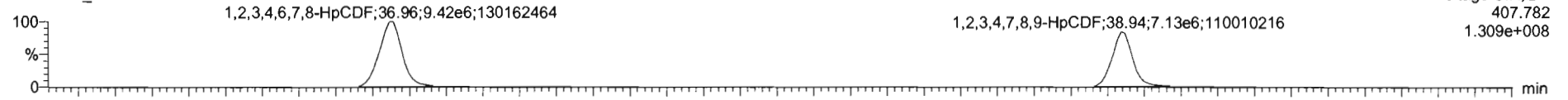
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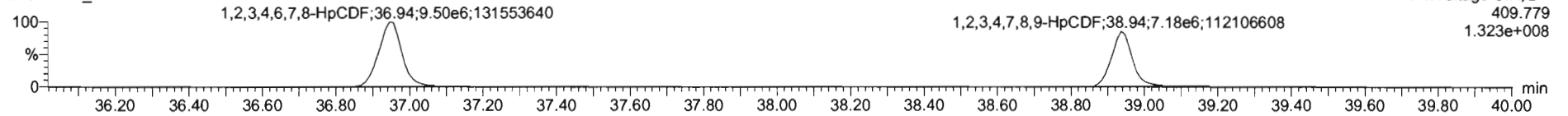
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1,2,3,4,6,7,8-HpCDF

200429R2_6

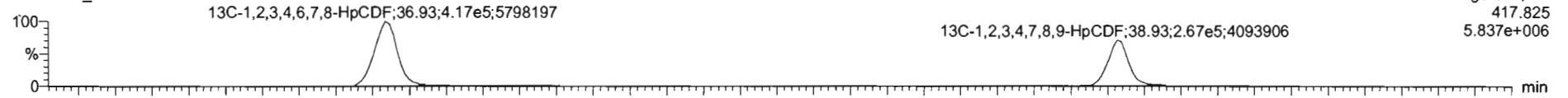


200429R2_6

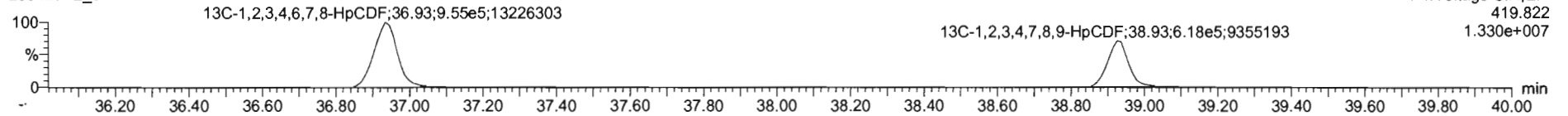


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200429R2_6

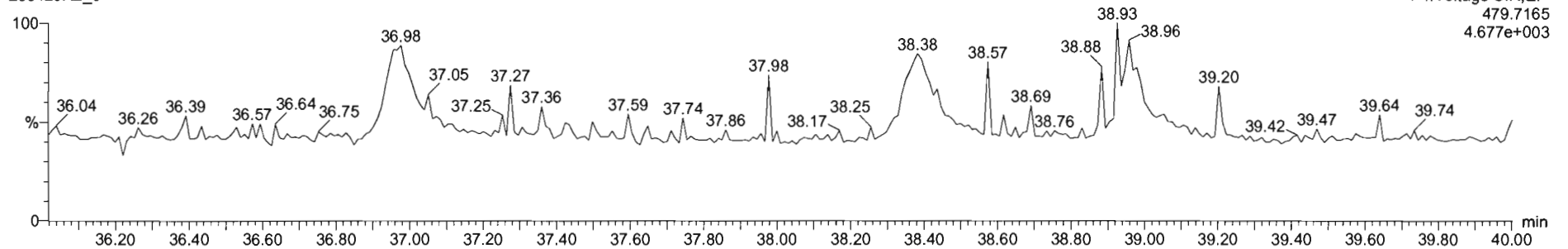


200429R2_6



DPE4

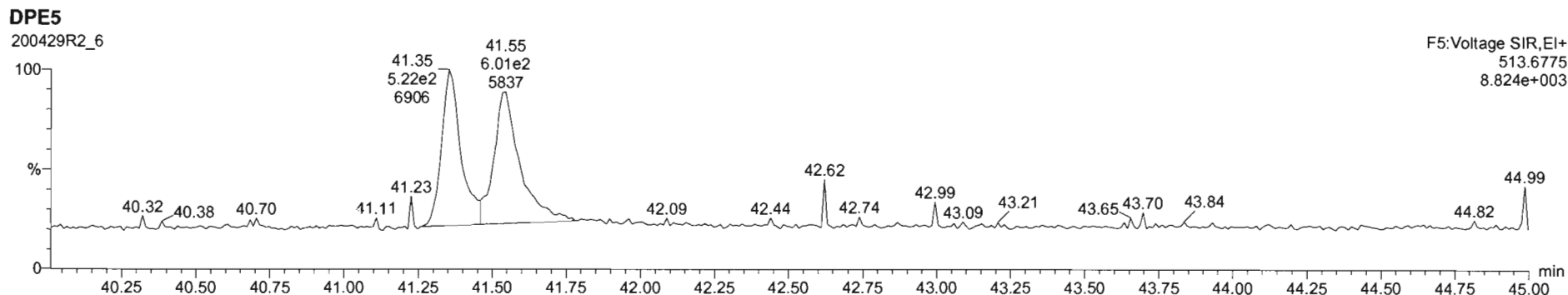
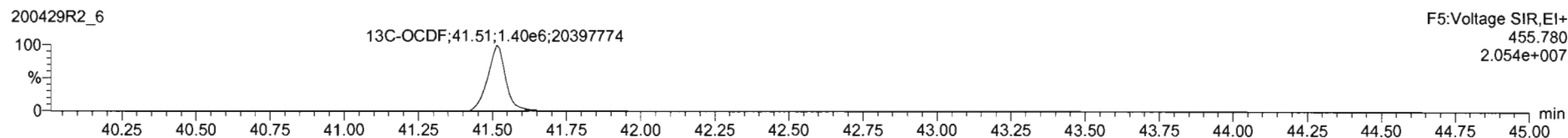
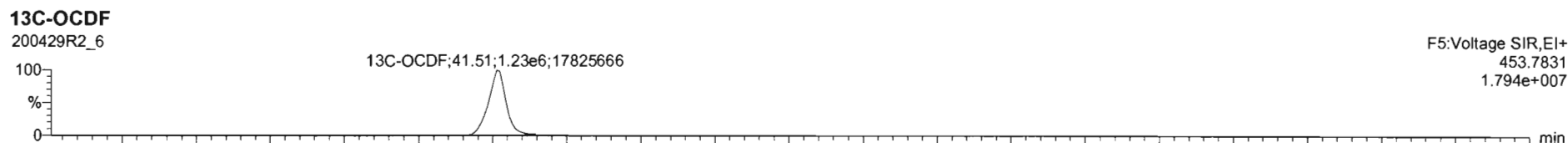
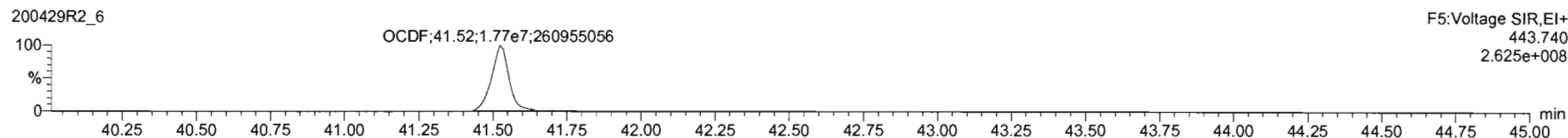
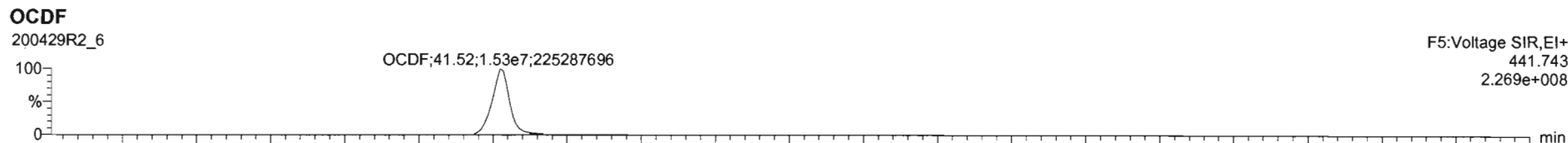
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Name: 200429R2_6, Date: 29-Apr-2020, Time: 17:23:21, ID: ST200429R2_6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

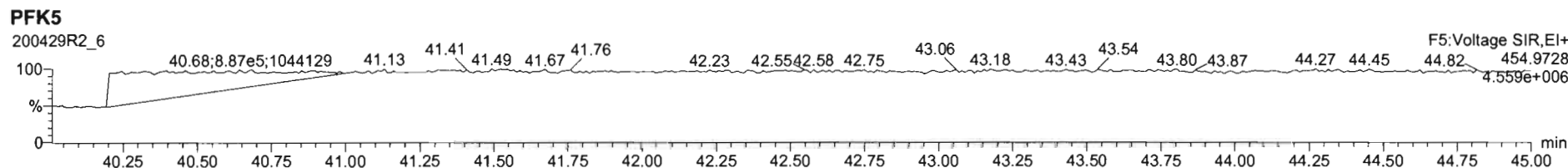
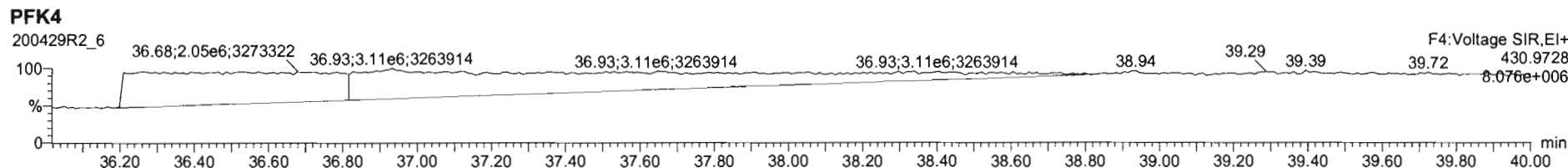
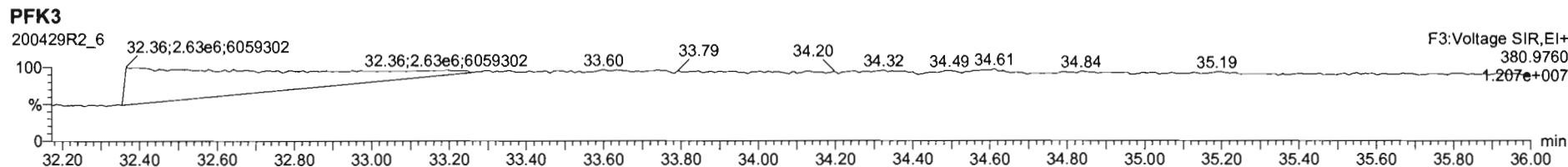
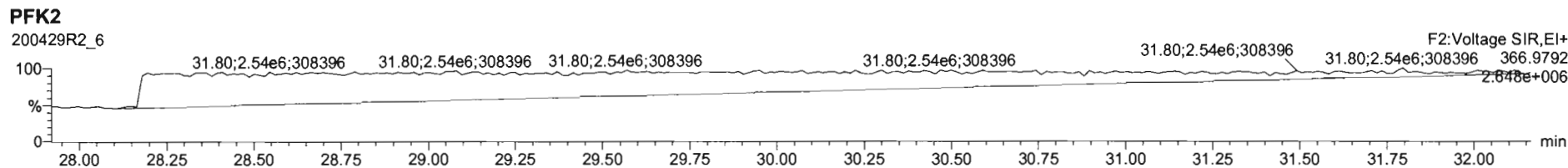
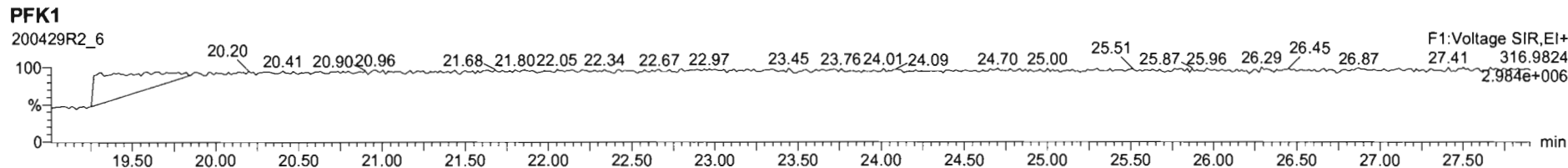


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Printed: Thursday, April 30, 2020 7:55:15 AM Pacific Daylight Time

Name: 200429R2_6, Date: 29-Apr-2020, Time: 17:23:21, ID: ST200429R2_6 1613 CS5 19L2307, Description: 1613 CS5 19L2307



Dataset: U:\VG12.PRO\Results\200429R2\200429R2-8.qld

Last Altered: Thursday, April 30, 2020 8:35:25 AM Pacific Daylight Time

Printed: Thursday, April 30, 2020 8:36:35 AM Pacific Daylight Time

GRB 04/30/2020

CT 04/30/2020

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

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

Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.63e5	0.76	NO	0.947	1.000	26.081	26.07	1.001	1.001	11.205	112	0.0427	11.2
2	2 1,2,3,7,8-PeCDD	5.70e5	0.63	NO	0.942	1.000	31.147	31.14	1.001	1.000	56.141	112	0.0577	56.1
3	3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.06	1.000	34.505	34.51	1.000	1.000	58.046	116	0.102	58.0
4	4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.915	1.000	34.591	34.61	1.000	1.001	57.430	115	0.105	57.4
5	5 1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.915	1.000	34.878	34.88	1.000	1.000	58.193	116	0.120	58.2
6	6 1,2,3,4,6,7,8-HpCDD	3.49e5	1.04	NO	0.898	1.000	38.373	38.38	1.000	1.001	56.727	113	0.145	56.7
7	7 OCDD	6.53e5	0.88	NO	0.933	1.000	41.343	41.35	1.000	1.000	116.94	117	0.107	117
8	8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.787	1.000	25.117	25.12	1.001	1.001	11.247	112	0.0306	11.2
9	9 1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.910	1.000	29.834	29.83	1.001	1.001	55.836	112	0.0810	55.8
10	10 2,3,4,7,8-PeCDF	1.00e6	1.53	NO	0.966	1.000	30.836	30.82	1.001	1.000	60.816	122	0.0765	60.8
11	11 1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.878	1.000	33.632	33.64	1.000	1.000	55.918	112	0.109	55.9
12	12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.874	1.000	33.760	33.76	1.000	1.000	56.451	113	0.107	56.5
13	13 2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.922	1.000	34.359	34.33	1.001	1.000	56.186	112	0.118	56.2
14	14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.864	1.000	35.209	35.22	1.000	1.000	55.290	111	0.162	55.3
15	15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.871	1.000	36.982	36.97	1.001	1.001	54.863	110	0.153	54.9
16	16 1,2,3,4,7,8,9-HpCDF	2.99e5	0.98	NO	1.01	1.000	38.947	38.95	1.000	1.000	57.162	114	0.204	57.2
17	17 OCDF	6.13e5	0.86	NO	0.802	1.000	41.525	41.53	1.000	1.000	115.17	115	0.126	115
18	18 13C-2,3,7,8-TCDD	1.53e6	0.79	NO	1.16	1.000	26.046	26.05	1.026	1.027	91.114	91.1	0.0954	
19	19 13C-1,2,3,7,8-PeCDD	1.08e6	0.64	NO	0.847	1.000	31.141	31.13	1.227	1.227	87.564	87.6	0.0958	
20	20 13C-1,2,3,4,7,8-HxCDD	7.95e5	1.29	NO	0.750	1.000	34.496	34.49	1.014	1.014	88.379	88.4	0.183	
21	21 13C-1,2,3,6,7,8-HxCDD	1.03e6	1.29	NO	0.963	1.000	34.608	34.59	1.017	1.017	89.585	89.6	0.142	
22	22 13C-1,2,3,7,8,9-HxCDD	8.98e5	1.26	NO	0.838	1.000	34.877	34.87	1.025	1.025	89.402	89.4	0.164	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.86e5	1.10	NO	0.641	1.000	38.367	38.36	1.128	1.128	89.184	89.2	0.183	
24	24 13C-OCDD	1.20e6	0.86	NO	0.586	1.000	41.360	41.34	1.216	1.215	170.31	85.2	0.144	
25	25 13C-2,3,7,8-TCDF	2.25e6	0.78	NO	1.03	1.000	25.104	25.09	0.989	0.989	92.189	92.2	0.134	
26	26 13C-1,2,3,7,8-PeCDF	1.77e6	1.60	NO	0.845	1.000	29.829	29.81	1.176	1.175	88.893	88.9	0.195	
27	27 13C-2,3,4,7,8-PeCDF	1.71e6	1.60	NO	0.814	1.000	30.822	30.81	1.215	1.214	88.919	88.9	0.203	
28	28 13C-1,2,3,4,7,8-HxCDF	1.12e6	0.51	NO	1.00	1.000	33.635	33.63	0.989	0.989	93.115	93.1	0.212	
29	29 13C-1,2,3,6,7,8-HxCDF	1.26e6	0.51	NO	1.14	1.000	33.757	33.75	0.992	0.992	92.434	92.4	0.187	
30	30 13C-2,3,4,6,7,8-HxCDF	1.12e6	0.51	NO	1.02	1.000	34.326	34.33	1.009	1.009	91.031	91.0	0.208	
31	31 13C-1,2,3,7,8,9-HxCDF	9.97e5	0.51	NO	0.845	1.000	35.217	35.21	1.035	1.035	98.412	98.4	0.252	

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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	8.59e5	0.43	NO	0.771	1.000	36.948	36.94	1.086	1.086	92.960	93.0	0.284	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.17e5	0.43	NO	0.482	1.000	38.959	38.95	1.145	1.145	89.503	89.5	0.455	
34	34 13C-OCDF	1.33e6	0.88	NO	0.669	1.000	41.530	41.53	1.221	1.221	165.58	82.8	0.146	
35	35 37Cl-2,3,7,8-TCDD	1.58e5			1.10	1.000	26.076	26.07	1.028	1.027	9.8763	98.8	0.0151	
36	36 13C-1,2,3,4-TCDD	1.45e6	0.81	NO	1.00	1.000	25.350	25.38	1.000	1.000	100.00	100	0.111	
37	37 13C-1,2,3,4-TCDF	2.36e6	0.79	NO	1.00	1.000	23.560	23.59	1.000	1.000	100.00	100	0.139	
38	38 13C-1,2,3,4,6,9-HxCDF	1.20e6	0.51	NO	1.00	1.000	34.000	34.02	1.000	1.000	100.00	100	0.213	

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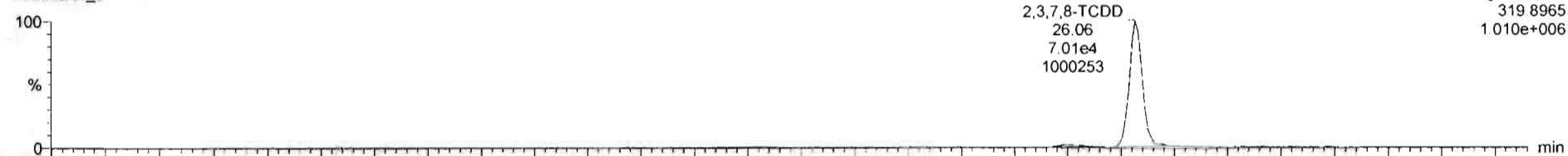
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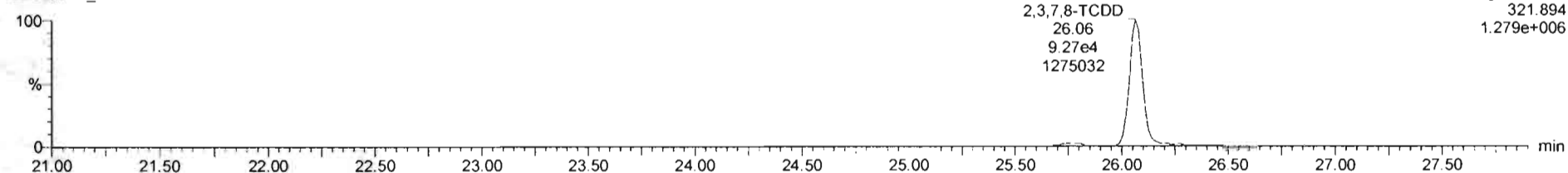
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2,3,7,8-TCDD

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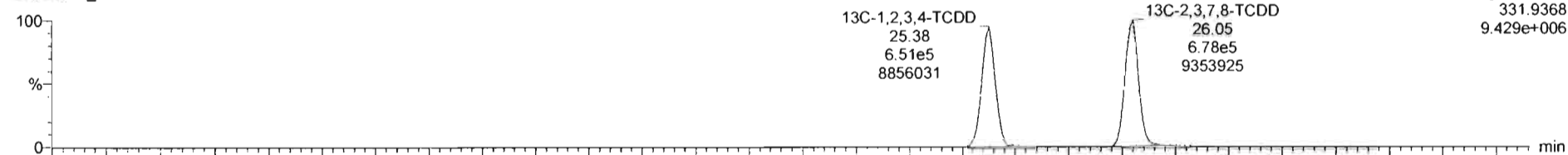


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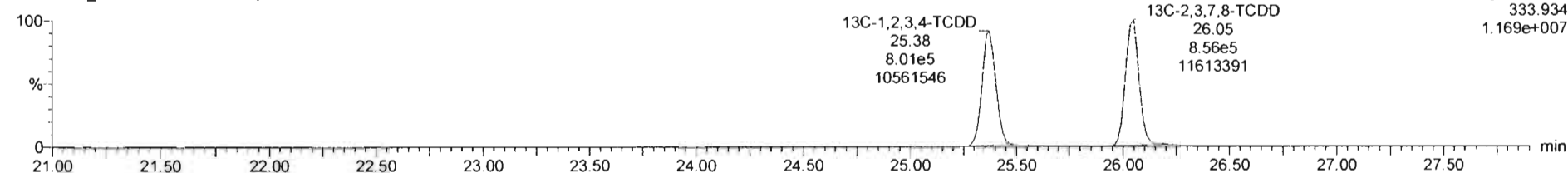


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200429R2_8



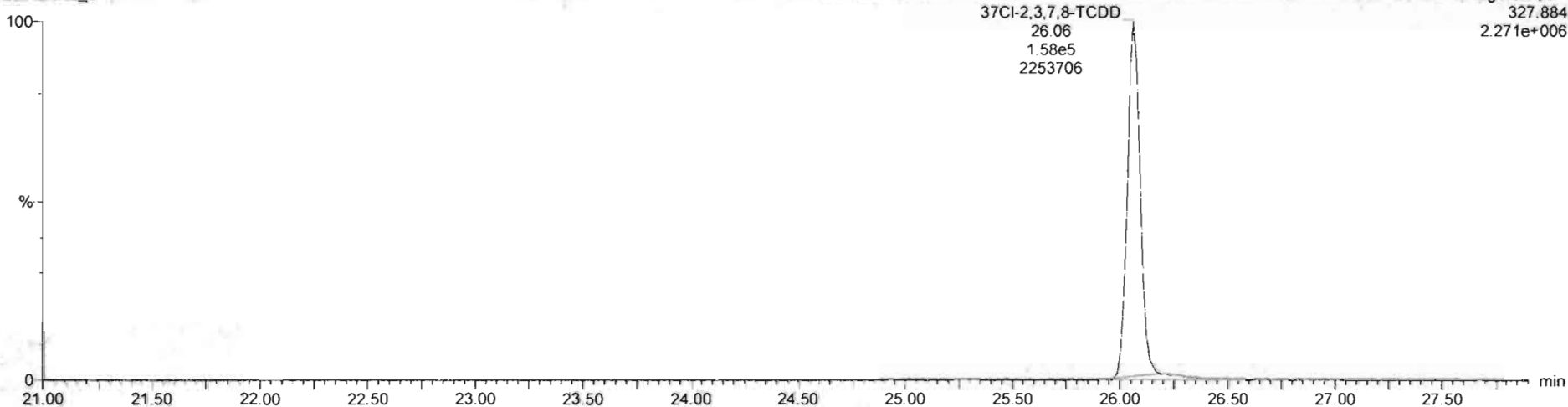
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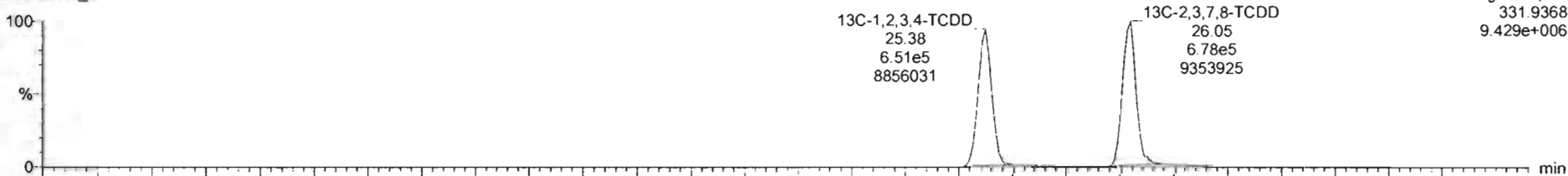
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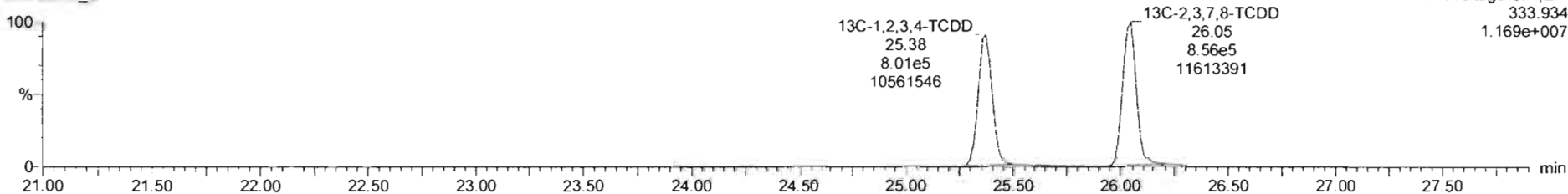


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200429R2_8



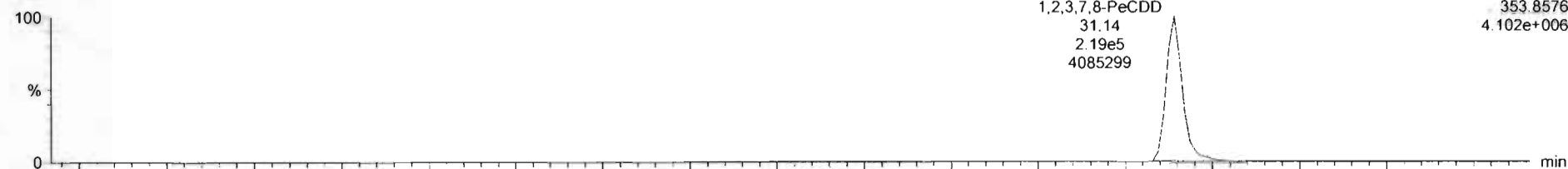
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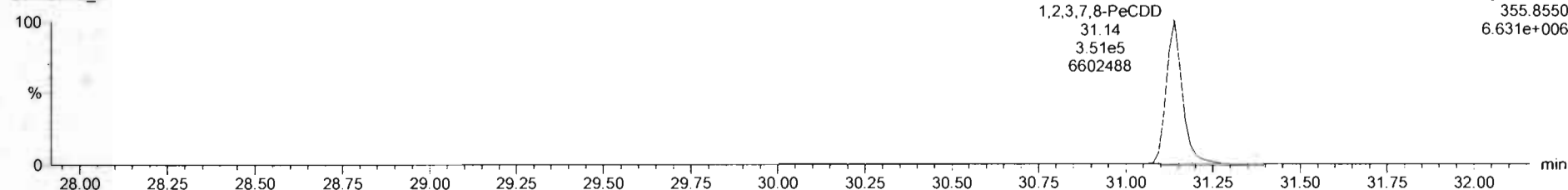
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1,2,3,7,8-PeCDD

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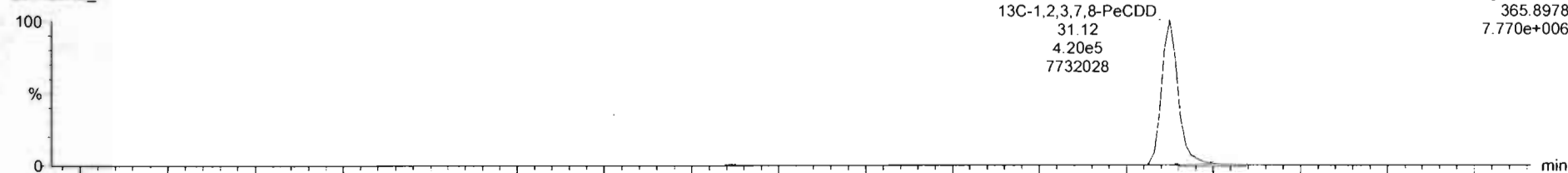


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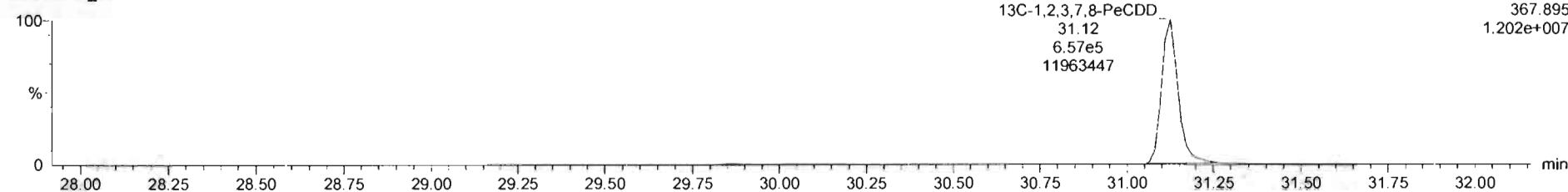


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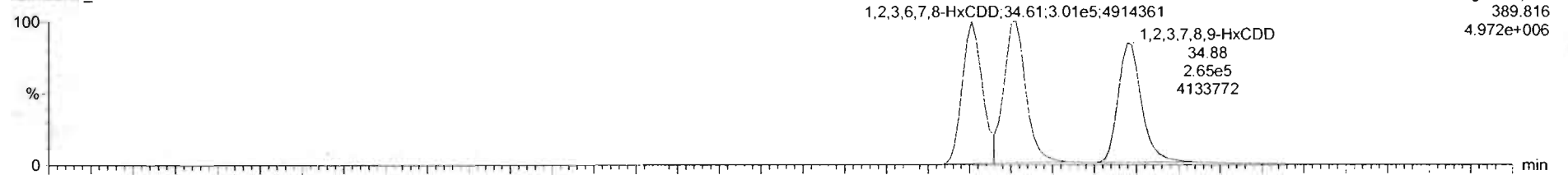
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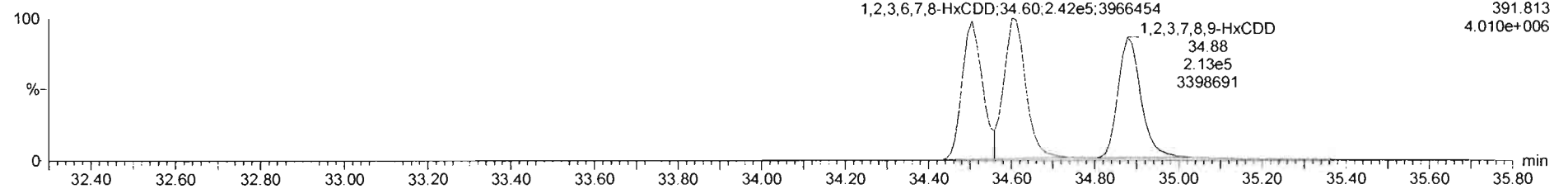
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1,2,3,4,7,8-HxCDD

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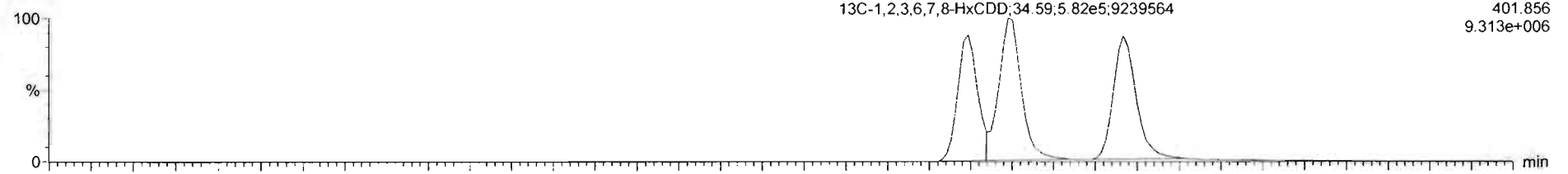


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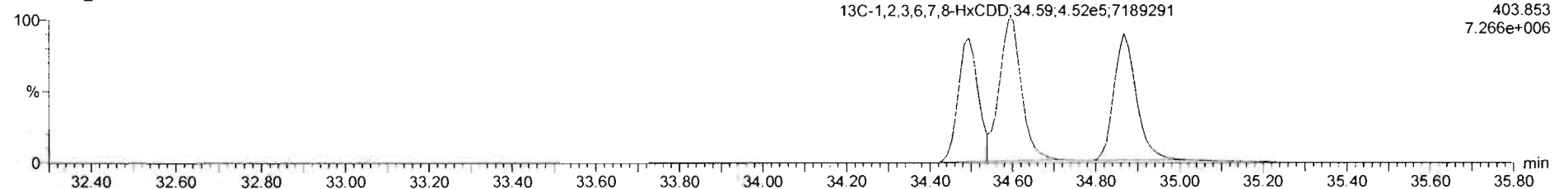


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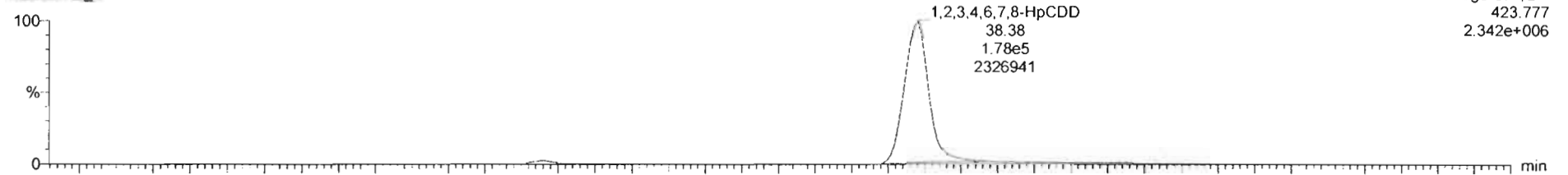
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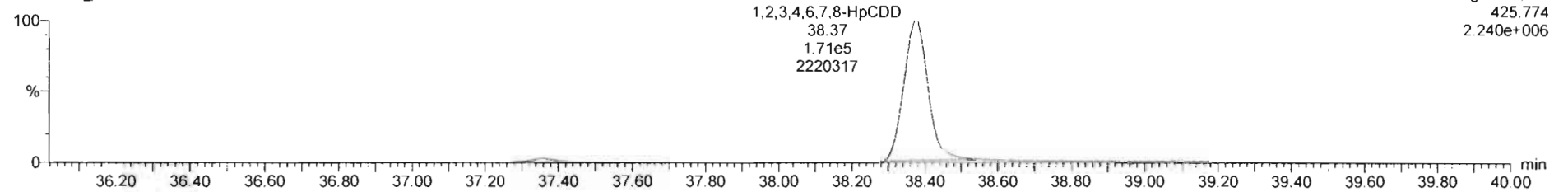
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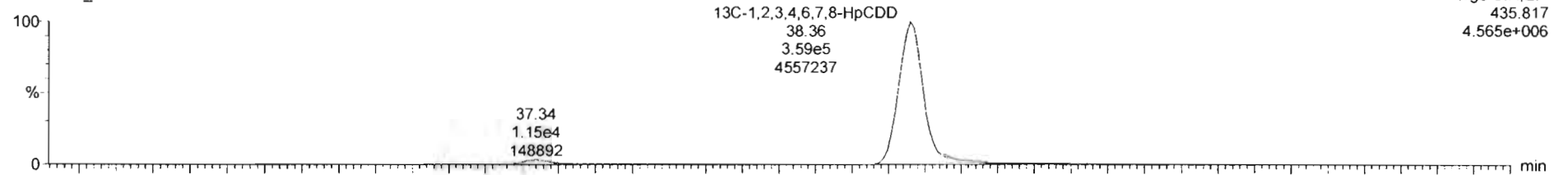


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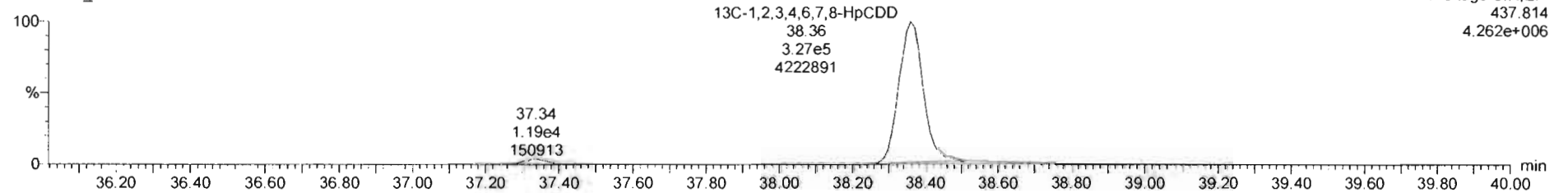


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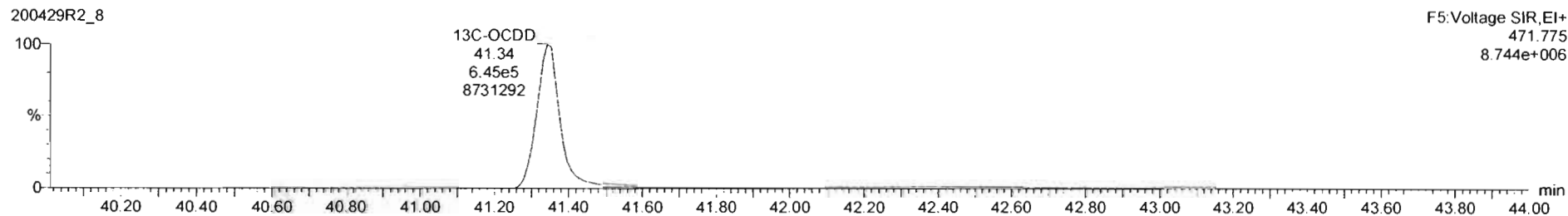
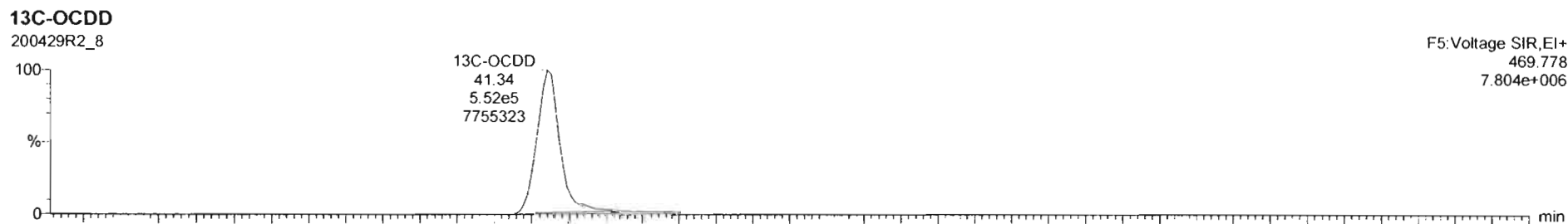
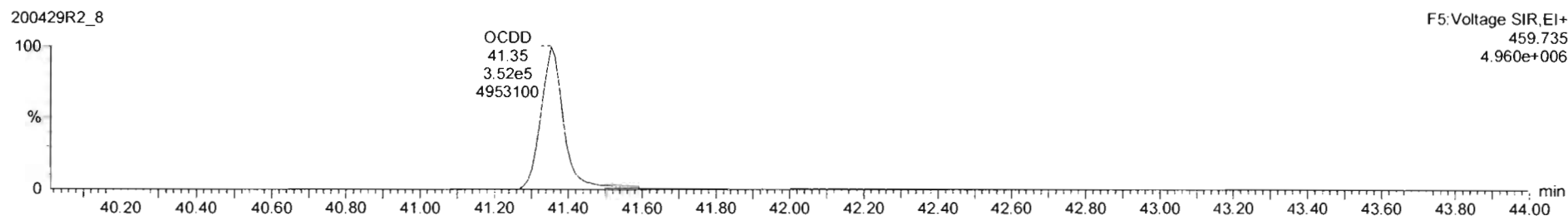
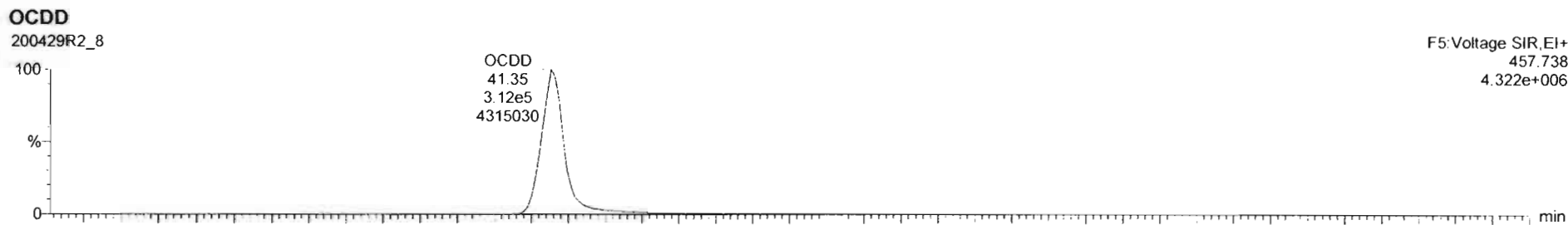


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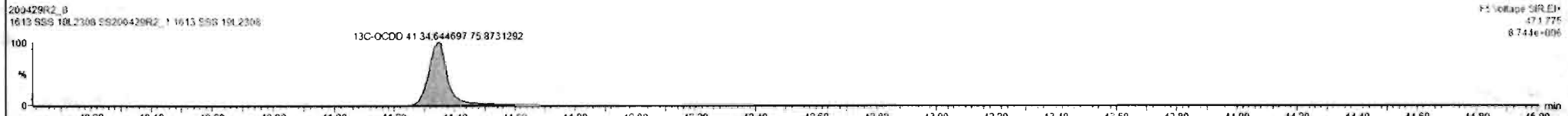
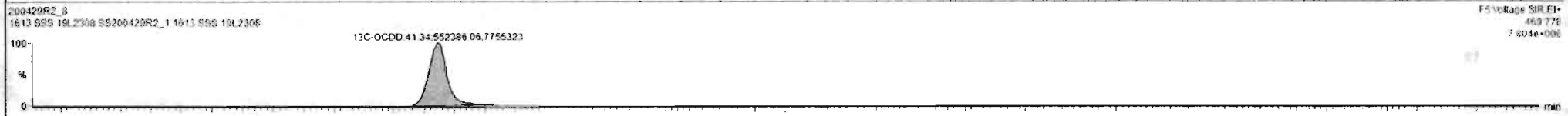
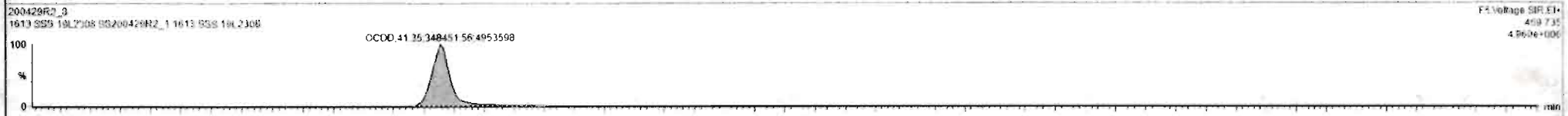
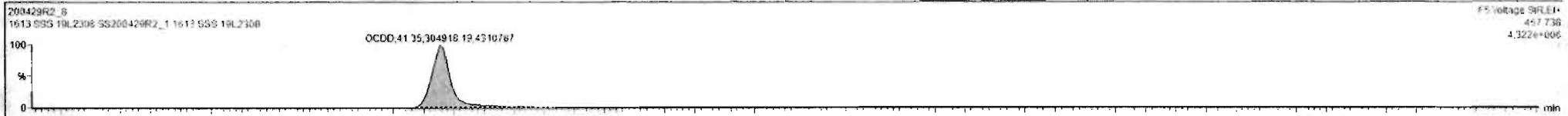
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Name: 200429R2_8, Date: 29-Apr-2020, Time: 18:58:05, ID: SS200429R2_1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



Name	Resp	RA	inj	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	11.2	0.0427	11.2
2 1,2,3,7,8-PeCDD	5.70e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	11.2	0.0577	56.1
3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	56.0	11.6	0.102	56.0
4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.5	0.105	57.4
5 1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9149	1.000	34.88	1.000	58.2	11.6	0.120	58.2
6 1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8919	1.000	36.38	1.001	56.7	11.3	0.145	56.7
7 OCDD	6.53e5	0.55	NO	0.9325	1.000	41.35	1.000	117	11.7	0.107	117
8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9 1,2,3,7,8-PeCDF	5.00e5	1.54	NO	0.9102	1.000	29.83	1.001	55.8	11.2	0.0810	55.8
10 2,3,4,7,8-PeCDF	1.00e6	1.53	NO	0.9664	1.000	30.82	1.000	60.8	12.2	0.0765	60.8
11 1,2,3,4,7,8-HxCDF	5.51e5	1.22	NO	0.8782	1.000	33.64	1.000	55.9	11.2	0.109	55.9
12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.78	1.000	56.5	11.3	0.107	56.5
13 2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8542	1.000	35.22	1.000	55.3	11.1	0.152	55.3
15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	11.0	0.153	54.9
16 1,2,3,4,7,8,9-HpCDF	2.99e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	11.4	0.204	57.2
17 OCDF	0.13e5	0.66	NO	0.8021	1.000	41.53	1.000	115	11.5	0.158	115



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200429R2_8

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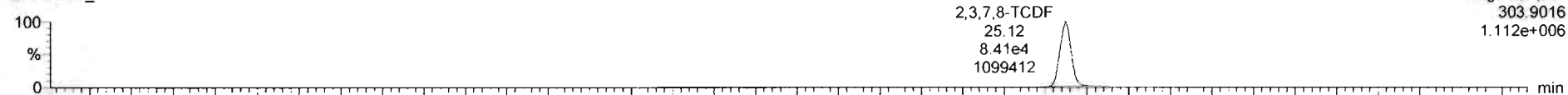
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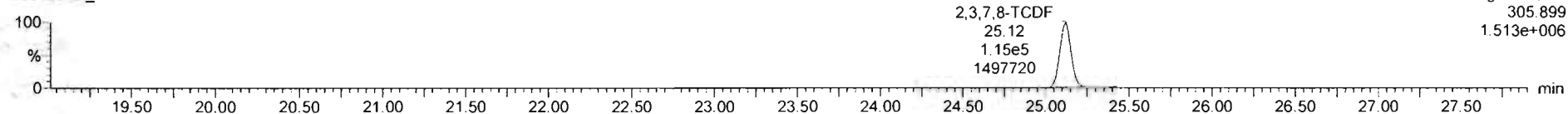
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2,3,7,8-TCDF

200429R2_8

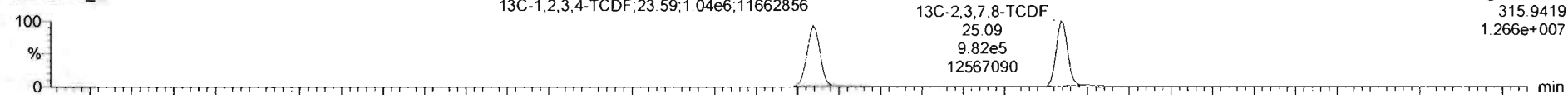


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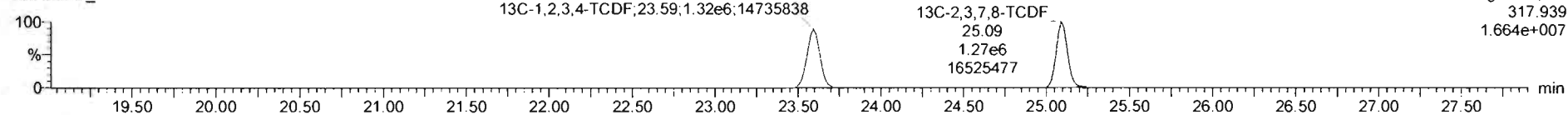


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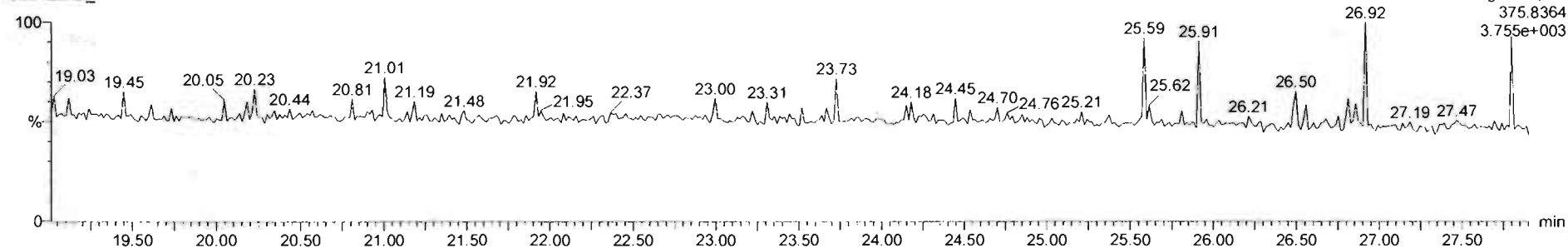


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DPE1

200429R2_8



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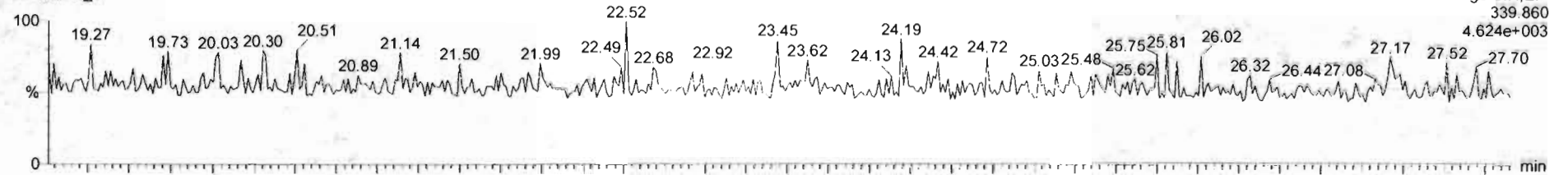
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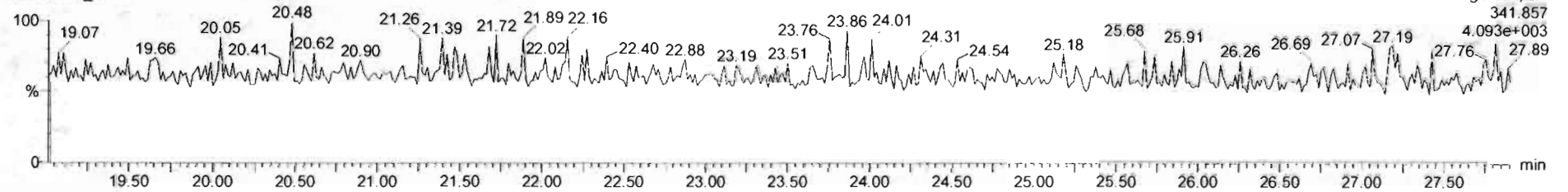
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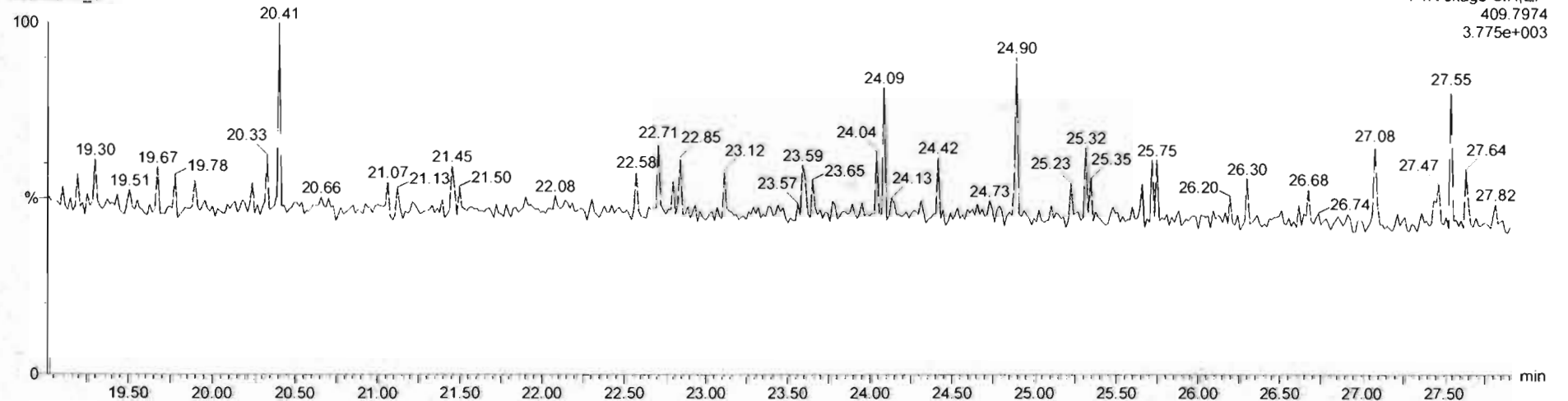


200429R2_8



DPE6

200429R2_8



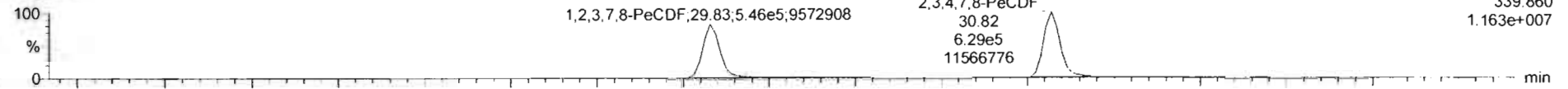
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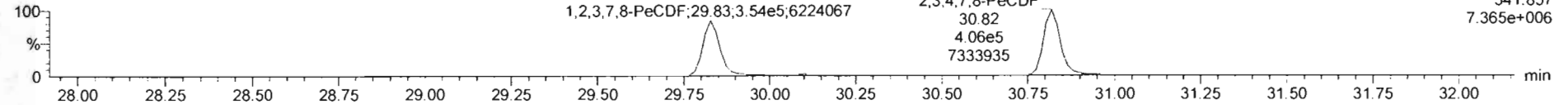
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1,2,3,7,8-PeCDF

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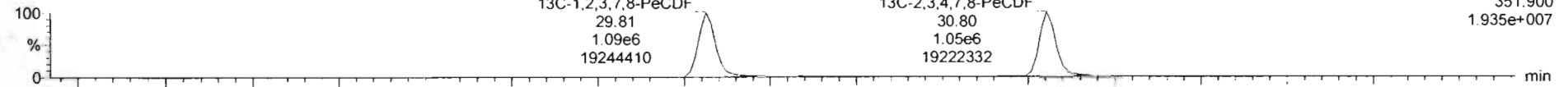


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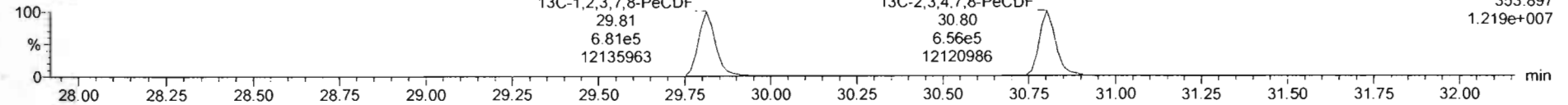


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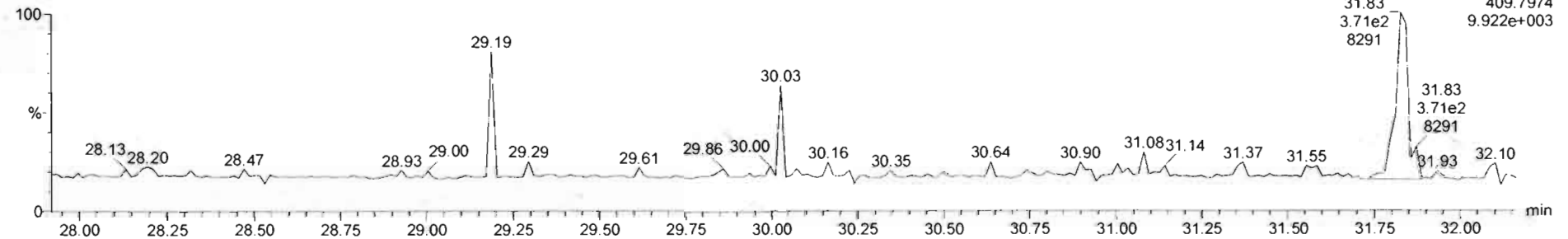


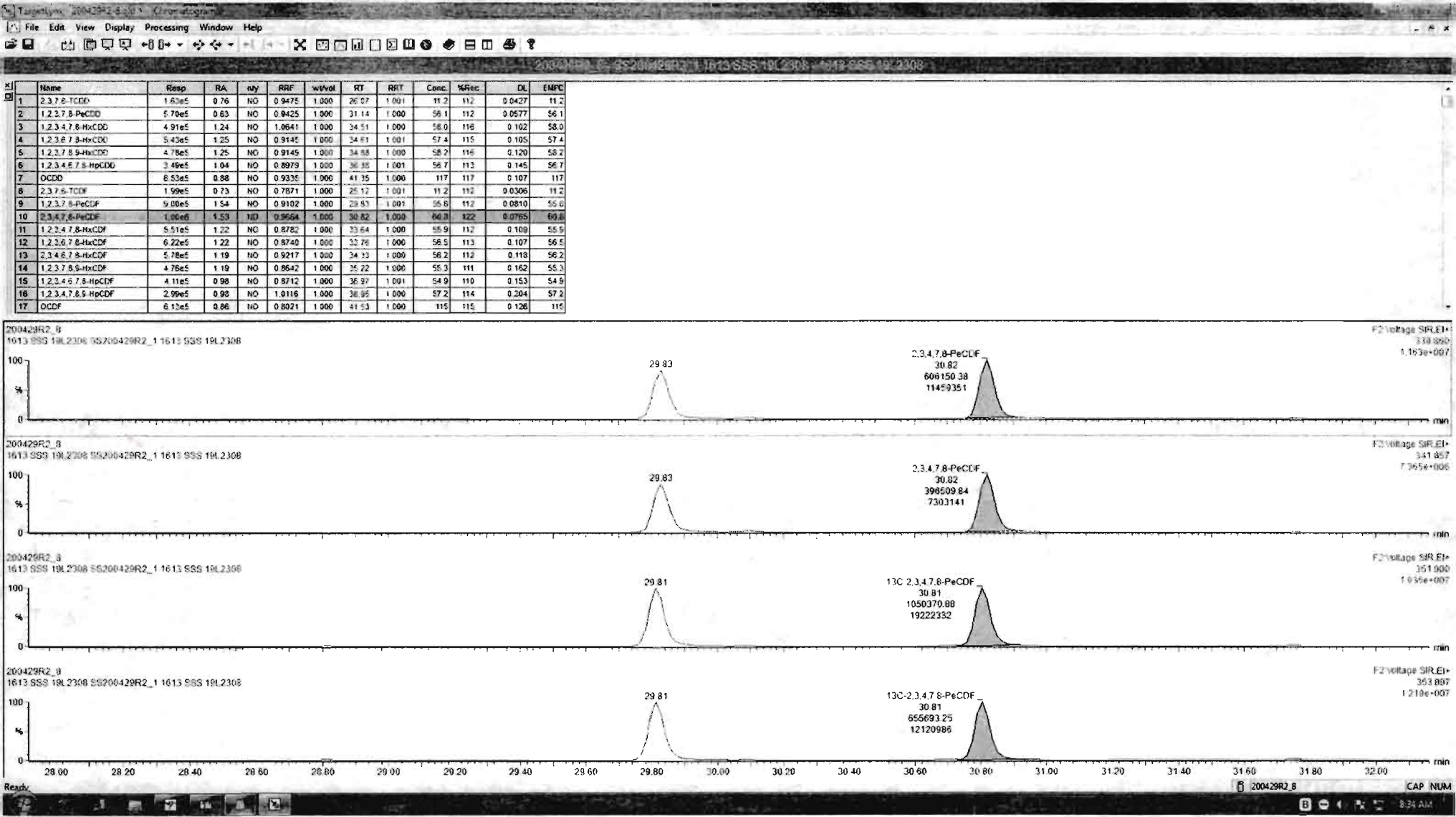
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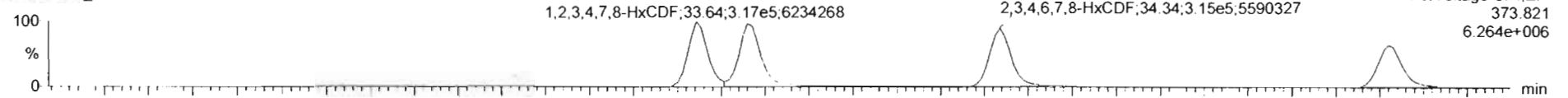
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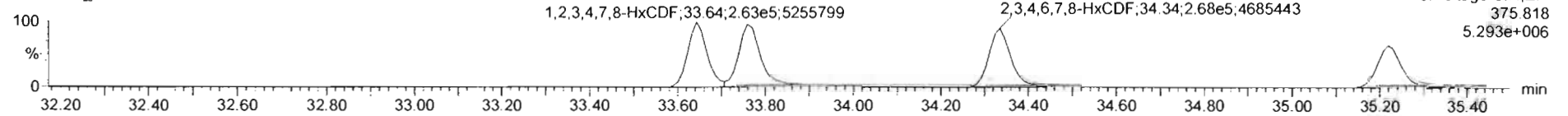
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1,2,3,4,7,8-HxCDF

200429R2_8

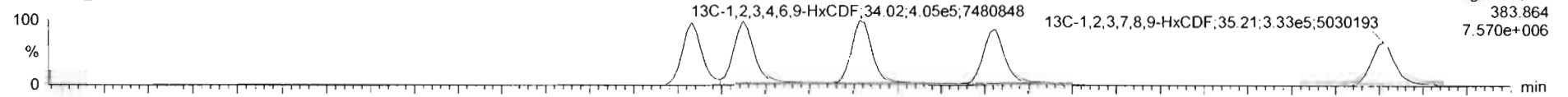


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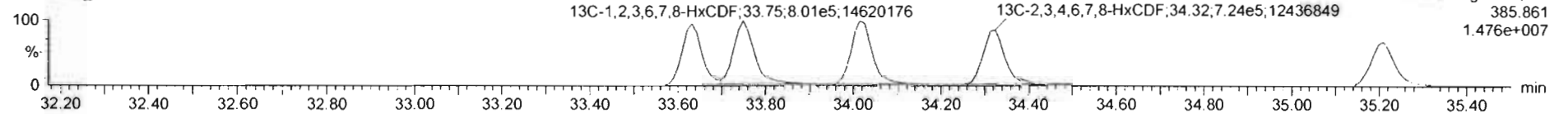


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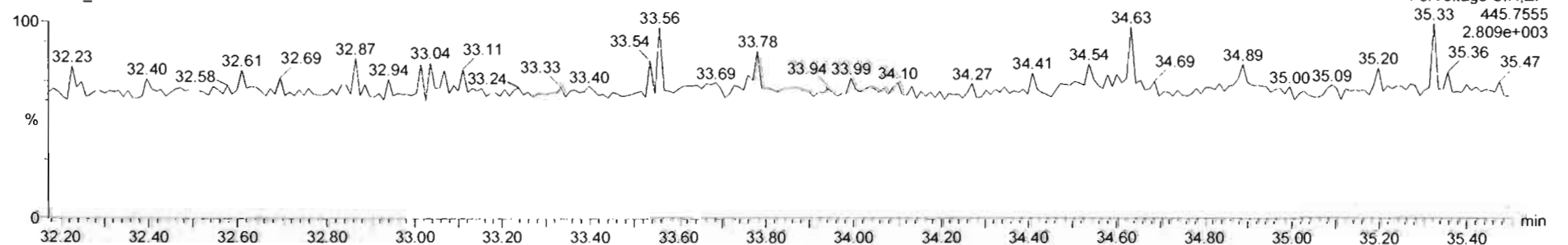


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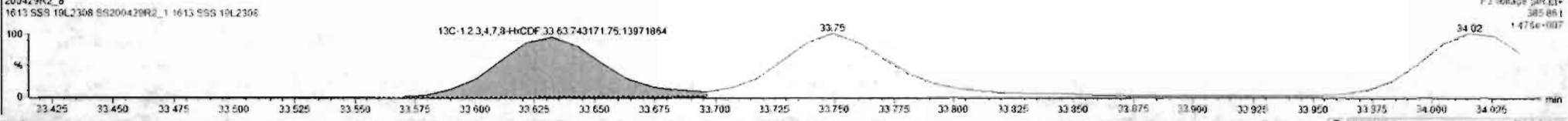
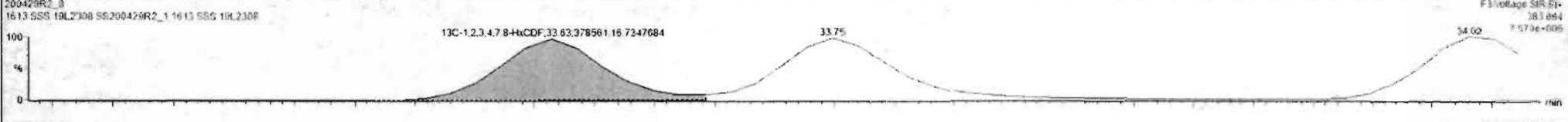
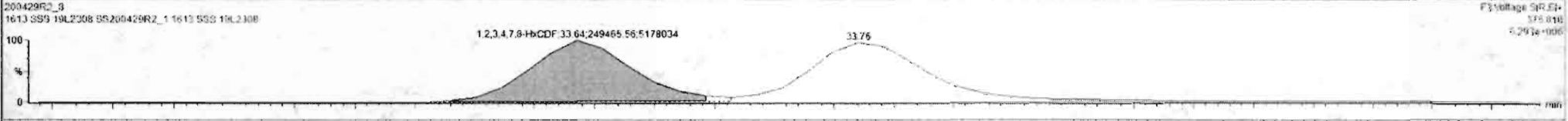
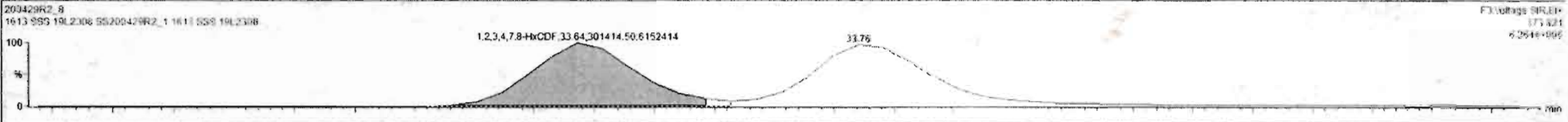
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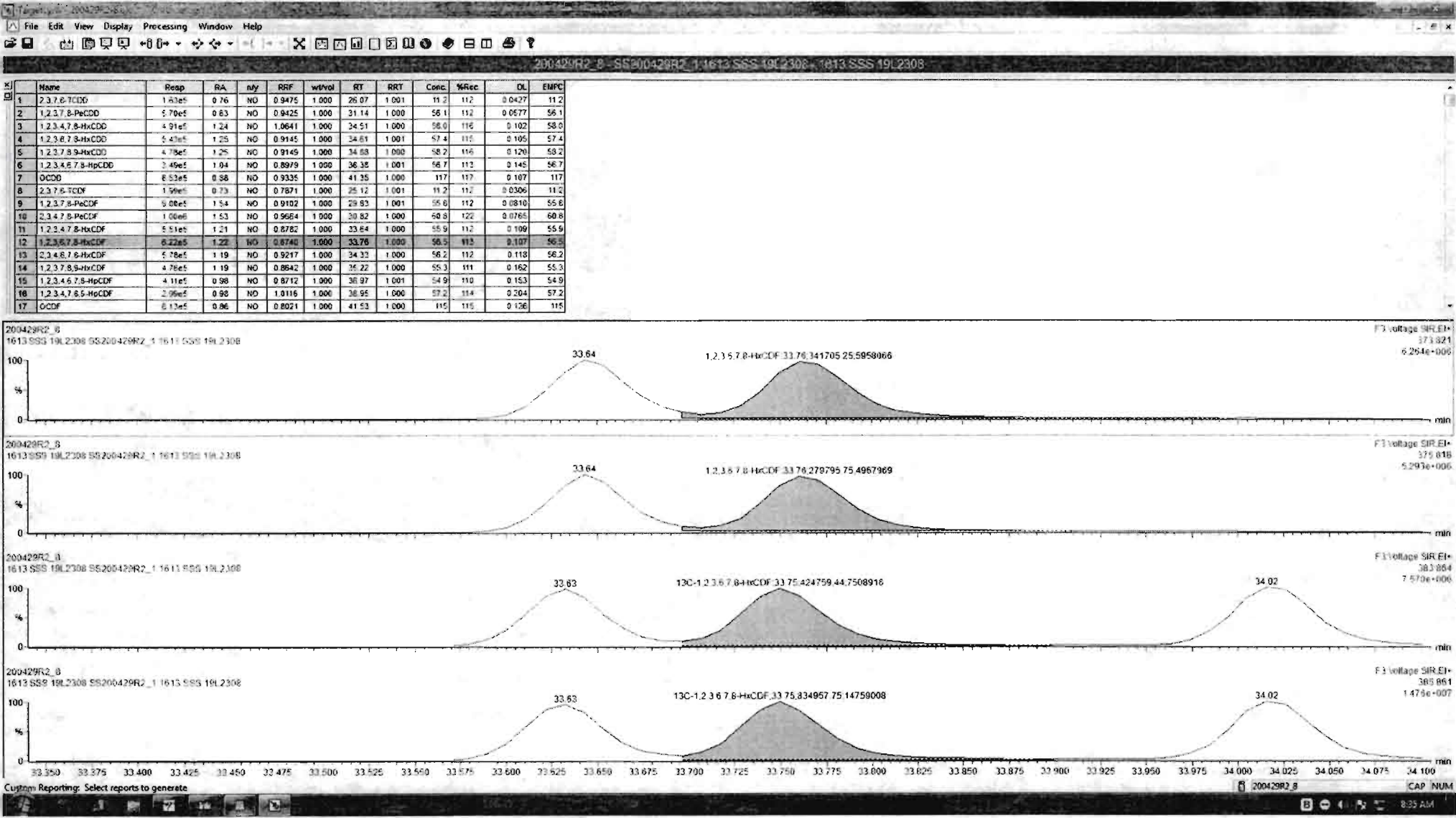
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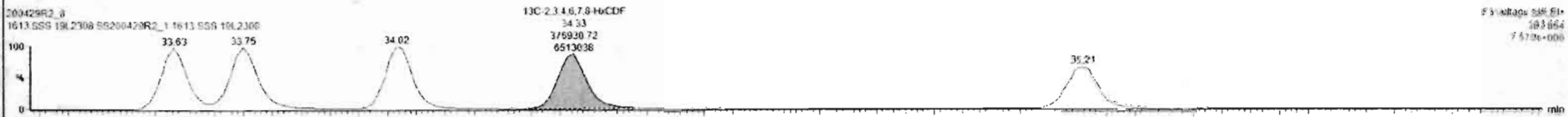
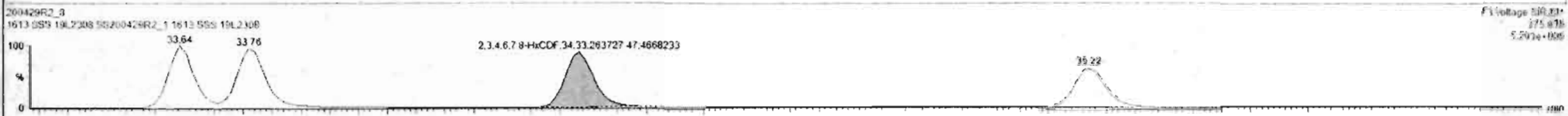
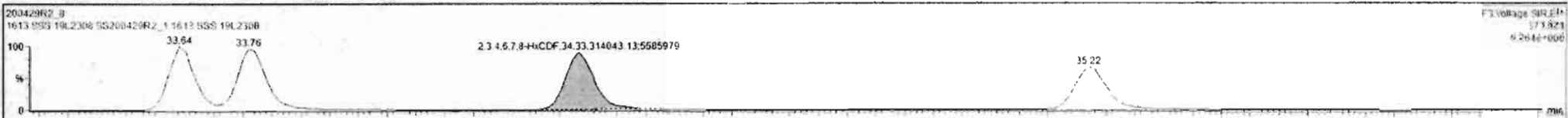
200429R2_8 - SS200429R2_1 1613 SSS 19L2308 - 1613 SSS 19L2308

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1	2,3,7,8-TCDF	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	112	0.0427	11.2
2	1,2,3,7,8-PeCDF	5.79e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	112	0.0577	56.1
3	1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	116	0.102	58.0
4	1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.01	1.001	57.4	115	0.105	57.4
5	1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9149	1.000	34.08	1.000	58.2	116	0.120	58.2
6	1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.36	1.001	56.7	113	0.145	56.7
7	OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	117	0.107	117
8	2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	112	0.0306	11.2
9	1,2,3,7,8-PeCDF	9.08e5	1.54	NO	0.9192	1.000	29.93	1.001	55.6	112	0.0810	55.6
10	2,3,4,7,8-PeCDF	1.00e5	1.53	NO	0.9664	1.000	30.82	1.000	60.8	122	0.0765	60.8
11	1,2,3,4,7,8-HxCDF	5.51e5	1.31	NO	0.6782	1.000	33.64	1.000	55.9	112	0.109	55.9
12	1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	56.5	113	0.107	56.5
13	2,3,4,6,7,8-HxCDF	5.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	112	0.118	56.2
14	1,2,3,7,8,9-HxCDF	4.78e5	1.19	NO	0.8642	1.000	35.22	1.000	55.3	111	0.162	55.3
15	1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	110	0.153	54.9
16	1,2,3,4,7,8,9-HpCDF	2.96e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	114	0.204	57.2
17	OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	115	0.126	115

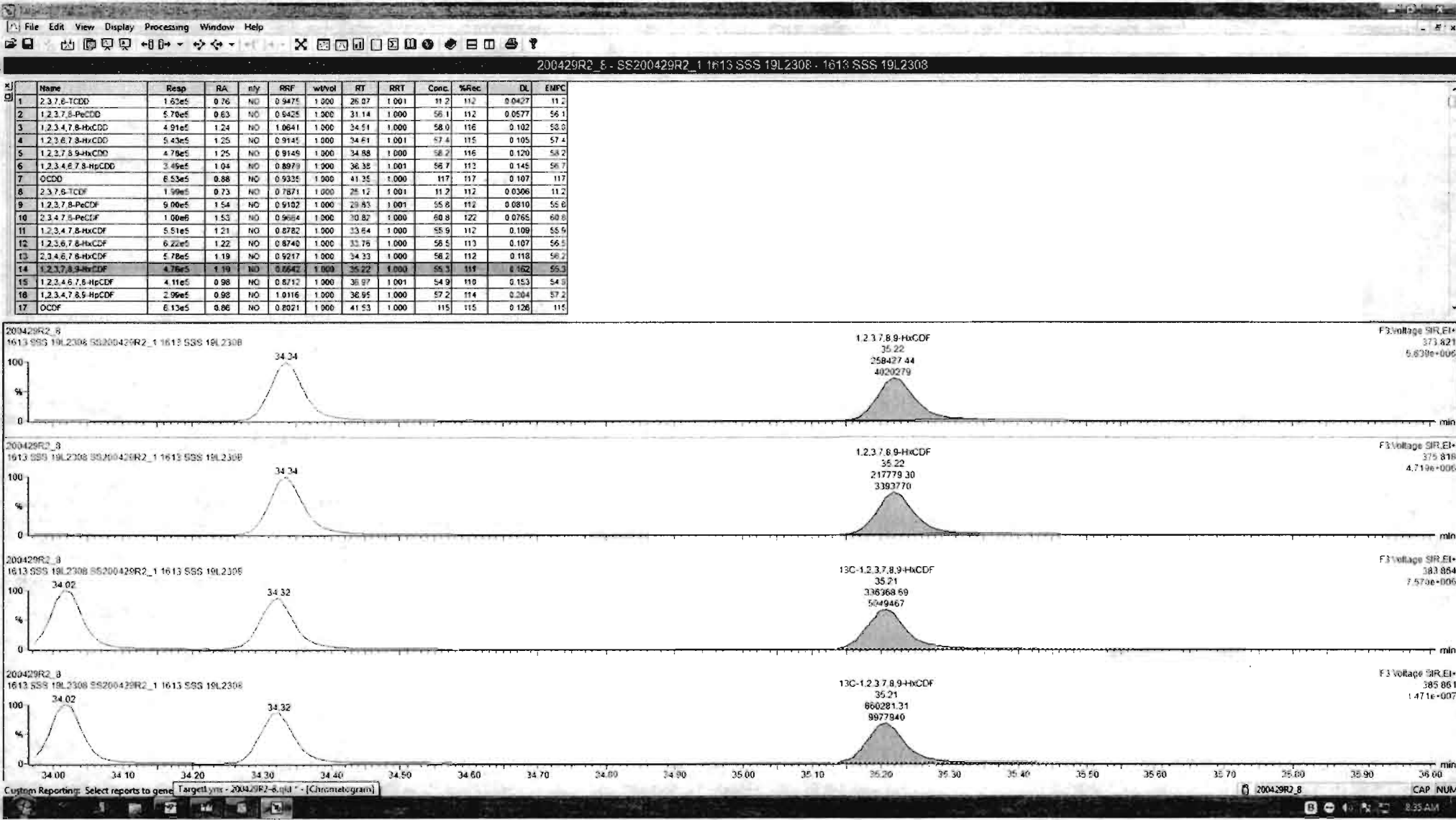




#	Name	Resp	RA	nly	RRF	wtvol	RT	RRT	Conc.	%Rec	DL	EMPC
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2	1,2,3,7,8-PeCDD	5.70e5	0.83	NO	0.9425	1.000	31.14	1.000	56.1	11.2	0.0577	56.1
3	1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	11.6	0.102	58.0
4	1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.6	0.105	57.4
5	1,2,3,7,8,9-HxCDD	4.78e5	1.25	NO	0.9145	1.000	34.88	1.000	58.2	11.6	0.120	58.2
6	1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.38	1.001	58.7	11.3	0.145	56.7
7	OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	11.7	0.107	117
8	2,3,7,8-TCDF	1.59e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9	1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.9102	1.000	29.83	1.001	55.8	11.2	0.0810	55.6
10	2,3,4,7,8-PeCDF	1.00e6	1.52	NO	0.9654	1.000	29.82	1.000	60.8	12.2	0.0765	60.8
11	1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.8782	1.000	33.64	1.000	55.9	11.2	0.109	55.9
12	1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	56.5	11.3	0.107	56.5
13	2,3,4,6,7,8-HxCDF	5.79e5	1.18	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14	1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8642	1.000	35.22	1.000	55.3	11.1	0.162	55.3
15	1,2,3,4,6,7,8-HpCDF	4.11e5	0.98	NO	0.8712	1.000	36.97	1.001	54.9	11.0	0.153	54.9
16	1,2,3,4,7,8,9-HoCDF	2.96e5	0.98	NO	1.0116	1.000	36.95	1.000	57.2	11.4	0.204	57.2
17	OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	11.5	0.126	115



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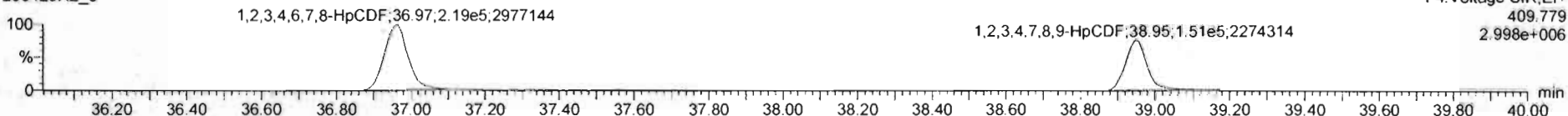
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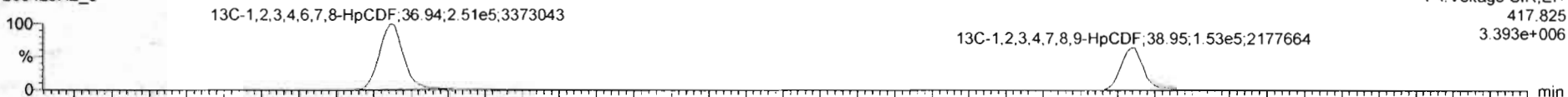


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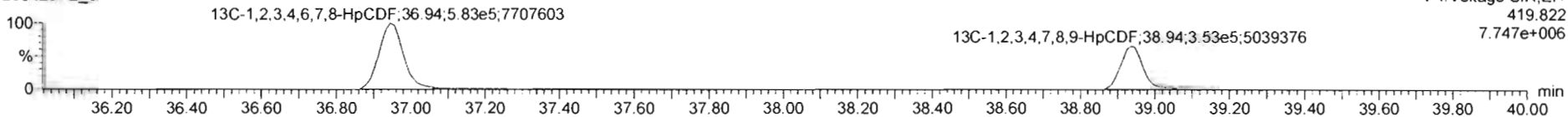


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200429R2_8

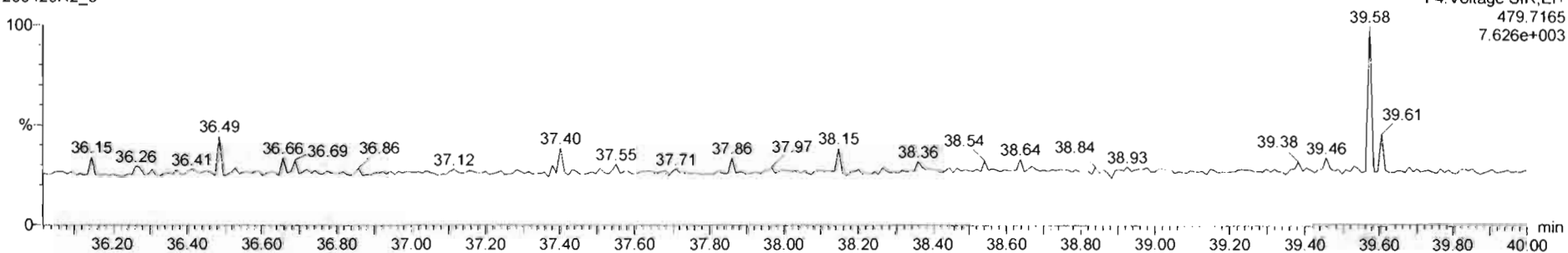


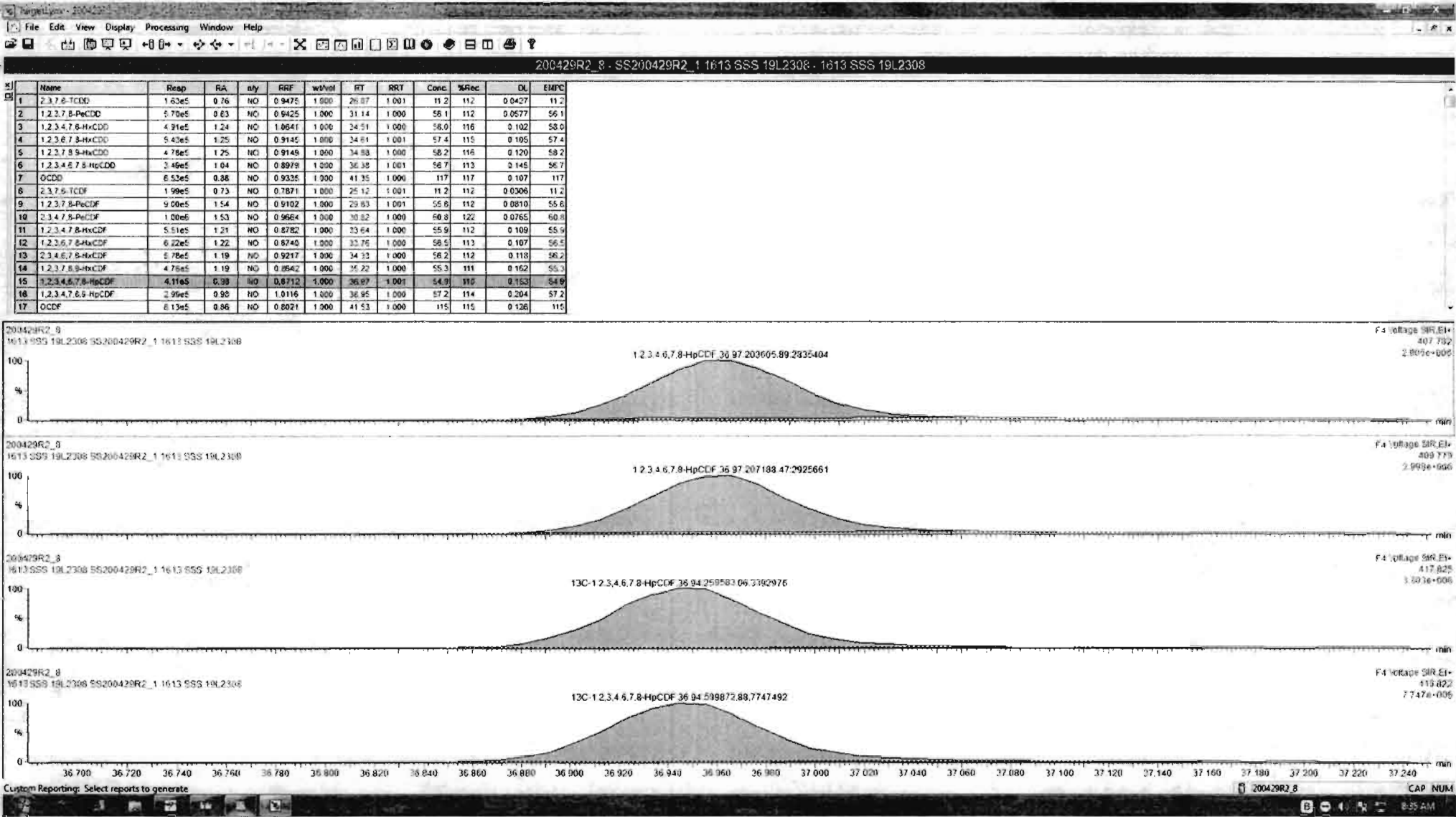
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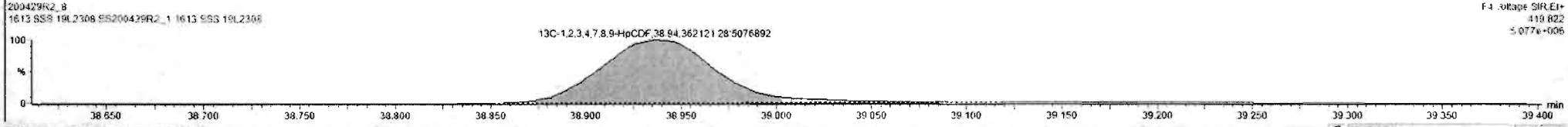
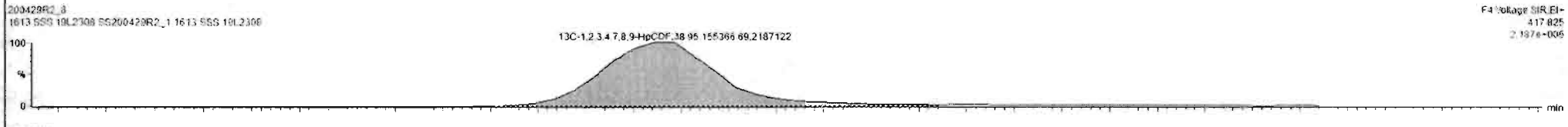
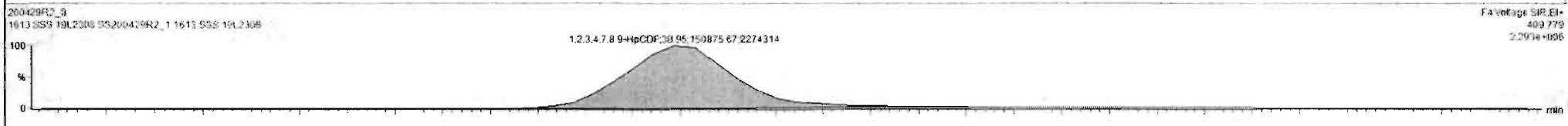
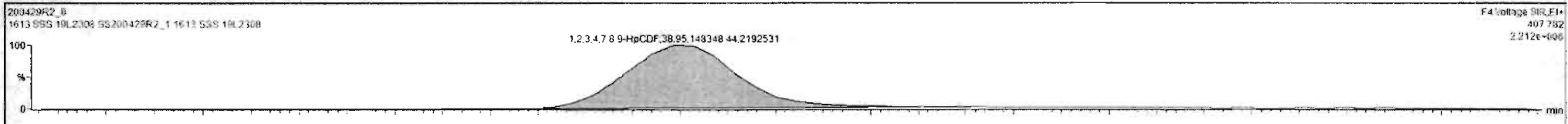
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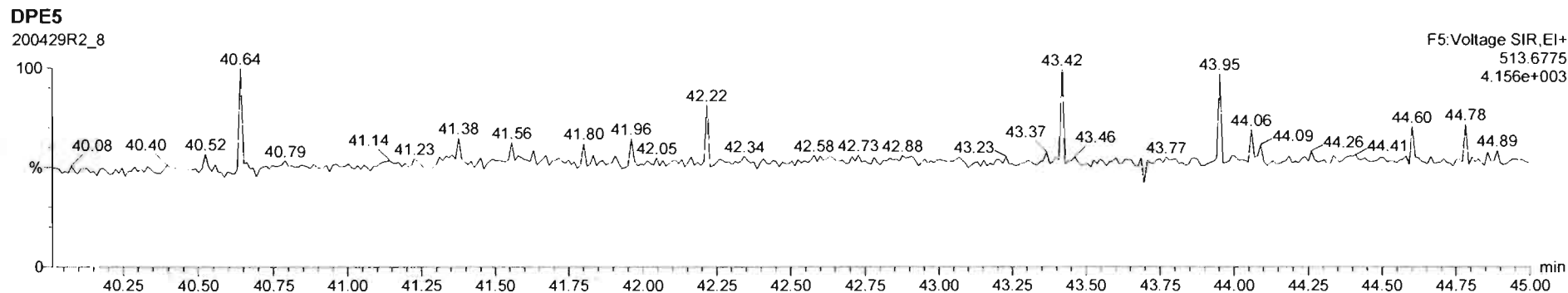
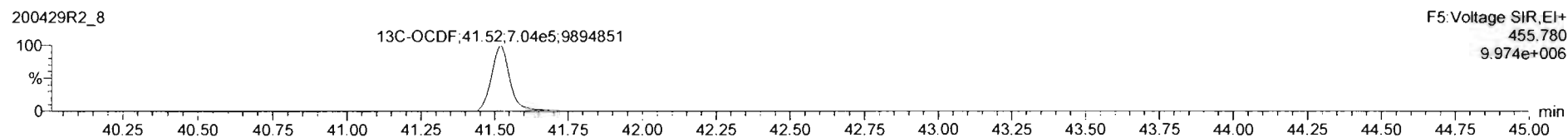
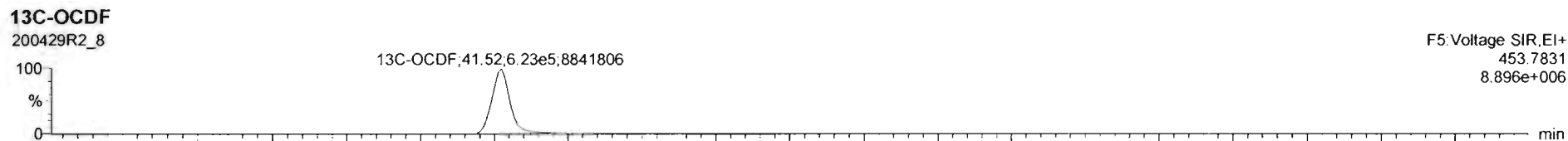
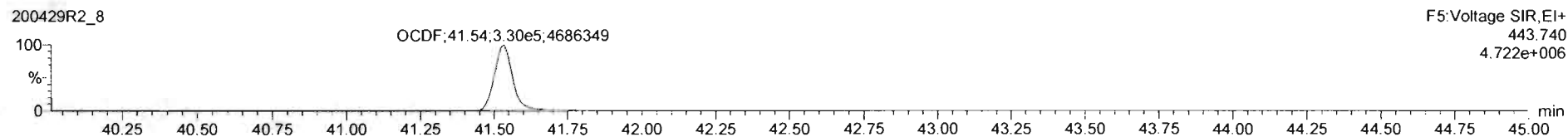
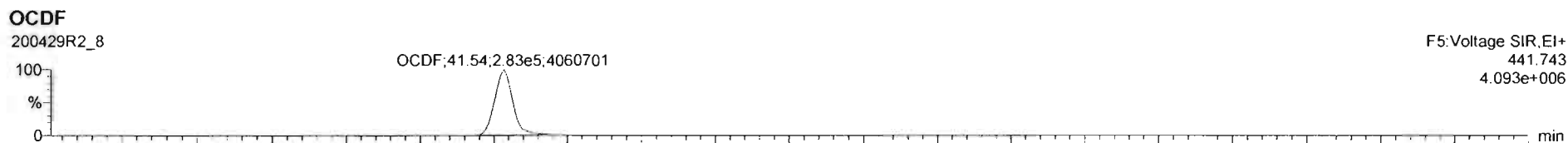
Name	Resp	RA	dy	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.63e5	0.76	NO	0.9475	1.000	26.07	1.001	11.2	11.2	0.0427	11.2
2 1,2,3,7,8-PeCDD	4.70e5	0.83	NO	0.9425	1.000	31.14	1.000	58.1	11.2	0.0577	56.1
3 1,2,3,4,7,8-HxCDD	4.91e5	1.24	NO	1.0641	1.000	34.51	1.000	58.0	11.6	0.102	58.0
4 1,2,3,6,7,8-HxCDD	5.43e5	1.25	NO	0.9145	1.000	34.61	1.001	57.4	11.5	0.105	57.4
5 1,2,3,7,8,9-HxCDD	4.76e5	1.25	NO	0.9145	1.000	34.68	1.000	58.2	11.6	0.120	58.2
6 1,2,3,4,6,7,8-HpCDD	3.45e5	1.04	NO	0.8979	1.000	36.35	1.001	56.7	11.2	0.145	56.7
7 OCDD	6.53e5	0.88	NO	0.9335	1.000	41.35	1.000	117	11.7	0.107	117
8 2,3,7,8-TCDF	1.99e5	0.73	NO	0.7871	1.000	25.12	1.001	11.2	11.2	0.0306	11.2
9 1,2,3,7,8-PeCDF	9.00e5	1.54	NO	0.9102	1.000	29.63	1.001	55.6	11.2	0.0810	55.6
10 2,3,4,7,8-PeCDF	1.00e5	1.53	NO	0.9664	1.000	30.82	1.000	60.8	12.2	0.0765	60.8
11 1,2,3,4,7,8-HxCDF	5.51e5	1.21	NO	0.8782	1.000	33.84	1.000	55.9	11.2	0.109	55.9
12 1,2,3,6,7,8-HxCDF	6.22e5	1.22	NO	0.8740	1.000	33.76	1.000	58.5	11.3	0.107	56.5
13 2,3,4,6,7,8-HxCDF	4.78e5	1.19	NO	0.9217	1.000	34.33	1.000	56.2	11.2	0.118	56.2
14 1,2,3,7,8,9-HxCDF	4.76e5	1.19	NO	0.8642	1.000	34.22	1.000	55.3	11.1	0.162	55.3
15 1,2,3,4,6,7,8-HpCDF	4.11e5	0.86	NO	0.8712	1.000	35.97	1.001	54.9	11.0	0.153	54.9
16 1,2,3,4,7,8,9-HpCDF	2.95e5	0.96	NO	1.0115	1.000	35.95	1.000	57.2	11.4	0.204	57.2
17 OCDF	6.13e5	0.86	NO	0.8021	1.000	41.53	1.000	115	11.5	0.126	115



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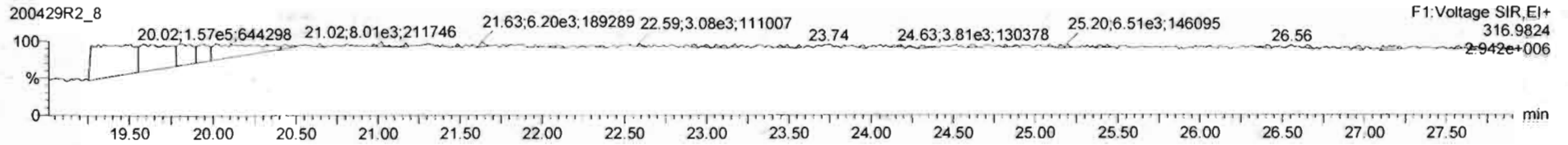
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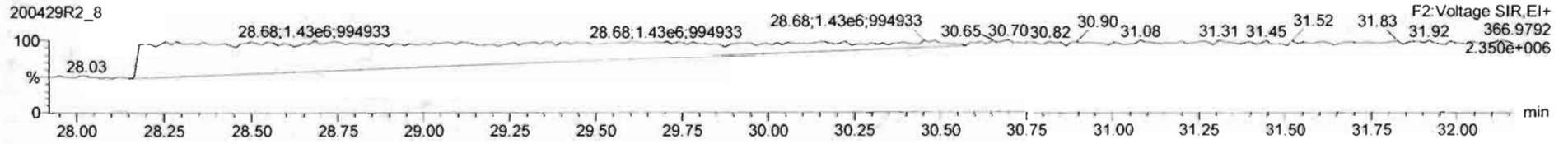
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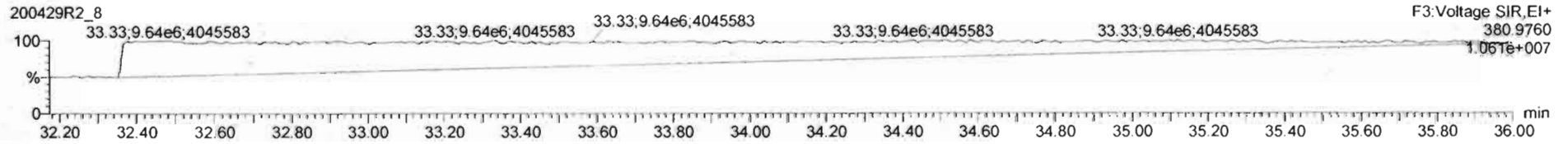
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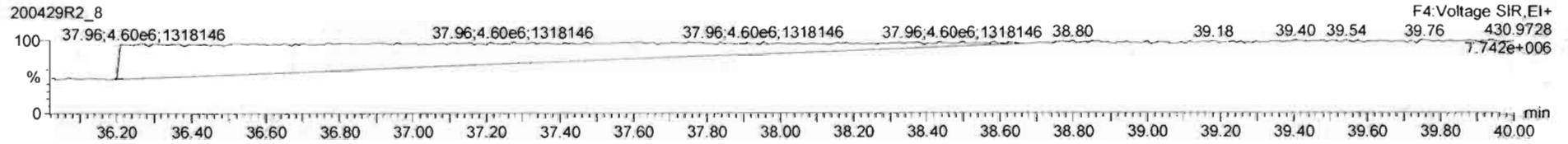
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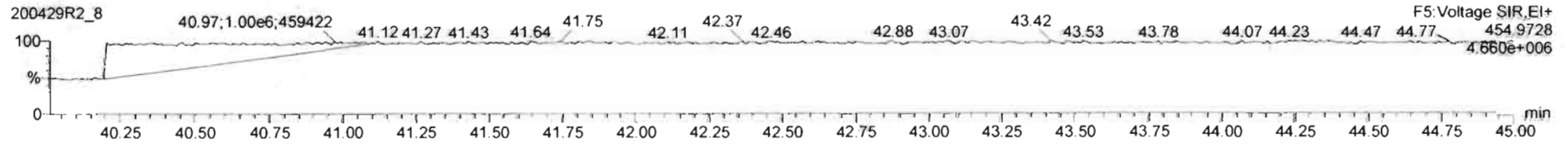
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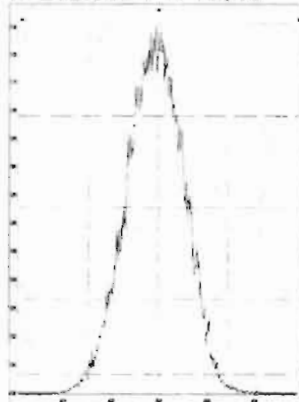
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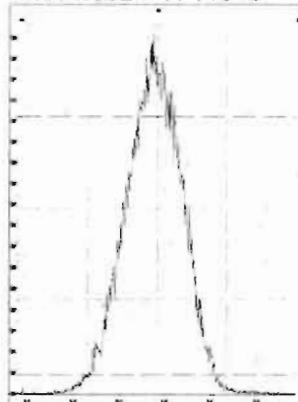
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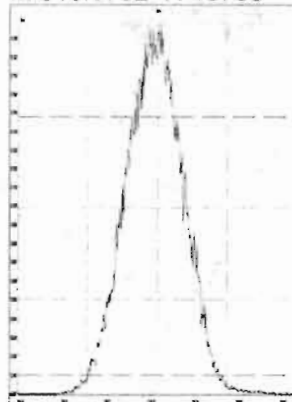
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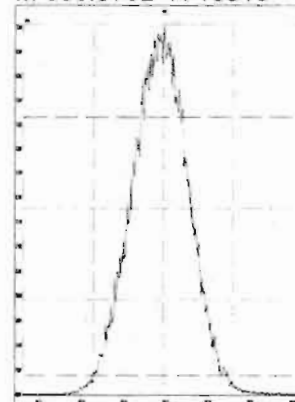
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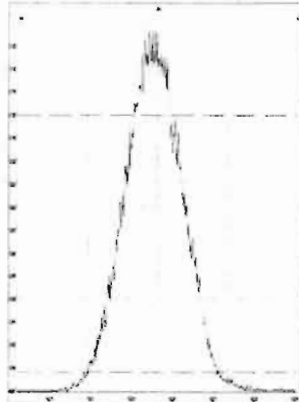
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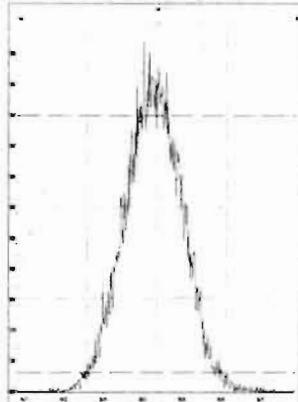
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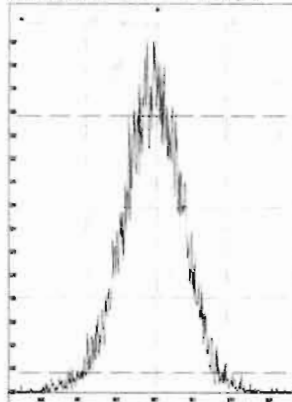
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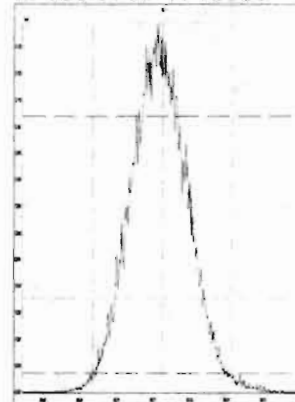
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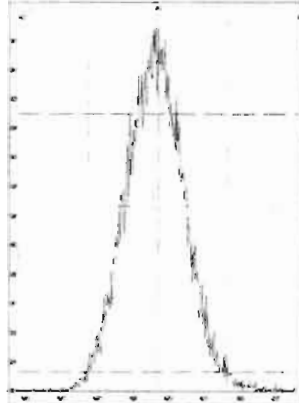
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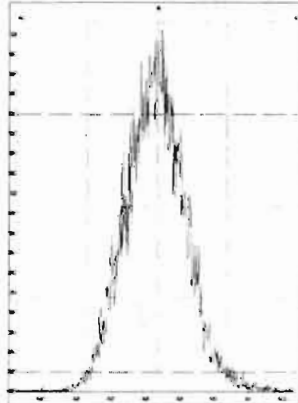
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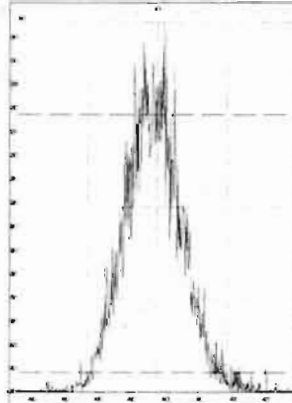
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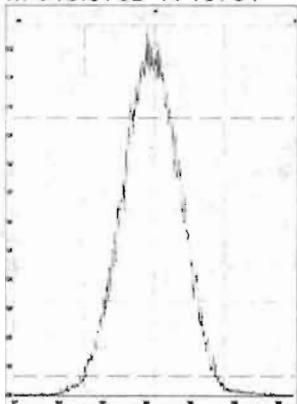
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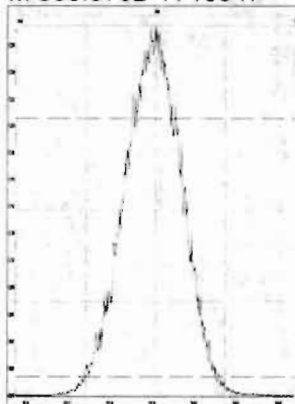
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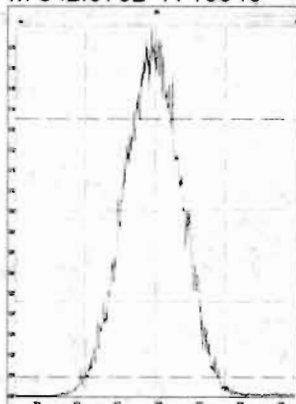
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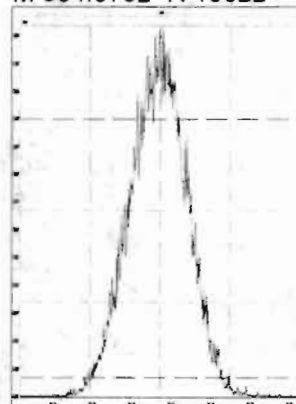
M 330.9792 R 10547



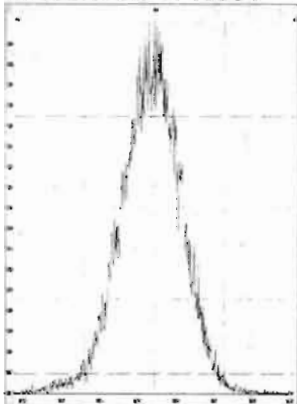
M 342.9792 R 10640



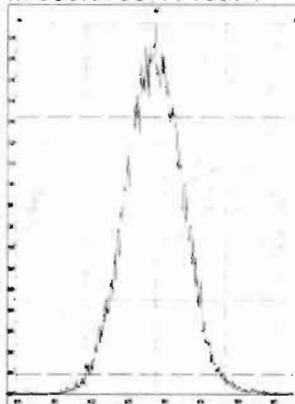
M 354.9792 R 10822



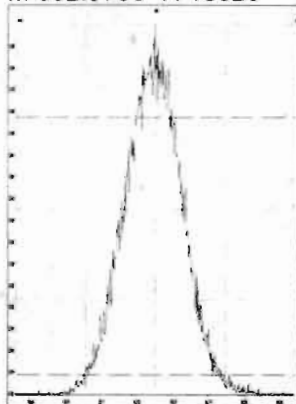
M 366.9792 R 10681



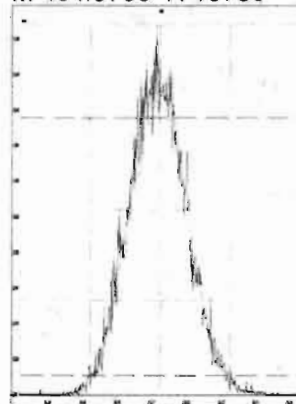
M 380.9760 R 10374



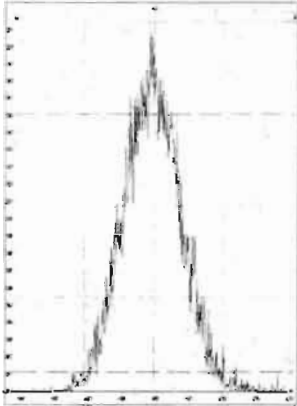
M 392.9760 R 10329



M 404.9760 R 10730



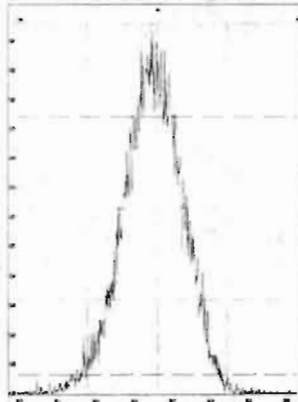
M 416.9760 R 12018



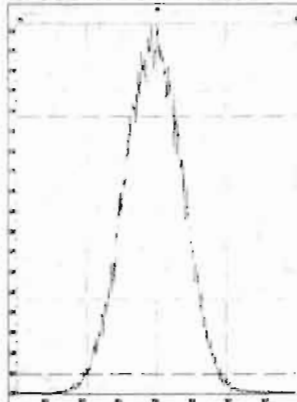
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, April 30, 2020 07:17:57 Pacific Daylight Time

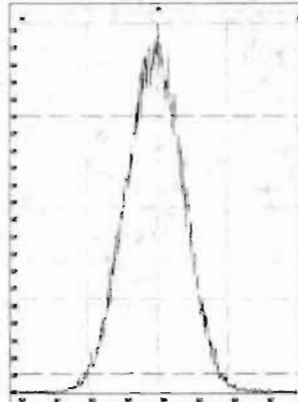
M 366.9792 R 10079



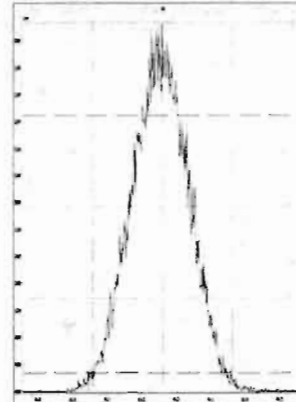
M 380.9760 R 10590



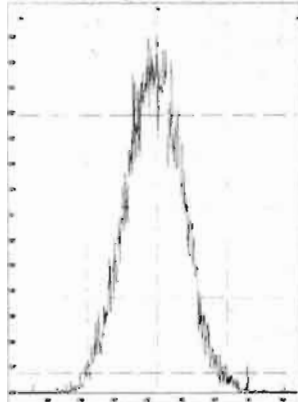
M 392.9760 R 10592



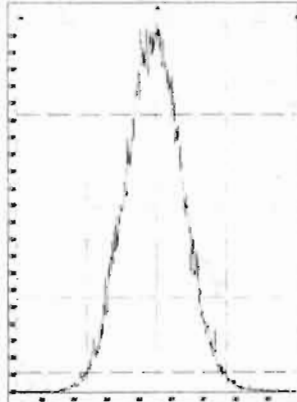
M 404.9760 R 11010



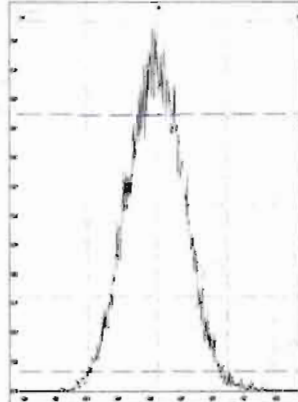
M 416.9760 R 10964



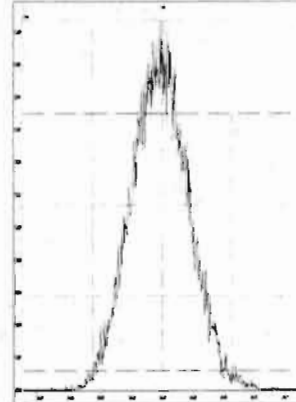
M 430.9728 R 10415



M 442.9728 R 10730



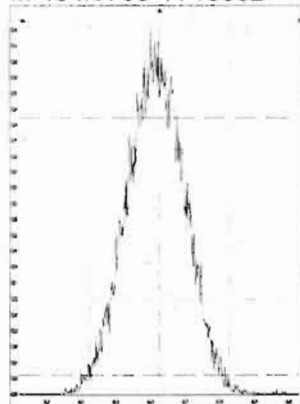
M 454.9728 R 11260



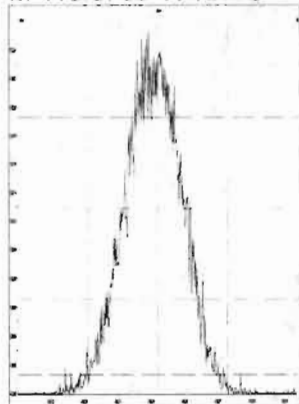
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, April 30, 2020 07:18:12 Pacific Daylight Time

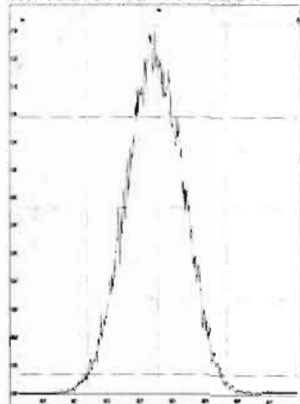
M 404.9760 R 10682



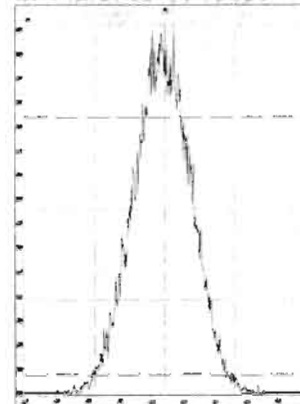
M 416.9760 R 10776



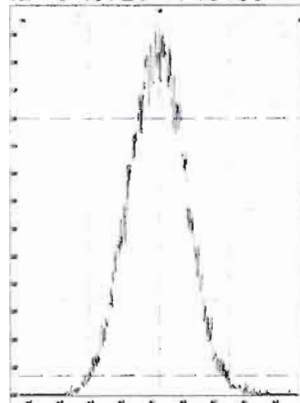
M 430.9728 R 10503



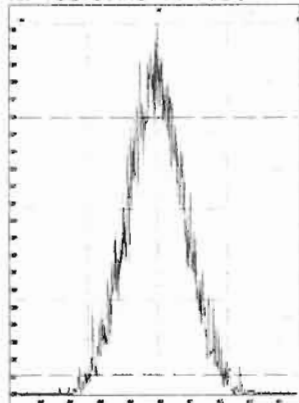
M 442.9728 R 10505



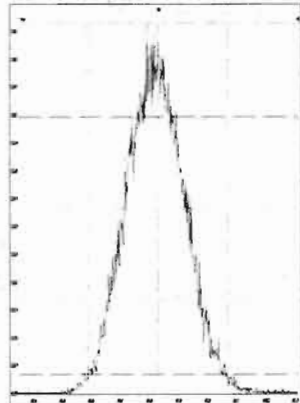
M 454.9728 R 10460



M 466.9728 R 10591



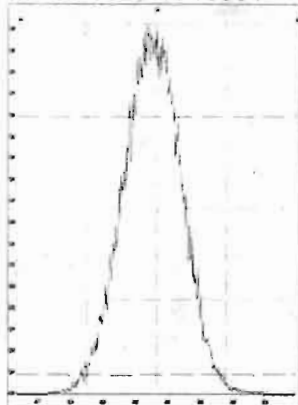
M 480.9696 R 10040



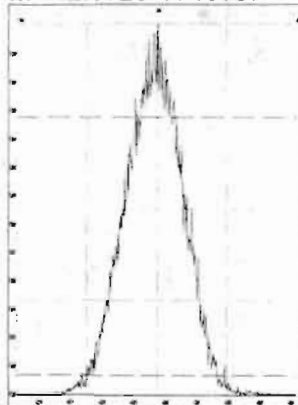
File: Experiment: OCDD_DB5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, April 30, 2020 07:18:29 Pacific Daylight Time

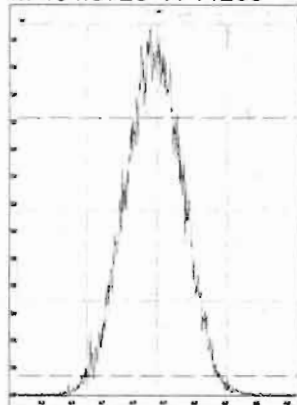
M 430.9728 R 10684



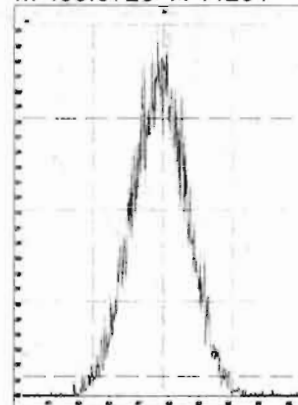
M 442.9728 R 10637



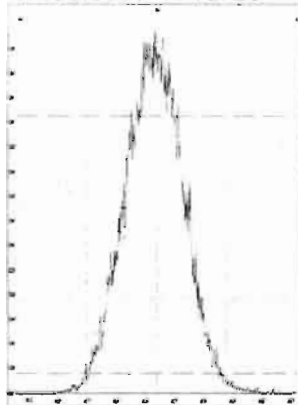
M 454.9728 R 11259



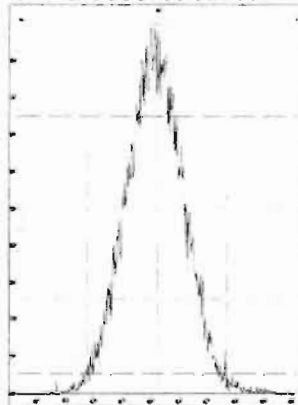
M 466.9728 R 11261



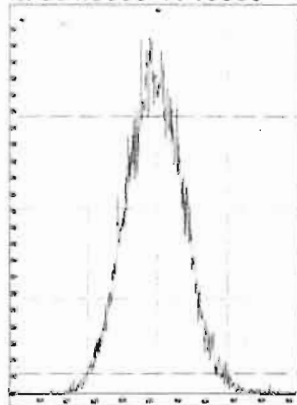
M 480.9696 R 10728



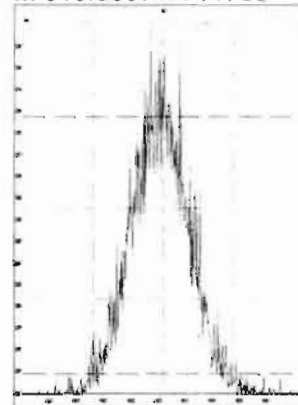
M 492.9696 R 10867



M 504.9696 R 10869



M 516.9697 R 11738



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld
 Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time
 Printed: Monday, March 09, 2020 17:23:44 Pacific Daylight Time

DB 3/9/20 C7 03/10/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 09 Mar 2020 11:30:34
 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

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

Response Factor: 0.986791
 RRF SD: 0.0674267, Relative SD: 6.83293
 Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	0.250	0.85	NO	25.88	1.001	1.59e2	6.81e4	0.237	-5.3	0.934	MM
2	200309D1_2	0.500	0.88	NO	25.85	1.000	3.14e2	6.95e4	0.457	-8.6	0.902	MM
3	200309D1_3	2.00	0.84	NO	25.88	1.001	1.33e3	6.75e4	1.99	-0.3	0.984	bb
4	200309D1_4	40.0	0.78	NO	25.90	1.001	2.62e4	6.74e4	39.3	-1.7	0.970	bb
5	200309D1_5	300	0.77	NO	25.90	1.001	2.32e5	7.20e4	327	9.1	1.08	db
6	200309D1_6	10.0	0.84	NO	25.90	1.001	5.95e3	5.65e4	10.7	6.7	1.05	db

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.982426
 RRF SD: 0.0451347, Relative SD: 4.59421
 Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	0.66	NO	30.47	1.000	6.61e2	5.66e4	1.19	-5.0	0.933	bb
2	200309D1_2	2.50	0.63	NO	30.47	1.000	1.30e3	5.32e4	2.49	-0.5	0.977	bb
3	200309D1_3	10.0	0.68	NO	30.47	1.000	5.19e3	5.49e4	9.61	-3.9	0.944	bb
4	200309D1_4	200	0.62	NO	30.49	1.001	1.12e5	5.55e4	205	2.7	1.01	bb
5	200309D1_5	1500	0.63	NO	30.49	1.001	9.76e5	6.16e4	1610	7.5	1.06	bb
6	200309D1_6	50.0	0.63	NO	30.49	1.001	2.35e4	4.81e4	49.6	-0.7	0.975	bb

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Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time

Printed: Monday, March 09, 2020 17:23:44 Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.17437

RRF SD: 0.0577382, Relative SD: 4.91652

Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	1.18	NO	33.75	1.000	6.45e2	4.51e4	1.22	-2.7	1.14	bd
2	200309D1_2	2.50	1.21	NO	33.76	1.000	1.19e3	4.27e4	2.37	-5.1	1.11	bd
3	200309D1_3	10.0	1.21	NO	33.76	1.001	5.25e3	4.33e4	10.3	3.2	1.21	bd
4	200309D1_4	200	1.27	NO	33.77	1.000	1.15e5	4.94e4	199	-0.5	1.17	bd
5	200309D1_5	1500	1.25	NO	33.76	1.000	1.01e6	5.28e4	1620	8.2	1.27	bd
6	200309D1_6	50.0	1.30	NO	33.77	1.000	2.32e4	4.08e4	48.4	-3.2	1.14	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 1.0362

RRF SD: 0.0515873, Relative SD: 4.9785

Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	1.28	NO	33.86	1.000	7.20e2	5.91e4	1.17	-6.0	0.974	db
2	200309D1_2	2.50	1.34	NO	33.86	1.000	1.47e3	5.50e4	2.58	3.0	1.07	db
3	200309D1_3	10.0	1.28	NO	33.86	1.000	5.81e3	5.52e4	10.2	1.5	1.05	db
4	200309D1_4	200	1.25	NO	33.88	1.000	1.24e5	5.99e4	199	-0.3	1.03	db
5	200309D1_5	1500	1.26	NO	33.87	1.000	1.05e6	6.33e4	1600	7.0	1.11	db
6	200309D1_6	50.0	1.22	NO	33.87	1.000	2.48e4	5.06e4	47.4	-5.2	0.982	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 1.00287

RRF SD: 0.0694501, Relative SD: 6.92514

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	1.14	NO	34.15	1.000	6.16e2	5.38e4	1.14	-8.7	0.915	bb
2	200309D1_2	2.50	1.18	NO	34.16	1.000	1.32e3	5.16e4	2.55	1.8	1.02	bb

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time
 Printed: Monday, March 09, 2020 17:23:44 Pacific Daylight Time

Compound name: 1,2,3,7,8,9-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200309D1_3	10.0	1.23	NO	34.16	1.000	5.12e3	5.22e4	9.77	-2.3	0.980	bb
4	200309D1_4	200	1.27	NO	34.17	1.000	1.18e5	5.76e4	204	1.9	1.02	bd
5	200309D1_5	1500	1.24	NO	34.16	1.000	1.01e6	6.01e4	1670	11.5	1.12	bb
6	200309D1_6	50.0	1.22	NO	34.17	1.001	2.27e4	4.73e4	47.9	-4.3	0.960	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.991554
 RRF SD: 0.0575038, Relative SD: 5.79936
 Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	1.12	NO	37.64	1.001	5.97e2	4.76e4	1.26	1.1	1.00	bb
2	200309D1_2	2.50	1.03	NO	37.65	1.001	1.03e3	4.11e4	2.54	1.5	1.01	bb
3	200309D1_3	10.0	1.06	NO	37.64	1.000	4.11e3	4.54e4	9.13	-8.7	0.905	bb
4	200309D1_4	200	1.07	NO	37.65	1.000	1.01e5	4.89e4	208	4.0	1.03	bd
5	200309D1_5	1500	1.03	NO	37.64	1.000	9.00e5	5.66e4	1600	7.0	1.06	bb
6	200309D1_6	50.0	1.03	NO	37.65	1.001	1.97e4	4.19e4	47.6	-4.9	0.943	bb

Compound name: OCDD

Response Factor: 1.03532
 RRF SD: 0.0416085, Relative SD: 4.01889
 Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	2.50	0.91	NO	40.83	1.000	9.32e2	7.50e4	2.40	-3.9	0.994	MM
2	200309D1_2	5.00	0.78	NO	40.85	1.000	1.85e3	6.85e4	5.23	4.6	1.08	bd
3	200309D1_3	20.0	0.98	NO	40.85	1.000	7.01e3	7.19e4	18.8	-5.8	0.975	bd
4	200309D1_4	400	0.93	NO	40.85	1.000	1.78e5	8.39e4	410	2.5	1.06	bd
5	200309D1_5	3000	0.89	NO	40.86	1.000	1.63e6	1.03e5	3040	1.4	1.05	bb
6	200309D1_6	100	0.91	NO	40.86	1.000	3.46e4	6.60e4	101	1.4	1.05	bd

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time
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Compound name: 2,3,7,8-TCDF

Response Factor: 0.881772

RRF SD: 0.0293286, Relative SD: 3.3261

Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	0.250	0.66	NO	25.06	1.000	2.28e2	1.00e5	0.258	3.0	0.909	MM
2	200309D1_2	0.500	0.76	NO	25.06	1.001	4.83e2	1.06e5	0.514	2.8	0.907	MM
3	200309D1_3	2.00	0.88	NO	25.07	1.000	1.84e3	1.05e5	1.99	-0.6	0.876	MM
4	200309D1_4	40.0	0.74	NO	25.09	1.001	3.49e4	1.05e5	37.6	-6.0	0.829	bb
5	200309D1_5	300	0.76	NO	25.09	1.001	3.02e5	1.13e5	303	1.0	0.891	bb
6	200309D1_6	10.0	0.74	NO	25.07	1.001	7.83e3	8.90e4	9.97	-0.3	0.879	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 1.04525

RRF SD: 0.0516323, Relative SD: 4.93972

Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	1.46	NO	29.28	1.001	1.15e3	9.51e4	1.16	-7.6	0.966	bb
2	200309D1_2	2.50	1.57	NO	29.28	1.001	2.47e3	8.89e4	2.66	6.5	1.11	bb
3	200309D1_3	10.0	1.52	NO	29.28	1.001	9.45e3	9.31e4	9.71	-2.9	1.01	bb
4	200309D1_4	200	1.61	NO	29.30	1.001	1.99e5	9.40e4	203	1.3	1.06	bd
5	200309D1_5	1500	1.56	NO	29.30	1.001	1.61e6	9.94e4	1550	3.4	1.08	bb
6	200309D1_6	50.0	1.62	NO	29.28	1.000	3.93e4	7.57e4	49.7	-0.7	1.04	bd

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.06003

RRF SD: 0.0406821, Relative SD: 3.83782

Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	1.66	NO	30.19	1.001	1.25e3	9.11e4	1.30	3.6	1.10	bb
2	200309D1_2	2.50	1.72	NO	30.19	1.000	2.10e3	8.35e4	2.38	-5.0	1.01	bb

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Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time

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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200309D1_3	10.0	1.59	NO	30.19	1.001	9.41e3	8.81e4	10.1	0.8	1.07	bb
4	200309D1_4	200	1.60	NO	30.21	1.001	1.95e5	9.25e4	199	-0.4	1.06	bb
5	200309D1_5	1500	1.56	NO	30.19	1.000	1.64e6	9.85e4	1570	4.6	1.11	bb
6	200309D1_6	50.0	1.59	NO	30.19	1.000	3.92e4	7.68e4	48.2	-3.7	1.02	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 1.08299

RRF SD: 0.038965, Relative SD: 3.59793

Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	1.27	NO	32.87	1.000	9.32e2	7.17e4	1.20	-3.9	1.04	bd
2	200309D1_2	2.50	1.18	NO	32.89	1.000	1.90e3	6.72e4	2.61	4.3	1.13	bd
3	200309D1_3	10.0	1.24	NO	32.89	1.001	7.56e3	6.92e4	10.1	0.8	1.09	bd
4	200309D1_4	200	1.25	NO	32.90	1.000	1.60e5	7.40e4	200	-0.1	1.08	dd
5	200309D1_5	1500	1.24	NO	32.89	1.000	1.35e6	8.03e4	1550	3.3	1.12	dd
6	200309D1_6	50.0	1.27	NO	32.90	1.001	3.35e4	6.48e4	47.8	-4.4	1.04	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.04248

RRF SD: 0.0426252, Relative SD: 4.08882

Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	1.22	NO	33.01	1.001	9.80e2	8.01e4	1.17	-6.1	0.979	db
2	200309D1_2	2.50	1.28	NO	33.02	1.001	1.97e3	7.44e4	2.54	1.6	1.06	db
3	200309D1_3	10.0	1.24	NO	33.01	1.000	8.06e3	7.79e4	9.92	-0.8	1.03	db
4	200309D1_4	200	1.25	NO	33.02	1.000	1.76e5	8.37e4	201	0.7	1.05	db
5	200309D1_5	1500	1.25	NO	33.02	1.001	1.46e6	8.80e4	1590	6.3	1.11	db
6	200309D1_6	50.0	1.26	NO	33.02	1.001	3.62e4	7.06e4	49.2	-1.7	1.02	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.11095

RRF SD: 0.0463148, Relative SD: 4.16894

Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	1.18	NO	33.59	1.000	9.35e2	7.20e4	1.17	-6.5	1.04	bb
2	200309D1_2	2.50	1.26	NO	33.60	1.000	1.86e3	6.61e4	2.53	1.3	1.13	bb
3	200309D1_3	10.0	1.25	NO	33.59	1.000	7.62e3	7.02e4	9.77	-2.3	1.09	bb
4	200309D1_4	200	1.26	NO	33.61	1.000	1.69e5	7.56e4	202	0.8	1.12	bb
5	200309D1_5	1500	1.24	NO	33.60	1.001	1.42e6	8.06e4	1590	6.0	1.18	bb
6	200309D1_6	50.0	1.27	NO	33.60	1.000	3.50e4	6.26e4	50.3	0.7	1.12	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 1.05671

RRF SD: 0.0544012, Relative SD: 5.14816

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	1.16	NO	34.53	1.001	7.41e2	5.94e4	1.18	-5.5	0.999	MM
2	200309D1_2	2.50	1.24	NO	34.53	1.001	1.40e3	5.56e4	2.37	-5.0	1.00	bb
3	200309D1_3	10.0	1.24	NO	34.53	1.001	6.08e3	5.62e4	10.2	2.4	1.08	bb
4	200309D1_4	200	1.24	NO	34.53	1.000	1.35e5	6.28e4	204	1.8	1.08	bb
5	200309D1_5	1500	1.24	NO	34.53	1.001	1.16e6	6.79e4	1620	8.1	1.14	bb
6	200309D1_6	50.0	1.29	NO	34.53	1.000	2.76e4	5.32e4	49.1	-1.8	1.04	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.12811

RRF SD: 0.0801215, Relative SD: 7.10229

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	0.99	NO	36.32	1.001	7.86e2	6.36e4	1.10	-12.3	0.989	bb
2	200309D1_2	2.50	0.99	NO	36.34	1.001	1.64e3	5.53e4	2.63	5.1	1.19	bb

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Compound name: 1,2,3,4,6,7,8-HpCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200309D1_3	10.0	0.98	NO	36.34	1.001	6.50e3	5.84e4	9.87	-1.3	1.11	bb
4	200309D1_4	200	1.01	NO	36.34	1.000	1.41e5	6.29e4	199	-0.3	1.12	bb
5	200309D1_5	1500	1.04	NO	36.34	1.001	1.26e6	6.88e4	1630	8.5	1.22	bb
6	200309D1_6	50.0	1.03	NO	36.34	1.000	2.92e4	5.16e4	50.2	0.3	1.13	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.33317

RRF SD: 0.0694325, Relative SD: 5.20809

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	1.25	0.90	NO	38.15	1.000	6.45e2	4.04e4	1.20	-4.2	1.28	MM
2	200309D1_2	2.50	0.91	NO	38.15	1.000	1.25e3	3.60e4	2.60	4.1	1.39	bb
3	200309D1_3	10.0	1.13	NO	38.16	1.000	5.08e3	3.98e4	9.58	-4.2	1.28	bb
4	200309D1_4	200	1.03	NO	38.16	1.000	1.18e5	4.51e4	196	-1.9	1.31	bb
5	200309D1_5	1500	1.03	NO	38.16	1.000	1.08e6	4.99e4	1630	8.6	1.45	bb
6	200309D1_6	50.0	1.01	NO	38.16	1.000	2.39e4	3.67e4	48.8	-2.3	1.30	bb

Compound name: OCDF

Response Factor: 0.932771

RRF SD: 0.056358, Relative SD: 6.04199

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	2.50	1.01	NO	41.05	1.000	1.07e3	1.01e5	2.26	-9.6	0.843	MM
2	200309D1_2	5.00	0.92	NO	41.06	1.000	1.94e3	8.54e4	4.86	-2.7	0.907	bb
3	200309D1_3	20.0	0.93	NO	41.07	1.000	8.47e3	9.16e4	19.8	-0.9	0.924	bb
4	200309D1_4	400	0.89	NO	41.07	1.000	2.16e5	1.10e5	419	4.7	0.977	bb
5	200309D1_5	3000	0.90	NO	41.08	1.000	1.90e6	1.26e5	3230	7.6	1.00	bb
6	200309D1_6	100	0.90	NO	41.07	1.000	3.98e4	8.45e4	101	0.9	0.941	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.20655
 RRF SD: 0.128513, Relative SD: 10.6512
 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.74	NO	25.85	1.022	6.81e4	4.86e4	116	16.1	1.40	bb
2	200309D1_2	100	0.75	NO	25.85	1.023	6.95e4	6.31e4	91.3	-8.7	1.10	bb
3	200309D1_3	100	0.76	NO	25.87	1.023	6.75e4	6.45e4	86.8	-13.2	1.05	bb
4	200309D1_4	100	0.80	NO	25.87	1.023	6.74e4	5.33e4	105	4.7	1.26	bb
5	200309D1_5	100	0.74	NO	25.88	1.023	7.20e4	5.70e4	105	4.7	1.26	bb
6	200309D1_6	100	0.75	NO	25.87	1.023	5.65e4	4.86e4	96.3	-3.7	1.16	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.995685
 RRF SD: 0.128012, Relative SD: 12.8567
 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.63	NO	30.47	1.205	5.66e4	4.86e4	117	17.0	1.17	bb
2	200309D1_2	100	0.64	NO	30.47	1.206	5.32e4	6.31e4	84.7	-15.3	0.844	bd
3	200309D1_3	100	0.63	NO	30.47	1.205	5.49e4	6.45e4	85.6	-14.4	0.852	bb
4	200309D1_4	100	0.62	NO	30.47	1.205	5.55e4	5.33e4	105	4.6	1.04	bb
5	200309D1_5	100	0.62	NO	30.47	1.204	6.16e4	5.70e4	109	8.6	1.08	bb
6	200309D1_6	100	0.64	NO	30.47	1.205	4.81e4	4.86e4	99.4	-0.6	0.990	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.678621
 RRF SD: 0.0705651, Relative SD: 10.3983
 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	1.29	NO	33.74	1.014	4.51e4	6.21e4	107	7.1	0.727	bd
2	200309D1_2	100	1.28	NO	33.75	1.015	4.27e4	7.06e4	89.1	-10.9	0.605	bd

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Compound name: 13C-1,2,3,4,7,8-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200309D1_3	100	1.31	NO	33.74	1.014	4.33e4	7.46e4	85.6	-14.4	0.581	bd
4	200309D1_4	100	1.30	NO	33.76	1.014	4.94e4	6.86e4	106	6.1	0.720	bd
5	200309D1_5	100	1.31	NO	33.75	1.014	5.28e4	7.00e4	111	11.2	0.755	bd
6	200309D1_6	100	1.30	NO	33.76	1.015	4.08e4	5.96e4	101	0.9	0.685	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.849636
 RRF SD: 0.0787027, Relative SD: 9.26311
 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	1.40	NO	33.85	1.017	5.91e4	6.21e4	112	12.1	0.952	dd
2	200309D1_2	100	1.28	NO	33.86	1.018	5.50e4	7.06e4	91.7	-8.3	0.779	dd
3	200309D1_3	100	1.34	NO	33.85	1.017	5.52e4	7.46e4	87.1	-12.9	0.740	dd
4	200309D1_4	100	1.39	NO	33.87	1.017	5.99e4	6.86e4	103	2.8	0.873	dd
5	200309D1_5	100	1.27	NO	33.86	1.017	6.33e4	7.00e4	106	6.4	0.904	db
6	200309D1_6	100	1.28	NO	33.86	1.017	5.06e4	5.96e4	99.9	-0.1	0.849	dd

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.798357
 RRF SD: 0.0695869, Relative SD: 8.71626
 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	1.39	NO	34.14	1.026	5.38e4	6.21e4	109	8.6	0.867	dd
2	200309D1_2	100	1.30	NO	34.15	1.026	5.16e4	7.06e4	91.6	-8.4	0.731	dd
3	200309D1_3	100	1.32	NO	34.15	1.026	5.22e4	7.46e4	87.7	-12.3	0.700	dd
4	200309D1_4	100	1.37	NO	34.16	1.026	5.76e4	6.86e4	105	5.2	0.840	dd
5	200309D1_5	100	1.32	NO	34.15	1.026	6.01e4	7.00e4	108	7.6	0.859	bd
6	200309D1_6	100	1.29	NO	34.15	1.026	4.73e4	5.96e4	99.4	-0.6	0.793	dd

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

Response Factor: 0.696902

RRF SD: 0.0877249, Relative SD: 12.5878

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	1.07	NO	37.61	1.131	4.76e4	6.21e4	110	10.1	0.767	bd
2	200309D1_2	100	1.10	NO	37.63	1.131	4.11e4	7.06e4	83.6	-16.4	0.582	bd
3	200309D1_3	100	1.09	NO	37.63	1.131	4.54e4	7.46e4	87.4	-12.6	0.609	bd
4	200309D1_4	100	1.06	NO	37.64	1.131	4.89e4	6.86e4	102	2.2	0.712	bd
5	200309D1_5	100	1.07	NO	37.63	1.131	5.66e4	7.00e4	116	16.0	0.808	bd
6	200309D1_6	100	1.09	NO	37.63	1.131	4.19e4	5.96e4	101	0.8	0.703	bd

Compound name: 13C-OCDD

Response Factor: 0.579001

RRF SD: 0.095468, Relative SD: 16.4884

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	200	0.94	NO	40.82	1.227	7.50e4	6.21e4	209	4.3	0.604	bd
2	200309D1_2	200	0.88	NO	40.84	1.228	6.85e4	7.06e4	168	-16.2	0.485	bd
3	200309D1_3	200	0.87	NO	40.84	1.228	7.19e4	7.46e4	167	-16.7	0.482	bd
4	200309D1_4	200	0.89	NO	40.84	1.227	8.39e4	6.86e4	211	5.5	0.611	bb
5	200309D1_5	200	0.90	NO	40.85	1.228	1.03e5	7.00e4	255	27.4	0.738	bd
6	200309D1_6	200	0.90	NO	40.85	1.228	6.60e4	5.96e4	191	-4.4	0.554	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.12702

RRF SD: 0.101934, Relative SD: 9.04461

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.77	NO	25.06	0.991	1.00e5	8.02e4	111	11.1	1.25	bb
2	200309D1_2	100	0.79	NO	25.04	0.991	1.06e5	1.00e5	94.3	-5.7	1.06	bd

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Compound name: 13C-2,3,7,8-TCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200309D1_3	100	0.79	NO	25.07	0.992	1.05e5	1.08e5	86.3	-13.7	0.972	bd
4	200309D1_4	100	0.77	NO	25.07	0.992	1.05e5	8.88e4	105	5.1	1.18	bd
5	200309D1_5	100	0.75	NO	25.07	0.991	1.13e5	9.48e4	106	5.7	1.19	bd
6	200309D1_6	100	0.77	NO	25.06	0.991	8.90e4	8.10e4	97.4	-2.6	1.10	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.996069

RRF SD: 0.123213, Relative SD: 12.3699

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	1.63	NO	29.26	1.157	9.51e4	8.02e4	119	19.0	1.18	bd
2	200309D1_2	100	1.66	NO	29.26	1.158	8.89e4	1.00e5	89.1	-10.9	0.888	bd
3	200309D1_3	100	1.71	NO	29.26	1.157	9.31e4	1.08e5	86.6	-13.4	0.862	bd
4	200309D1_4	100	1.56	NO	29.28	1.158	9.40e4	8.88e4	106	6.3	1.06	bb
5	200309D1_5	100	1.62	NO	29.28	1.157	9.94e4	9.48e4	105	5.3	1.05	bb
6	200309D1_6	100	1.58	NO	29.28	1.158	7.57e4	8.10e4	93.8	-6.2	0.934	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.969008

RRF SD: 0.126598, Relative SD: 13.0647

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	1.61	NO	30.17	1.193	9.11e4	8.02e4	117	17.1	1.14	bb
2	200309D1_2	100	1.68	NO	30.19	1.194	8.35e4	1.00e5	86.1	-13.9	0.834	bb
3	200309D1_3	100	1.64	NO	30.17	1.193	8.81e4	1.08e5	84.1	-15.9	0.815	bb
4	200309D1_4	100	1.61	NO	30.19	1.194	9.25e4	8.88e4	108	7.6	1.04	bb
5	200309D1_5	100	1.65	NO	30.19	1.193	9.85e4	9.48e4	107	7.2	1.04	bb
6	200309D1_6	100	1.61	NO	30.19	1.194	7.68e4	8.10e4	97.9	-2.1	0.948	bb

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.05776

RRF SD: 0.0965106, Relative SD: 9.12401

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.49	NO	32.86	0.988	7.17e4	6.21e4	109	9.1	1.15	bd
2	200309D1_2	100	0.50	NO	32.87	0.988	6.72e4	7.06e4	90.0	-10.0	0.952	bd
3	200309D1_3	100	0.52	NO	32.86	0.988	6.92e4	7.46e4	87.8	-12.2	0.928	bd
4	200309D1_4	100	0.50	NO	32.89	0.988	7.40e4	6.86e4	102	2.0	1.08	bd
5	200309D1_5	100	0.49	NO	32.87	0.988	8.03e4	7.00e4	108	8.5	1.15	bd
6	200309D1_6	100	0.50	NO	32.87	0.988	6.48e4	5.96e4	103	2.8	1.09	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.17529

RRF SD: 0.103469, Relative SD: 8.80369

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.49	NO	32.98	0.991	8.01e4	6.21e4	110	9.8	1.29	db
2	200309D1_2	100	0.51	NO	32.99	0.992	7.44e4	7.06e4	89.7	-10.3	1.05	db
3	200309D1_3	100	0.50	NO	32.99	0.992	7.79e4	7.46e4	88.9	-11.1	1.04	db
4	200309D1_4	100	0.51	NO	33.01	0.991	8.37e4	6.86e4	104	3.7	1.22	dd
5	200309D1_5	100	0.51	NO	32.99	0.991	8.80e4	7.00e4	107	7.0	1.26	db
6	200309D1_6	100	0.50	NO	33.00	0.991	7.06e4	5.96e4	101	0.9	1.19	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.05681

RRF SD: 0.0990019, Relative SD: 9.36796

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.50	NO	33.58	1.009	7.20e4	6.21e4	110	9.8	1.16	bb
2	200309D1_2	100	0.50	NO	33.59	1.010	6.61e4	7.06e4	88.7	-11.3	0.937	bb

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Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200309D1_3	100	0.49	NO	33.58	1.009	7.02e4	7.46e4	89.1	-10.9	0.942	bd
4	200309D1_4	100	0.51	NO	33.60	1.009	7.56e4	6.86e4	104	4.2	1.10	bd
5	200309D1_5	100	0.51	NO	33.58	1.009	8.06e4	7.00e4	109	8.9	1.15	bb
6	200309D1_6	100	0.51	NO	33.59	1.009	6.26e4	5.96e4	99.4	-0.6	1.05	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.879281

RRF SD: 0.0892233, Relative SD: 10.1473

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.49	NO	34.51	1.037	5.94e4	6.21e4	109	8.8	0.956	bb
2	200309D1_2	100	0.51	NO	34.51	1.037	5.56e4	7.06e4	89.6	-10.4	0.788	bd
3	200309D1_3	100	0.50	NO	34.51	1.037	5.62e4	7.46e4	85.7	-14.3	0.753	bb
4	200309D1_4	100	0.51	NO	34.53	1.037	6.28e4	6.86e4	104	4.1	0.916	bb
5	200309D1_5	100	0.50	NO	34.51	1.037	6.79e4	7.00e4	110	10.3	0.969	bd
6	200309D1_6	100	0.55	NO	34.52	1.037	5.32e4	5.96e4	102	1.6	0.893	bd

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

Response Factor: 0.892598

RRF SD: 0.100339, Relative SD: 11.2413

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.43	NO	36.30	1.091	6.36e4	6.21e4	115	14.7	1.02	bb
2	200309D1_2	100	0.45	NO	36.32	1.092	5.53e4	7.06e4	87.8	-12.2	0.784	bd
3	200309D1_3	100	0.44	NO	36.32	1.092	5.84e4	7.46e4	87.7	-12.3	0.783	bb
4	200309D1_4	100	0.43	NO	36.33	1.091	6.29e4	6.86e4	103	2.6	0.916	bb
5	200309D1_5	100	0.44	NO	36.32	1.091	6.88e4	7.00e4	110	10.0	0.982	bb
6	200309D1_6	100	0.44	NO	36.33	1.092	5.16e4	5.96e4	97.1	-2.9	0.867	bb

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.613443

RRF SD: 0.0778172, Relative SD: 12.6853

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.41	NO	38.14	1.146	4.04e4	6.21e4	106	6.1	0.651	bd
2	200309D1_2	100	0.42	NO	38.15	1.147	3.60e4	7.06e4	83.2	-16.8	0.510	bb
3	200309D1_3	100	0.45	NO	38.15	1.147	3.98e4	7.46e4	87.0	-13.0	0.534	bb
4	200309D1_4	100	0.40	NO	38.15	1.146	4.51e4	6.86e4	107	7.2	0.658	bb
5	200309D1_5	100	0.43	NO	38.15	1.146	4.99e4	7.00e4	116	16.3	0.713	bd
6	200309D1_6	100	0.42	NO	38.15	1.146	3.67e4	5.96e4	100	0.3	0.615	bb

Compound name: 13C-OCDF

Response Factor: 0.741294

RRF SD: 0.118564, Relative SD: 15.9941

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	200	0.84	NO	41.04	1.234	1.01e5	6.21e4	220	9.8	0.814	bd
2	200309D1_2	200	0.85	NO	41.06	1.234	8.54e4	7.06e4	163	-18.3	0.605	bd
3	200309D1_3	200	0.89	NO	41.06	1.234	9.16e4	7.46e4	166	-17.1	0.614	bb
4	200309D1_4	200	0.87	NO	41.06	1.233	1.10e5	6.86e4	217	8.4	0.804	bd
5	200309D1_5	200	0.87	NO	41.07	1.234	1.26e5	7.00e4	243	21.5	0.901	bb
6	200309D1_6	200	0.90	NO	41.06	1.234	8.45e4	5.96e4	191	-4.3	0.709	bd

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.17955

RRF SD: 0.101212, Relative SD: 8.58061

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	0.250			25.87	1.023	1.52e2	4.86e4	0.266	6.3	1.25	bb
2	200309D1_2	0.500			25.90	1.025	3.46e2	6.31e4	0.465	-6.9	1.10	bb

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Compound name: 37CI-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200309D1_3	2.00			25.88	1.024	1.36e3	6.45e4	1.78	-10.9	1.05	bb
4	200309D1_4	40.0			25.90	1.024	2.63e4	5.33e4	41.9	4.6	1.23	bd
5	200309D1_5	200			25.90	1.024	1.49e5	5.70e4	222	11.1	1.31	bb
6	200309D1_6	10.0			25.88	1.024	5.49e3	4.86e4	9.58	-4.2	1.13	bd

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.78	NO	25.29	1.000	4.86e4	4.86e4	100	0.0	1.00	bb
2	200309D1_2	100	0.76	NO	25.27	1.000	6.31e4	6.31e4	100	0.0	1.00	bb
3	200309D1_3	100	0.81	NO	25.29	1.000	6.45e4	6.45e4	100	0.0	1.00	bb
4	200309D1_4	100	0.79	NO	25.29	1.000	5.33e4	5.33e4	100	0.0	1.00	bd
5	200309D1_5	100	0.80	NO	25.30	1.000	5.70e4	5.70e4	100	0.0	1.00	bb
6	200309D1_6	100	0.80	NO	25.29	1.000	4.86e4	4.86e4	100	0.0	1.00	bd

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 9.93014e-017, Relative SD: 9.93014e-015

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.79	NO	23.79	1.000	8.02e4	8.02e4	100	0.0	1.00	bb
2	200309D1_2	100	0.74	NO	23.77	1.000	1.00e5	1.00e5	100	0.0	1.00	bb
3	200309D1_3	100	0.74	NO	23.80	1.000	1.08e5	1.08e5	100	0.0	1.00	bd
4	200309D1_4	100	0.77	NO	23.79	1.000	8.88e4	8.88e4	100	0.0	1.00	bb
5	200309D1_5	100	0.77	NO	23.80	1.000	9.48e4	9.48e4	100	0.0	1.00	bb
6	200309D1_6	100	0.80	NO	23.80	1.000	8.10e4	8.10e4	100	0.0	1.00	bd

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200309D1_1	100	0.49	NO	33.27	1.000	6.21e4	6.21e4	100	0.0	1.00	bb
2	200309D1_2	100	0.51	NO	33.27	1.000	7.06e4	7.06e4	100	0.0	1.00	bb
3	200309D1_3	100	0.51	NO	33.27	1.000	7.46e4	7.46e4	100	0.0	1.00	bb
4	200309D1_4	100	0.52	NO	33.29	1.000	6.86e4	6.86e4	100	0.0	1.00	db
5	200309D1_5	100	0.51	NO	33.28	1.000	7.00e4	7.00e4	100	0.0	1.00	bb
6	200309D1_6	100	0.48	NO	33.28	1.000	5.96e4	5.96e4	100	0.0	1.00	bb

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 09 Mar 2020 11:30:34
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200309D1_1, Date: 09-Mar-2020, Time: 12:30:36, ID: ST200309D1-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.59e2	0.85	NO	0.987	1.000	25.882	25.88	1.001	1.001	0.23670	94.7	0.180	0.237
2	2 1,2,3,7,8-PeCDD	6.61e2	0.66	NO	0.982	1.000	30.488	30.47	1.001	1.000	1.1872	95.0	0.148	1.19
3	3 1,2,3,4,7,8-HxCDD	6.45e2	1.18	NO	1.17	1.000	33.751	33.75	1.000	1.000	1.2168	97.3	0.234	1.22
4	4 1,2,3,6,7,8-HxCDD	7.20e2	1.28	NO	1.04	1.000	33.851	33.86	1.000	1.000	1.1745	94.0	0.231	1.17
5	5 1,2,3,7,8,9-HxCDD	6.16e2	1.14	NO	1.00	1.000	34.170	34.15	1.001	1.000	1.1409	91.3	0.254	1.14
6	6 1,2,3,4,6,7,8-HpCDD	5.97e2	1.12	NO	0.992	1.000	37.626	37.64	1.000	1.001	1.2638	101	0.133	1.26
7	7 OCDD	9.32e2	0.91	NO	1.04	1.000	40.819	40.83	1.000	1.000	2.4013	96.1	0.241	2.40
8	8 2,3,7,8-TCDF	2.28e2	0.66	NO	0.882	1.000	25.081	25.06	1.001	1.000	0.25760	103	0.116	0.258
9	9 1,2,3,7,8-PeCDF	1.15e3	1.46	NO	1.05	1.000	29.280	29.28	1.001	1.001	1.1551	92.4	0.0925	1.16
10	10 2,3,4,7,8-PeCDF	1.25e3	1.66	NO	1.06	1.000	30.195	30.19	1.001	1.001	1.2951	104	0.0825	1.30
11	11 1,2,3,4,7,8-HxCDF	9.32e2	1.27	NO	1.08	1.000	32.863	32.87	1.000	1.000	1.2013	96.1	0.101	1.20
12	12 1,2,3,6,7,8-HxCDF	9.80e2	1.22	NO	1.04	1.000	32.994	33.01	1.000	1.001	1.1737	93.9	0.0997	1.17
13	13 2,3,4,6,7,8-HxCDF	9.35e2	1.18	NO	1.11	1.000	33.610	33.59	1.001	1.000	1.1686	93.5	0.0998	1.17
14	14 1,2,3,7,8,9-HxCDF	7.41e2	1.16	NO	1.06	1.000	34.509	34.53	1.000	1.001	1.1817	94.5	0.153	1.18
15	15 1,2,3,4,6,7,8-HpCDF	7.86e2	0.99	NO	1.13	1.000	36.334	36.32	1.001	1.001	1.0959	87.7	0.190	1.10
16	16 1,2,3,4,7,8,9-HpCDF	6.45e2	0.90	NO	1.33	1.000	38.142	38.15	1.000	1.000	1.1971	95.8	0.191	1.20
17	17 OCDF	1.07e3	1.01	NO	0.933	1.000	41.039	41.05	1.000	1.000	2.2593	90.4	0.184	2.26
18	18 13C-2,3,7,8-TCDD	6.81e4	0.74	NO	1.21	1.000	25.943	25.85	1.026	1.022	116.14	116	1.31	
19	19 13C-1,2,3,7,8-PeCDD	5.66e4	0.63	NO	0.996	1.000	30.393	30.47	1.202	1.205	117.05	117	0.796	
20	20 13C-1,2,3,4,7,8-HxCDD	4.51e4	1.29	NO	0.679	1.000	33.735	33.74	1.014	1.014	107.10	107	0.951	
21	21 13C-1,2,3,6,7,8-HxCDD	5.91e4	1.40	NO	0.850	1.000	33.845	33.85	1.017	1.017	112.07	112	0.760	
22	22 13C-1,2,3,7,8,9-HxCDD	5.38e4	1.39	NO	0.798	1.000	34.114	34.14	1.025	1.026	108.57	109	0.808	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.76e4	1.07	NO	0.697	1.000	37.561	37.61	1.129	1.131	110.10	110	0.806	
24	24 13C-OCDD	7.50e4	0.94	NO	0.579	1.000	40.569	40.82	1.219	1.227	208.67	104	1.85	
25	25 13C-2,3,7,8-TCDF	1.00e5	0.77	NO	1.13	1.000	25.033	25.06	0.990	0.991	111.10	111	1.01	
26	26 13C-1,2,3,7,8-PeCDF	9.51e4	1.63	NO	0.996	1.000	29.223	29.26	1.156	1.157	118.96	119	1.13	
27	27 13C-2,3,4,7,8-PeCDF	9.11e4	1.61	NO	0.969	1.000	30.115	30.17	1.191	1.193	117.15	117	1.16	
28	28 13C-1,2,3,4,7,8-HxCDF	7.17e4	0.49	NO	1.06	1.000	32.870	32.86	0.988	0.988	109.10	109	0.930	
29	29 13C-1,2,3,6,7,8-HxCDF	8.01e4	0.49	NO	1.18	1.000	33.003	32.98	0.992	0.991	109.77	110	0.837	
30	30 13C-2,3,4,6,7,8-HxCDF	7.20e4	0.50	NO	1.06	1.000	33.572	33.58	1.009	1.009	109.77	110	0.931	
31	31 13C-1,2,3,7,8,9-HxCDF	5.94e4	0.49	NO	0.879	1.000	34.467	34.51	1.036	1.037	108.76	109	1.12	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Name: 200309D1_1, Date: 09-Mar-2020, Time: 12:30:36, ID: ST200309D1-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.36e4	0.43	NO	0.893	1.000	36.164	36.30	1.087	1.091	114.72	115	0.962	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.04e4	0.41	NO	0.613	1.000	38.160	38.14	1.147	1.146	106.06	106	1.40	
34	34 13C-OCDF	1.01e5	0.84	NO	0.741	1.000	40.722	41.04	1.224	1.234	219.65	110	1.02	
35	35 37Cl-2,3,7,8-TCDD	1.52e2			1.18	1.000	25.941	25.87	1.026	1.023	0.26571	106	0.0945	
36	36 13C-1,2,3,4-TCDD	4.86e4	0.78	NO	1.00	1.000	25.440	25.29	1.000	1.000	100.00	100	1.58	
37	37 13C-1,2,3,4-TCDF	8.02e4	0.79	NO	1.00	1.000	23.970	23.79	1.000	1.000	100.00	100	1.14	
38	38 13C-1,2,3,4,6,9-HxCDF	6.21e4	0.49	NO	1.00	1.000	33.260	33.27	1.000	1.000	100.00	100	0.984	

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Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	3.14e2	0.88	NO	0.987	1.000	25.882	25.85	1.001	1.000	0.45712	91.4	0.151	0.457
2	2 1,2,3,7,8-PeCDD	1.30e3	0.63	NO	0.982	1.000	30.488	30.47	1.001	1.000	2.4865	99.5	0.173	2.49
3	3 1,2,3,4,7,8-HxCDD	1.19e3	1.21	NO	1.17	1.000	33.762	33.76	1.000	1.000	2.3736	94.9	0.211	2.37
4	4 1,2,3,6,7,8-HxCDD	1.47e3	1.34	NO	1.04	1.000	33.862	33.86	1.000	1.000	2.5750	103	0.217	2.58
5	5 1,2,3,7,8,9-HxCDD	1.32e3	1.18	NO	1.00	1.000	34.181	34.16	1.001	1.000	2.5461	102	0.230	2.55
6	6 1,2,3,4,6,7,8-HpCDD	1.03e3	1.03	NO	0.992	1.000	37.637	37.65	1.000	1.001	2.5372	101	0.150	2.54
7	7 OCDD	1.85e3	0.78	NO	1.04	1.000	40.841	40.85	1.000	1.000	5.2302	105	0.302	5.23
8	8 2,3,7,8-TCDF	4.83e2	0.76	NO	0.882	1.000	25.066	25.06	1.001	1.001	0.51421	103	0.101	0.514
9	9 1,2,3,7,8-PeCDF	2.47e3	1.57	NO	1.05	1.000	29.280	29.28	1.001	1.001	2.6630	107	0.0882	2.66
10	10 2,3,4,7,8-PeCDF	2.10e3	1.72	NO	1.06	1.000	30.216	30.19	1.001	1.000	2.3750	95.0	0.0901	2.38
11	11 1,2,3,4,7,8-HxCDF	1.90e3	1.18	NO	1.08	1.000	32.874	32.89	1.000	1.000	2.6075	104	0.0890	2.61
12	12 1,2,3,6,7,8-HxCDF	1.97e3	1.28	NO	1.04	1.000	33.005	33.02	1.000	1.001	2.5390	102	0.0914	2.54
13	13 2,3,4,6,7,8-HxCDF	1.86e3	1.26	NO	1.11	1.000	33.621	33.60	1.001	1.000	2.5318	101	0.102	2.53
14	14 1,2,3,7,8,9-HxCDF	1.40e3	1.24	NO	1.06	1.000	34.509	34.53	1.000	1.001	2.3747	95.0	0.146	2.37
15	15 1,2,3,4,6,7,8-HpCDF	1.64e3	0.99	NO	1.13	1.000	36.356	36.34	1.001	1.001	2.6271	105	0.121	2.63
16	16 1,2,3,4,7,8,9-HpCDF	1.25e3	0.91	NO	1.33	1.000	38.152	38.15	1.000	1.000	2.6032	104	0.135	2.60
17	17 OCDF	1.94e3	0.92	NO	0.933	1.000	41.060	41.06	1.000	1.000	4.8641	97.3	0.263	4.86
18	18 13C-2,3,7,8-TCDD	6.95e4	0.75	NO	1.21	1.000	25.927	25.85	1.026	1.023	91.317	91.3	0.806	
19	19 13C-1,2,3,7,8-PeCDD	5.32e4	0.64	NO	0.996	1.000	30.375	30.47	1.202	1.206	84.744	84.7	0.624	
20	20 13C-1,2,3,4,7,8-HxCDD	4.27e4	1.28	NO	0.679	1.000	33.735	33.75	1.014	1.015	89.104	89.1	0.804	
21	21 13C-1,2,3,6,7,8-HxCDD	5.50e4	1.28	NO	0.850	1.000	33.845	33.86	1.017	1.018	91.724	91.7	0.642	
22	22 13C-1,2,3,7,8,9-HxCDD	5.16e4	1.30	NO	0.798	1.000	34.114	34.15	1.025	1.026	91.609	91.6	0.684	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.11e4	1.10	NO	0.697	1.000	37.561	37.63	1.129	1.131	83.563	83.6	0.824	
24	24 13C-OCDD	6.85e4	0.88	NO	0.579	1.000	40.568	40.84	1.219	1.228	167.58	83.8	1.10	
25	25 13C-2,3,7,8-TCDF	1.06e5	0.79	NO	1.13	1.000	25.018	25.04	0.990	0.991	94.333	94.3	0.693	
26	26 13C-1,2,3,7,8-PeCDF	8.89e4	1.66	NO	0.996	1.000	29.205	29.26	1.156	1.158	89.102	89.1	0.594	
27	27 13C-2,3,4,7,8-PeCDF	8.35e4	1.68	NO	0.969	1.000	30.097	30.19	1.191	1.194	86.064	86.1	0.610	
28	28 13C-1,2,3,4,7,8-HxCDF	6.72e4	0.50	NO	1.06	1.000	32.870	32.87	0.988	0.988	89.967	90.0	0.773	
29	29 13C-1,2,3,6,7,8-HxCDF	7.44e4	0.51	NO	1.18	1.000	33.003	32.99	0.992	0.992	89.740	89.7	0.696	
30	30 13C-2,3,4,6,7,8-HxCDF	6.61e4	0.50	NO	1.06	1.000	33.572	33.59	1.009	1.010	88.678	88.7	0.774	
31	31 13C-1,2,3,7,8,9-HxCDF	5.56e4	0.51	NO	0.879	1.000	34.467	34.51	1.036	1.037	89.599	89.6	0.930	
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.53e4	0.45	NO	0.893	1.000	36.164	36.32	1.087	1.092	87.812	87.8	0.737	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.60e4	0.42	NO	0.613	1.000	38.160	38.15	1.147	1.147	83.156	83.2	1.07	
34	34 13C-OCDF	8.54e4	0.85	NO	0.741	1.000	40.721	41.06	1.224	1.234	163.34	81.7	0.958	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	3.46e2			1.18	1.000	25.925	25.90	1.026	1.025	0.46531	93.1	0.0580	
36	36 13C-1,2,3,4-TCDD	6.31e4	0.76	NO	1.00	1.000	25.440	25.27	1.000	1.000	100.00	100	0.973	
37	37 13C-1,2,3,4-TCDF	1.00e5	0.74	NO	1.00	1.000	23.970	23.77	1.000	1.000	100.00	100	0.781	
38	38 13C-1,2,3,4,6,9-HxCDF	7.06e4	0.51	NO	1.00	1.000	33.260	33.27	1.000	1.000	100.00	100	0.818	

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Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time
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Name: 200309D1_3, Date: 09-Mar-2020, Time: 13:58:44, ID: ST200309D1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.33e3	0.84	NO	0.987	1.000	25.898	25.88	1.001	1.001	1.9943	99.7	0.132	1.99
2	2 1,2,3,7,8-PeCDD	5.19e3	0.68	NO	0.982	1.000	30.488	30.47	1.001	1.000	9.6066	96.1	0.122	9.61
3	3 1,2,3,4,7,8-HxCDD	5.25e3	1.21	NO	1.17	1.000	33.751	33.76	1.000	1.001	10.317	103	0.203	10.3
4	4 1,2,3,6,7,8-HxCDD	5.81e3	1.28	NO	1.04	1.000	33.851	33.86	1.000	1.000	10.153	102	0.202	10.2
5	5 1,2,3,7,8,9-HxCDD	5.12e3	1.23	NO	1.00	1.000	34.181	34.16	1.001	1.000	9.7729	97.7	0.222	9.77
6	6 1,2,3,4,6,7,8-HpCDD	4.11e3	1.06	NO	0.992	1.000	37.637	37.64	1.000	1.000	9.1270	91.3	0.292	9.13
7	7 OCDD	7.01e3	0.98	NO	1.04	1.000	40.841	40.85	1.000	1.000	18.831	94.2	0.499	18.8
8	8 2,3,7,8-TCDF	1.84e3	0.88	NO	0.882	1.000	25.097	25.07	1.001	1.000	1.9875	99.4	0.0873	1.99
9	9 1,2,3,7,8-PeCDF	9.45e3	1.52	NO	1.05	1.000	29.280	29.28	1.001	1.001	9.7097	97.1	0.108	9.71
10	10 2,3,4,7,8-PeCDF	9.41e3	1.59	NO	1.06	1.000	30.195	30.19	1.001	1.001	10.078	101	0.108	10.1
11	11 1,2,3,4,7,8-HxCDF	7.56e3	1.24	NO	1.08	1.000	32.863	32.89	1.000	1.001	10.081	101	0.187	10.1
12	12 1,2,3,6,7,8-HxCDF	8.06e3	1.24	NO	1.04	1.000	33.005	33.01	1.000	1.000	9.9232	99.2	0.180	9.92
13	13 2,3,4,6,7,8-HxCDF	7.62e3	1.25	NO	1.11	1.000	33.610	33.59	1.001	1.000	9.7731	97.7	0.204	9.77
14	14 1,2,3,7,8,9-HxCDF	6.08e3	1.24	NO	1.06	1.000	34.509	34.53	1.000	1.001	10.241	102	0.284	10.2
15	15 1,2,3,4,6,7,8-HpCDF	6.50e3	0.98	NO	1.13	1.000	36.356	36.34	1.001	1.001	9.8699	98.7	0.207	9.87
16	16 1,2,3,4,7,8,9-HpCDF	5.08e3	1.13	NO	1.33	1.000	38.152	38.16	1.000	1.000	9.5761	95.8	0.214	9.58
17	17 OCDF	8.47e3	0.93	NO	0.933	1.000	41.060	41.07	1.000	1.000	19.817	99.1	0.376	19.8
18	18 13C-2,3,7,8-TCDD	6.75e4	0.76	NO	1.21	1.000	25.943	25.87	1.026	1.023	86.833	86.8	0.686	
19	19 13C-1,2,3,7,8-PeCDD	5.49e4	0.63	NO	0.996	1.000	30.393	30.47	1.202	1.205	85.593	85.6	0.482	
20	20 13C-1,2,3,4,7,8-HxCDD	4.33e4	1.31	NO	0.679	1.000	33.735	33.74	1.014	1.014	85.583	85.6	0.680	
21	21 13C-1,2,3,6,7,8-HxCDD	5.52e4	1.34	NO	0.850	1.000	33.845	33.85	1.017	1.017	87.110	87.1	0.543	
22	22 13C-1,2,3,7,8,9-HxCDD	5.22e4	1.32	NO	0.798	1.000	34.114	34.15	1.025	1.026	87.691	87.7	0.578	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.54e4	1.09	NO	0.697	1.000	37.561	37.63	1.129	1.131	87.366	87.4	0.858	
24	24 13C-OCDD	7.19e4	0.87	NO	0.579	1.000	40.569	40.84	1.219	1.228	166.63	83.3	1.24	
25	25 13C-2,3,7,8-TCDF	1.05e5	0.79	NO	1.13	1.000	25.033	25.07	0.990	0.992	86.283	86.3	0.579	
26	26 13C-1,2,3,7,8-PeCDF	9.31e4	1.71	NO	0.996	1.000	29.223	29.26	1.156	1.157	86.564	86.6	0.597	
27	27 13C-2,3,4,7,8-PeCDF	8.81e4	1.64	NO	0.969	1.000	30.115	30.17	1.191	1.193	84.144	84.1	0.613	
28	28 13C-1,2,3,4,7,8-HxCDF	6.92e4	0.52	NO	1.06	1.000	32.870	32.86	0.988	0.988	87.755	87.8	0.692	
29	29 13C-1,2,3,6,7,8-HxCDF	7.79e4	0.50	NO	1.18	1.000	33.003	32.99	0.992	0.992	88.899	88.9	0.623	
30	30 13C-2,3,4,6,7,8-HxCDF	7.02e4	0.49	NO	1.06	1.000	33.572	33.58	1.009	1.009	89.104	89.1	0.693	
31	31 13C-1,2,3,7,8,9-HxCDF	5.62e4	0.50	NO	0.879	1.000	34.467	34.51	1.036	1.037	85.675	85.7	0.833	
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.84e4	0.44	NO	0.893	1.000	36.164	36.32	1.087	1.092	87.725	87.7	0.660	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.98e4	0.45	NO	0.613	1.000	38.160	38.15	1.147	1.147	87.041	87.0	0.961	
34	34 13C-OCDF	9.16e4	0.89	NO	0.741	1.000	40.722	41.06	1.224	1.234	165.73	82.9	0.674	

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Name: 200309D1_3, Date: 09-Mar-2020, Time: 13:58:44, ID: ST200309D1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	1.36e3			1.18	1.000	25.941	25.88	1.026	1.024	1.7827	89.1	0.0590	
36	36 13C-1,2,3,4-TCDD	6.45e4	0.81	NO	1.00	1.000	25.440	25.29	1.000	1.000	100.00	100	0.827	
37	37 13C-1,2,3,4-TCDF	1.08e5	0.74	NO	1.00	1.000	23.970	23.80	1.000	1.000	100.00	100	0.652	
38	38 13C-1,2,3,4,6,9-HxCDF	7.46e4	0.51	NO	1.00	1.000	33.260	33.27	1.000	1.000	100.00	100	0.732	

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Name: 200309D1_4, Date: 09-Mar-2020, Time: 14:43:39, ID: ST200309D1-4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.62e4	0.78	NO	0.987	1.000	25.898	25.90	1.001	1.001	39.325	98.3	0.180	39.3
2	2 1,2,3,7,8-PeCDD	1.12e5	0.62	NO	0.982	1.000	30.488	30.49	1.001	1.001	205.44	103	0.238	205
3	3 1,2,3,4,7,8-HxCDD	1.15e5	1.27	NO	1.17	1.000	33.773	33.77	1.000	1.000	199.05	99.5	0.343	199
4	4 1,2,3,6,7,8-HxCDD	1.24e5	1.25	NO	1.04	1.000	33.873	33.88	1.000	1.000	199.49	99.7	0.369	199
5	5 1,2,3,7,8,9-HxCDD	1.18e5	1.27	NO	1.00	1.000	34.192	34.17	1.001	1.000	203.80	102	0.410	204
6	6 1,2,3,4,6,7,8-HpCDD	1.01e5	1.07	NO	0.992	1.000	37.648	37.65	1.000	1.000	208.09	104	0.559	208
7	7 OCDD	1.78e5	0.93	NO	1.04	1.000	40.841	40.85	1.000	1.000	409.83	102	0.994	410
8	8 2,3,7,8-TCDF	3.49e4	0.74	NO	0.882	1.000	25.097	25.09	1.001	1.001	37.585	94.0	0.111	37.6
9	9 1,2,3,7,8-PeCDF	1.99e5	1.61	NO	1.05	1.000	29.300	29.30	1.001	1.001	202.61	101	0.285	203
10	10 2,3,4,7,8-PeCDF	1.95e5	1.60	NO	1.06	1.000	30.216	30.21	1.001	1.001	199.26	99.6	0.284	199
11	11 1,2,3,4,7,8-HxCDF	1.60e5	1.25	NO	1.08	1.000	32.885	32.90	1.000	1.000	199.76	99.9	0.474	200
12	12 1,2,3,6,7,8-HxCDF	1.76e5	1.25	NO	1.04	1.000	33.016	33.02	1.000	1.000	201.37	101	0.492	201
13	13 2,3,4,6,7,8-HxCDF	1.69e5	1.26	NO	1.11	1.000	33.632	33.61	1.001	1.000	201.62	101	0.518	202
14	14 1,2,3,7,8,9-HxCDF	1.35e5	1.24	NO	1.06	1.000	34.531	34.53	1.000	1.000	203.64	102	0.758	204
15	15 1,2,3,4,6,7,8-HpCDF	1.41e5	1.01	NO	1.13	1.000	36.367	36.34	1.001	1.000	199.39	99.7	0.583	199
16	16 1,2,3,4,7,8,9-HpCDF	1.18e5	1.03	NO	1.33	1.000	38.153	38.16	1.000	1.000	196.14	98.1	0.588	196
17	17 OCDF	2.16e5	0.89	NO	0.933	1.000	41.061	41.07	1.000	1.000	418.95	105	0.740	419
18	18 13C-2,3,7,8-TCDD	6.74e4	0.80	NO	1.21	1.000	25.943	25.87	1.026	1.023	104.74	105	0.781	
19	19 13C-1,2,3,7,8-PeCDD	5.55e4	0.62	NO	0.996	1.000	30.393	30.47	1.202	1.205	104.59	105	0.335	
20	20 13C-1,2,3,4,7,8-HxCDD	4.94e4	1.30	NO	0.679	1.000	33.757	33.76	1.014	1.014	106.08	106	0.701	
21	21 13C-1,2,3,6,7,8-HxCDD	5.99e4	1.39	NO	0.850	1.000	33.867	33.87	1.017	1.017	102.78	103	0.560	
22	22 13C-1,2,3,7,8,9-HxCDD	5.76e4	1.37	NO	0.798	1.000	34.137	34.16	1.025	1.026	105.18	105	0.596	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.89e4	1.06	NO	0.697	1.000	37.586	37.64	1.129	1.131	102.16	102	0.741	
24	24 13C-OCDD	8.39e4	0.89	NO	0.579	1.000	40.595	40.84	1.219	1.227	211.07	106	1.44	
25	25 13C-2,3,7,8-TCDF	1.05e5	0.77	NO	1.13	1.000	25.033	25.07	0.990	0.992	105.13	105	0.636	
26	26 13C-1,2,3,7,8-PeCDF	9.40e4	1.56	NO	0.996	1.000	29.223	29.28	1.156	1.158	106.33	106	0.706	
27	27 13C-2,3,4,7,8-PeCDF	9.25e4	1.61	NO	0.969	1.000	30.115	30.19	1.191	1.194	107.56	108	0.726	
28	28 13C-1,2,3,4,7,8-HxCDF	7.40e4	0.50	NO	1.06	1.000	32.892	32.89	0.988	0.988	101.98	102	0.732	
29	29 13C-1,2,3,6,7,8-HxCDF	8.37e4	0.51	NO	1.18	1.000	33.025	33.01	0.992	0.991	103.74	104	0.658	
30	30 13C-2,3,4,6,7,8-HxCDF	7.56e4	0.51	NO	1.06	1.000	33.594	33.60	1.009	1.009	104.20	104	0.732	
31	31 13C-1,2,3,7,8,9-HxCDF	6.28e4	0.51	NO	0.879	1.000	34.490	34.53	1.036	1.037	104.13	104	0.880	
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.29e4	0.43	NO	0.893	1.000	36.188	36.33	1.087	1.091	102.64	103	0.760	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.51e4	0.40	NO	0.613	1.000	38.185	38.15	1.147	1.146	107.20	107	1.11	
34	34 13C-OCDF	1.10e5	0.87	NO	0.741	1.000	40.749	41.06	1.224	1.233	216.88	108	0.988	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time

Printed: Monday, March 09, 2020 17:25:37 Pacific Daylight Time

Name: 200309D1_4, Date: 09-Mar-2020, Time: 14:43:39, ID: ST200309D1-4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	2.63e4			1.18	1.000	25.941	25.90	1.026	1.024	41.856	105	0.130	
36	36 13C-1,2,3,4-TCDD	5.33e4	0.79	NO	1.00	1.000	25.440	25.29	1.000	1.000	100.00	100	0.942	
37	37 13C-1,2,3,4-TCDF	8.88e4	0.77	NO	1.00	1.000	23.970	23.79	1.000	1.000	100.00	100	0.717	
38	38 13C-1,2,3,4,6,9-HxCDF	6.86e4	0.52	NO	1.00	1.000	33.260	33.29	1.000	1.000	100.00	100	0.774	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:25:37 Pacific Daylight Time

Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.32e5	0.77	NO	0.987	1.000	25.913	25.90	1.001	1.001	327.37	109	0.234	327
2	2 1,2,3,7,8-PeCDD	9.76e5	0.63	NO	0.982	1.000	30.488	30.49	1.001	1.001	1612.8	108	0.392	1610
3	3 1,2,3,4,7,8-HxCDD	1.01e6	1.25	NO	1.17	1.000	33.762	33.76	1.000	1.000	1623.4	108	0.881	1620
4	4 1,2,3,6,7,8-HxCDD	1.05e6	1.26	NO	1.04	1.000	33.862	33.87	1.000	1.000	1604.8	107	0.891	1600
5	5 1,2,3,7,8,9-HxCDD	1.01e6	1.24	NO	1.00	1.000	34.181	34.16	1.001	1.000	1673.1	112	0.950	1670
6	6 1,2,3,4,6,7,8-HpCDD	9.00e5	1.03	NO	0.992	1.000	37.637	37.64	1.000	1.000	1604.4	107	1.42	1600
7	7 OCDD	1.63e6	0.89	NO	1.04	1.000	40.852	40.86	1.000	1.000	3041.1	101	1.86	3040
8	8 2,3,7,8-TCDF	3.02e5	0.76	NO	0.882	1.000	25.097	25.09	1.001	1.001	303.14	101	0.185	303
9	9 1,2,3,7,8-PeCDF	1.61e6	1.56	NO	1.05	1.000	29.300	29.30	1.001	1.001	1550.4	103	0.447	1550
10	10 2,3,4,7,8-PeCDF	1.64e6	1.56	NO	1.06	1.000	30.216	30.19	1.001	1.000	1569.6	105	0.436	1570
11	11 1,2,3,4,7,8-HxCDF	1.35e6	1.24	NO	1.08	1.000	32.874	32.89	1.000	1.000	1549.7	103	0.869	1550
12	12 1,2,3,6,7,8-HxCDF	1.46e6	1.25	NO	1.04	1.000	33.005	33.02	1.000	1.001	1594.8	106	0.890	1590
13	13 2,3,4,6,7,8-HxCDF	1.42e6	1.24	NO	1.11	1.000	33.610	33.60	1.001	1.001	1590.7	106	0.922	1590
14	14 1,2,3,7,8,9-HxCDF	1.16e6	1.24	NO	1.06	1.000	34.509	34.53	1.000	1.001	1621.1	108	1.27	1620
15	15 1,2,3,4,6,7,8-HpCDF	1.26e6	1.04	NO	1.13	1.000	36.356	36.34	1.001	1.001	1627.7	109	1.18	1630
16	16 1,2,3,4,7,8,9-HpCDF	1.08e6	1.03	NO	1.33	1.000	38.152	38.16	1.000	1.000	1628.7	109	1.18	1630
17	17 OCDF	1.90e6	0.90	NO	0.933	1.000	41.071	41.08	1.000	1.000	3229.2	108	0.975	3230
18	18 13C-2,3,7,8-TCDD	7.20e4	0.74	NO	1.21	1.000	25.959	25.88	1.026	1.023	104.67	105	0.662	
19	19 13C-1,2,3,7,8-PeCDD	6.16e4	0.62	NO	0.996	1.000	30.412	30.47	1.202	1.204	108.60	109	0.305	
20	20 13C-1,2,3,4,7,8-HxCDD	5.28e4	1.31	NO	0.679	1.000	33.746	33.75	1.014	1.014	111.22	111	0.548	
21	21 13C-1,2,3,6,7,8-HxCDD	6.33e4	1.27	NO	0.850	1.000	33.856	33.86	1.017	1.017	106.39	106	0.438	
22	22 13C-1,2,3,7,8,9-HxCDD	6.01e4	1.32	NO	0.798	1.000	34.125	34.15	1.025	1.026	107.57	108	0.466	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.66e4	1.07	NO	0.697	1.000	37.573	37.63	1.129	1.131	115.97	116	0.730	
24	24 13C-OCDD	1.03e5	0.90	NO	0.579	1.000	40.582	40.85	1.219	1.228	254.77	127	1.05	
25	25 13C-2,3,7,8-TCDF	1.13e5	0.75	NO	1.13	1.000	25.048	25.07	0.990	0.991	105.72	106	0.463	
26	26 13C-1,2,3,7,8-PeCDF	9.94e4	1.62	NO	0.996	1.000	29.240	29.28	1.156	1.157	105.26	105	0.710	
27	27 13C-2,3,4,7,8-PeCDF	9.85e4	1.65	NO	0.969	1.000	30.133	30.19	1.191	1.193	107.22	107	0.730	
28	28 13C-1,2,3,4,7,8-HxCDF	8.03e4	0.49	NO	1.06	1.000	32.881	32.87	0.988	0.988	108.45	108	0.611	
29	29 13C-1,2,3,6,7,8-HxCDF	8.80e4	0.51	NO	1.18	1.000	33.014	32.99	0.992	0.991	106.99	107	0.550	
30	30 13C-2,3,4,6,7,8-HxCDF	8.06e4	0.51	NO	1.06	1.000	33.583	33.58	1.009	1.009	108.86	109	0.612	
31	31 13C-1,2,3,7,8,9-HxCDF	6.79e4	0.50	NO	0.879	1.000	34.478	34.51	1.036	1.037	110.26	110	0.735	
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.88e4	0.44	NO	0.893	1.000	36.176	36.32	1.087	1.091	110.02	110	0.625	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.99e4	0.43	NO	0.613	1.000	38.172	38.15	1.147	1.146	116.26	116	0.910	
34	34 13C-OCDF	1.26e5	0.87	NO	0.741	1.000	40.735	41.07	1.224	1.234	243.03	122	0.651	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time

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Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	1.49e5			1.18	1.000	25.956	25.90	1.026	1.024	222.19	111	0.107	
36	36 13C-1,2,3,4-TCDD	5.70e4	0.80	NO	1.00	1.000	25.440	25.30	1.000	1.000	100.00	100	0.799	
37	37 13C-1,2,3,4-TCDF	9.48e4	0.77	NO	1.00	1.000	23.970	23.80	1.000	1.000	100.00	100	0.522	
38	38 13C-1,2,3,4,6,9-HxCDF	7.00e4	0.51	NO	1.00	1.000	33.260	33.28	1.000	1.000	100.00	100	0.646	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 17:20:28 Pacific Daylight Time

Printed: Monday, March 09, 2020 17:25:37 Pacific Daylight Time

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	5.95e3	0.84	NO	0.987	1.000	25.898	25.90	1.001	1.001	10.674	107	0.194	10.7
2	2 1,2,3,7,8-PeCDD	2.35e4	0.63	NO	0.982	1.000	30.488	30.49	1.001	1.001	49.627	99.3	0.344	49.6
3	3 1,2,3,4,7,8-HxCDD	2.32e4	1.30	NO	1.17	1.000	33.773	33.77	1.000	1.000	48.395	96.8	0.509	48.4
4	4 1,2,3,6,7,8-HxCDD	2.48e4	1.22	NO	1.04	1.000	33.862	33.87	1.000	1.000	47.392	94.8	0.461	47.4
5	5 1,2,3,7,8,9-HxCDD	2.27e4	1.22	NO	1.00	1.000	34.181	34.17	1.001	1.001	47.860	95.7	0.560	47.9
6	6 1,2,3,4,6,7,8-HpCDD	1.97e4	1.03	NO	0.992	1.000	37.637	37.65	1.000	1.001	47.566	95.1	0.441	47.6
7	7 OCDD	3.46e4	0.91	NO	1.04	1.000	40.852	40.86	1.000	1.000	101.37	101	0.624	101
8	8 2,3,7,8-TCDF	7.83e3	0.74	NO	0.882	1.000	25.082	25.07	1.001	1.001	9.9734	99.7	0.156	9.97
9	9 1,2,3,7,8-PeCDF	3.93e4	1.62	NO	1.05	1.000	29.300	29.28	1.001	1.000	49.656	99.3	0.270	49.7
10	10 2,3,4,7,8-PeCDF	3.92e4	1.59	NO	1.06	1.000	30.216	30.19	1.001	1.000	48.173	96.3	0.249	48.2
11	11 1,2,3,4,7,8-HxCDF	3.35e4	1.27	NO	1.08	1.000	32.874	32.90	1.000	1.001	47.795	95.6	0.276	47.8
12	12 1,2,3,6,7,8-HxCDF	3.62e4	1.26	NO	1.04	1.000	33.005	33.02	1.000	1.001	49.151	98.3	0.297	49.2
13	13 2,3,4,6,7,8-HxCDF	3.50e4	1.27	NO	1.11	1.000	33.621	33.60	1.001	1.000	50.326	101	0.319	50.3
14	14 1,2,3,7,8,9-HxCDF	2.76e4	1.29	NO	1.06	1.000	34.520	34.53	1.000	1.000	49.086	98.2	0.440	49.1
15	15 1,2,3,4,6,7,8-HpCDF	2.92e4	1.03	NO	1.13	1.000	36.367	36.34	1.001	1.000	50.171	100	0.440	50.2
16	16 1,2,3,4,7,8,9-HpCDF	2.39e4	1.01	NO	1.33	1.000	38.153	38.16	1.000	1.000	48.848	97.7	0.441	48.8
17	17 OCDF	3.98e4	0.90	NO	0.933	1.000	41.061	41.07	1.000	1.000	100.89	101	0.581	101
18	18 13C-2,3,7,8-TCDD	5.65e4	0.75	NO	1.21	1.000	25.943	25.87	1.026	1.023	96.302	96.3	0.696	
19	19 13C-1,2,3,7,8-PeCDD	4.81e4	0.64	NO	0.996	1.000	30.393	30.47	1.202	1.205	99.417	99.4	0.255	
20	20 13C-1,2,3,4,7,8-HxCDD	4.08e4	1.30	NO	0.679	1.000	33.746	33.76	1.014	1.015	100.91	101	0.783	
21	21 13C-1,2,3,6,7,8-HxCDD	5.06e4	1.28	NO	0.850	1.000	33.856	33.86	1.017	1.017	99.923	99.9	0.625	
22	22 13C-1,2,3,7,8,9-HxCDD	4.73e4	1.29	NO	0.798	1.000	34.126	34.15	1.025	1.026	99.381	99.4	0.666	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.19e4	1.09	NO	0.697	1.000	37.574	37.63	1.129	1.131	100.84	101	0.763	
24	24 13C-OCDD	6.60e4	0.90	NO	0.579	1.000	40.582	40.85	1.219	1.228	191.28	95.6	0.964	
25	25 13C-2,3,7,8-TCDF	8.90e4	0.77	NO	1.13	1.000	25.033	25.06	0.990	0.991	97.439	97.4	0.514	
26	26 13C-1,2,3,7,8-PeCDF	7.57e4	1.58	NO	0.996	1.000	29.223	29.28	1.156	1.158	93.786	93.8	0.878	
27	27 13C-2,3,4,7,8-PeCDF	7.68e4	1.61	NO	0.969	1.000	30.115	30.19	1.191	1.194	97.866	97.9	0.902	
28	28 13C-1,2,3,4,7,8-HxCDF	6.48e4	0.50	NO	1.06	1.000	32.881	32.87	0.988	0.988	102.75	103	0.667	
29	29 13C-1,2,3,6,7,8-HxCDF	7.06e4	0.50	NO	1.18	1.000	33.014	33.00	0.992	0.991	100.87	101	0.601	
30	30 13C-2,3,4,6,7,8-HxCDF	6.26e4	0.51	NO	1.06	1.000	33.583	33.59	1.009	1.009	99.391	99.4	0.668	
31	31 13C-1,2,3,7,8,9-HxCDF	5.32e4	0.55	NO	0.879	1.000	34.479	34.52	1.036	1.037	101.58	102	0.803	
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.16e4	0.44	NO	0.893	1.000	36.176	36.33	1.087	1.092	97.081	97.1	0.587	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.67e4	0.42	NO	0.613	1.000	38.173	38.15	1.147	1.146	100.29	100	0.855	
34	34 13C-OCDF	8.45e4	0.90	NO	0.741	1.000	40.735	41.06	1.224	1.234	191.36	95.7	0.540	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	5.49e3			1.18	1.000	25.941	25.88	1.026	1.024	9.5783	95.8	0.129	
36	36 13C-1,2,3,4-TCDD	4.86e4	0.80	NO	1.00	1.000	25.440	25.29	1.000	1.000	100.00	100	0.839	
37	37 13C-1,2,3,4-TCDF	8.10e4	0.80	NO	1.00	1.000	23.970	23.80	1.000	1.000	100.00	100	0.580	
38	38 13C-1,2,3,4,6,9-HxCDF	5.96e4	0.48	NO	1.00	1.000	33.260	33.28	1.000	1.000	100.00	100	0.706	

Dataset: Untitled

Last Altered: Monday, March 09, 2020 17:27:14 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:27:43 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 05 Mar 2020 16:02:56
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-2-27-20.cdb 28 Feb 2020 10:40:27

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.35
2	2 1,2,8,9-TCDD (Last)	26.77
3	3 1,2,4,7,9-PeCDD (First)	28.41
4	4 1,2,3,8,9-PeCDD (Last)	30.85
5	5 1,2,4,6,7,9-HxCDD (First)	32.26
6	6 1,2,3,7,8,9-HxCDD (Last)	34.17
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.74
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.65
9	9 1,3,6,8-TCDF (First)	20.19
10	10 1,2,8,9-TCDF (Last)	26.91
11	11 1,3,4,6,8-PeCDF (First)	26.88
12	12 1,2,3,8,9-PeCDF (Last)	31.07
13	13 1,2,3,4,6,8-HxCDF (First)	31.73
14	14 1,2,3,7,8,9-HxCDF (Last)	34.53
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.34
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.16

Dataset: Untitled

Last Altered: Tuesday, March 10, 2020 09:21:15 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:21:30 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 09 Mar 2020 11:30:34
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-2-27-20.cdb 28 Feb 2020 10:40:27

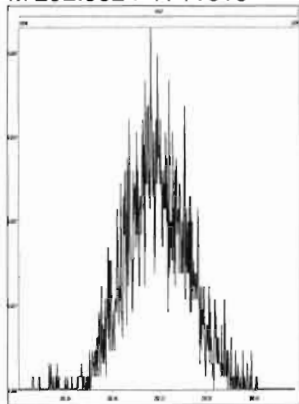
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200309D1_1	ST200309D1-1 1613 CS0 19L2302	09-Mar-20	12:30:36
2	200309D1_2	ST200309D1-2 1613 CS1 19L2303	09-Mar-20	13:13:59
3	200309D1_3	ST200309D1-3 1613 CS2 19L2304	09-Mar-20	13:58:44
4	200309D1_4	ST200309D1-4 1613 CS4 19L2306	09-Mar-20	14:43:39
5	200309D1_5	ST200309D1-5 1613 CS5 19L2307	09-Mar-20	15:28:28
6	200309D1_6	ST200309D1-6 1613 CS3 19L2305	09-Mar-20	16:13:17
7	200309D1_7	SOLVENT BLANK	09-Mar-20	16:58:12
8	200309D1_8	SS200309D1-1 1613 SSS 19L2308	09-Mar-20	17:43:01
9	200309D1_9	B0A0186-BS1 OPR 1	09-Mar-20	18:27:57
10	200309D1_10	SOLVENT BLANK	09-Mar-20	19:12:46
11	200309D1_11	B0B0297-BLK1 Method Blank 1	09-Mar-20	19:57:35
12	200309D1_12	B0A0143-BLK1 Method Blank 10	09-Mar-20	20:42:24
13	200309D1_13	B0A0186-BLK1 Method Blank 1	09-Mar-20	21:27:13
14	200309D1_14	2000418-01 GAIN-D-001-C-022620 1	09-Mar-20	22:12:00
15	200309D1_15	2000141-01 RO Brine 1.02453	09-Mar-20	22:56:48
16	200309D1_16	1902883-12RE1 RBC-LMB-1-5-L 25.01	09-Mar-20	23:40:51

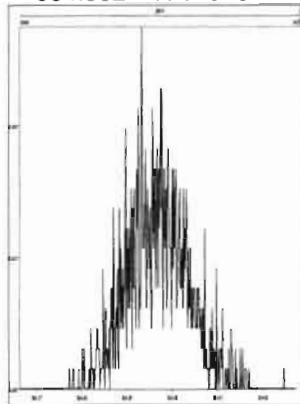
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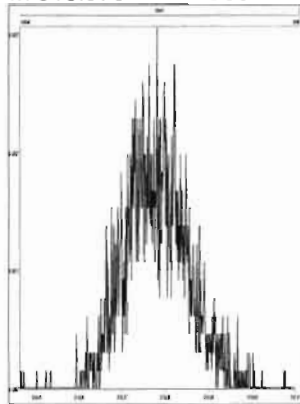
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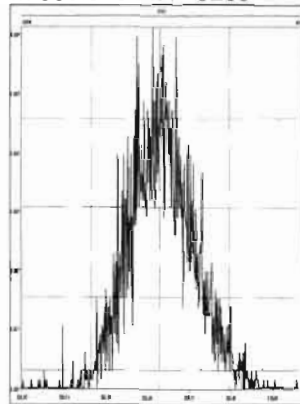
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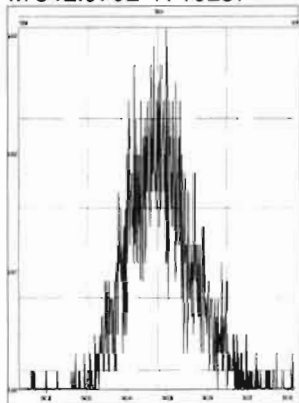
M 318.9792 R 11960



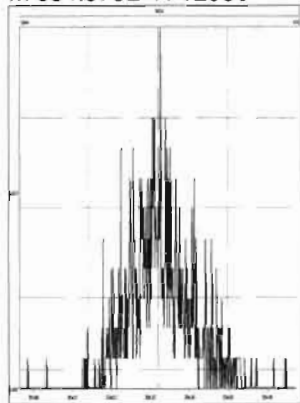
M 330.9792 R 10289



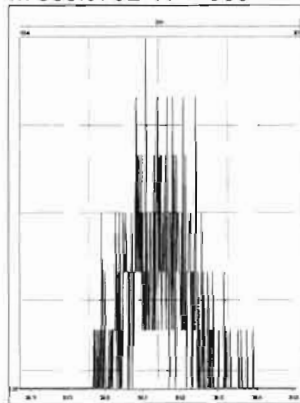
M 342.9792 R 10287



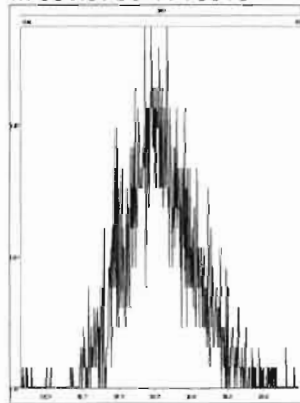
M 354.9792 R 12950



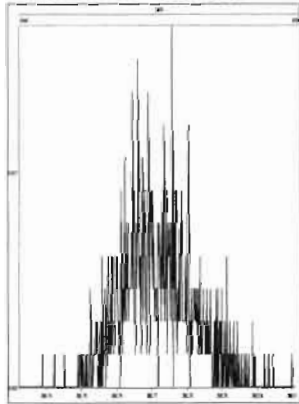
M 366.9792 R 14880



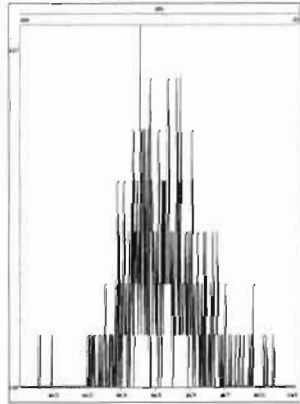
M 380.9760 R 10919



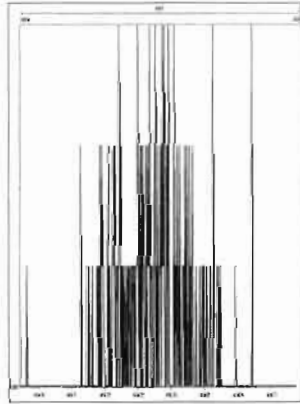
M 392.9760 R 12626



M 404.9760 R 13023



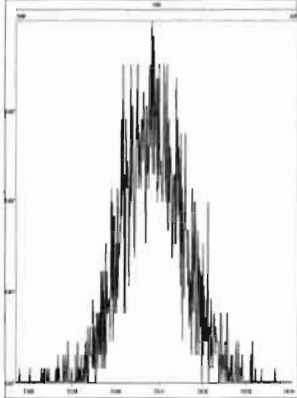
M 416.9760 R 73505



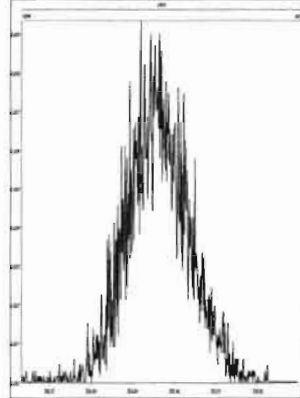
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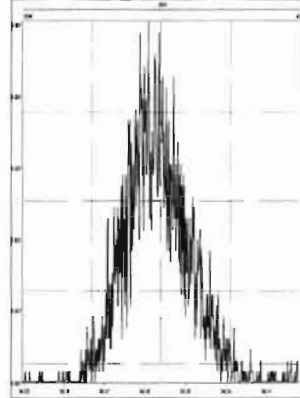
M 318.9792 R 11261



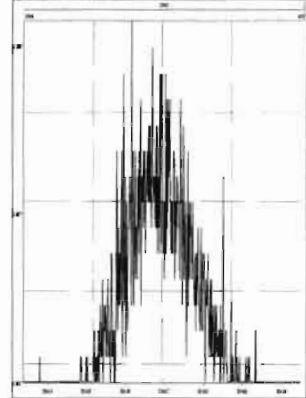
M 330.9792 R 11011



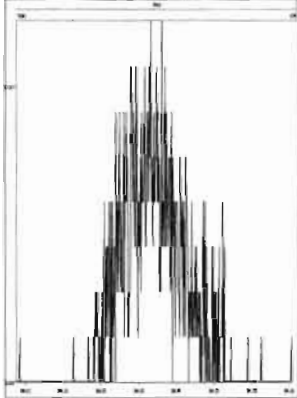
M 342.9792 R 11849



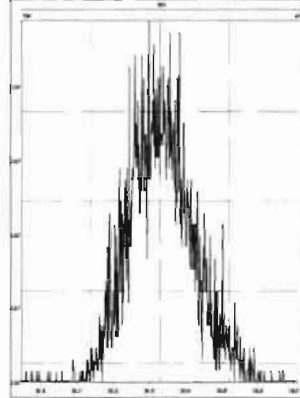
M 354.9792 R 13296



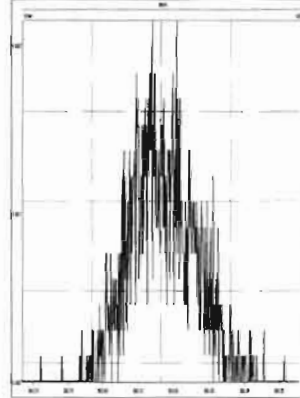
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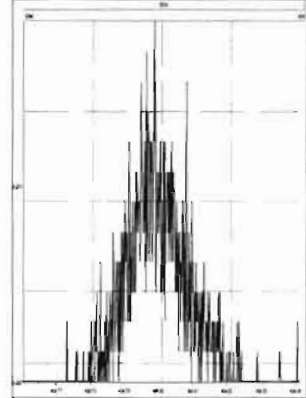
M 380.9760 R 11736



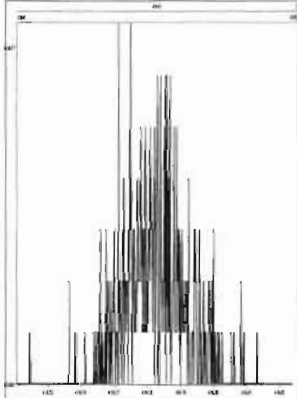
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M 404.9760 R 14792



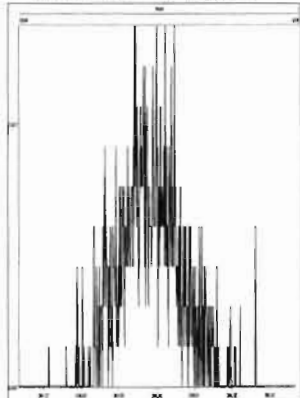
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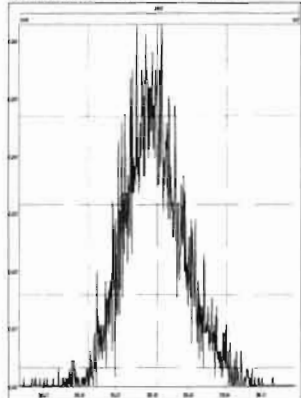
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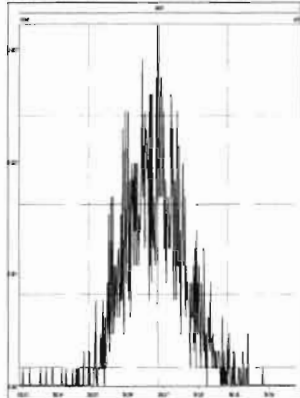
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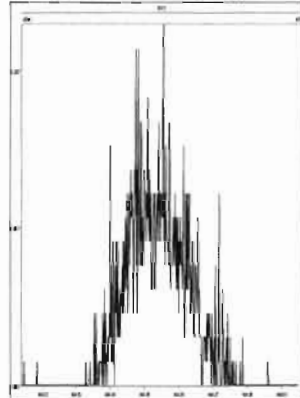
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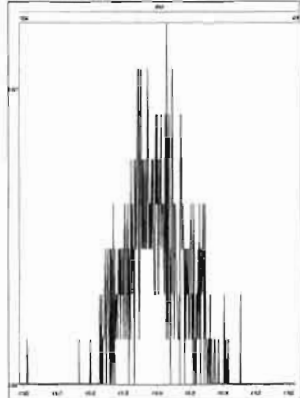
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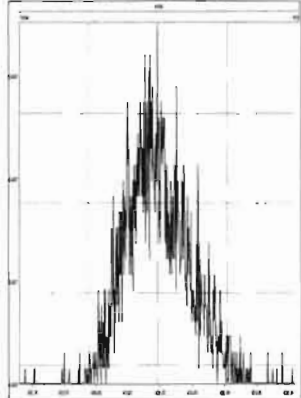
M 404.9760 R 12377



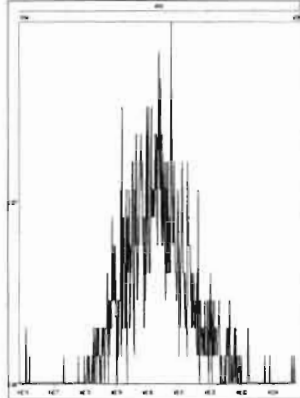
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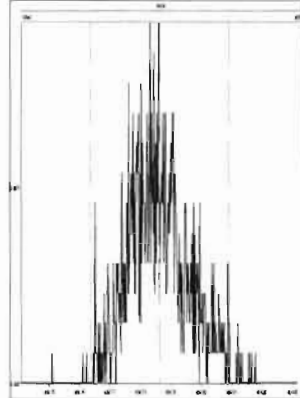
M 430.9728 R 10461



M 442.9728 R 12376



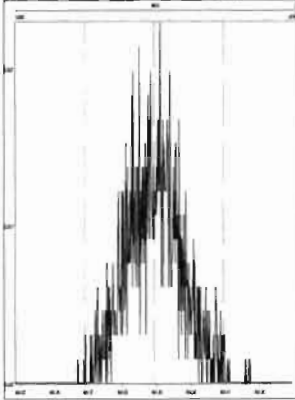
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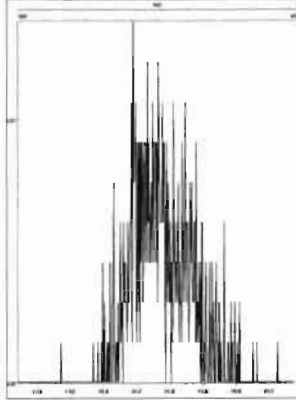
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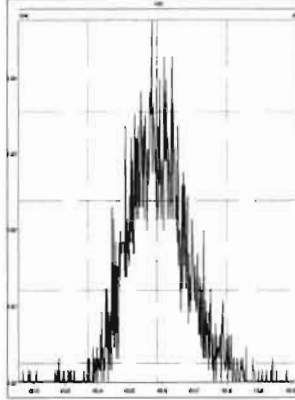
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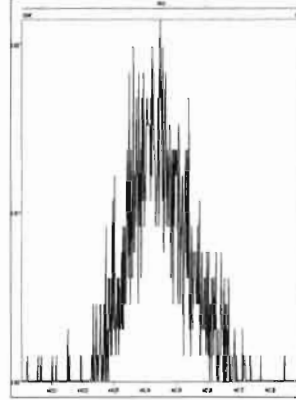
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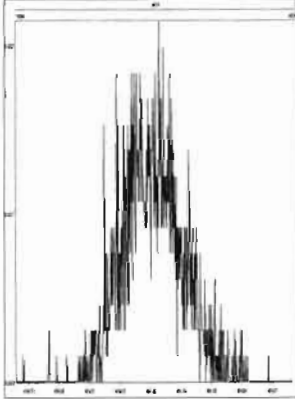
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M 442.9728 R 11521



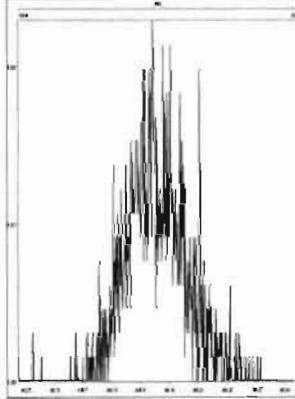
M 454.9728 R 11362



M 466.9728 R 16557



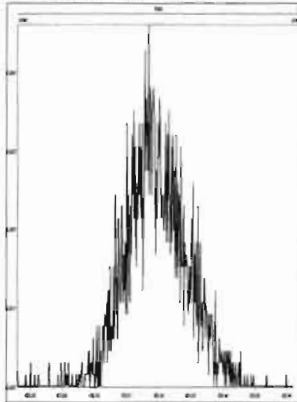
M 480.9696 R 13586



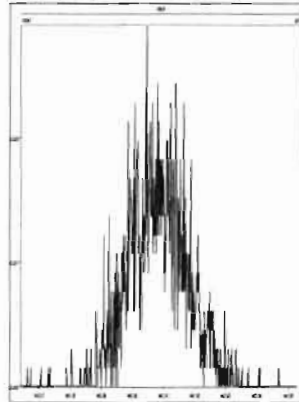
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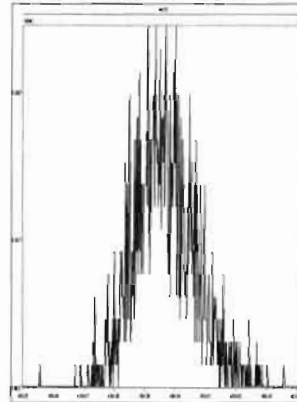
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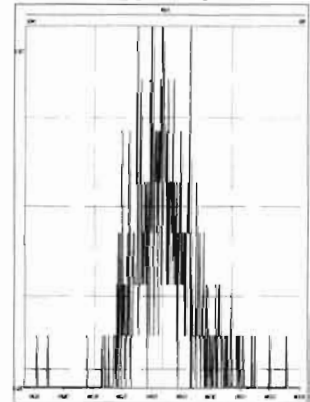
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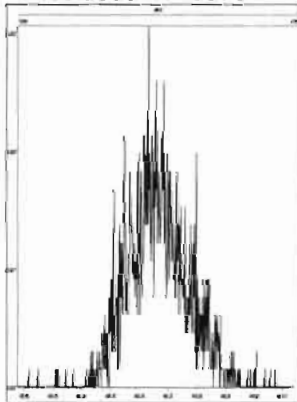
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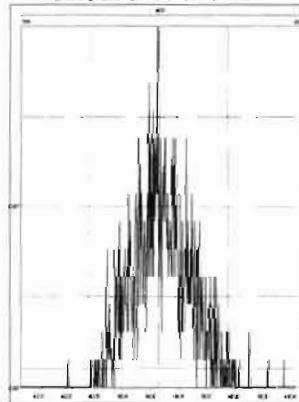
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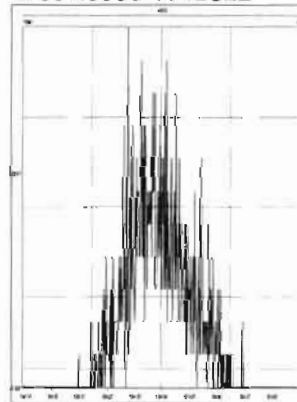
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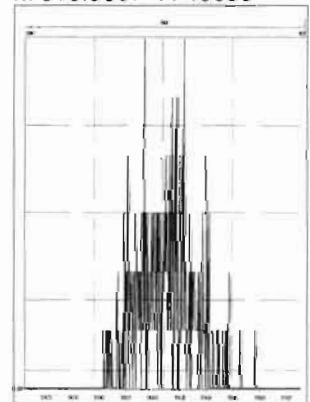
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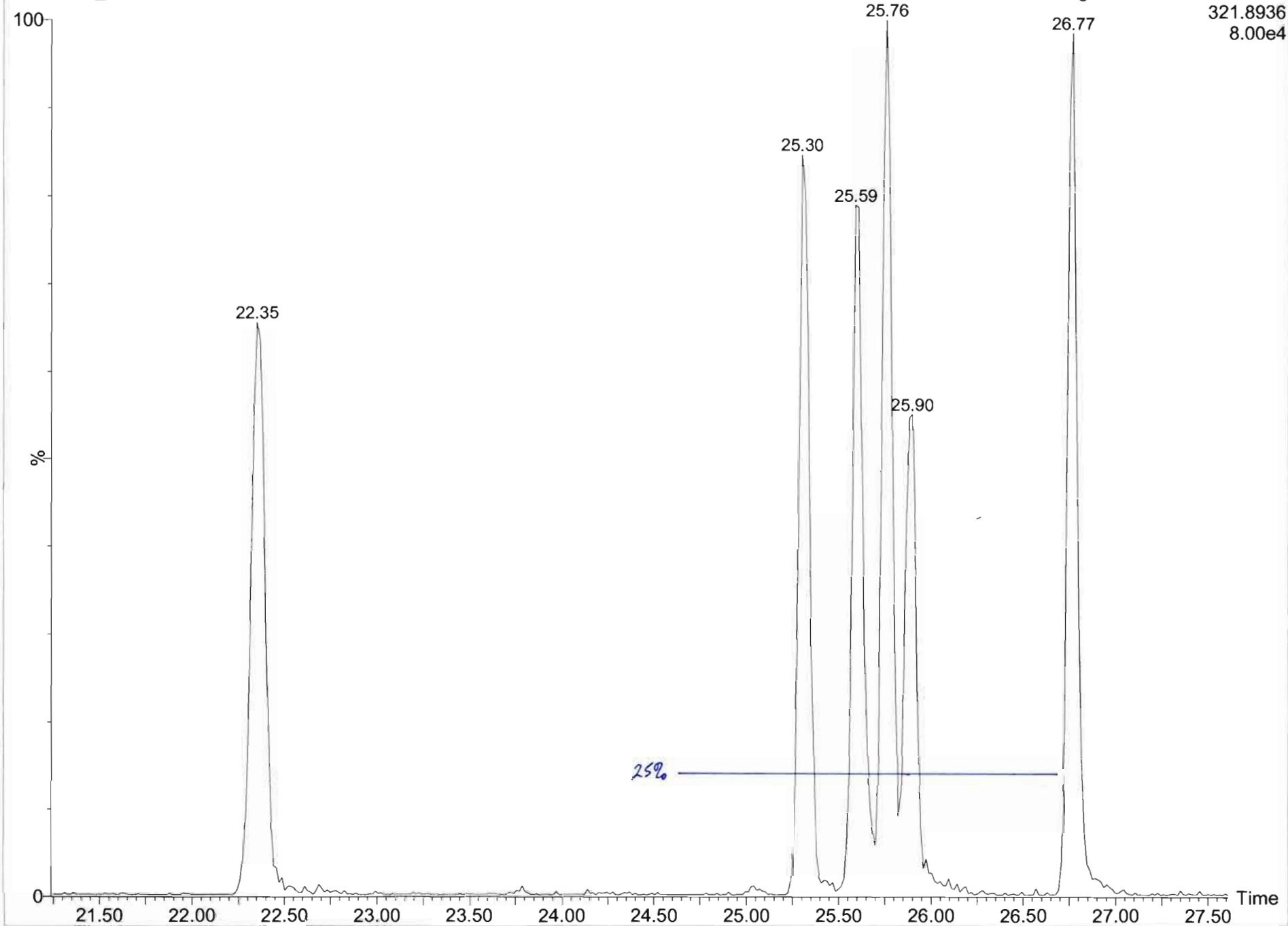


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M 516.9697 R 49006





Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

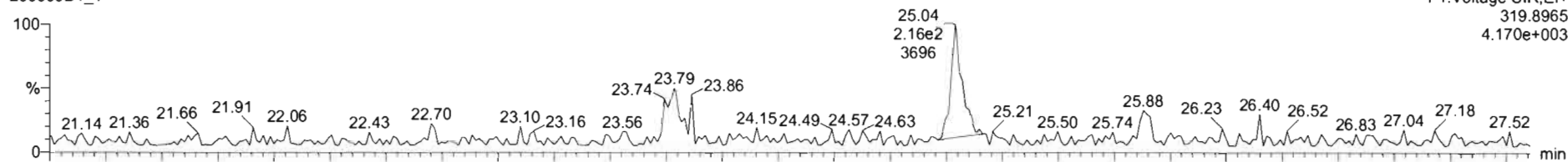
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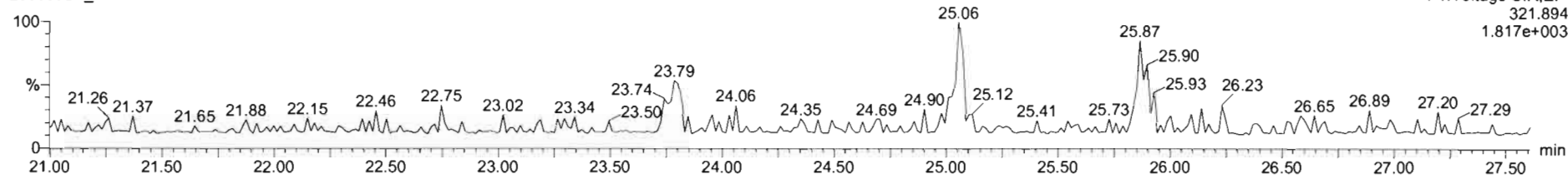
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2,3,7,8-TCDD

200309D1_1

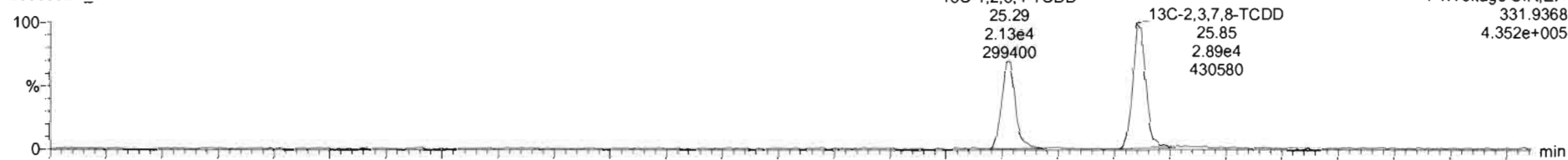


200309D1_1

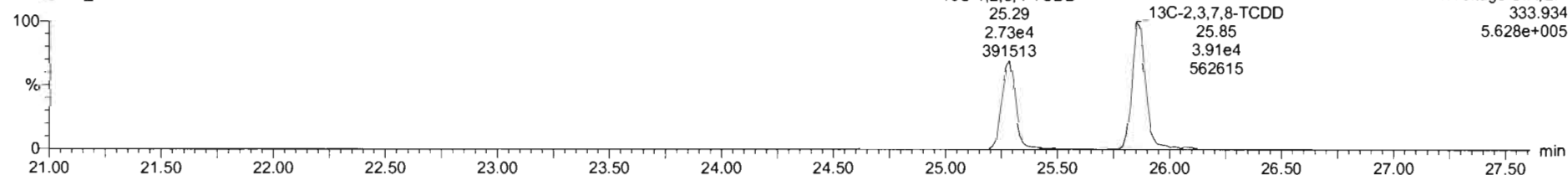


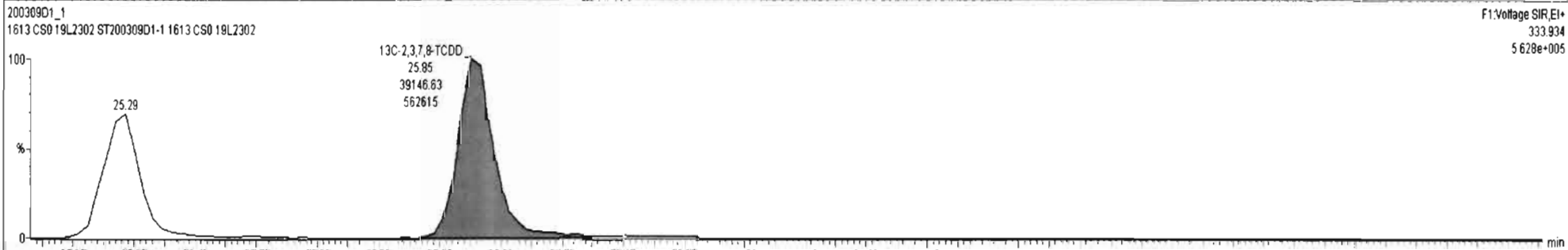
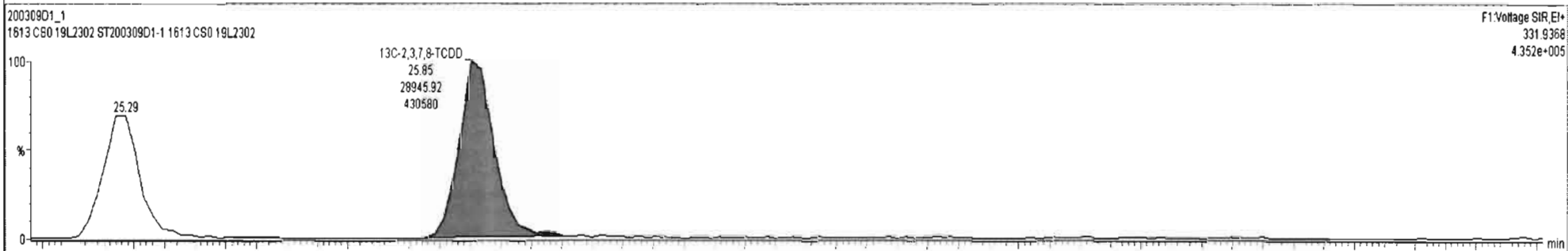
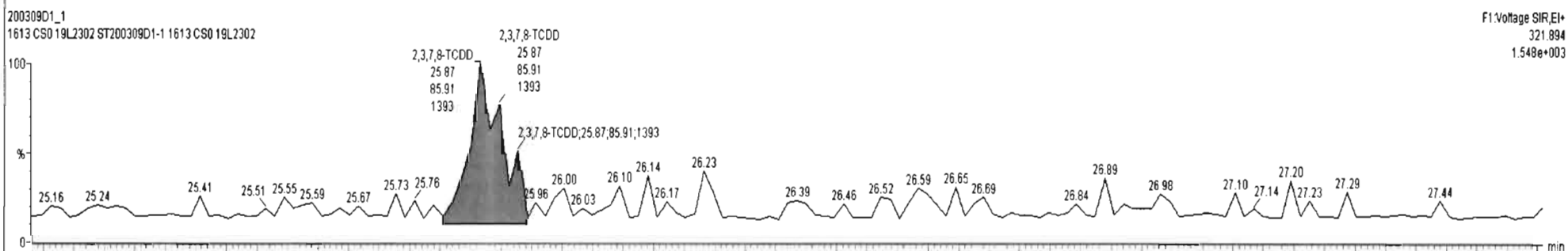
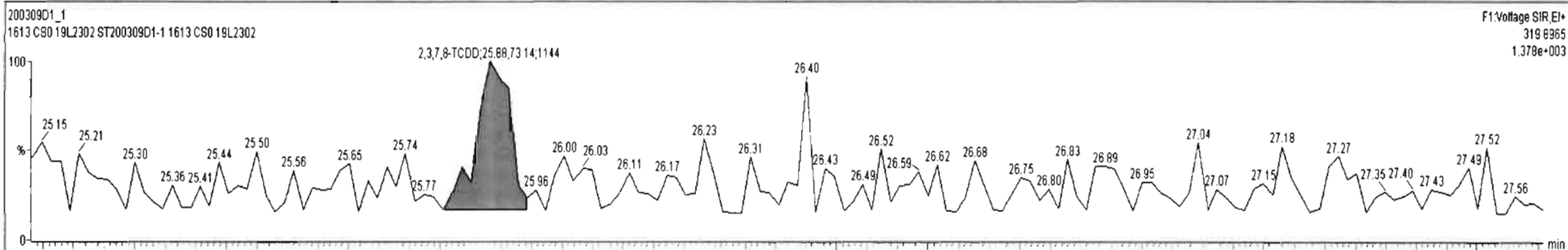
13C-2,3,7,8-TCDD

200309D1_1



200309D1_1





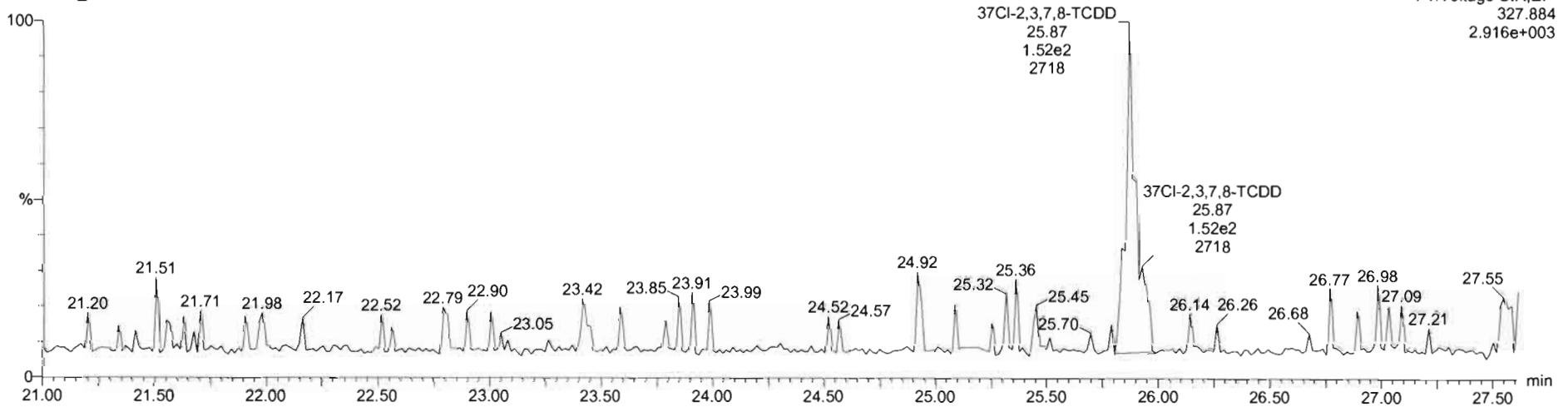
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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

200309D1_1

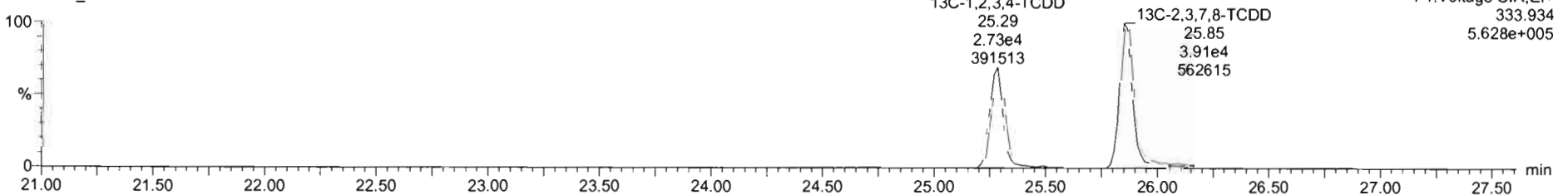


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200309D1_1



200309D1_1



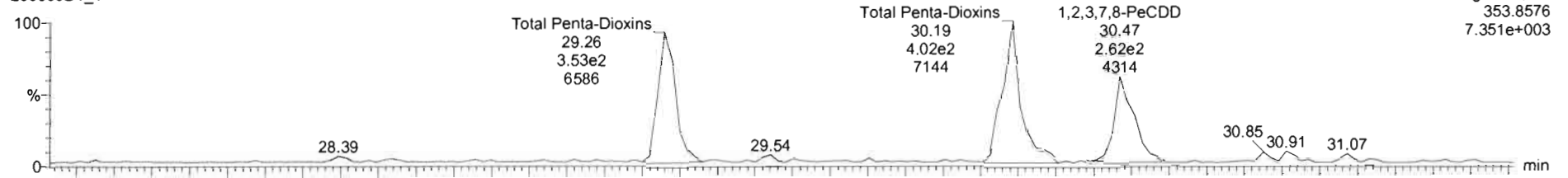
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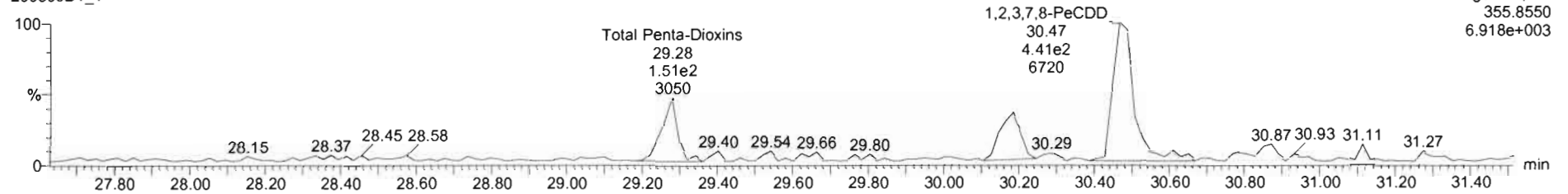
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1,2,3,7,8-PeCDD

200309D1_1

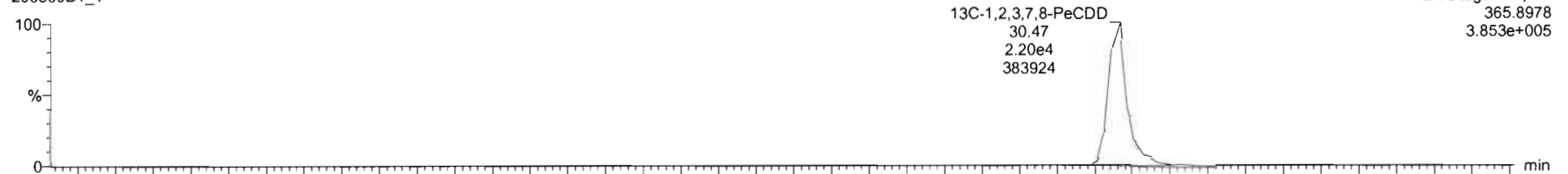


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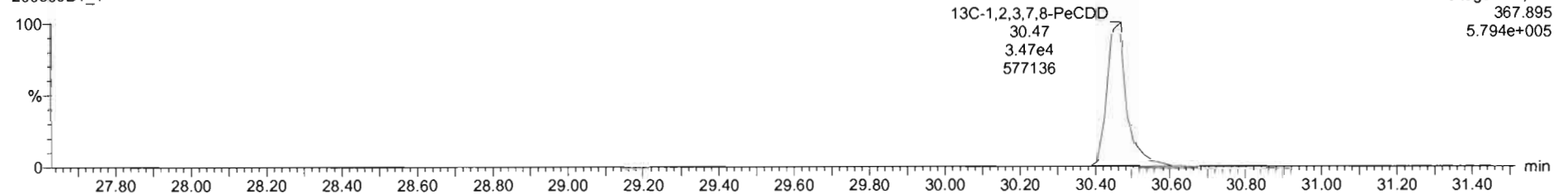


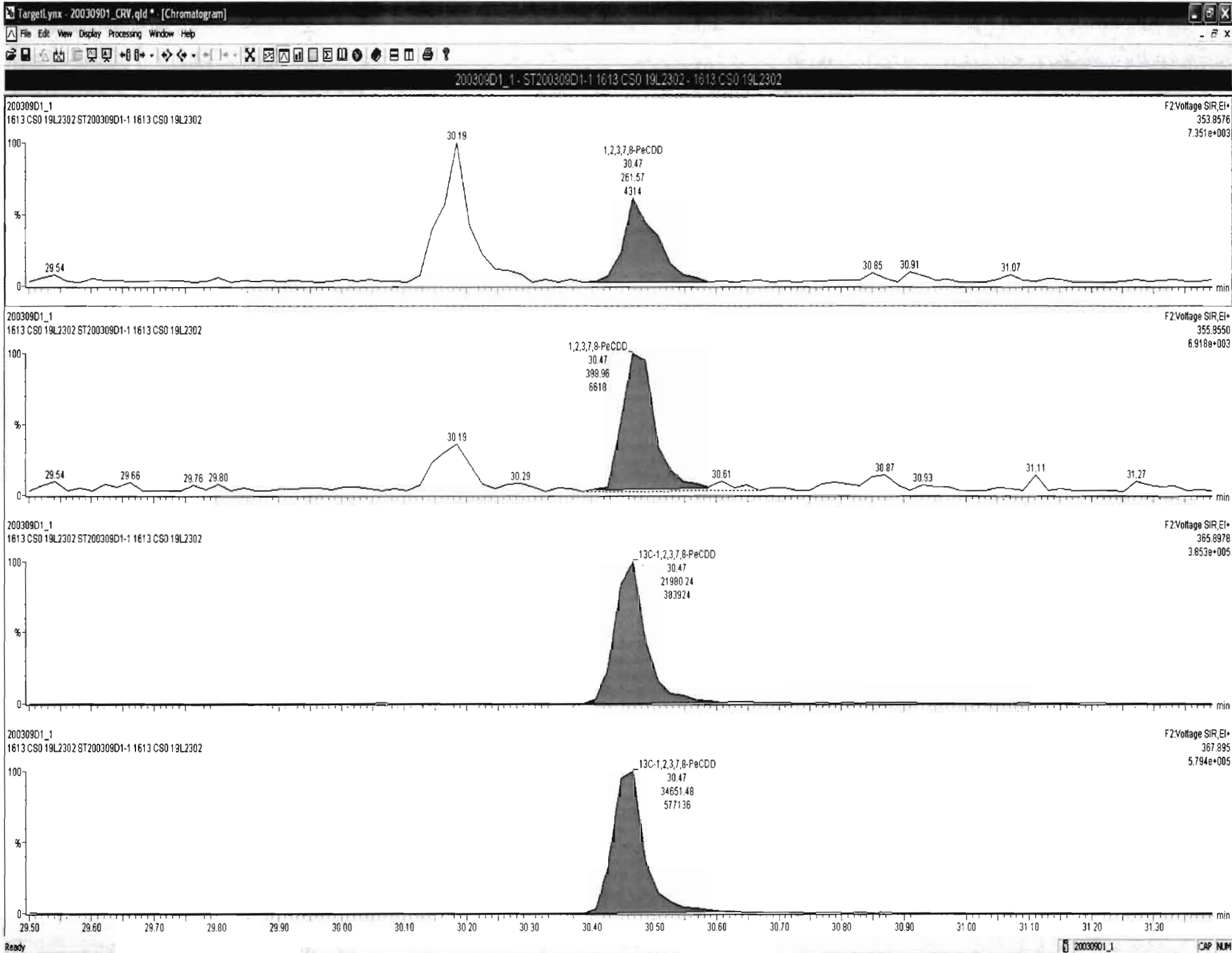
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200309D1_1



200309D1_1





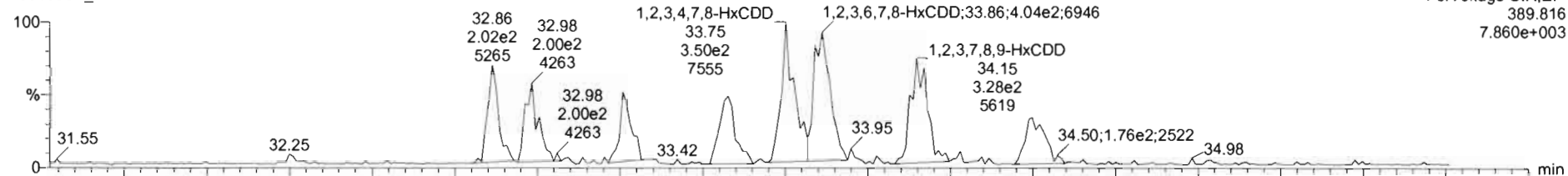
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

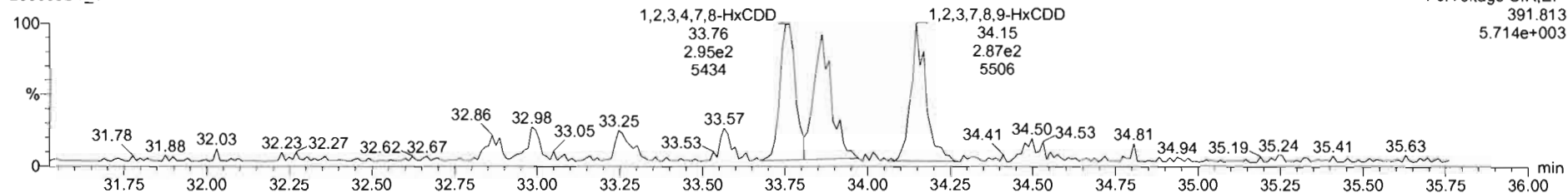
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1,2,3,4,7,8-HxCDD

200309D1_1

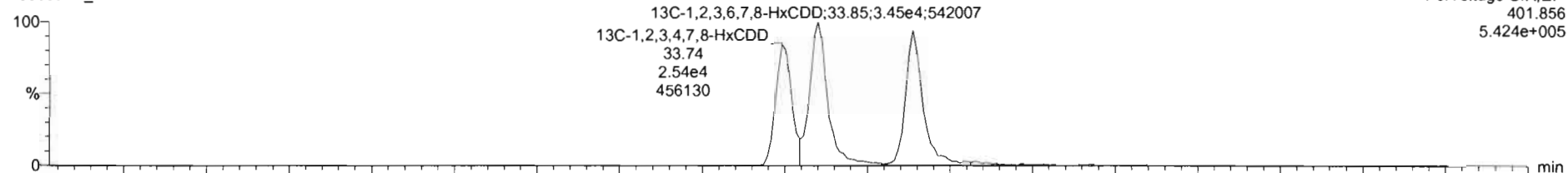


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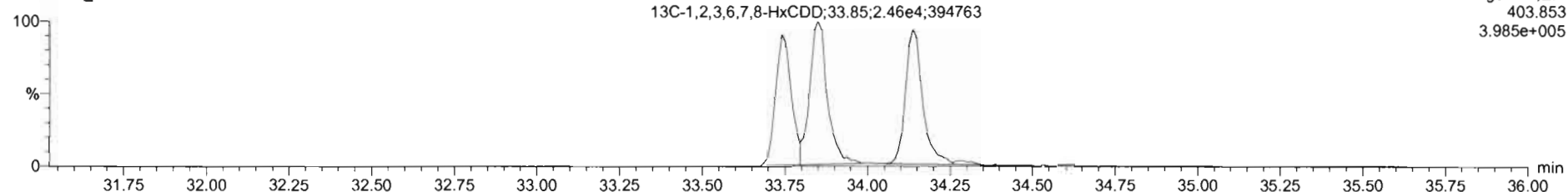


13C-1,2,3,4,7,8-HxCDD

200309D1_1



200309D1_1



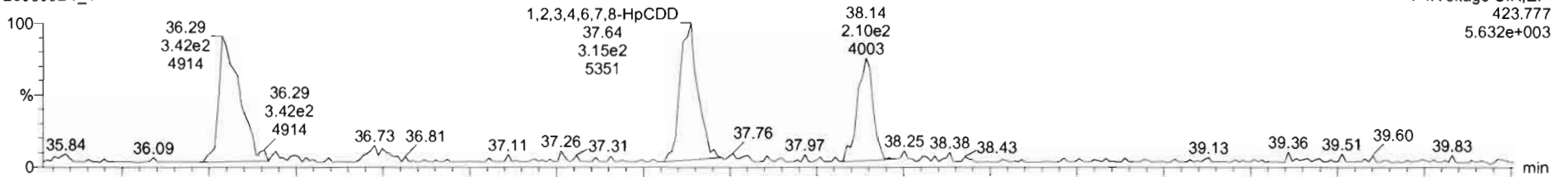
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

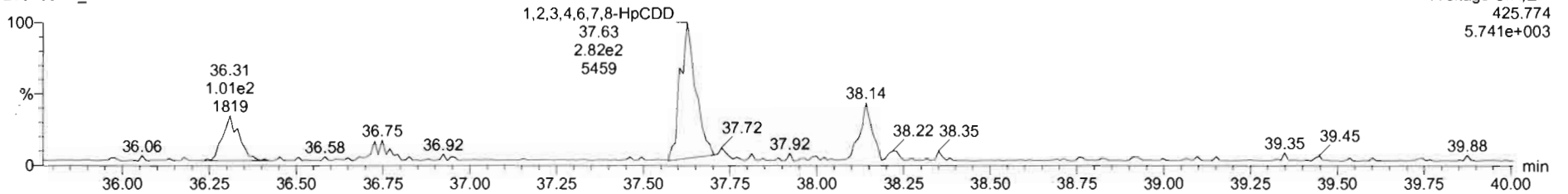
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1,2,3,4,6,7,8-HpCDD

200309D1_1

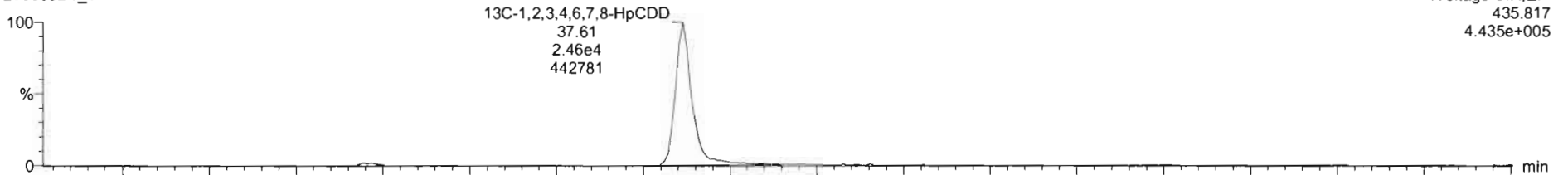


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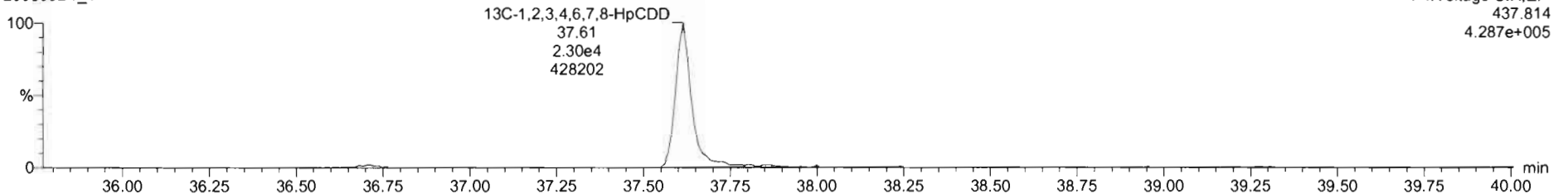


13C-1,2,3,4,6,7,8-HpCDD

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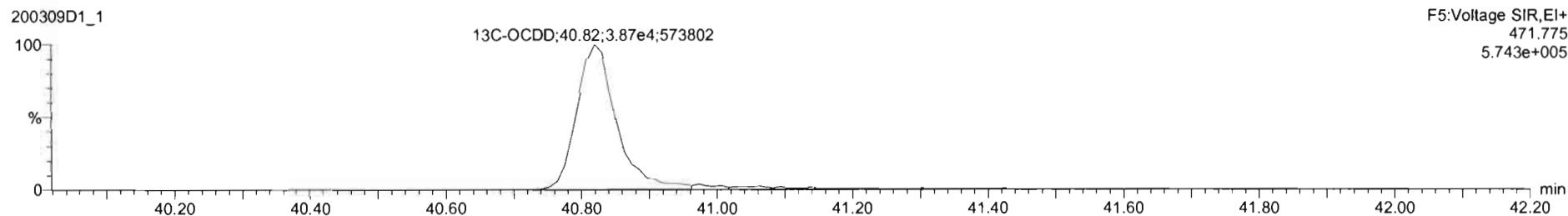
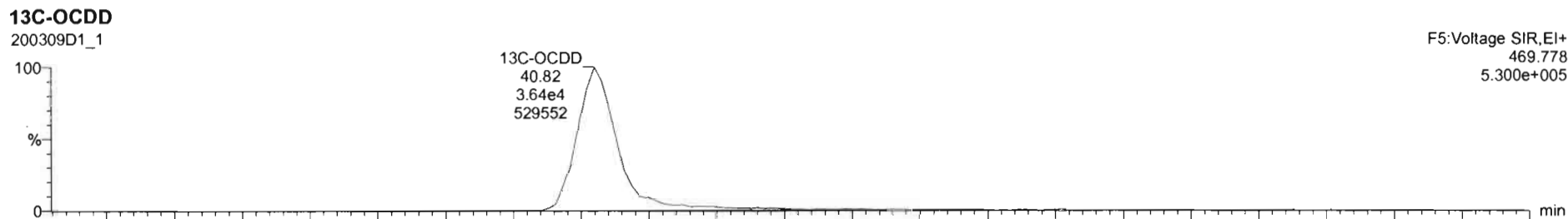
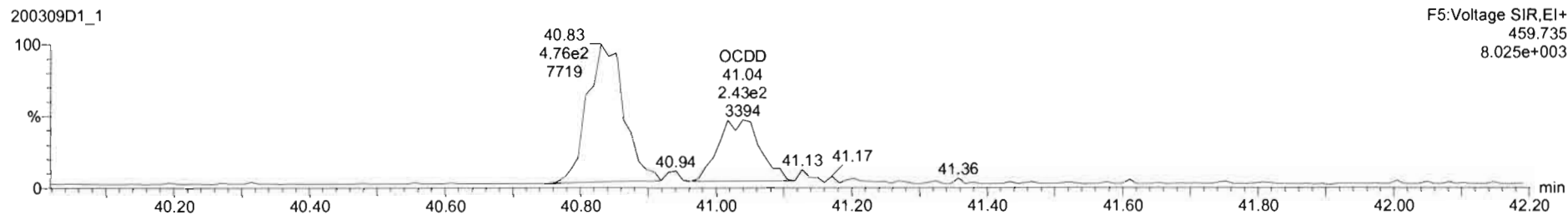
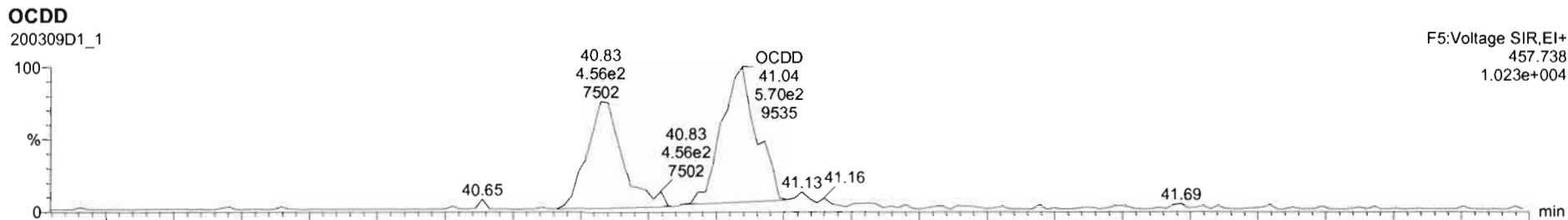
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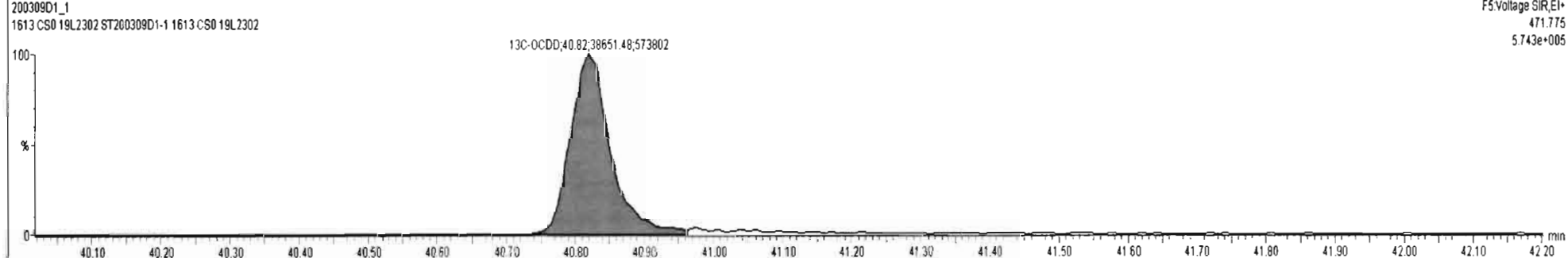
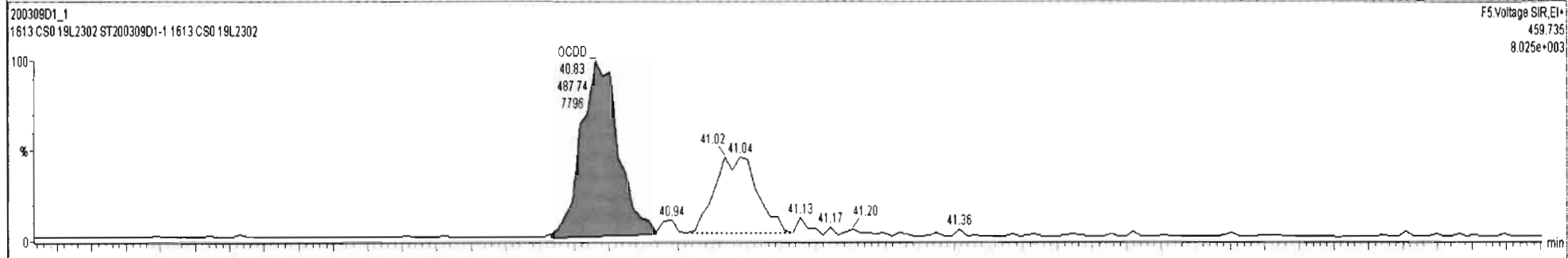
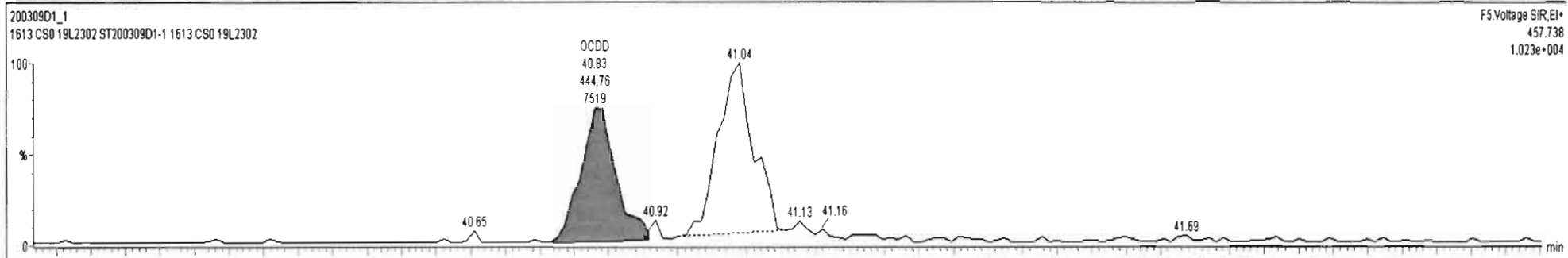


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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_1, Date: 09-Mar-2020, Time: 12:30:36, ID: ST200309D1-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302





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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

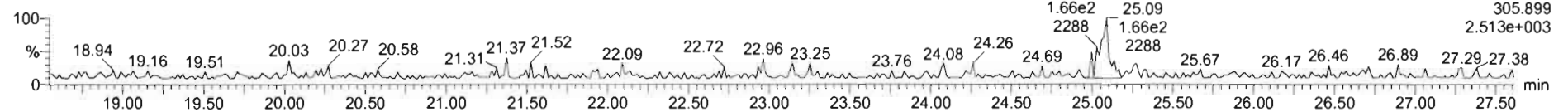
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2,3,7,8-TCDF

200309D1_1

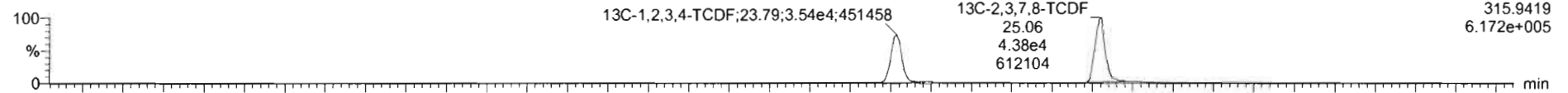


200309D1_1

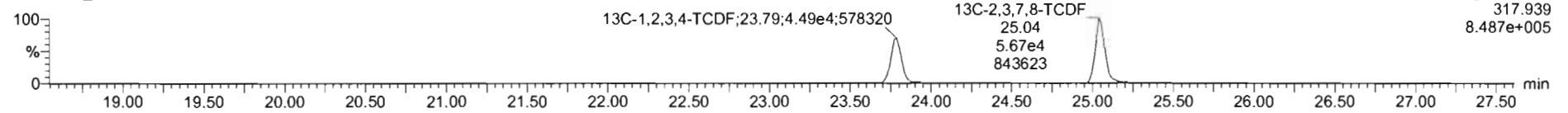


13C-2,3,7,8-TCDF

200309D1_1

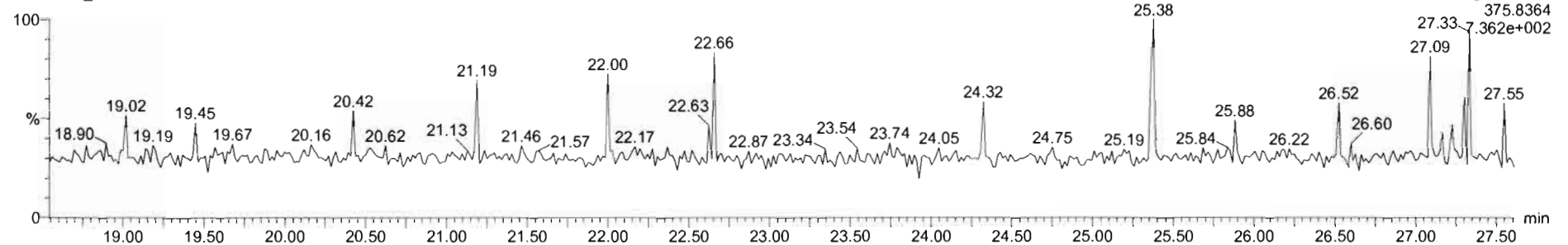


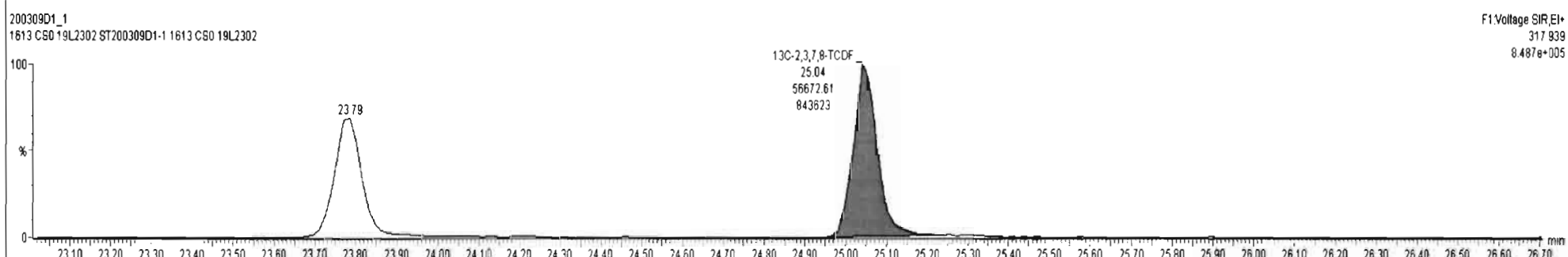
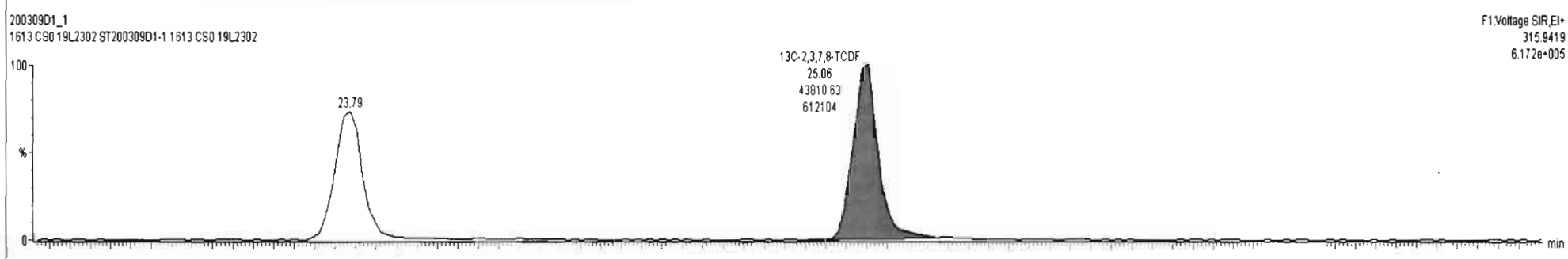
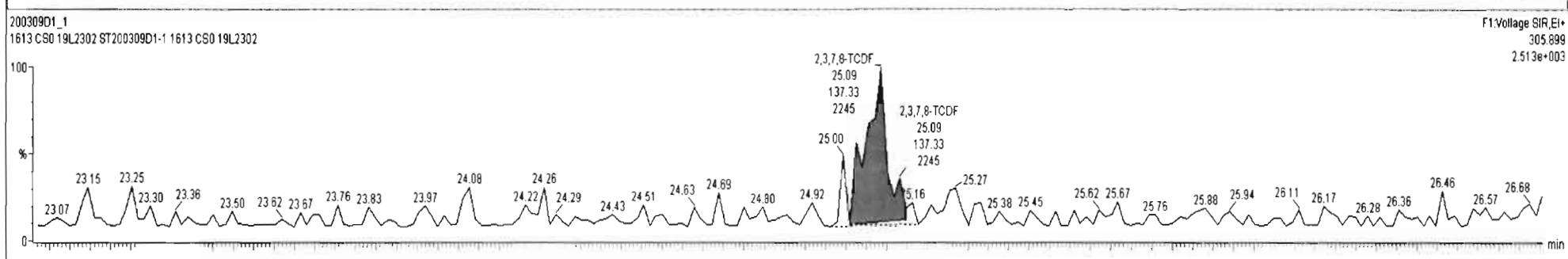
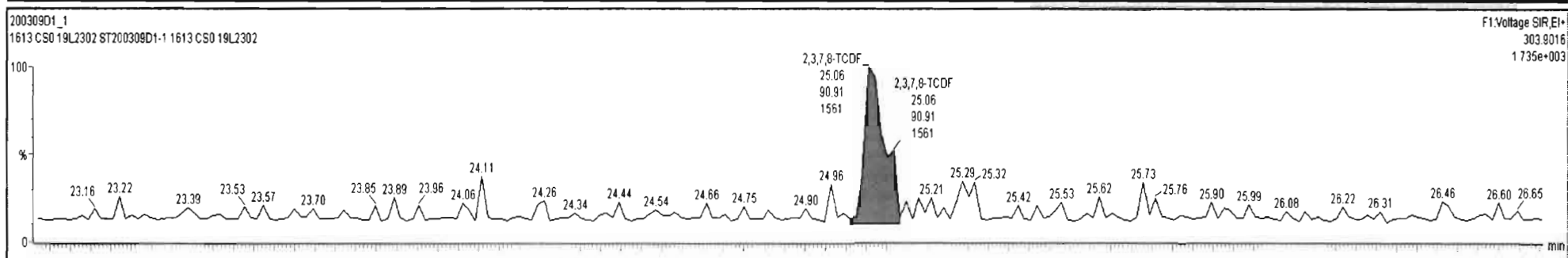
200309D1_1



DPE1

200309D1_1





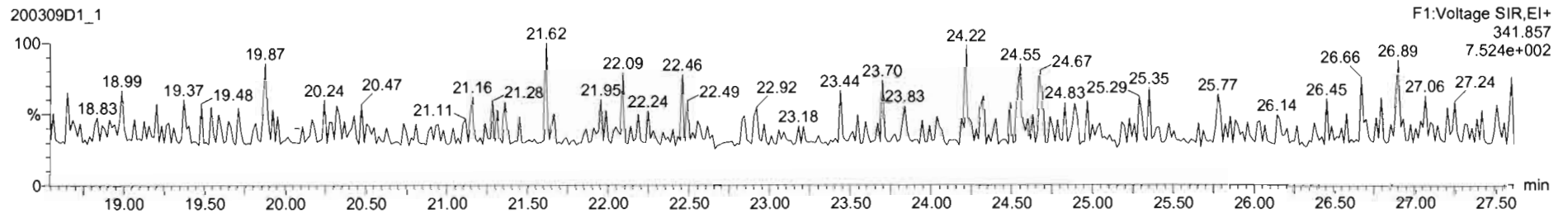
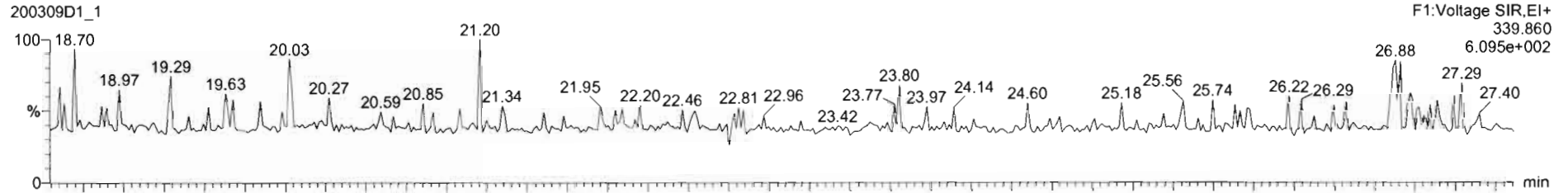
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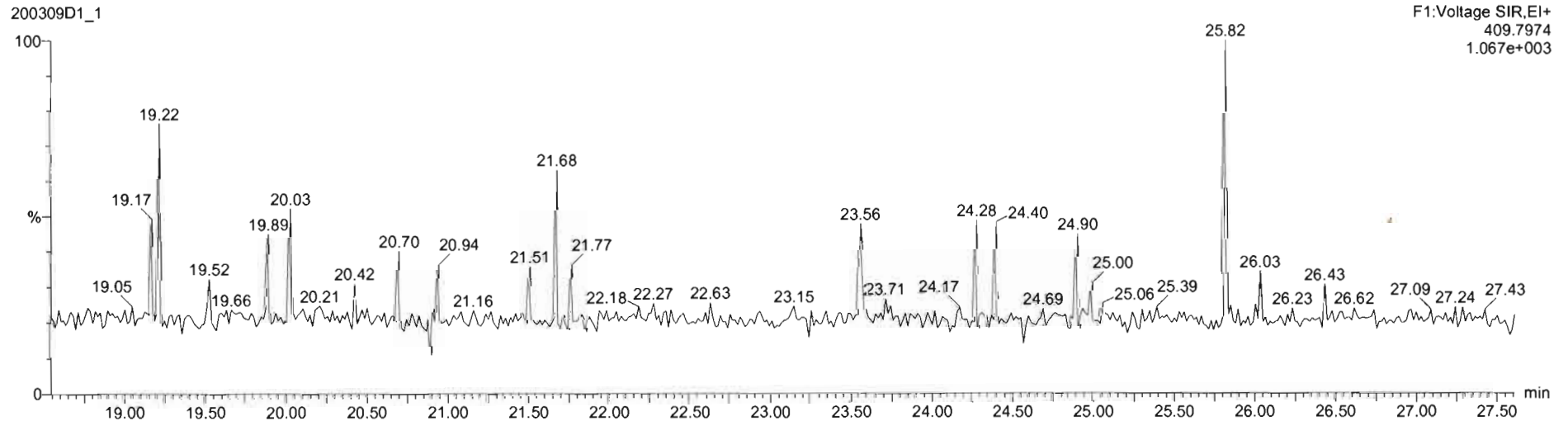
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Name: 200309D1_1, Date: 09-Mar-2020, Time: 12:30:36, ID: ST200309D1-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

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DPE6

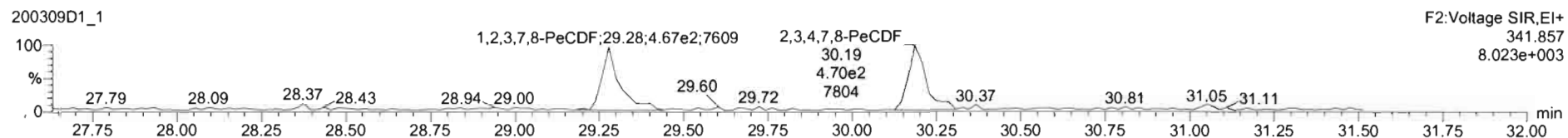
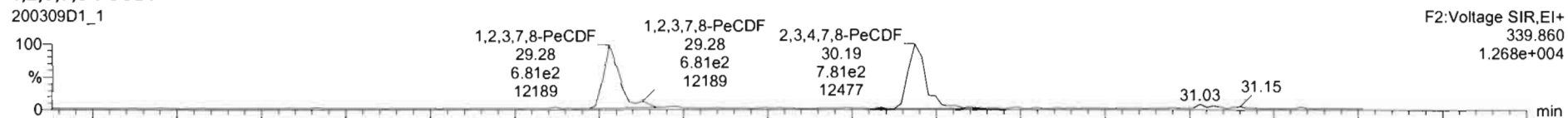


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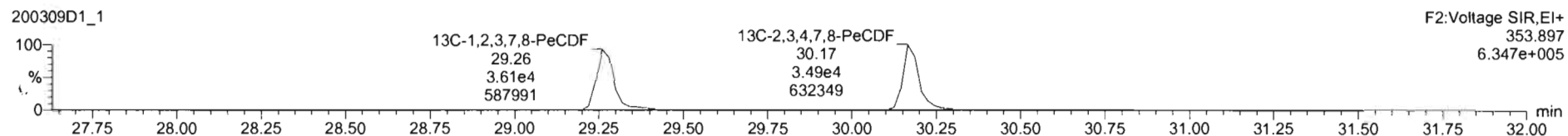
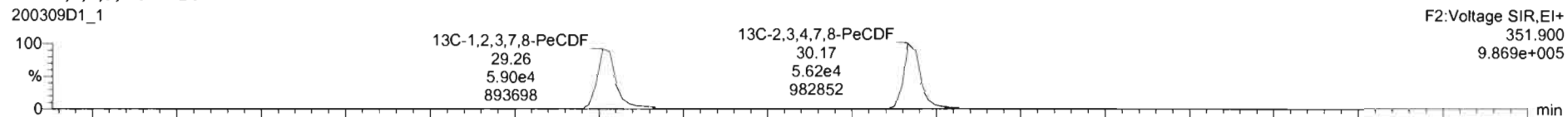
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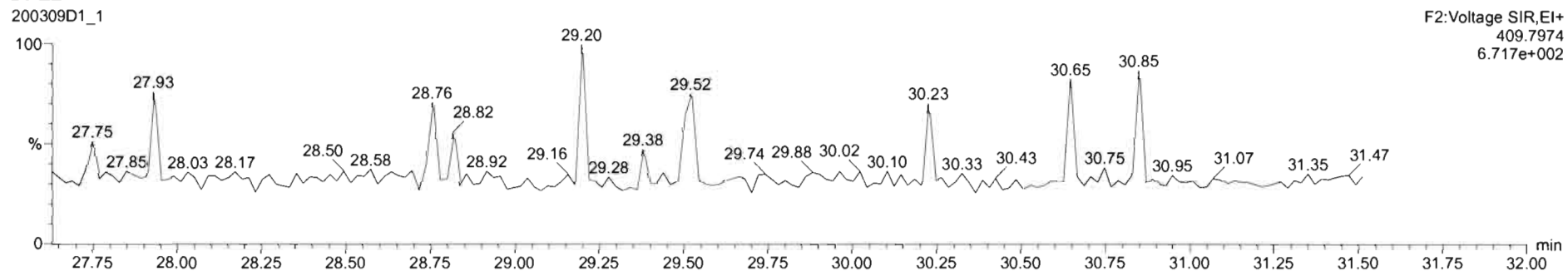
1,2,3,7,8-PeCDF



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



DPE2

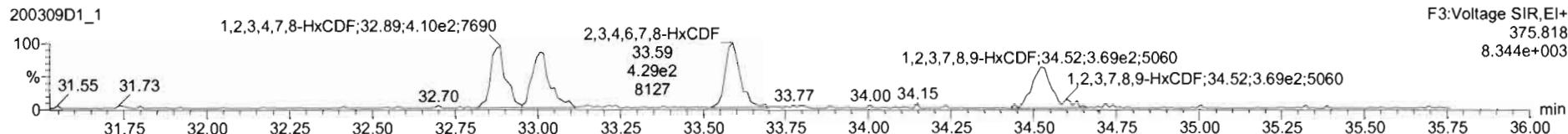
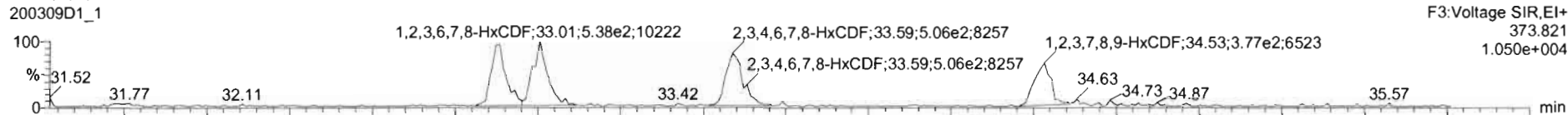


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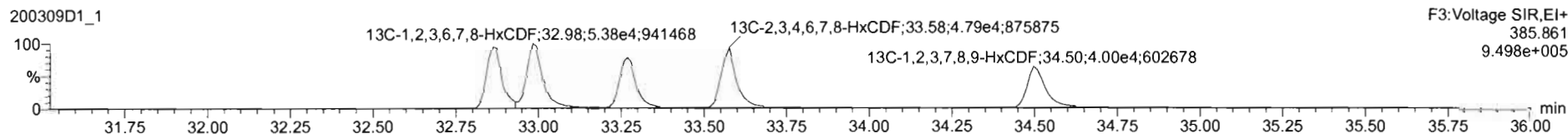
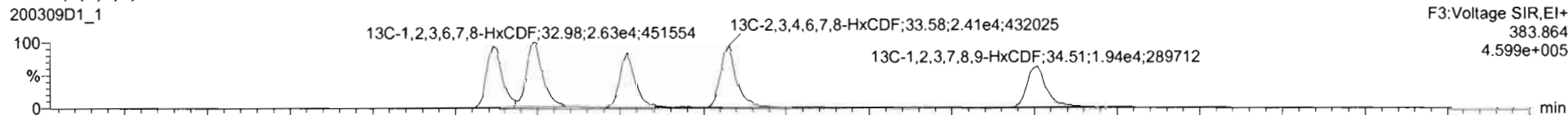
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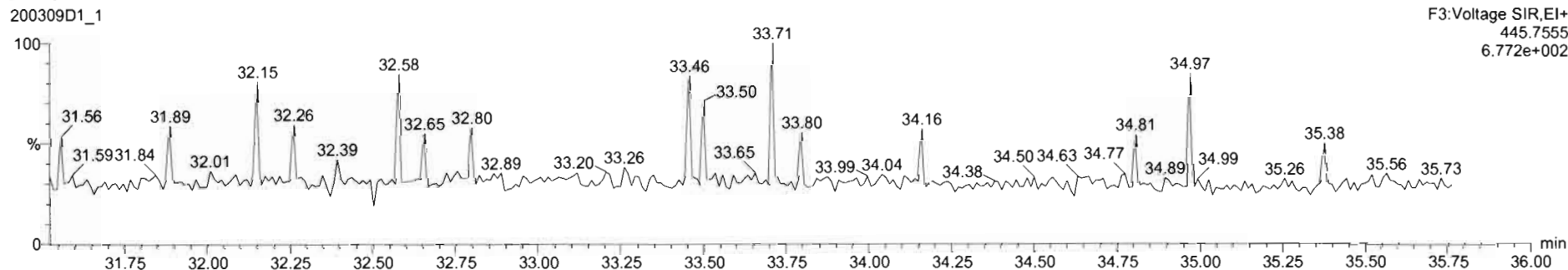
1,2,3,4,7,8-HxCDF

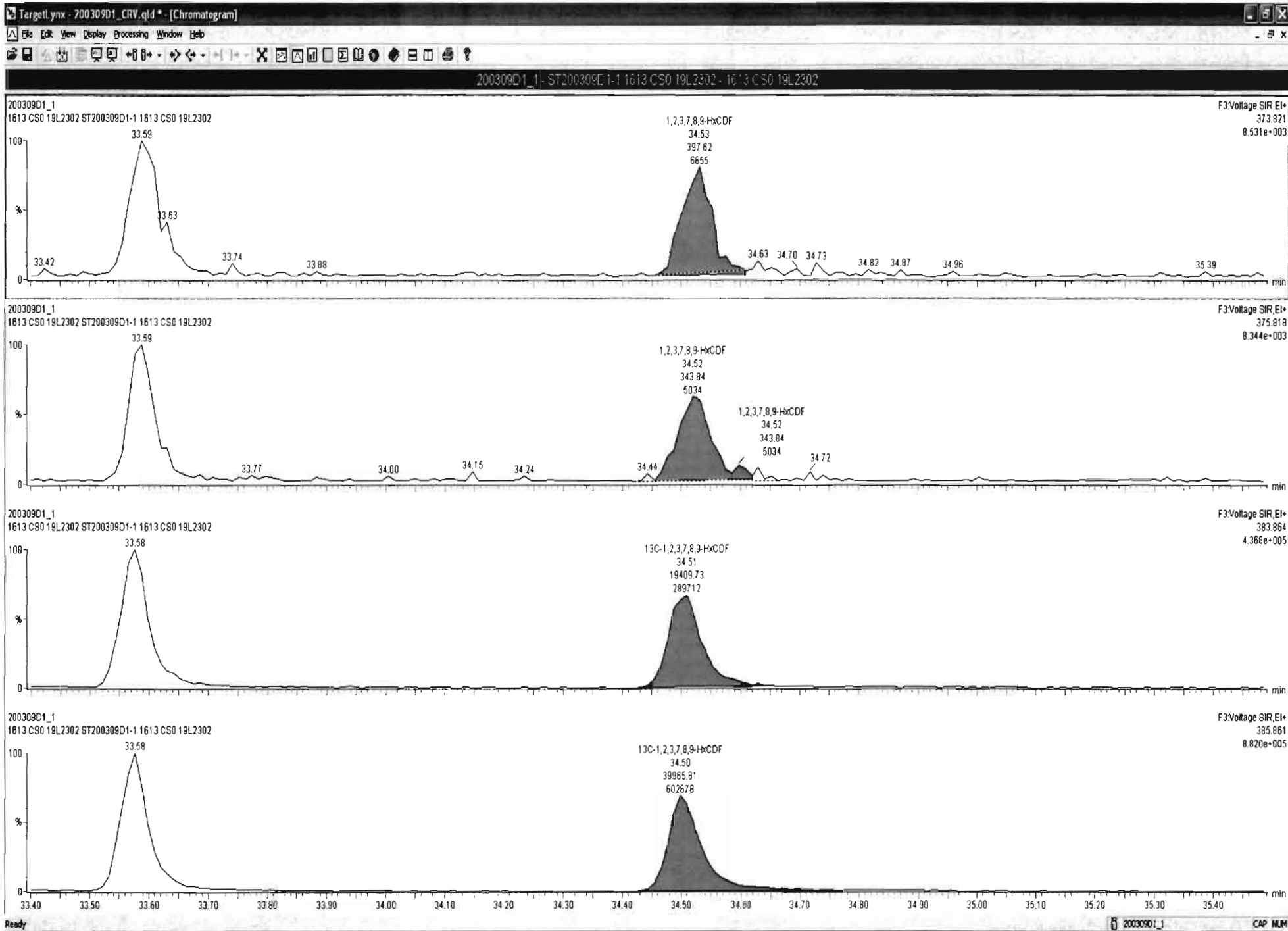


13C-1,2,3,4,7,8-HxCDF



DPE3



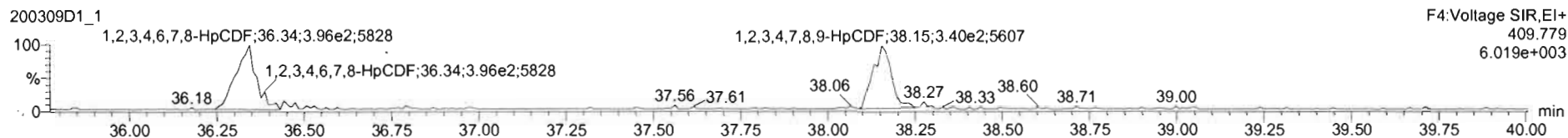
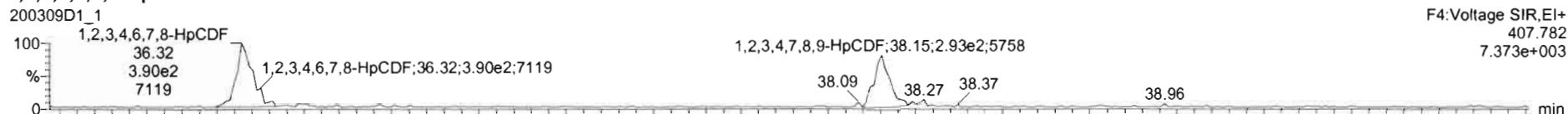


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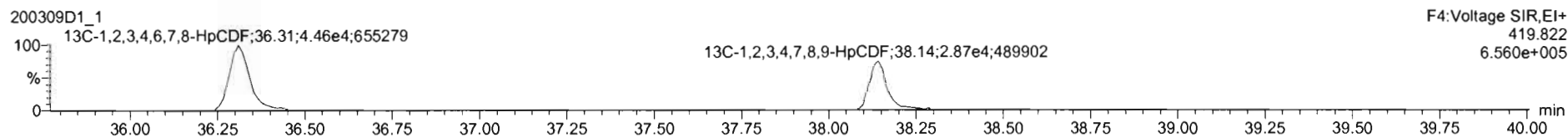
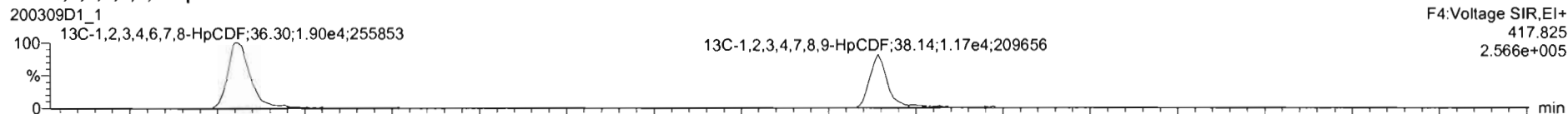
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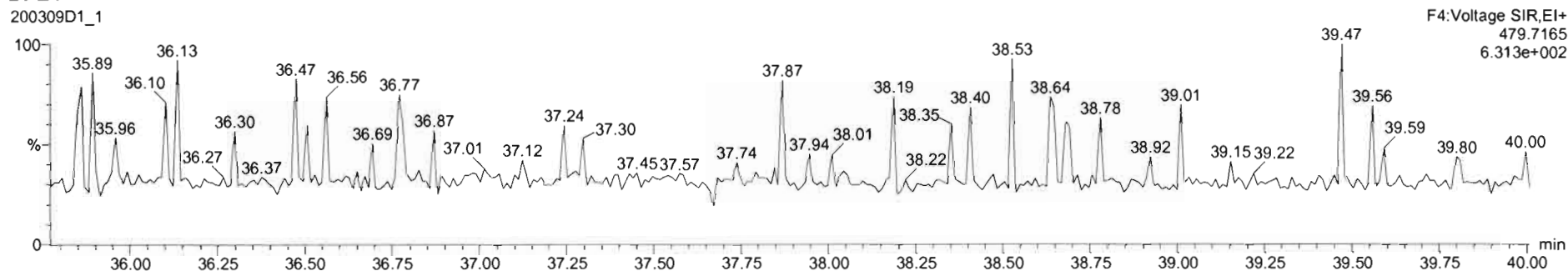
1,2,3,4,6,7,8-HpCDF

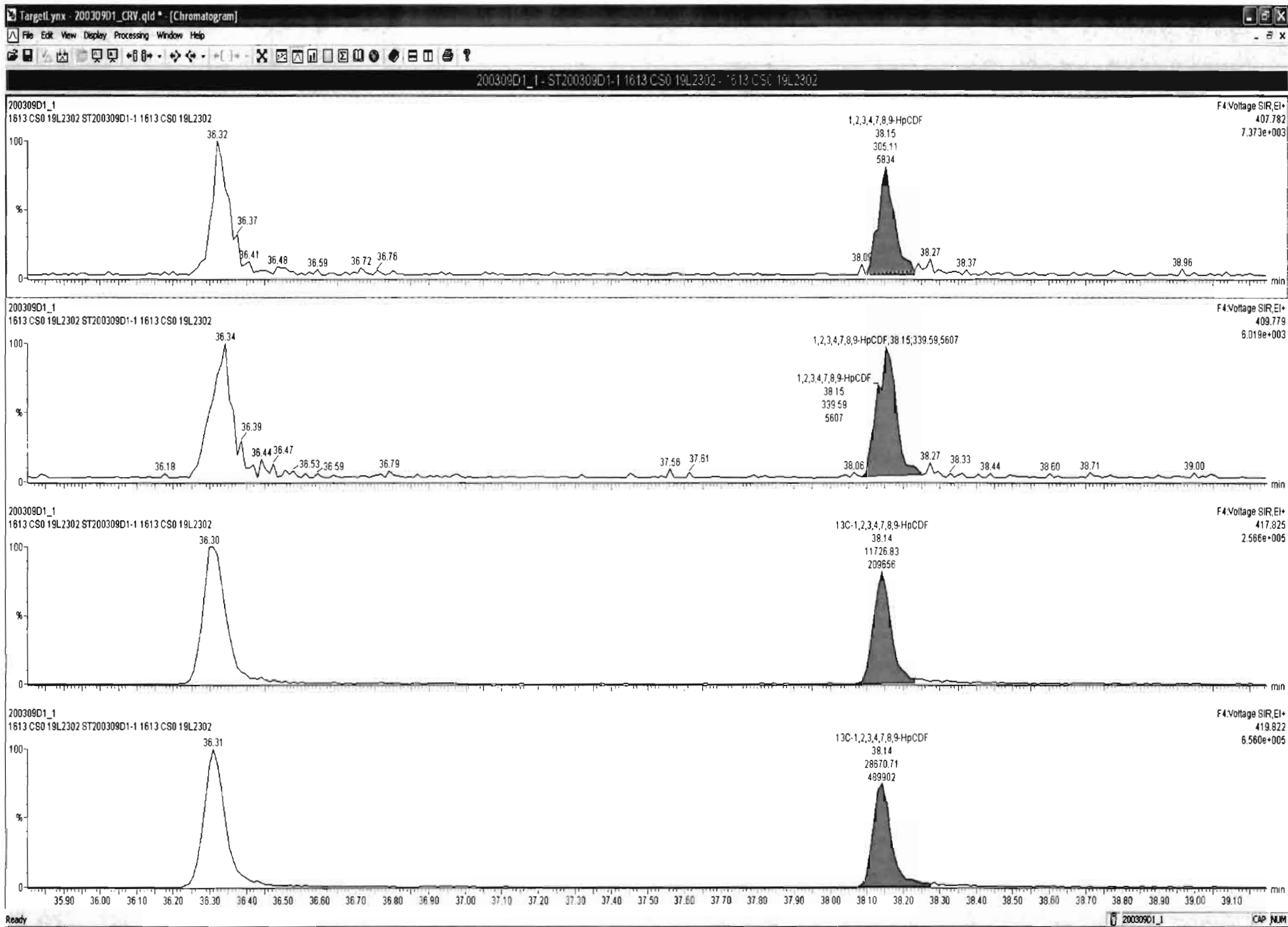


13C-1,2,3,4,6,7,8-HpCDF



DPE4



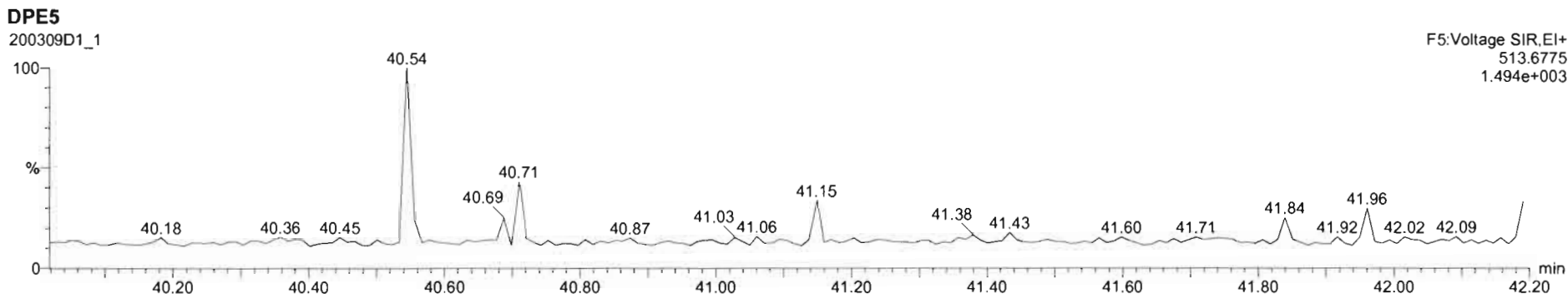
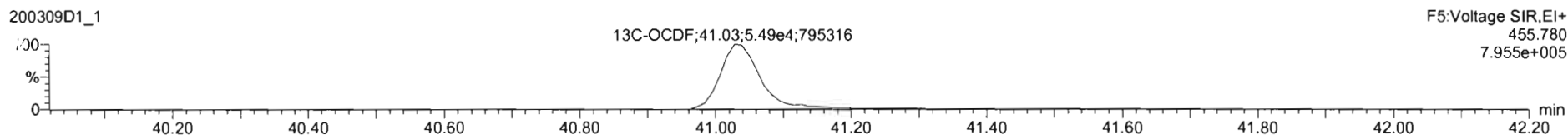
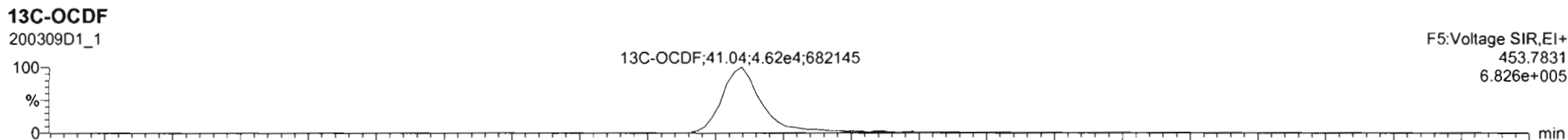
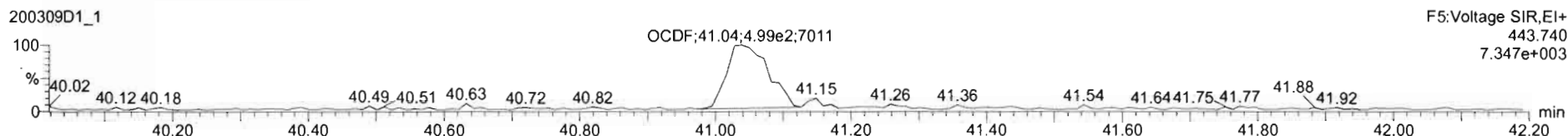
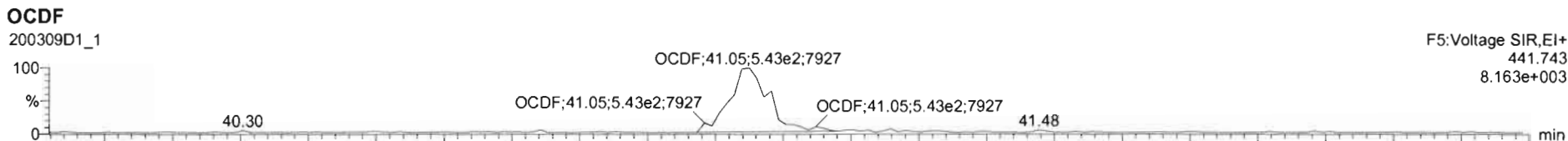


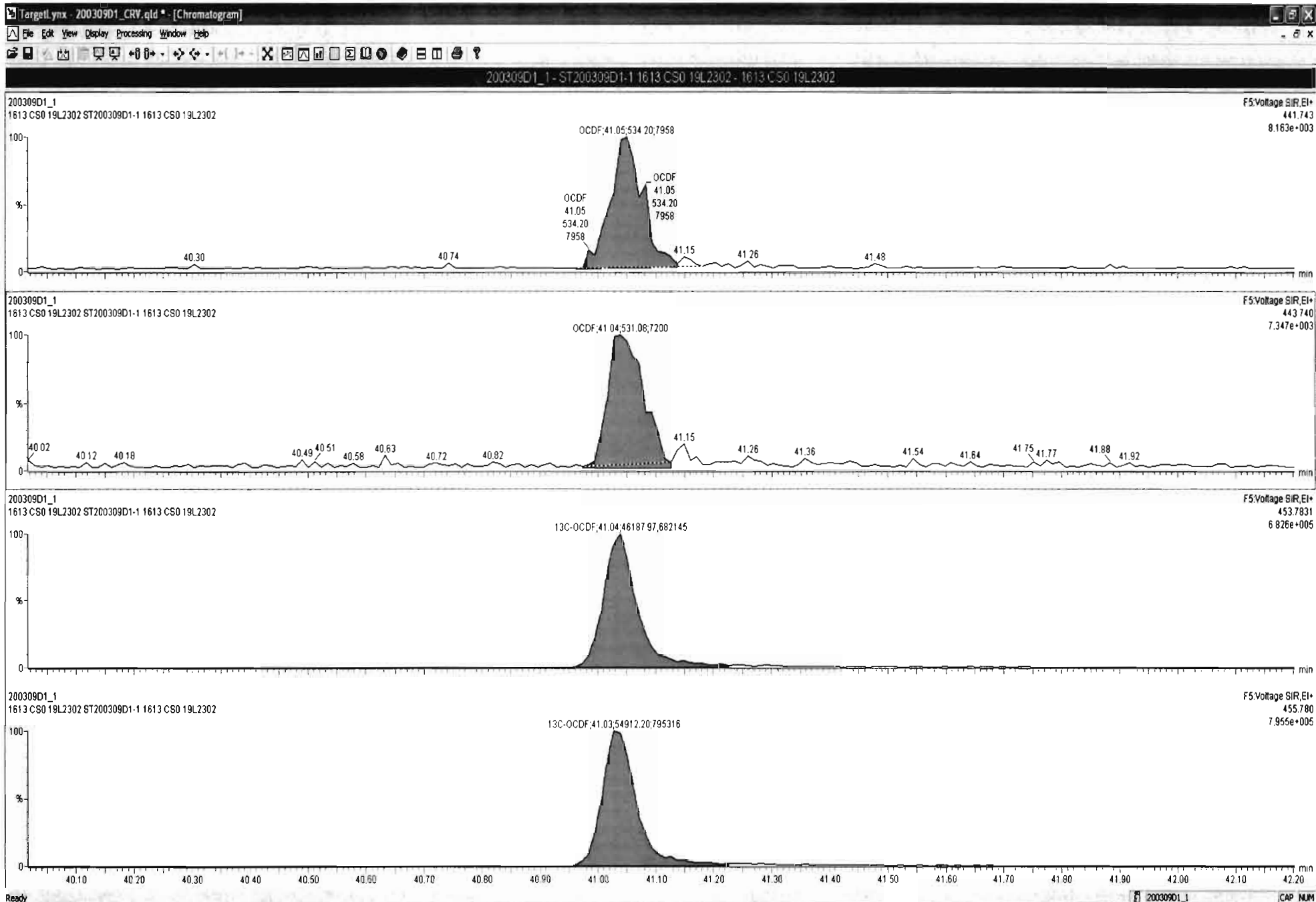
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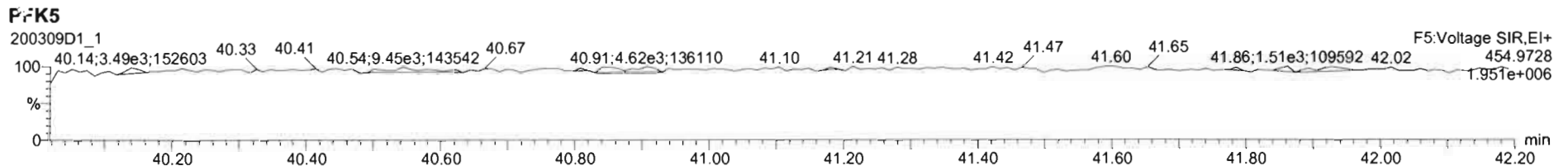
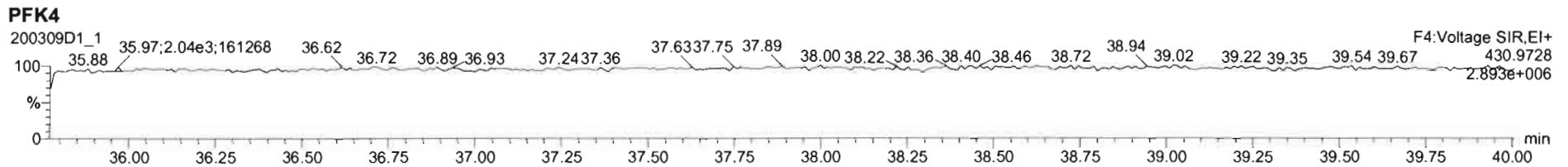
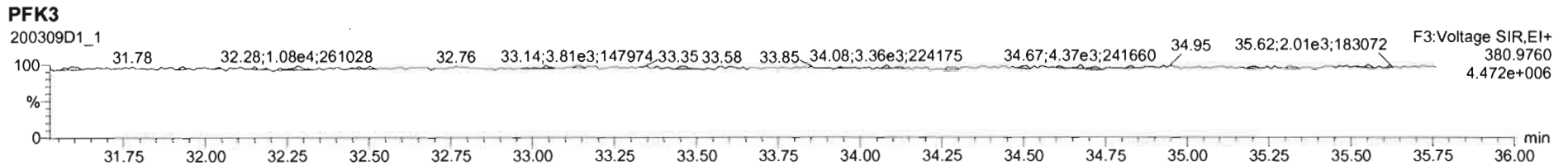
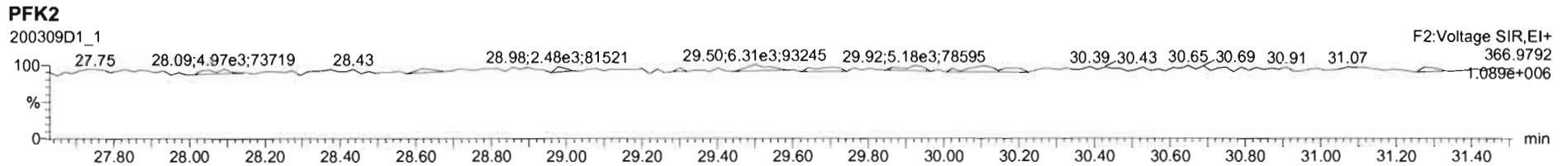
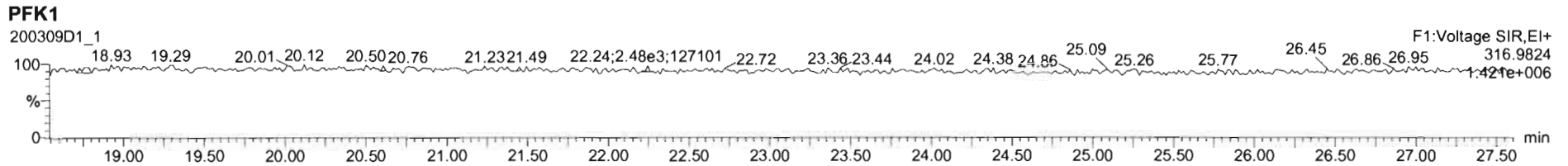




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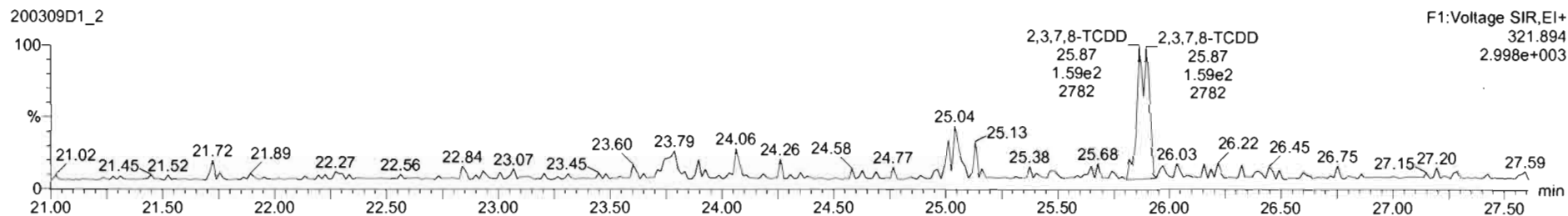
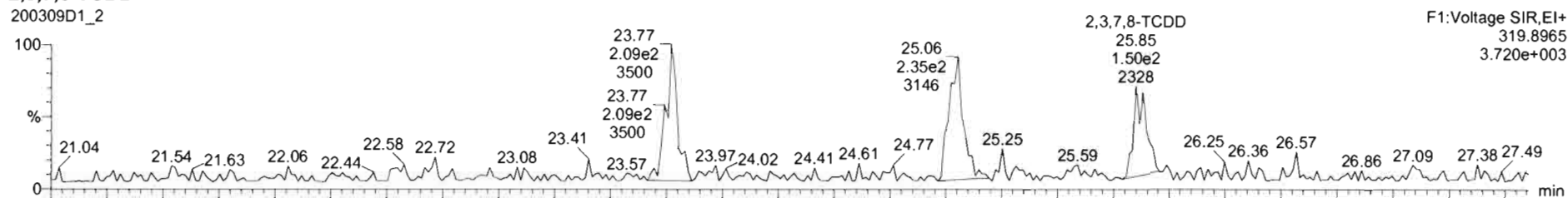


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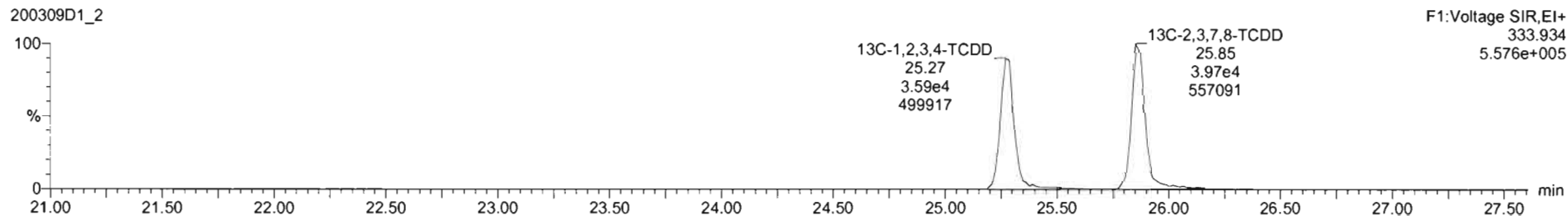
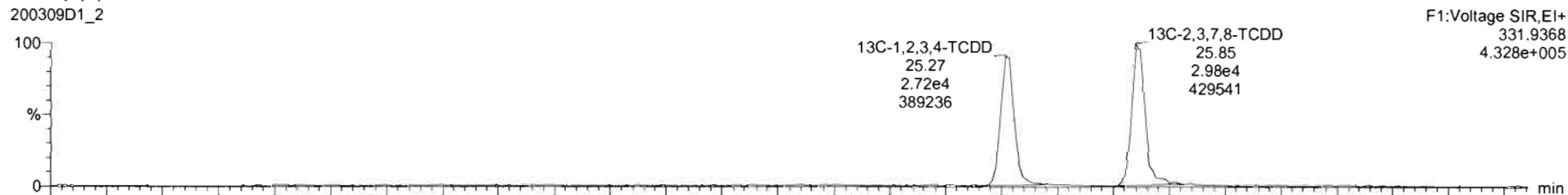
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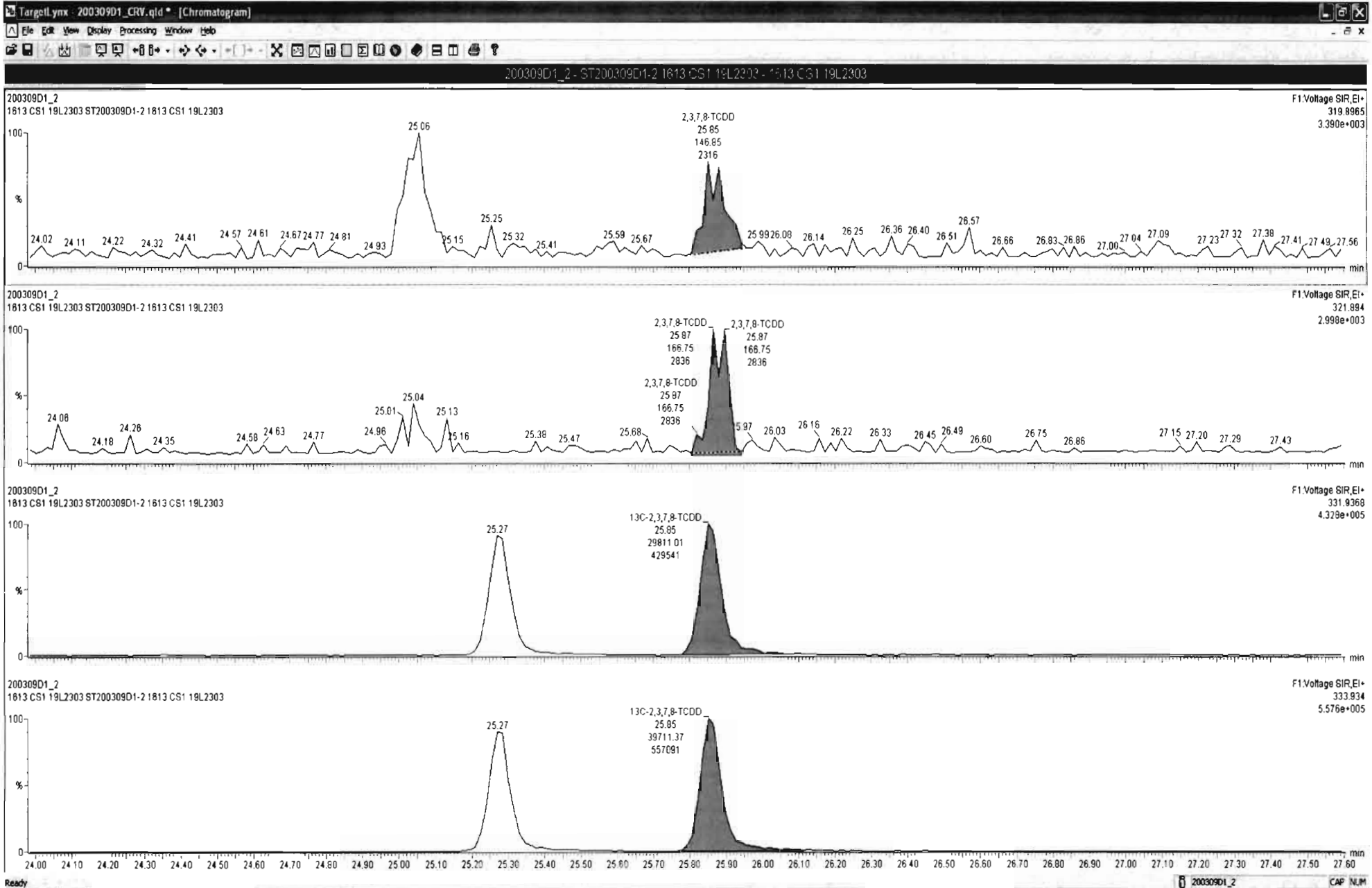
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2,3,7,8-TCDD



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





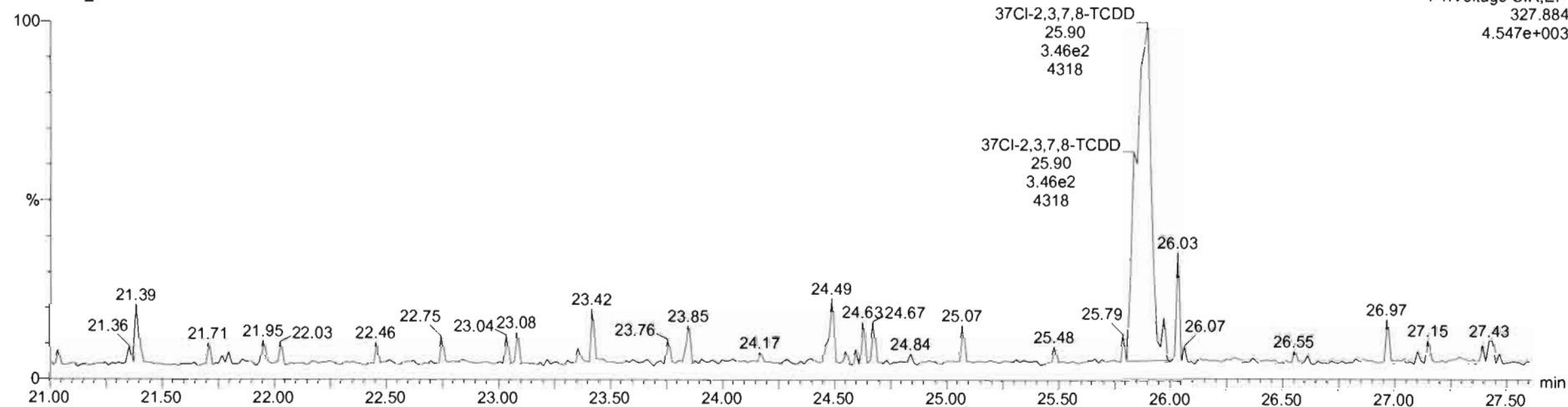
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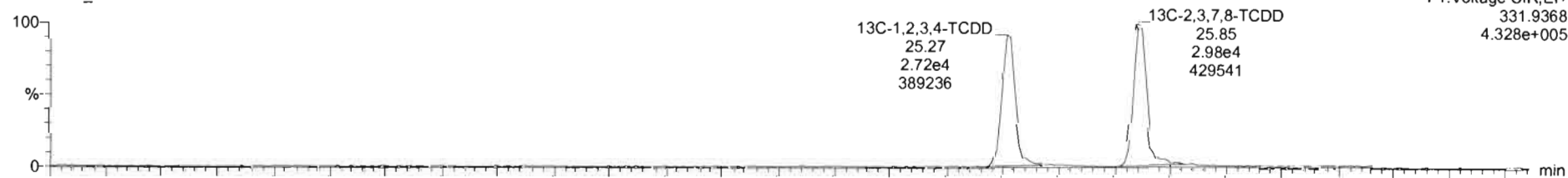
37Cl-2,3,7,8-TCDD

200309D1_2

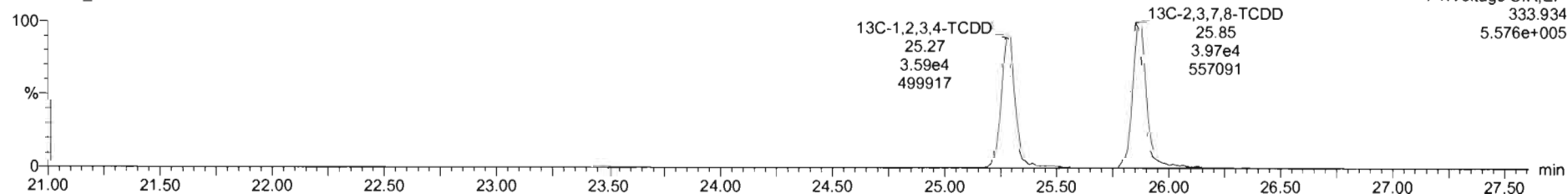


13C-1,2,3,4-TCDD

200309D1_2



200309D1_2



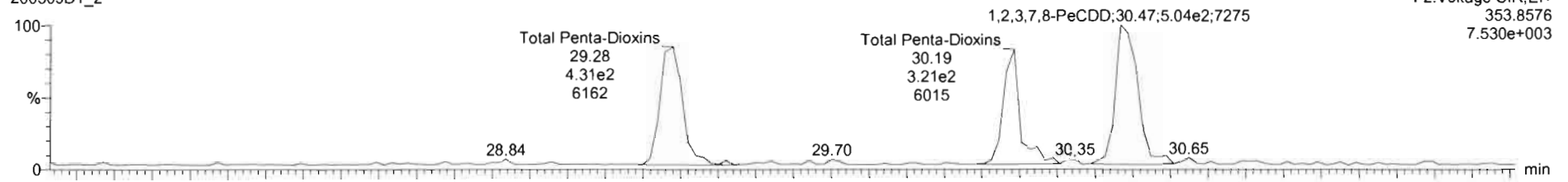
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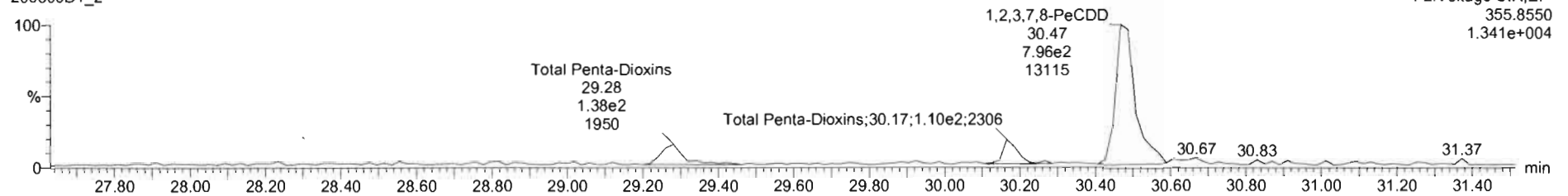
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1,2,3,7,8-PeCDD

200309D1_2

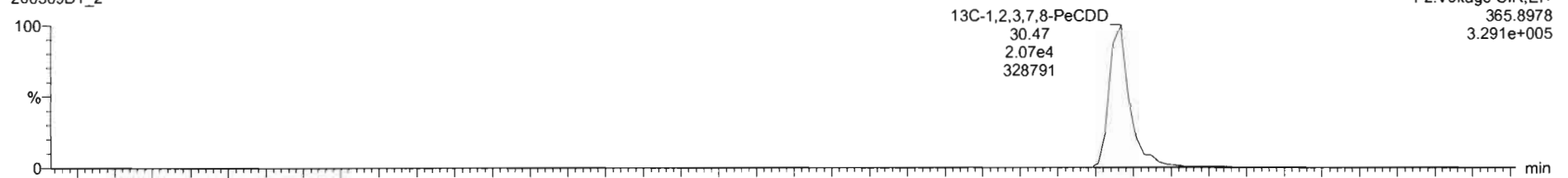


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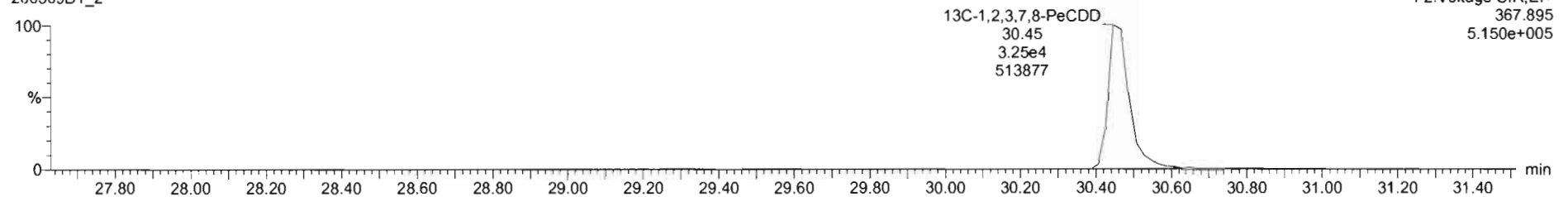


13C-1,2,3,7,8-PeCDD

200309D1_2



200309D1_2



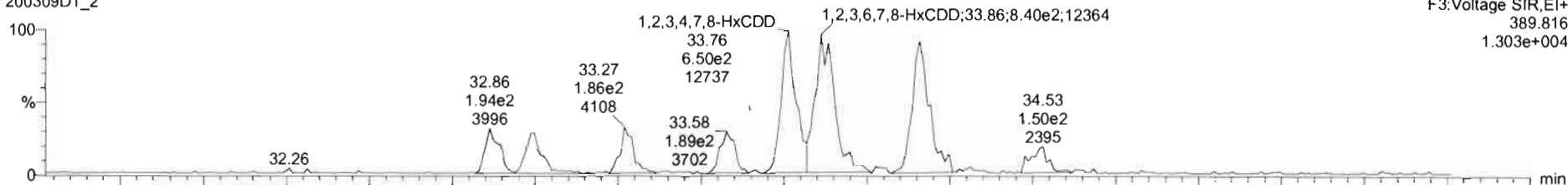
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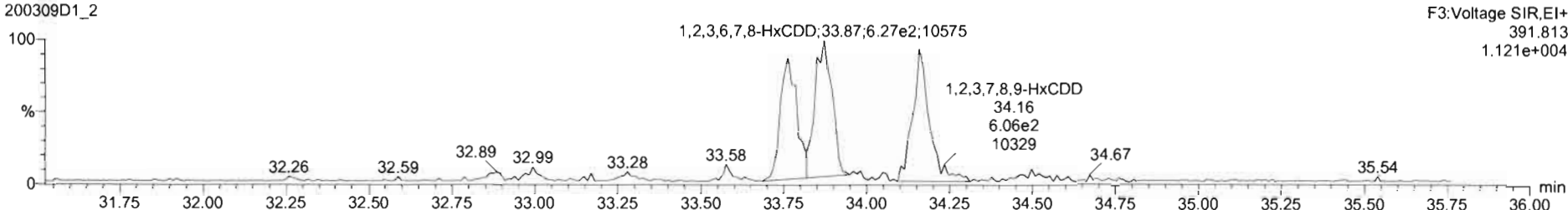
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1,2,3,4,7,8-HxCDD

200309D1_2

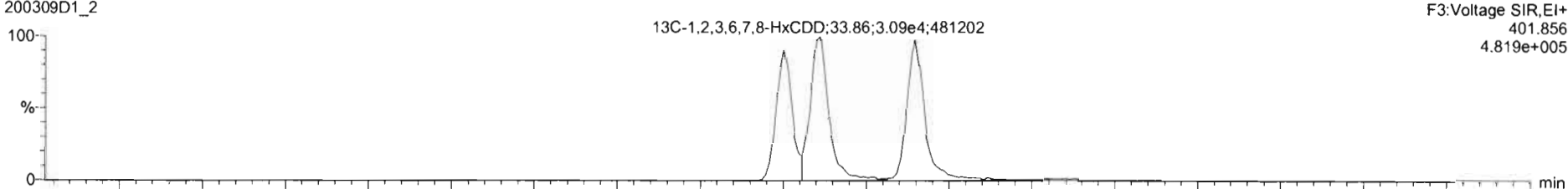


200309D1_2

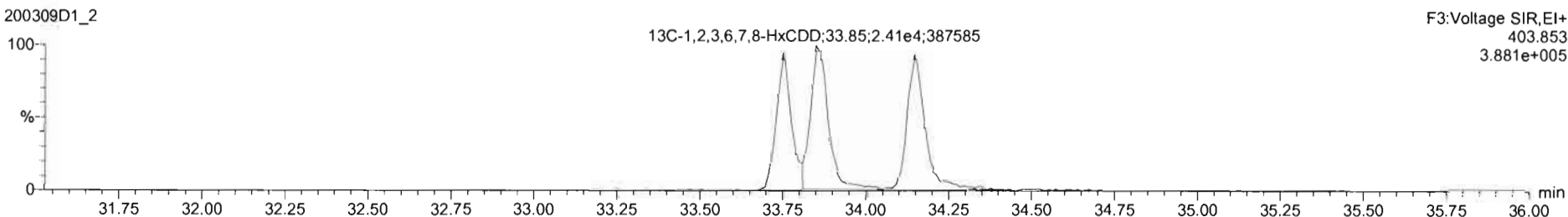


13C-1,2,3,4,7,8-HxCDD

200309D1_2



200309D1_2



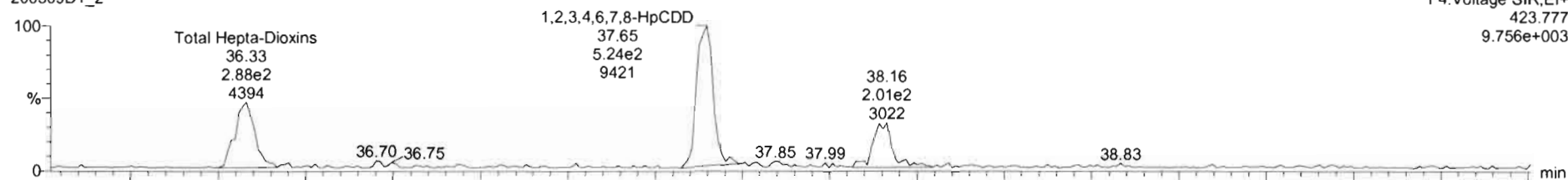
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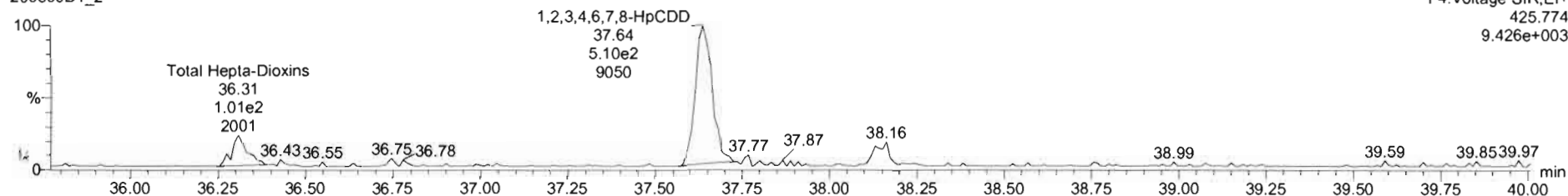
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1,2,3,4,6,7,8-HpCDD

200309D1_2

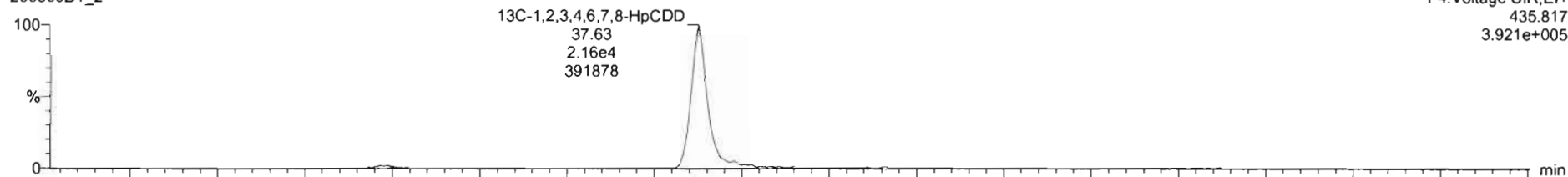


200309D1_2

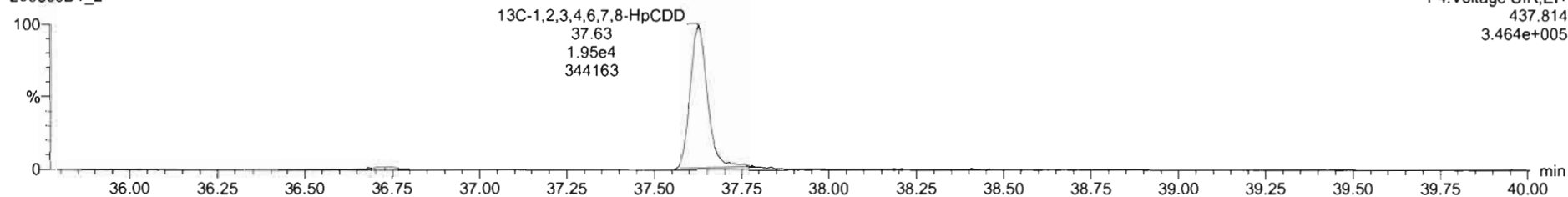


13C-1,2,3,4,6,7,8-HpCDD

200309D1_2



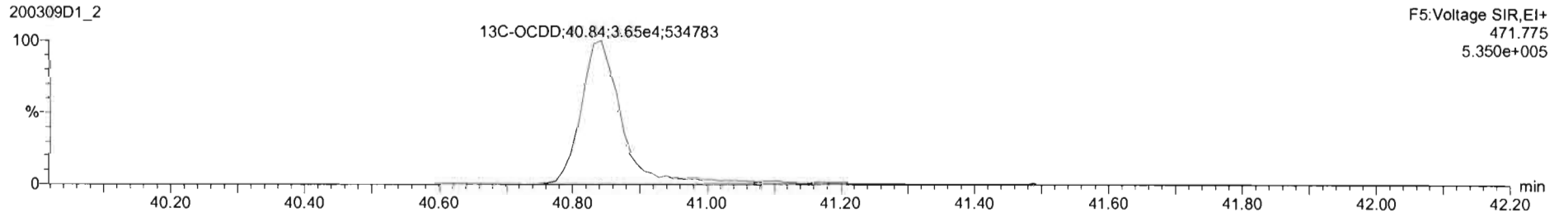
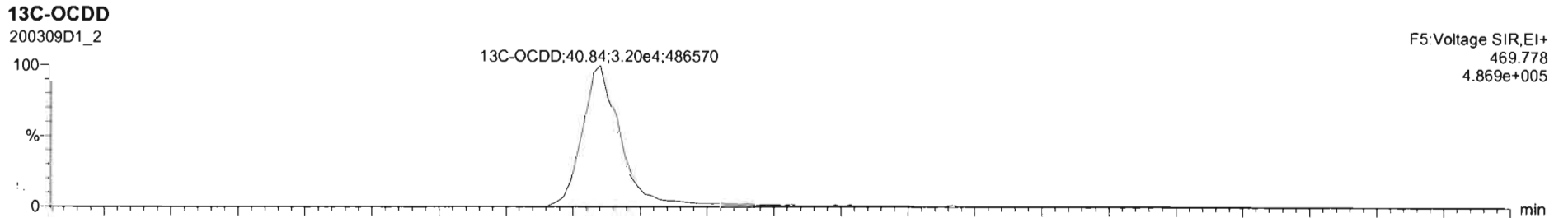
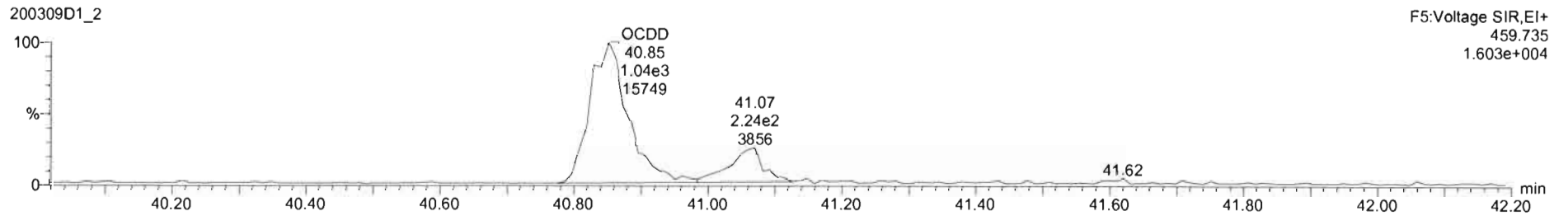
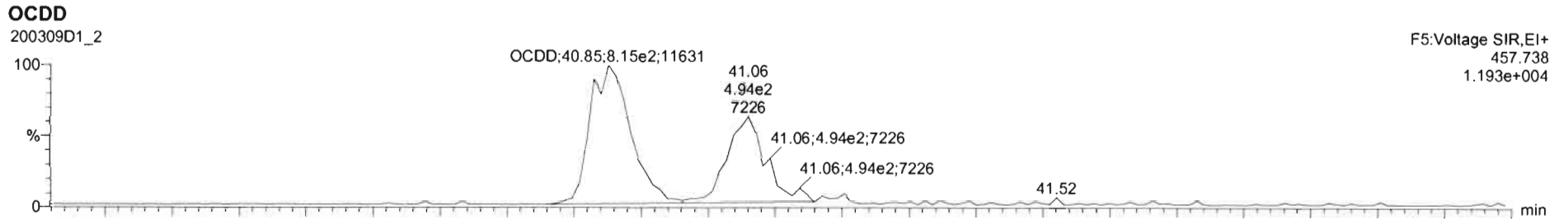
200309D1_2



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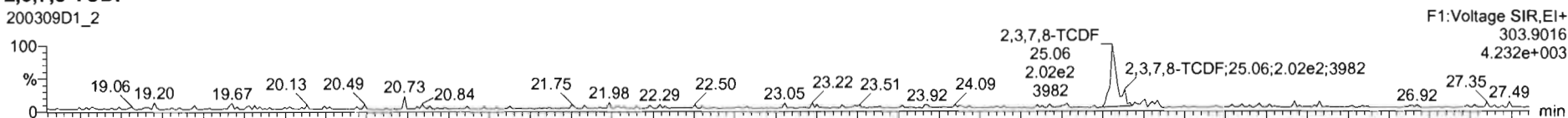
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

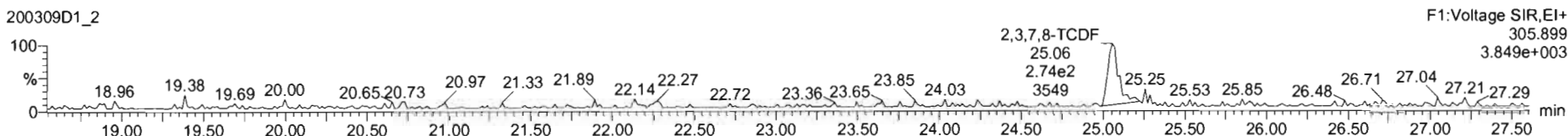
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2,3,7,8-TCDF

200309D1_2

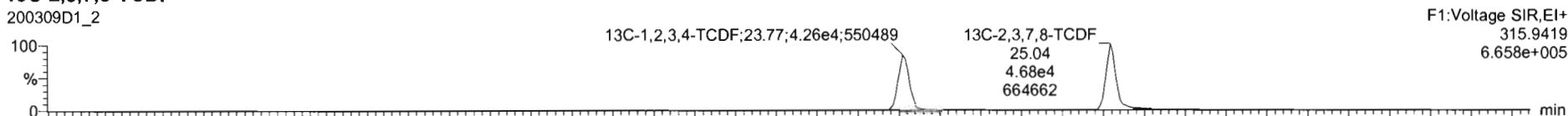


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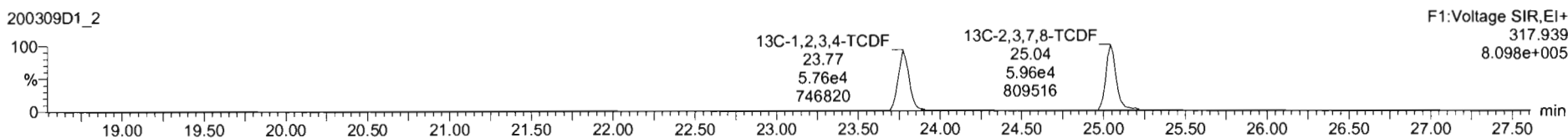


13C-2,3,7,8-TCDF

200309D1_2

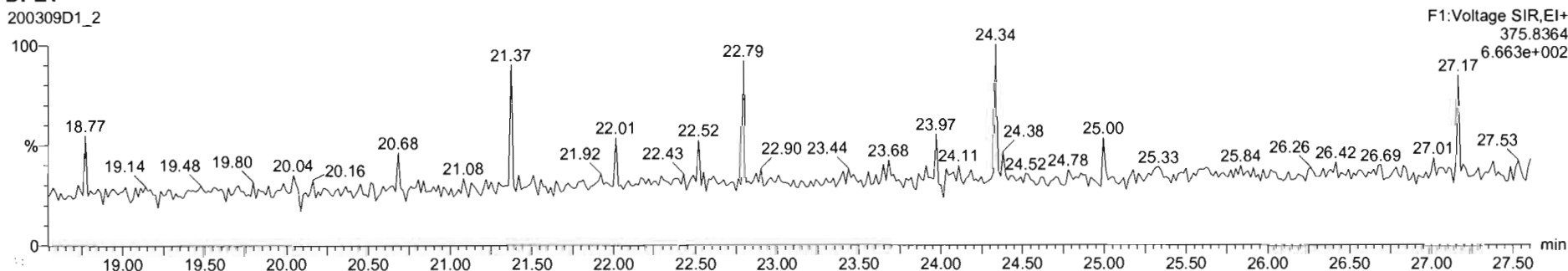


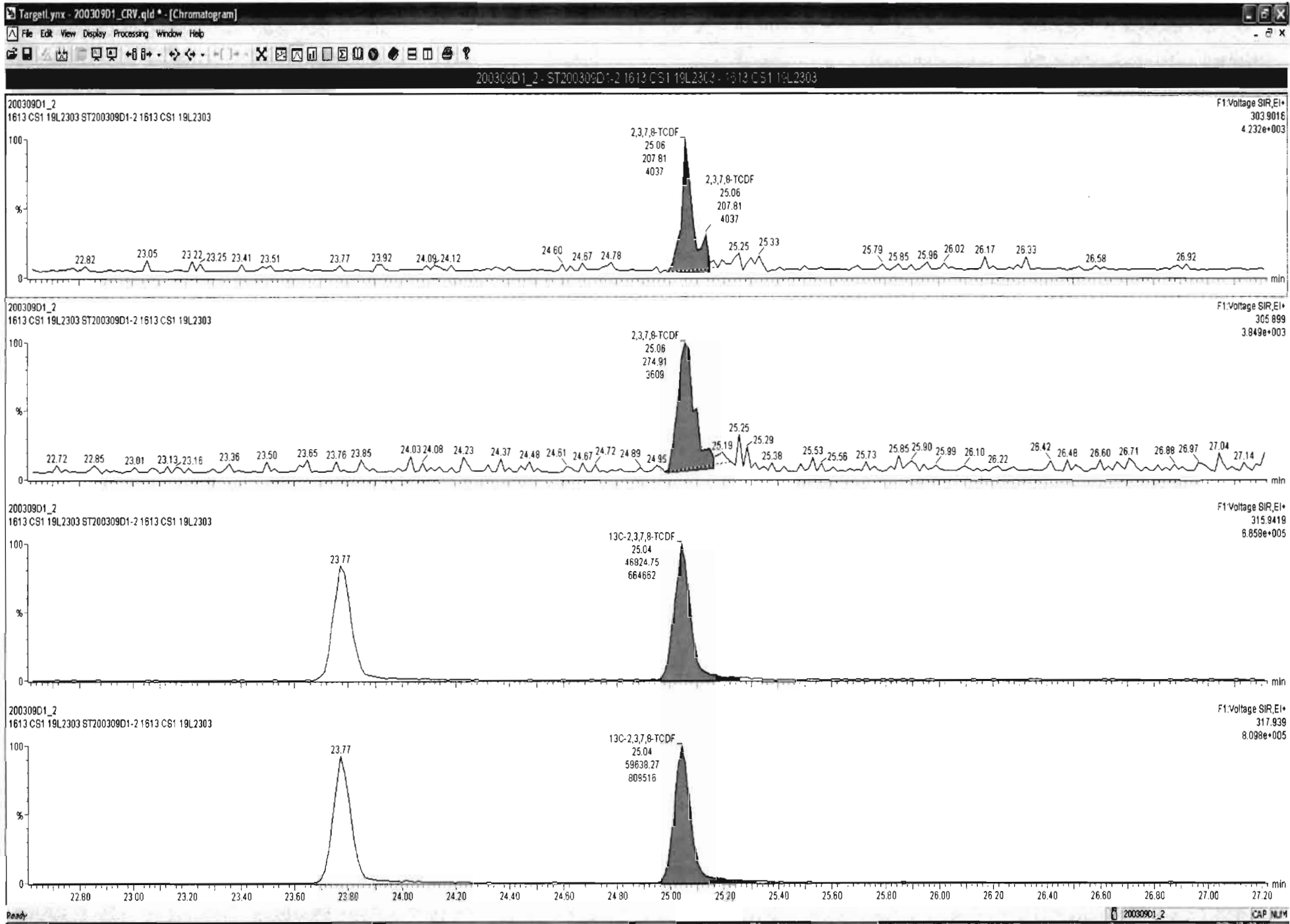
200309D1_2



DPE1

200309D1_2





Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

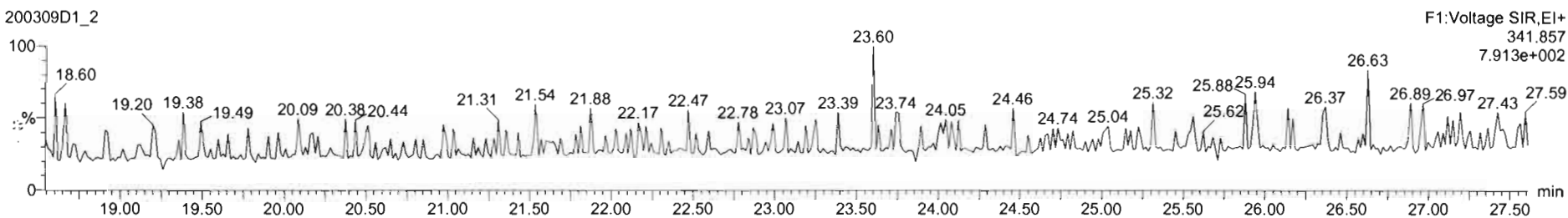
Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1st Func. Penta-Furans

200309D1_2

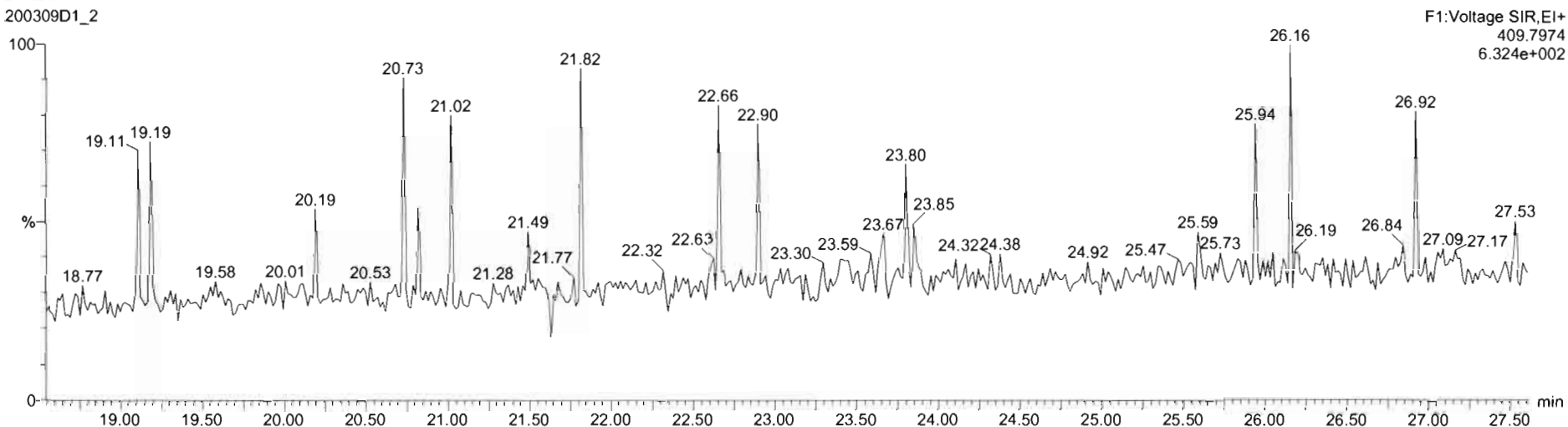


200309D1_2



DPE6

200309D1_2



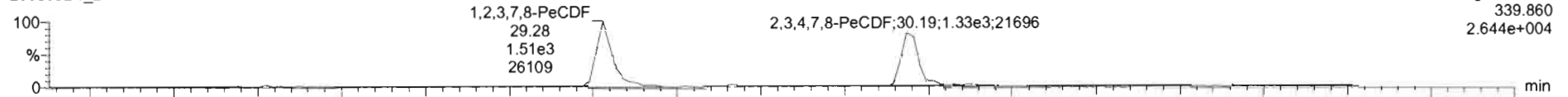
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

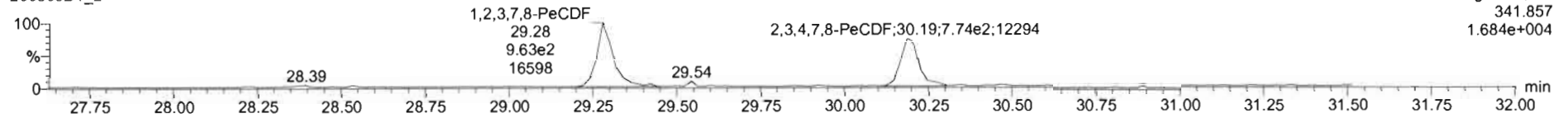
Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

1,2,3,7,8-PeCDF

200309D1_2

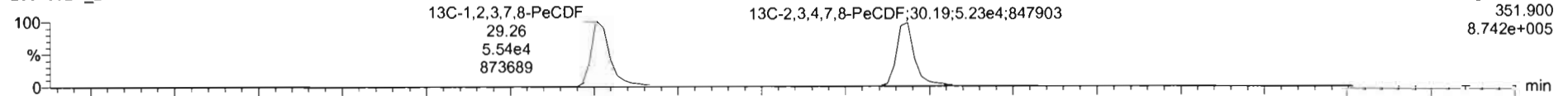


200309D1_2

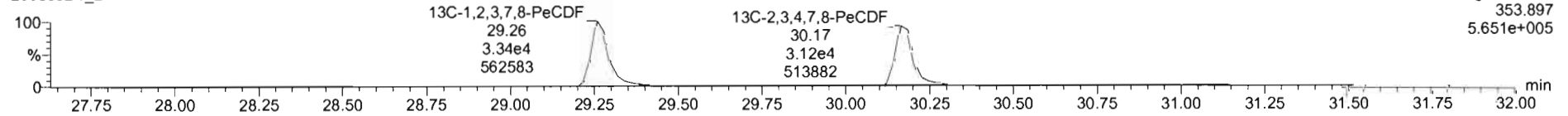


13C-1,2,3,7,8-PeCDF

200309D1_2

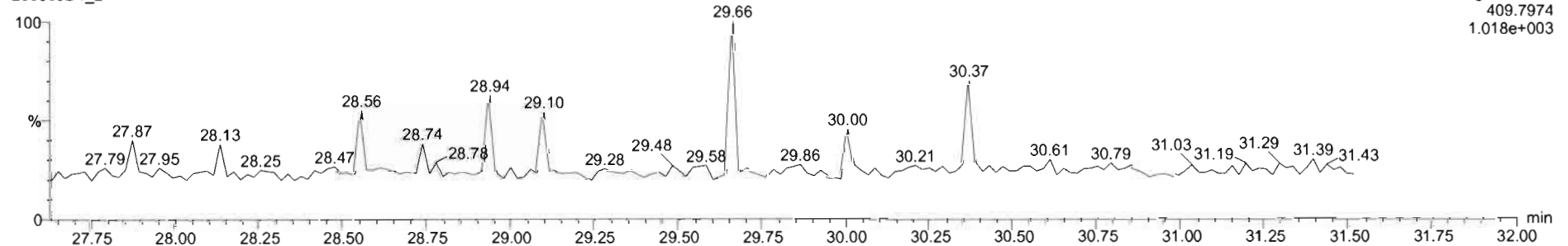


200309D1_2



DPE2

200309D1_2

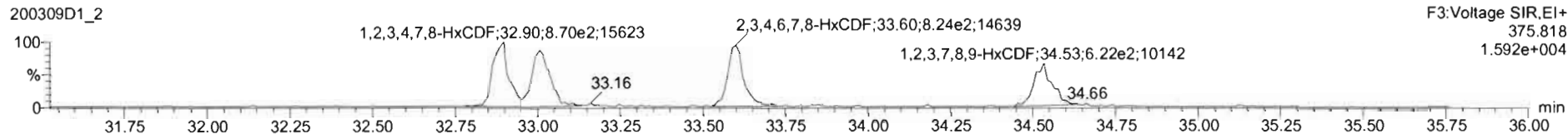
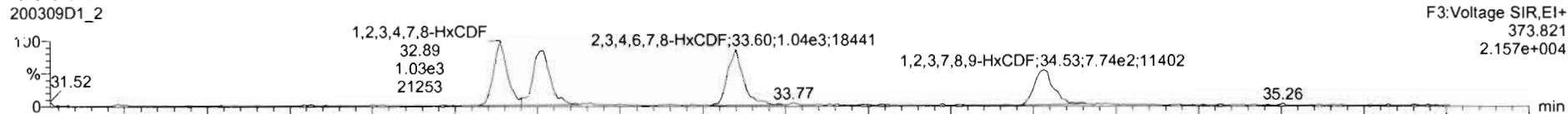


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

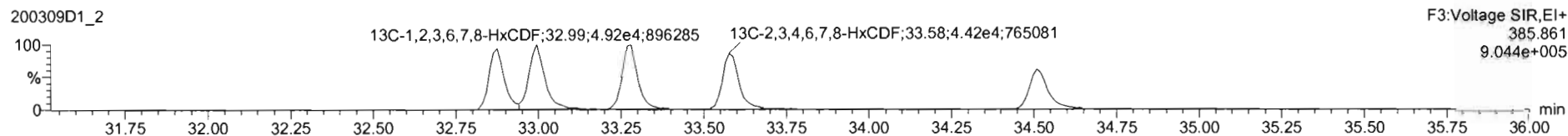
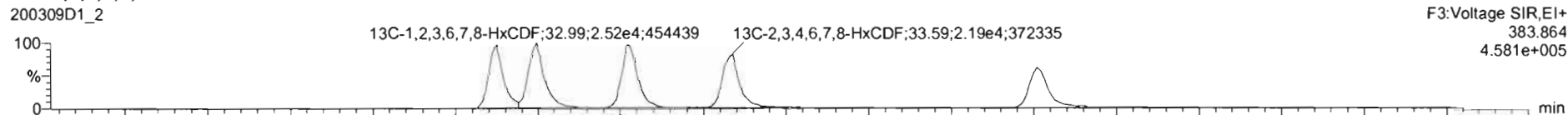
Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
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Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

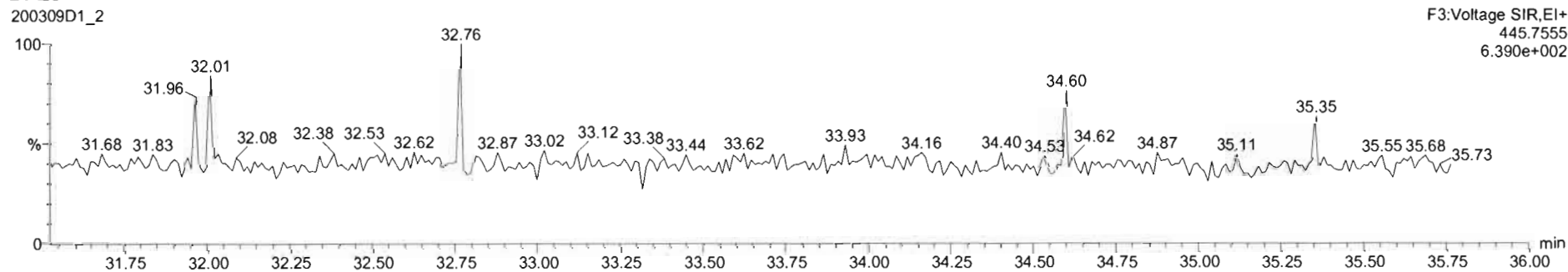
1,2,3,4,7,8-HxCDF



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



DPE3

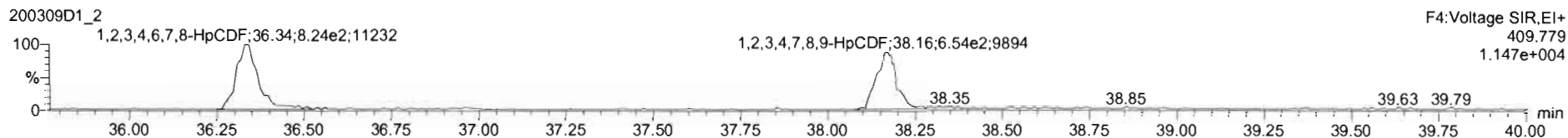
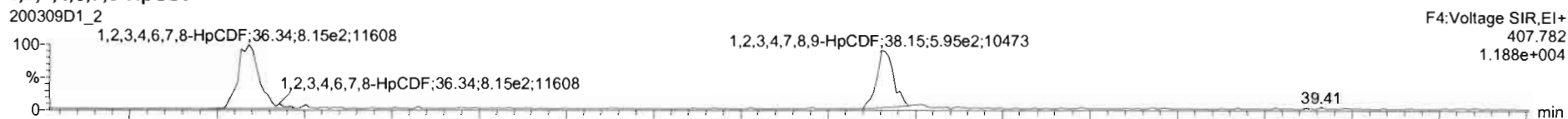


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

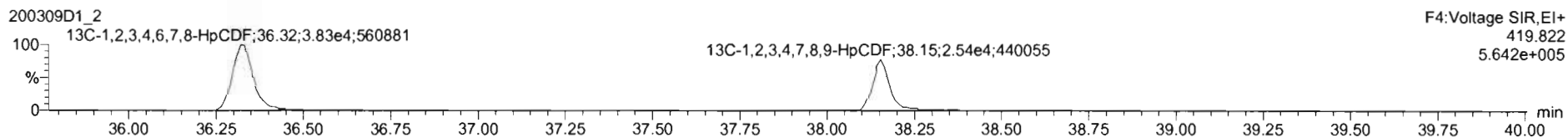
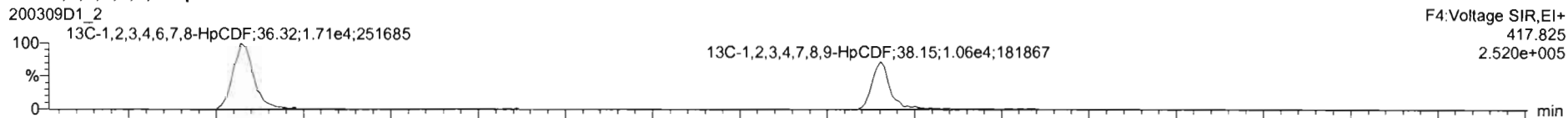
Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

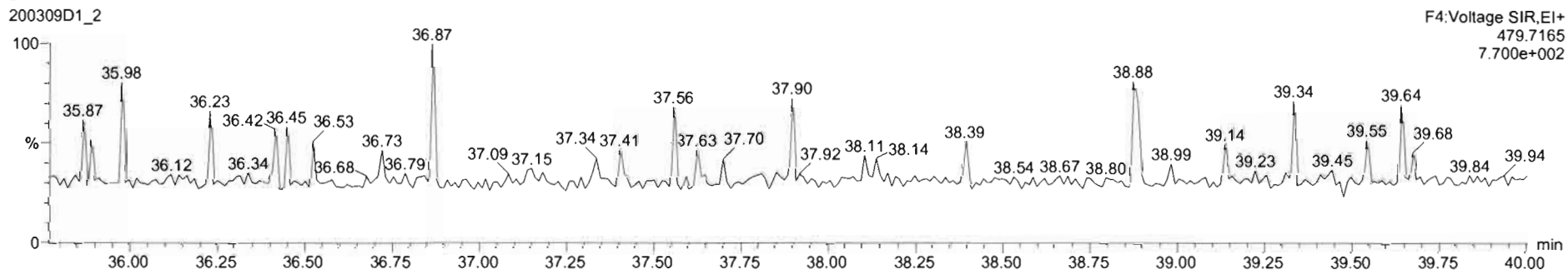
1,2,3,4,6,7,8-HpCDF



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



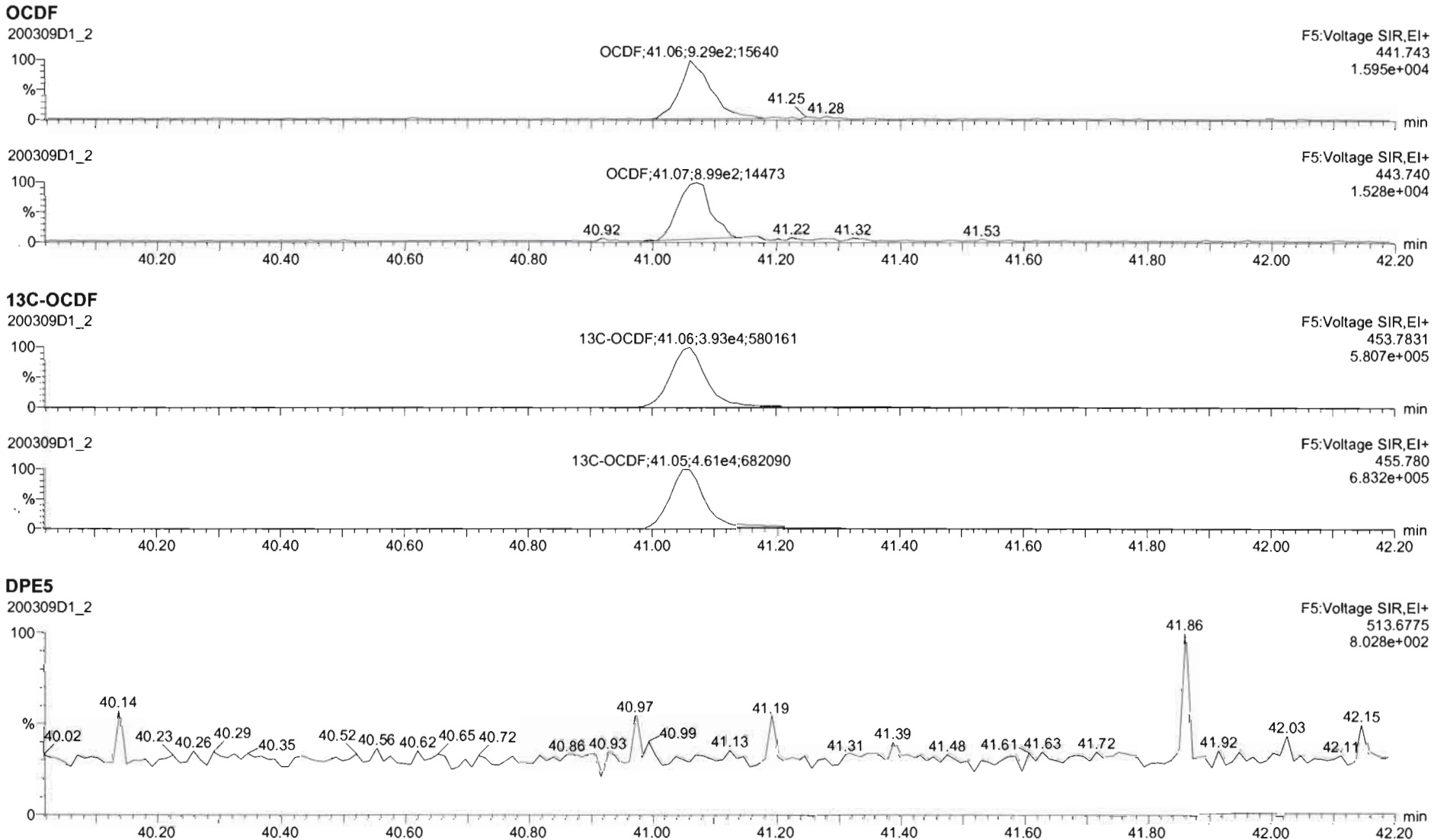
DPE4

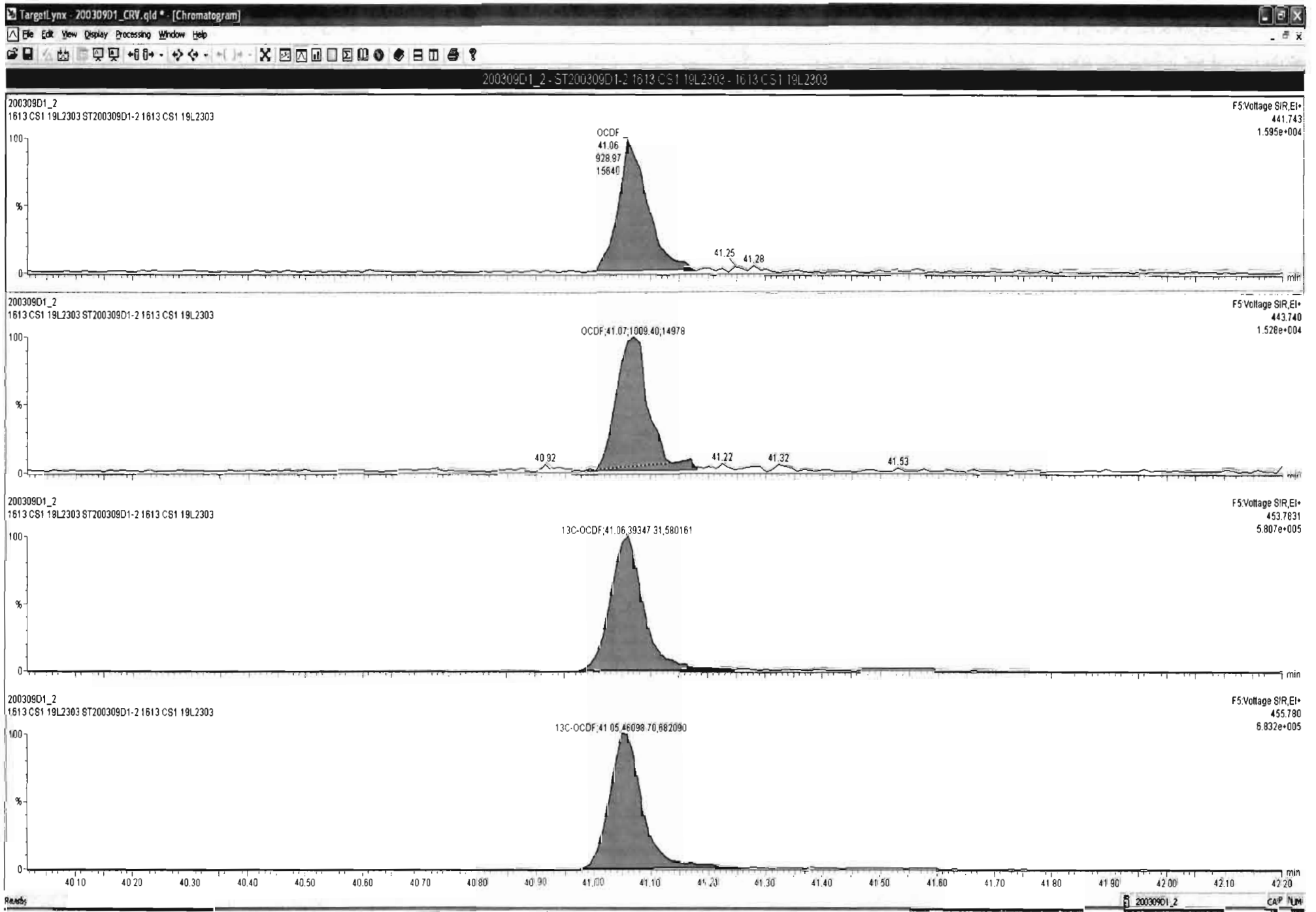


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

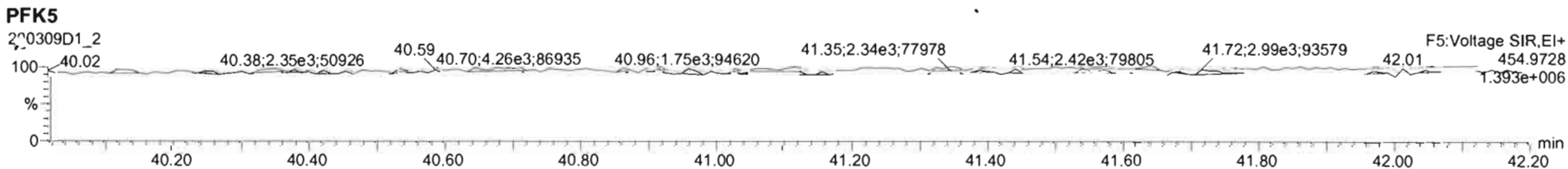
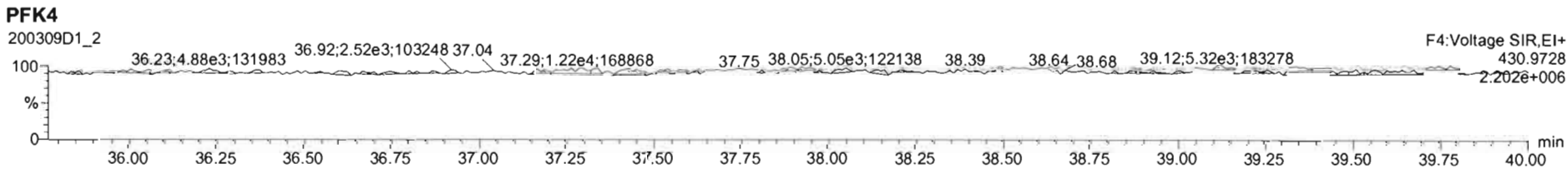
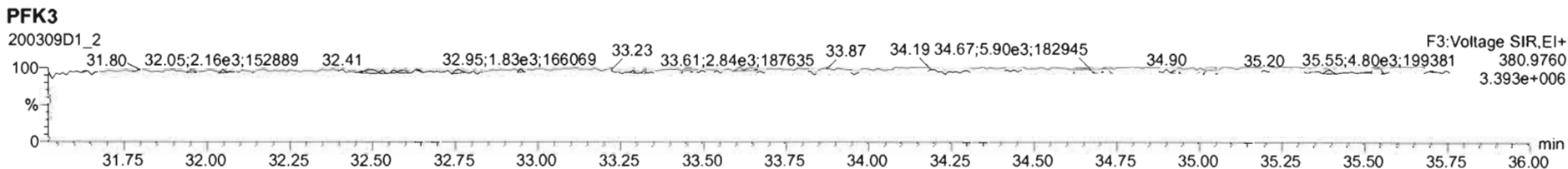
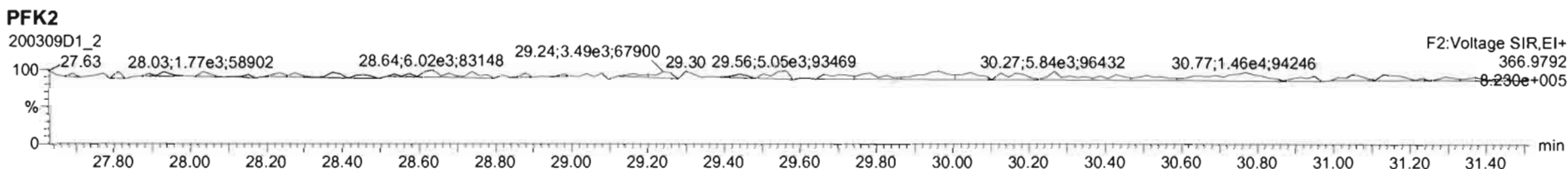
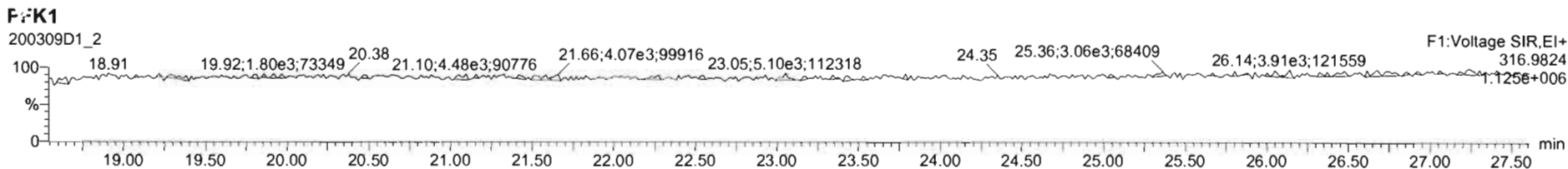




Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_2, Date: 09-Mar-2020, Time: 13:13:59, ID: ST200309D1-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303



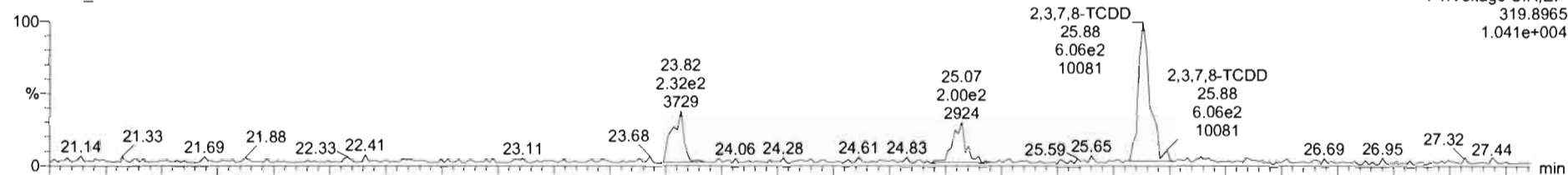
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

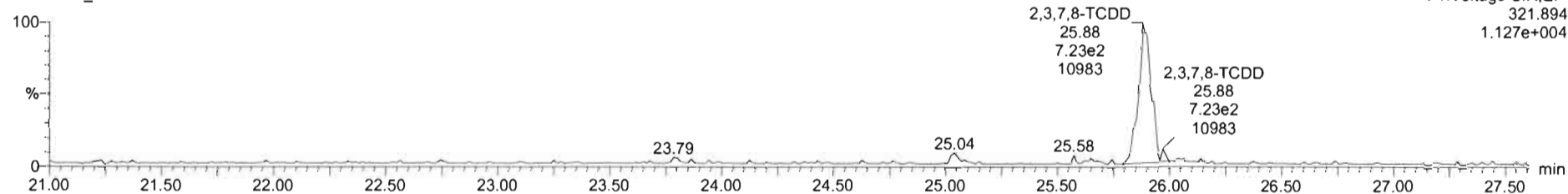
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2,3,7,8-TCDD

200309D1_3

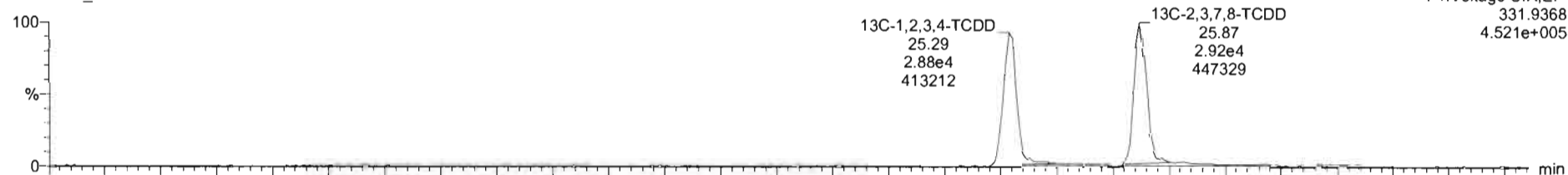


2 0309D1_3

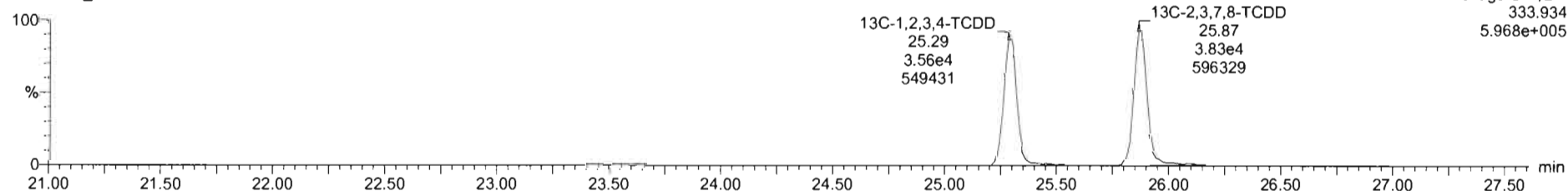


13C-2,3,7,8-TCDD

200309D1_3



200309D1_3



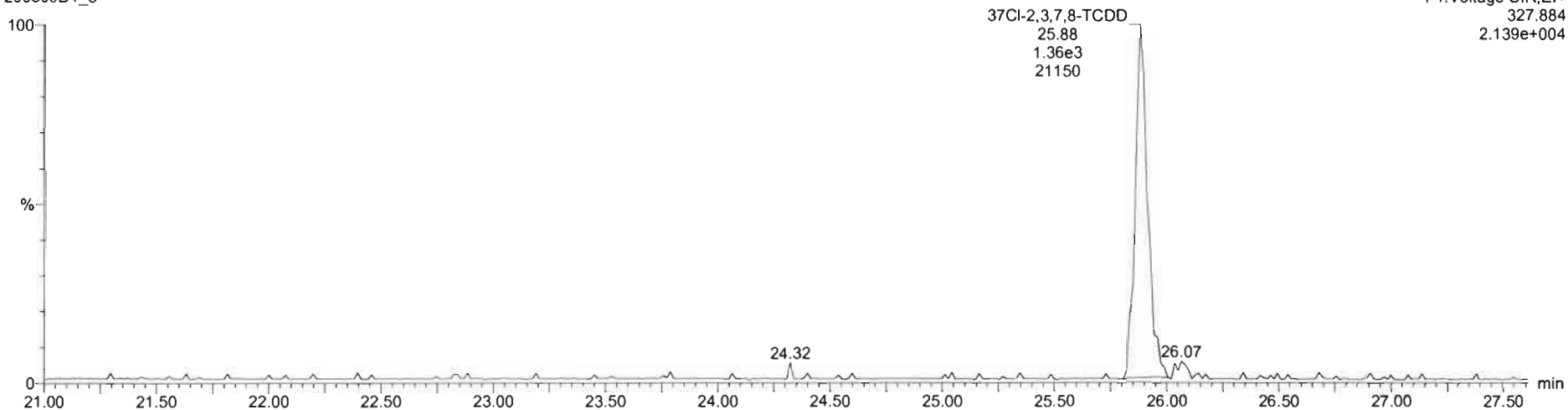
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_3, Date: 09-Mar-2020, Time: 13:58:44, ID: ST200309D1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

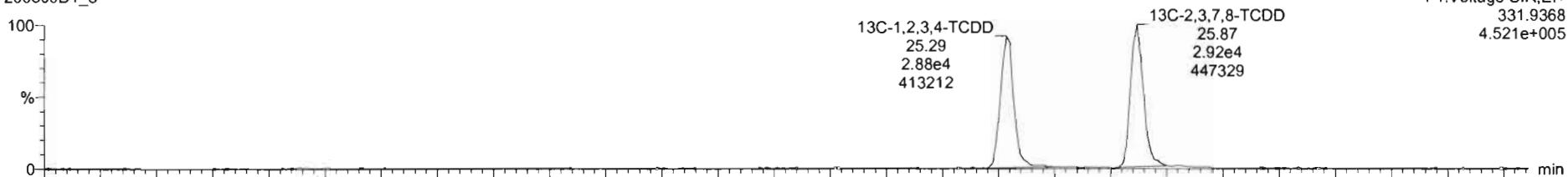
37Cl-2,3,7,8-TCDD

200309D1_3

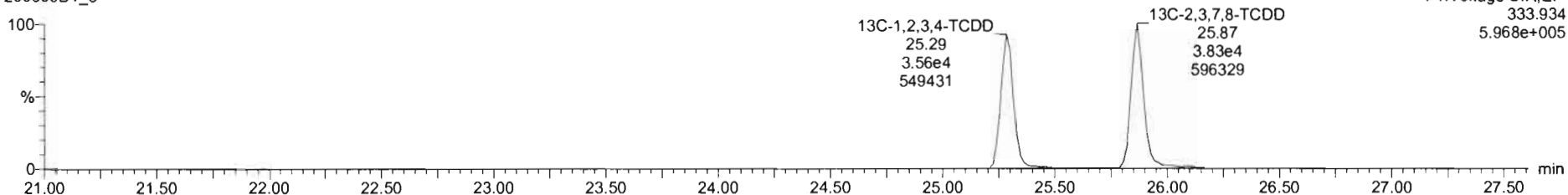


13C-1,2,3,4-TCDD

200309D1_3



200309D1_3



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

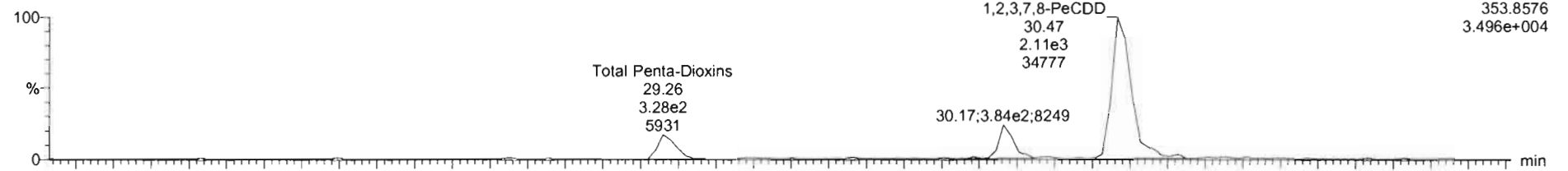
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

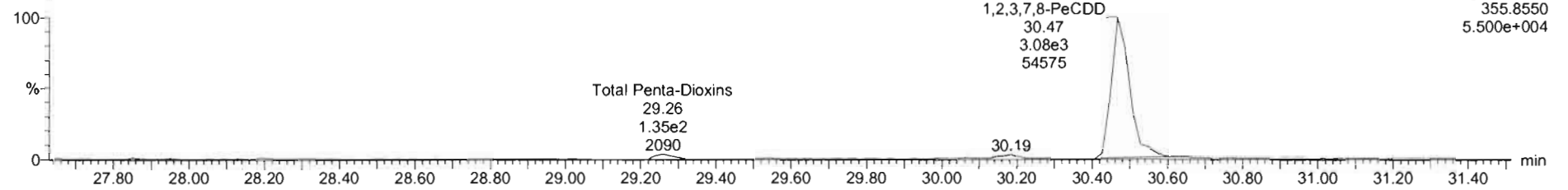
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1,2,3,7,8-PeCDD

200309D1_3

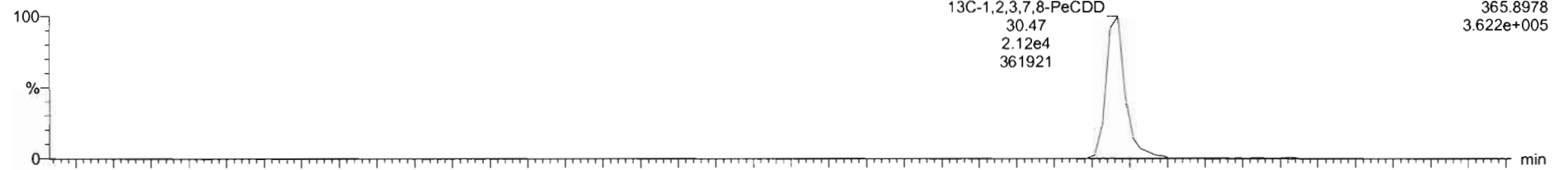


200309D1_3

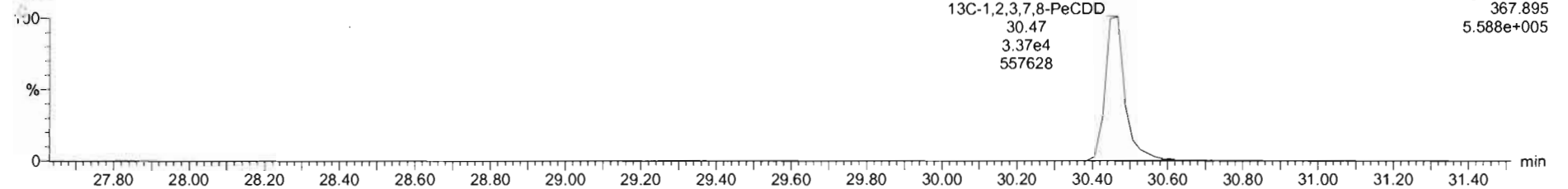


13C-1,2,3,7,8-PeCDD

200309D1_3



200309D1_3



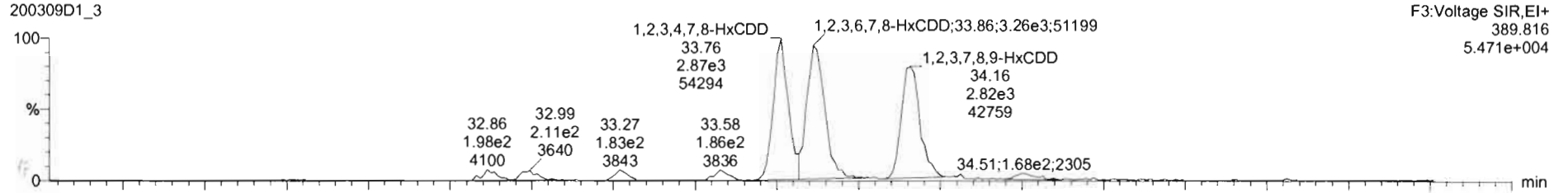
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

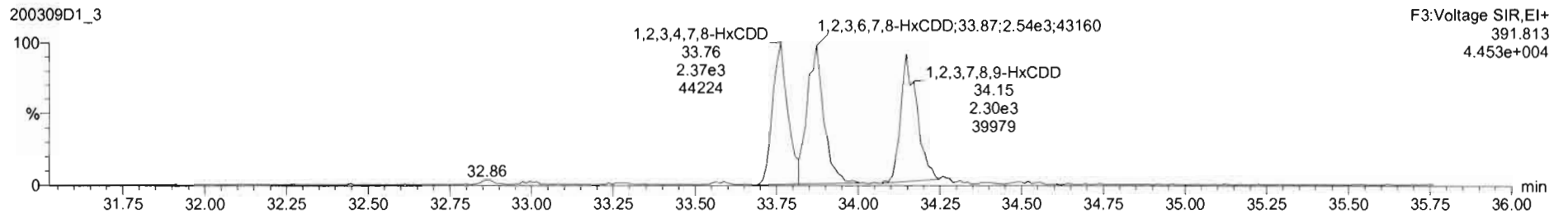
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1,2,3,4,7,8-HxCDD

200309D1_3

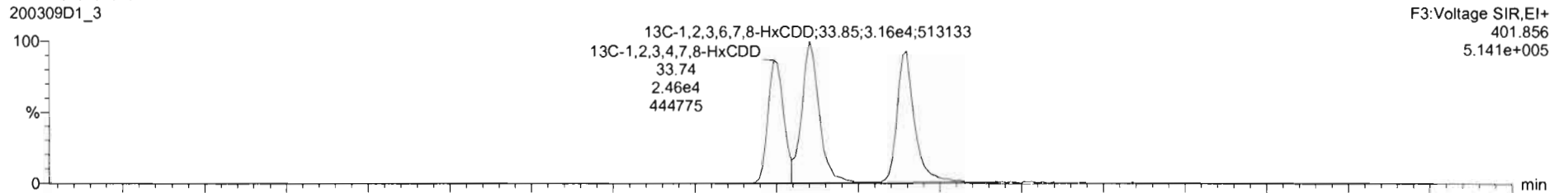


200309D1_3

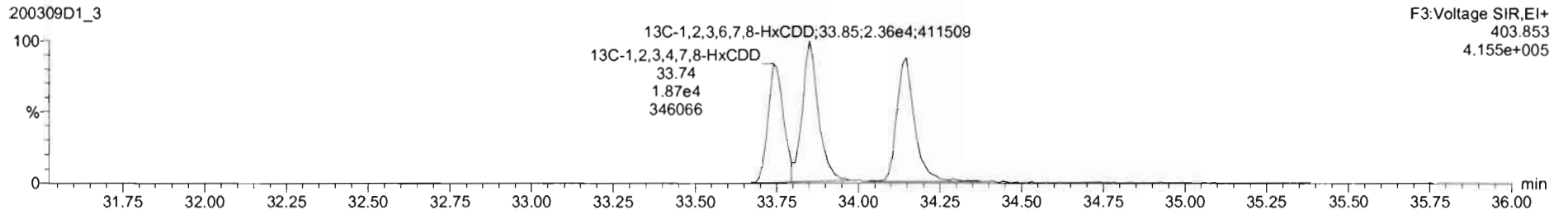


13C-1,2,3,4,7,8-HxCDD

200309D1_3



200309D1_3



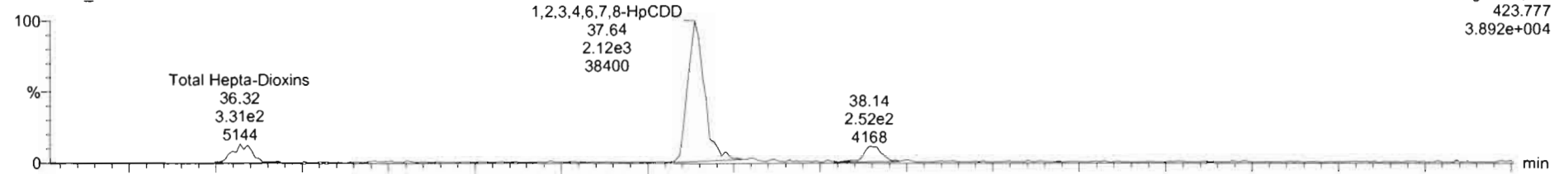
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_3, Date: 09-Mar-2020, Time: 13:58:44, ID: ST200309D1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

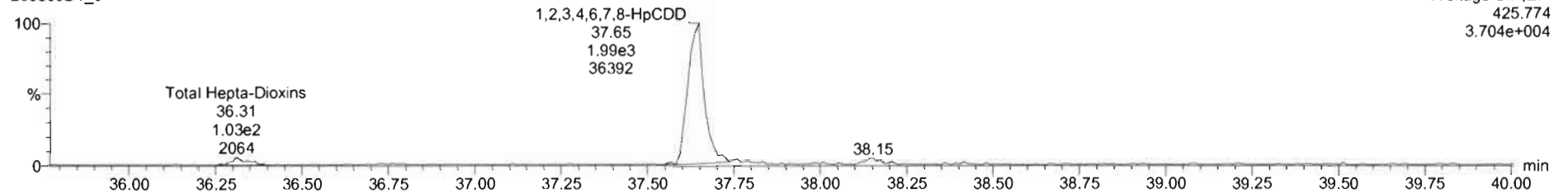
1,2,3,4,6,7,8-HpCDD

200309D1_3



F4:Voltage SIR,EI+
423.777
3.892e+004

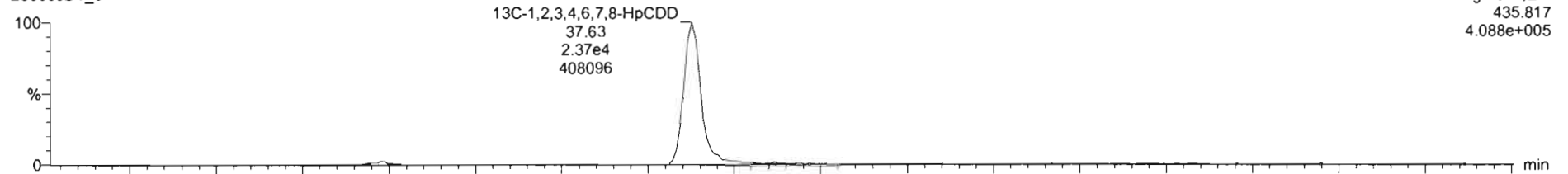
200309D1_3



F4:Voltage SIR,EI+
425.774
3.704e+004

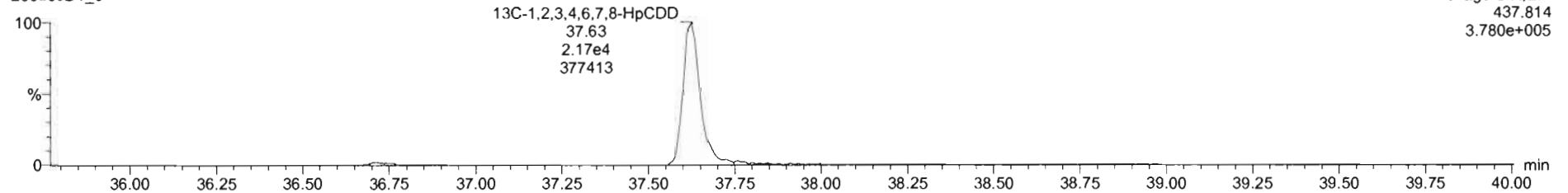
13C-1,2,3,4,6,7,8-HpCDD

200309D1_3



F4:Voltage SIR,EI+
435.817
4.088e+005

200309D1_3

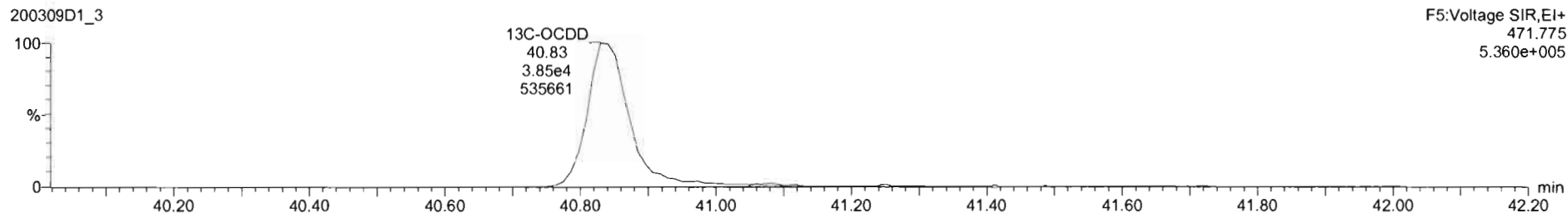
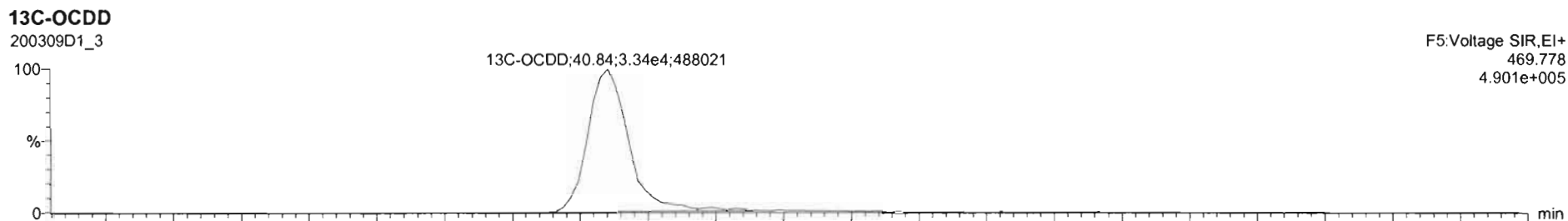
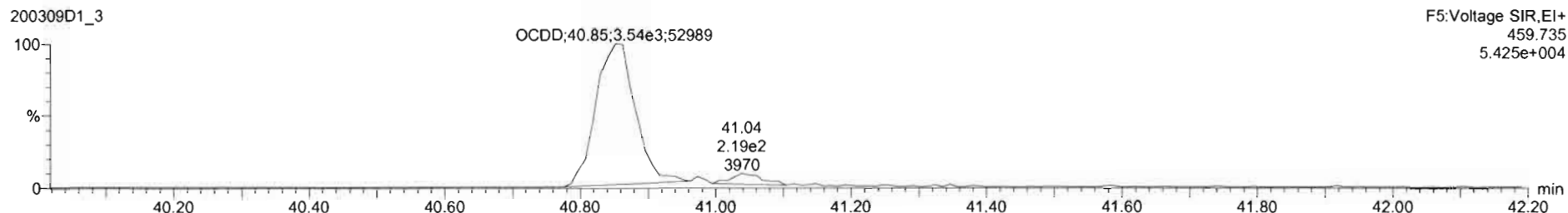
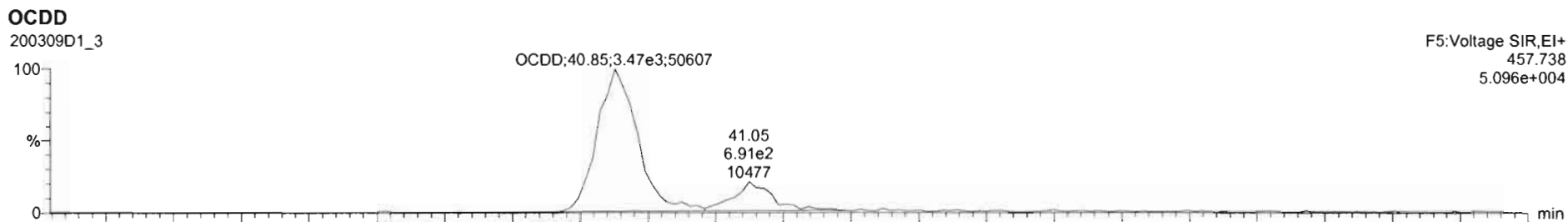


F4:Voltage SIR,EI+
437.814
3.780e+005

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_3, Date: 09-Mar-2020, Time: 13:58:44, ID: ST200309D1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_3, Date: 09-Mar-2020, Time: 13:58:44, ID: ST200309D1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

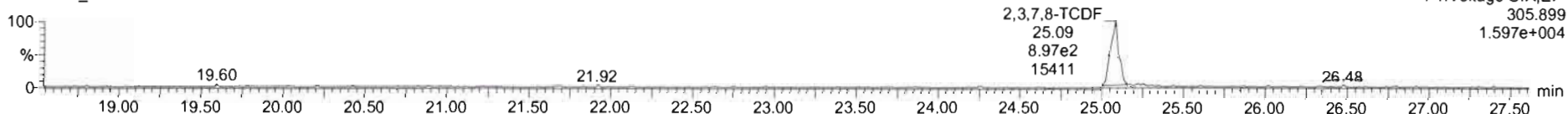
2,3,7,8-TCDF

200309D1_3



F1:Voltage SIR,EI+
303.9016
1.225e+004

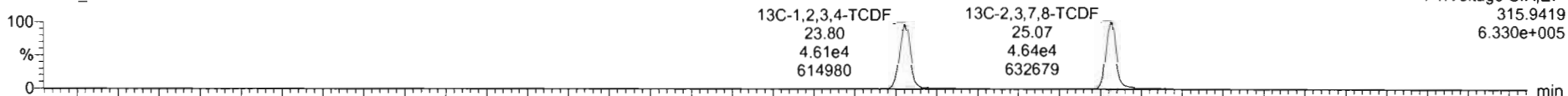
200309D1_3



F1:Voltage SIR,EI+
305.899
1.597e+004

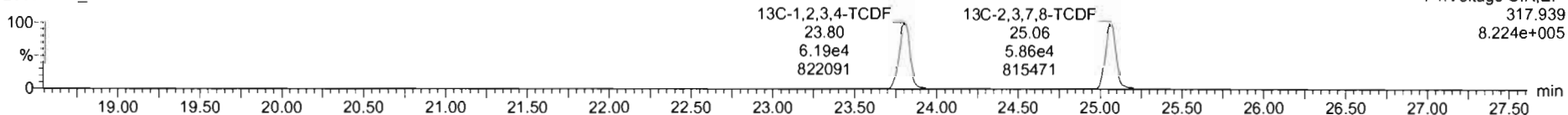
13C-2,3,7,8-TCDF

200309D1_3



F1:Voltage SIR,EI+
315.9419
6.330e+005

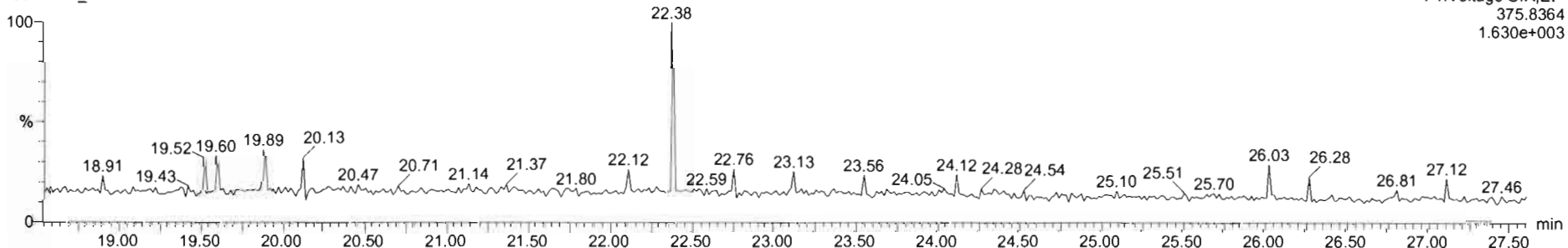
200309D1_3



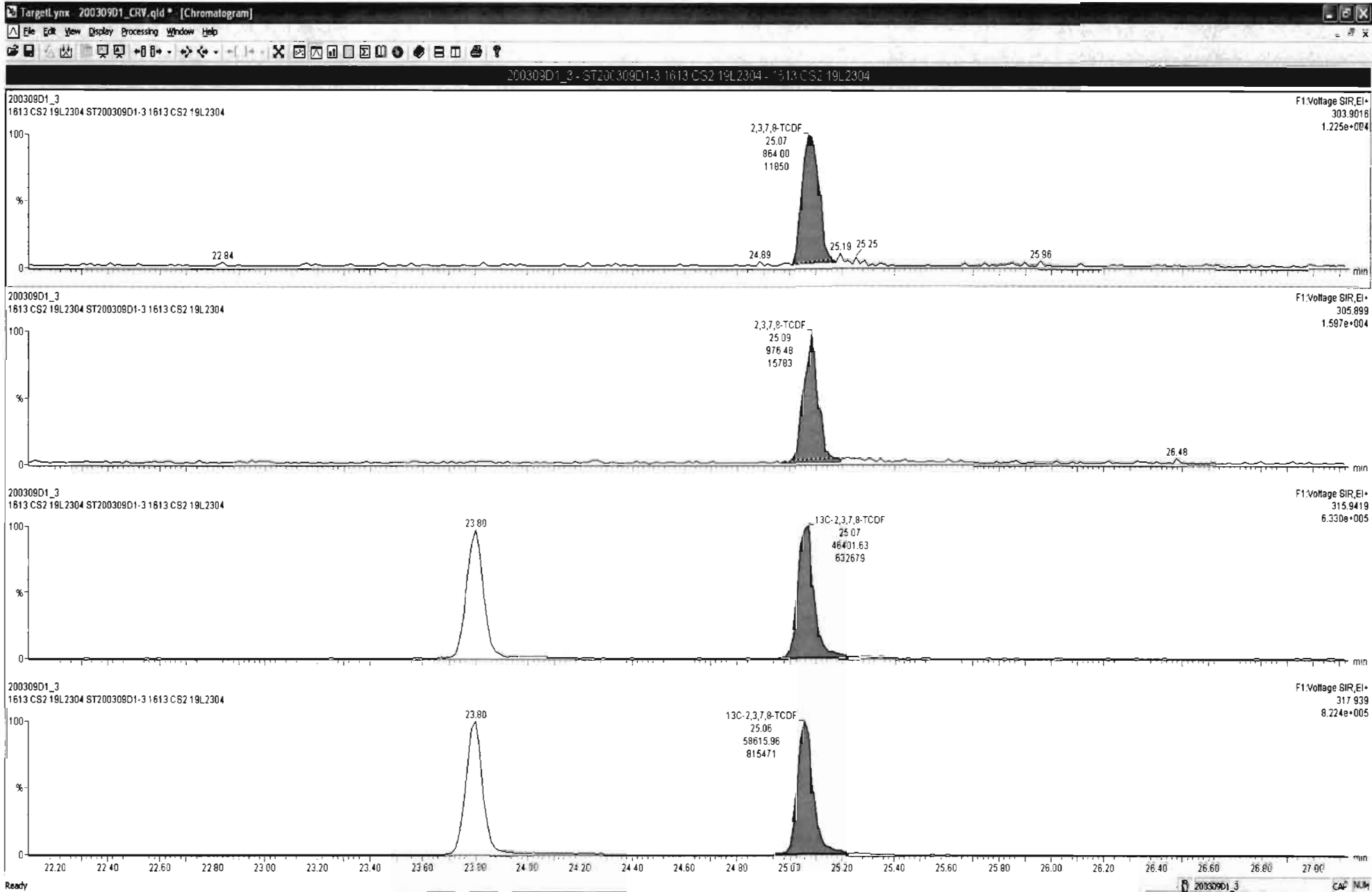
F1:Voltage SIR,EI+
317.939
8.224e+005

DPE1

200309D1_3



F1:Voltage SIR,EI+
375.8364
1.630e+003



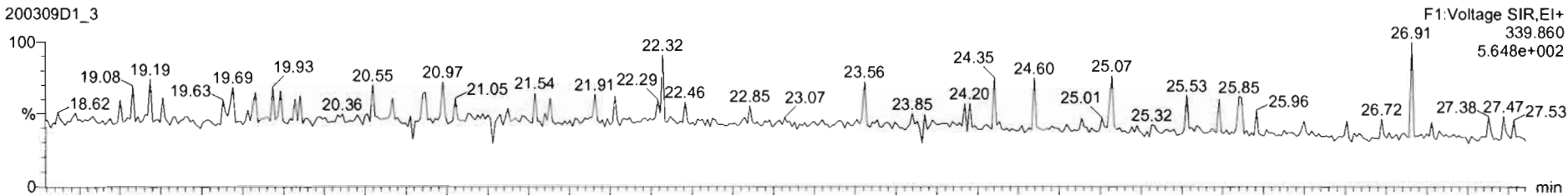
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

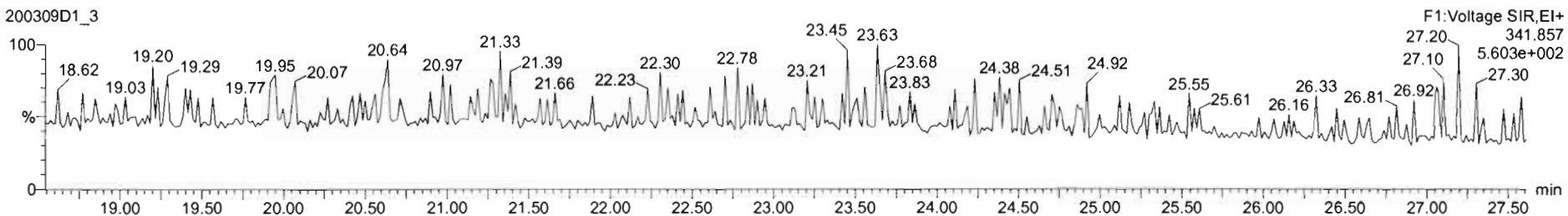
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1st Func. Penta-Furans

200309D1_3

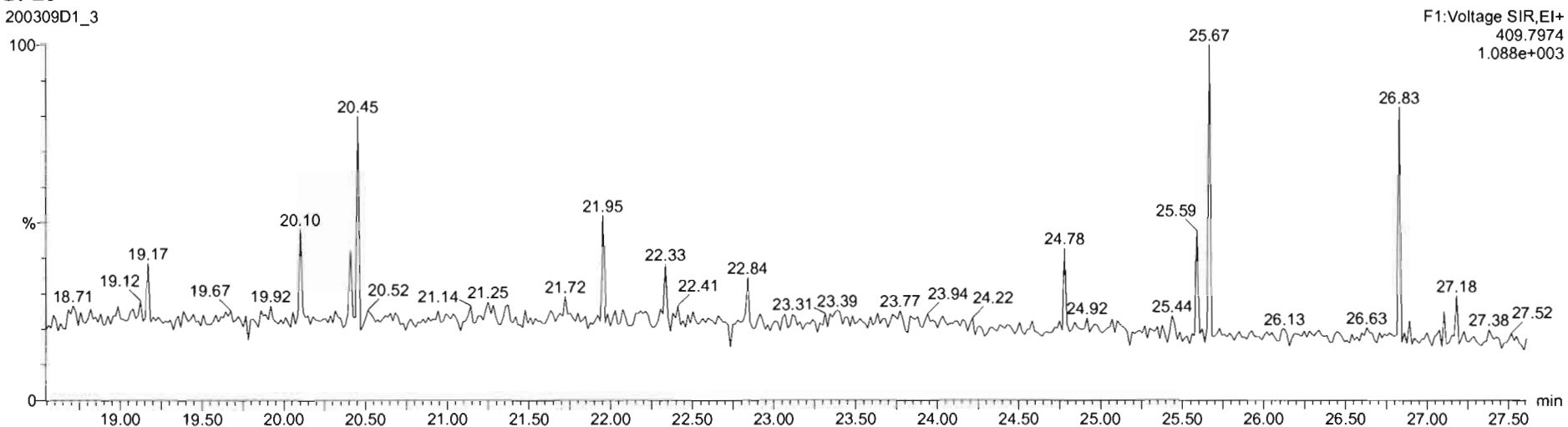


200309D1_3



DPE6

200309D1_3



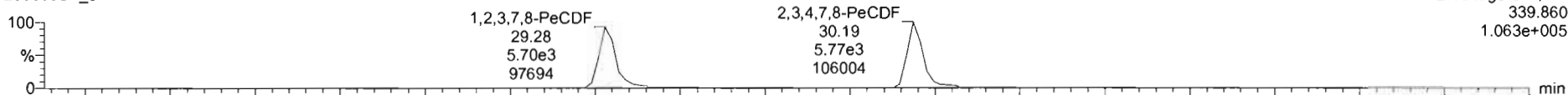
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

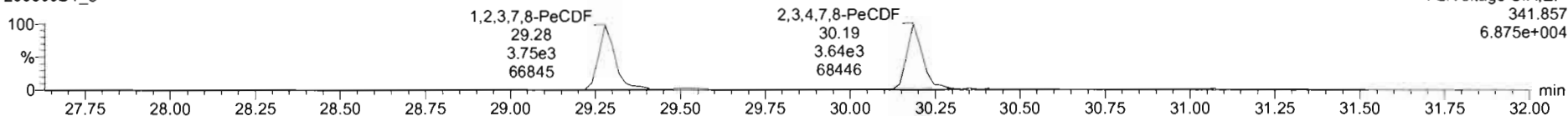
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1,2,3,7,8-PeCDF

200309D1_3

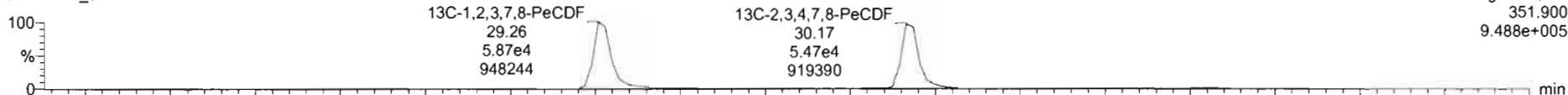


200309D1_3

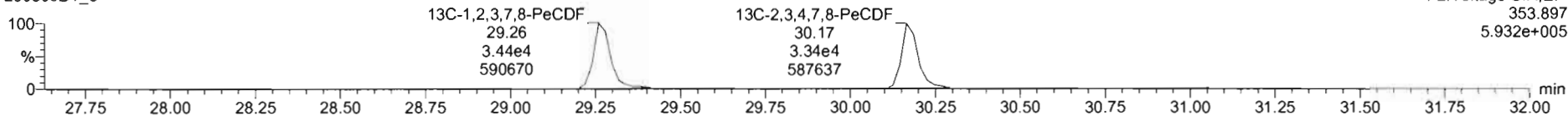


13C-1,2,3,7,8-PeCDF

200309D1_3

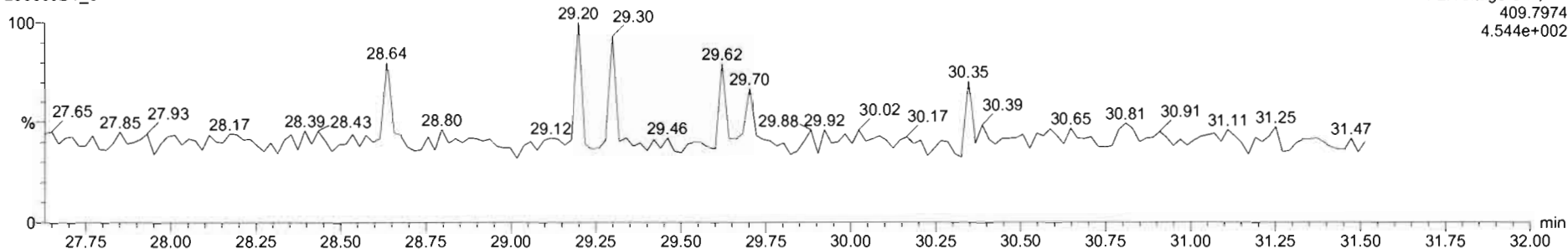


200309D1_3



DPE2

200309D1_3



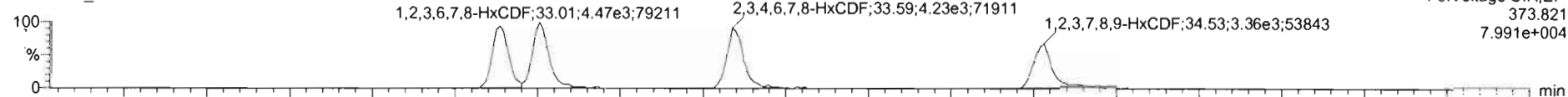
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

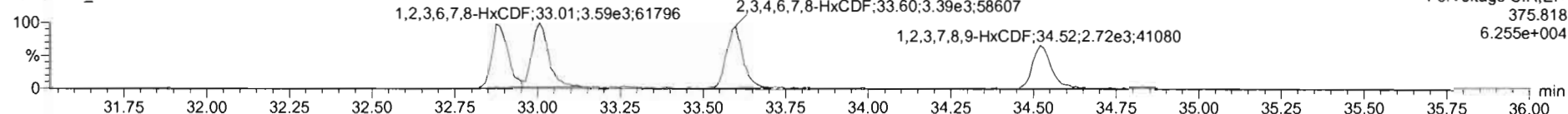
Name: 200309D1_3, Date: 09-Mar-2020, Time: 13:58:44, ID: ST200309D1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

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

200309D1_3

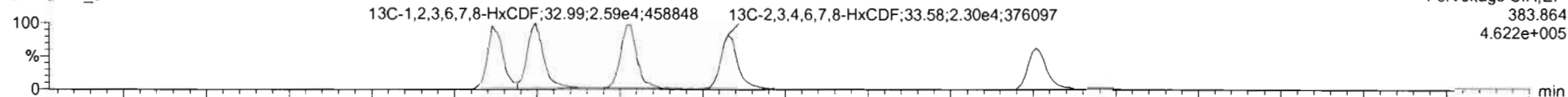


200309D1_3

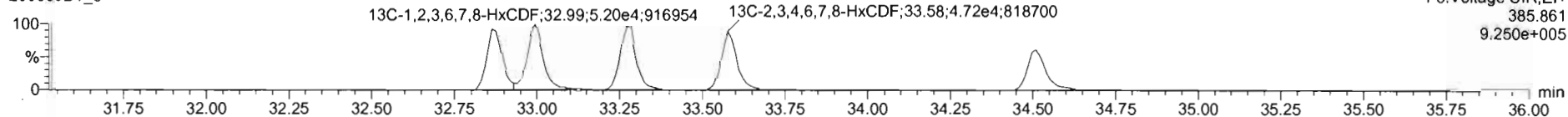


13C-1,2,3,4,7,8-HxCDF

200309D1_3

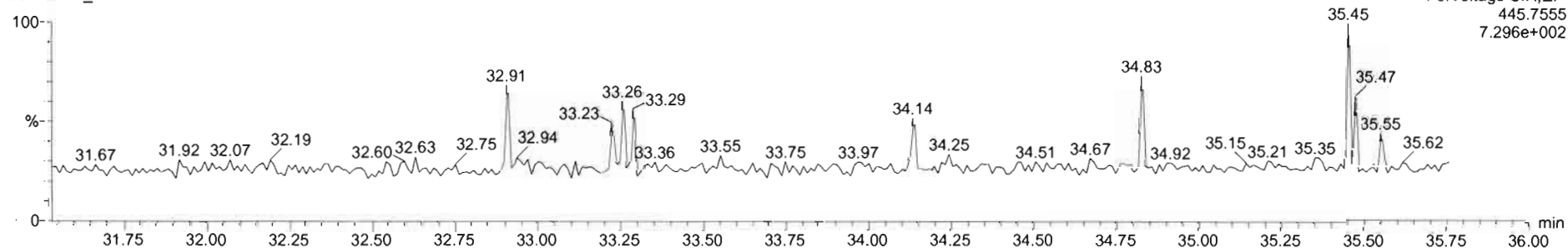


200309D1_3



DPE3

200309D1_3

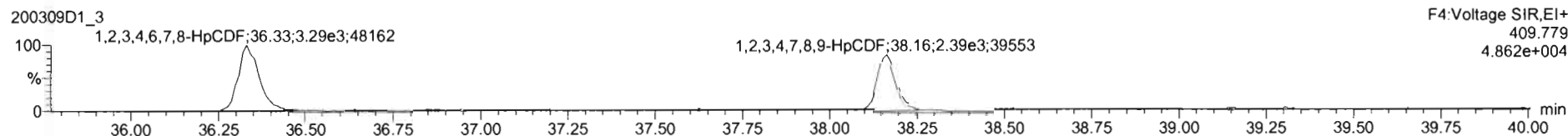
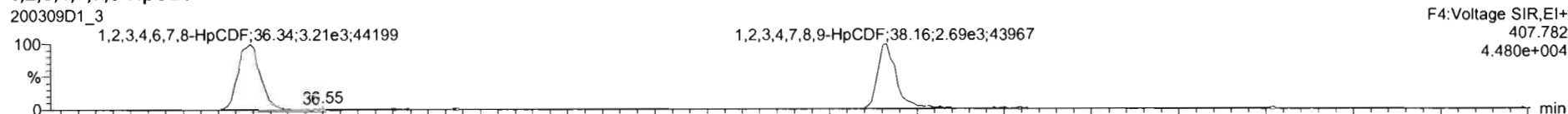


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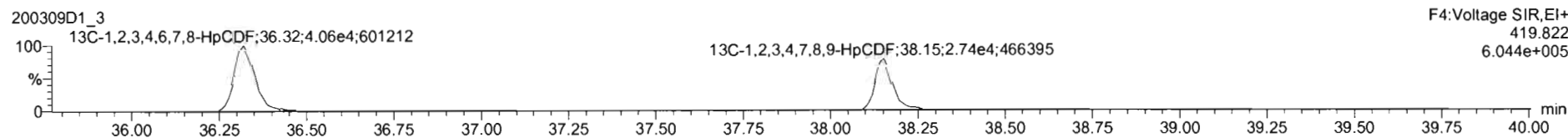
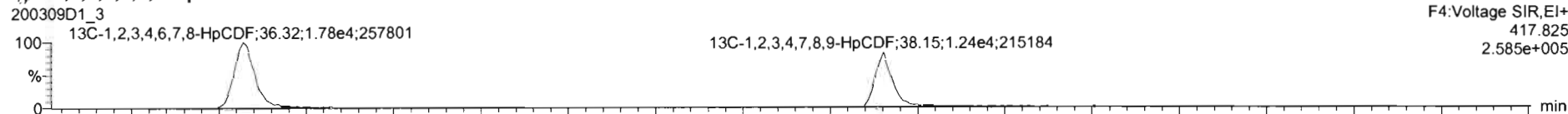
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_3, Date: 09-Mar-2020, Time: 13:58:44, ID: ST200309D1-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

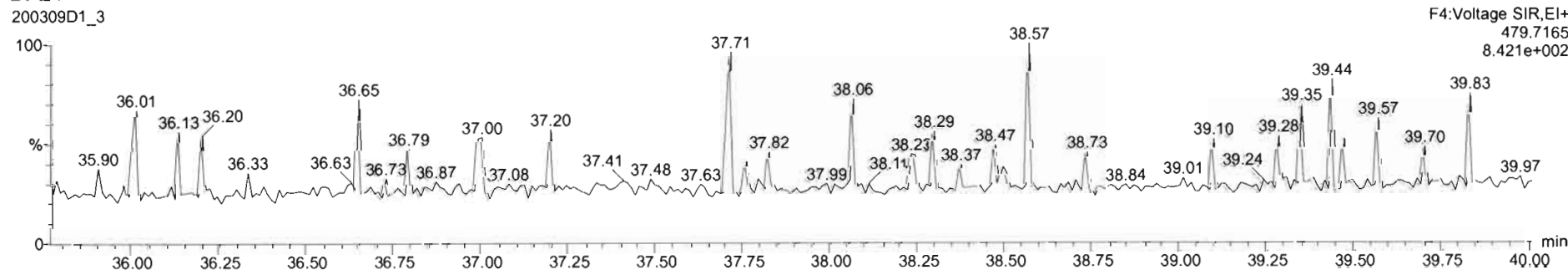
1,2,3,4,6,7,8-HpCDF



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



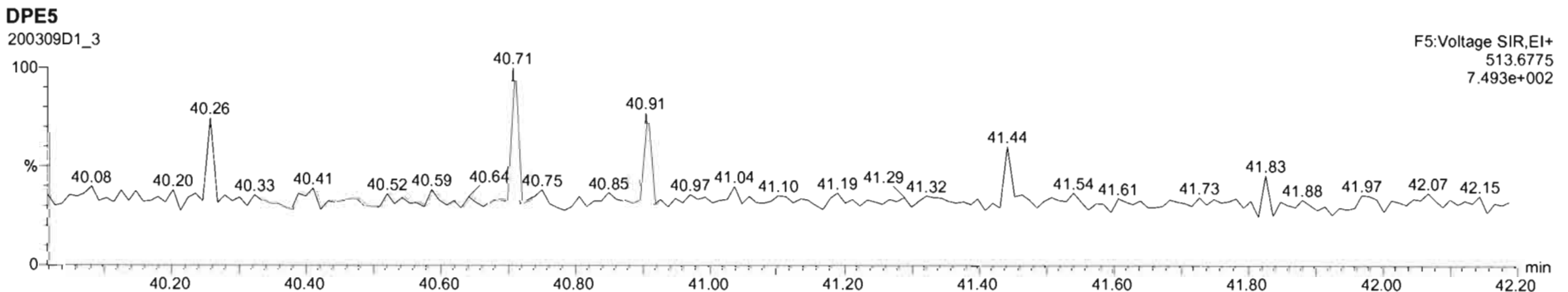
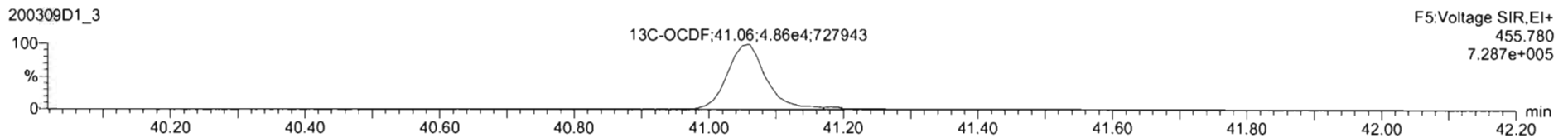
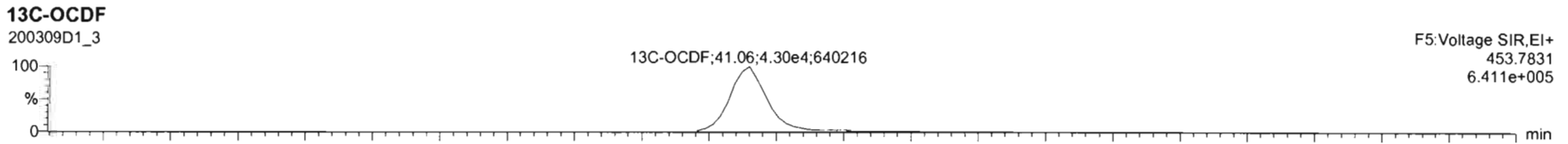
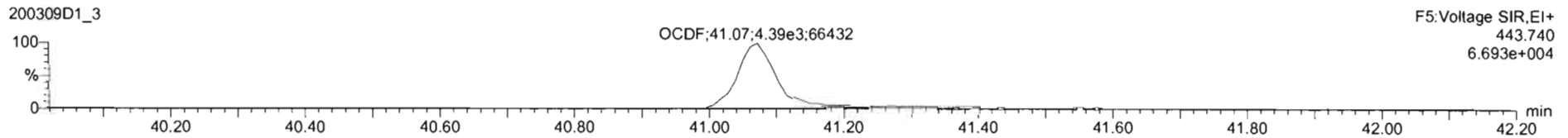
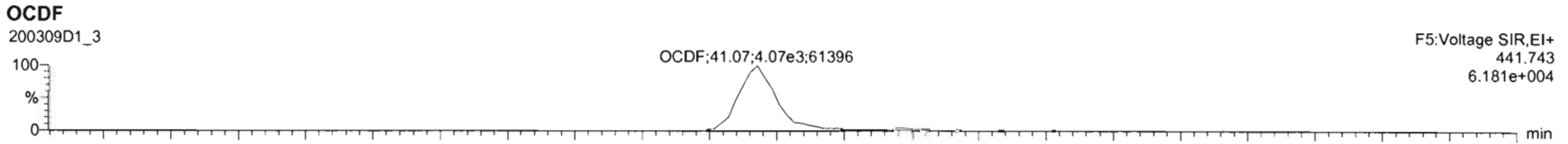
DPE4



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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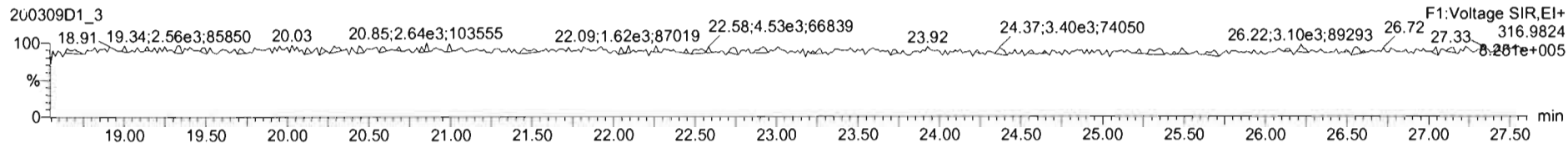


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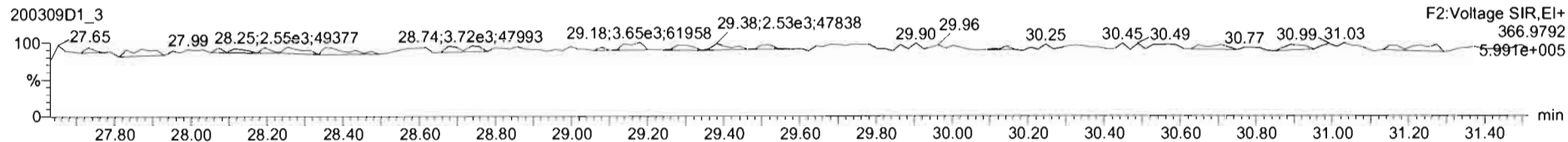
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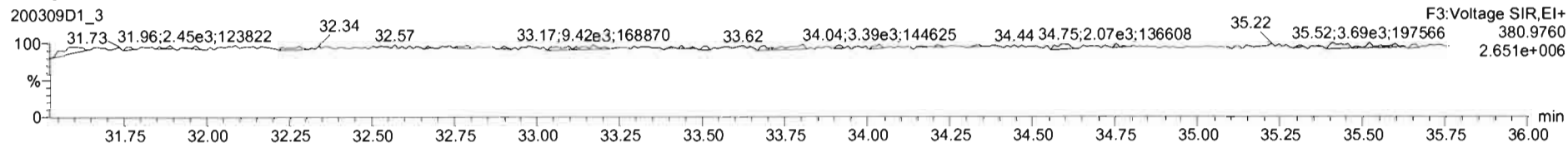
PFK1



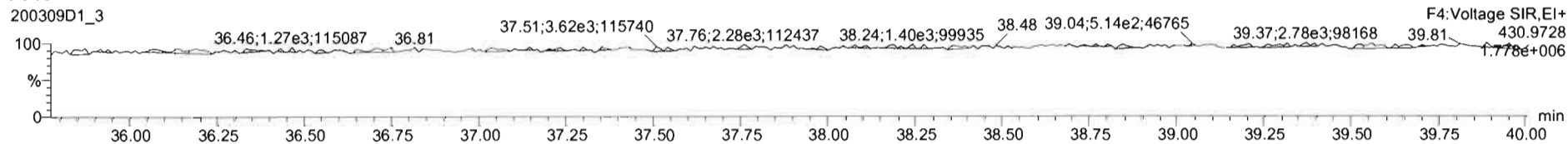
PFK2



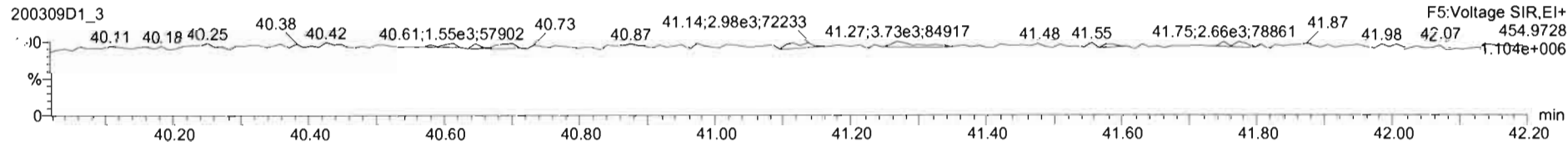
PFK3



PFK4



PFK5



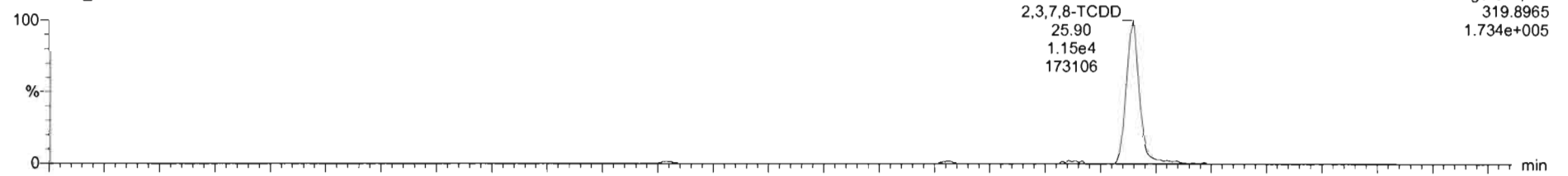
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

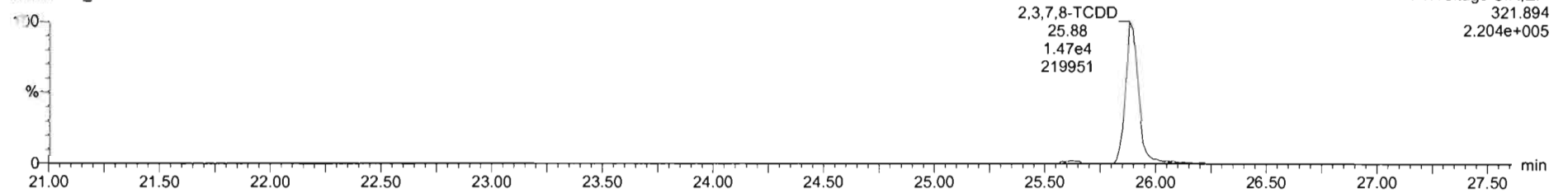
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2,3,7,8-TCDD

200309D1_4

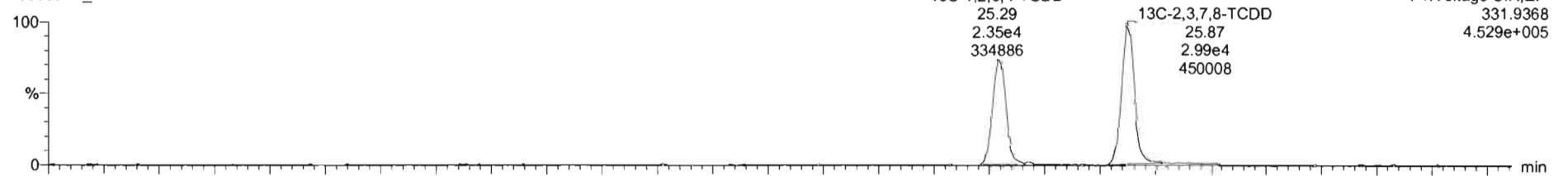


200309D1_4

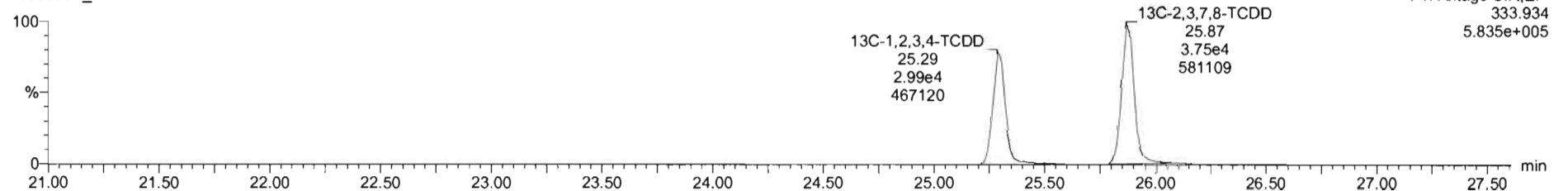


13C-2,3,7,8-TCDD

200309D1_4



200309D1_4



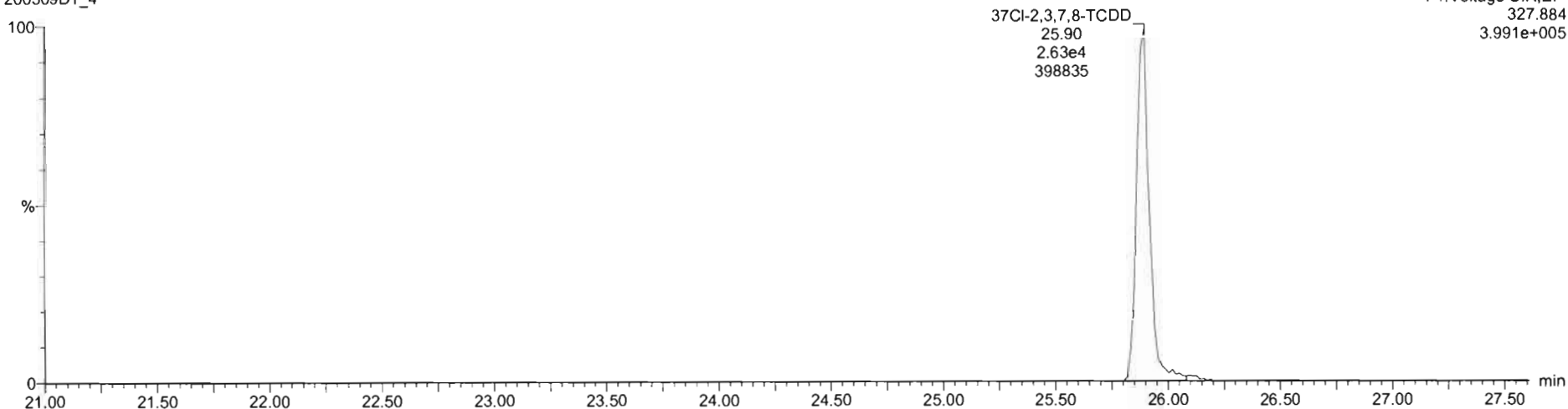
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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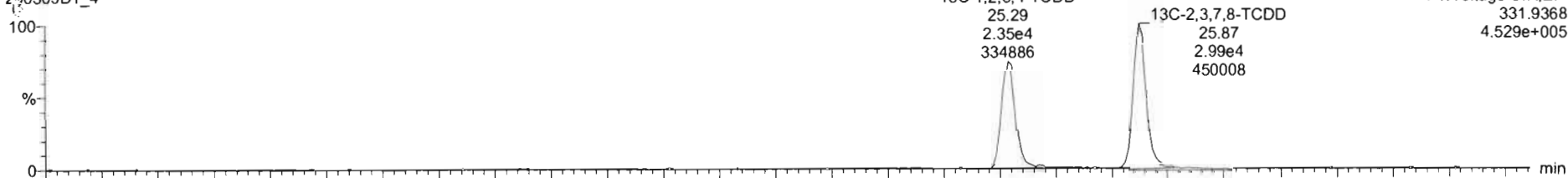
37Cl-2,3,7,8-TCDD

200309D1_4

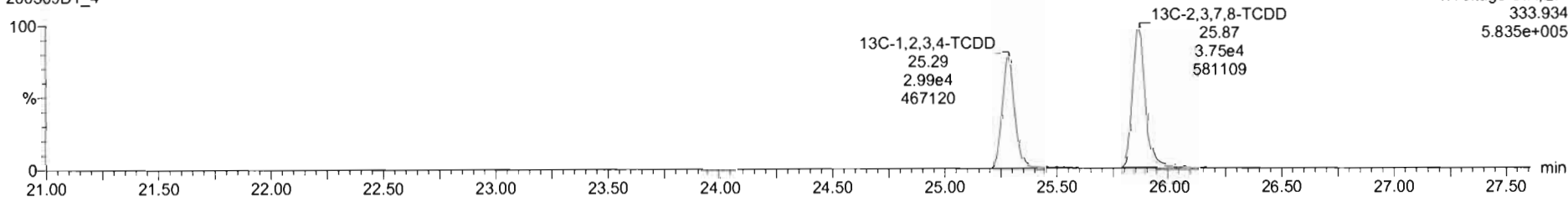


13C-1,2,3,4-TCDD

200309D1_4



200309D1_4



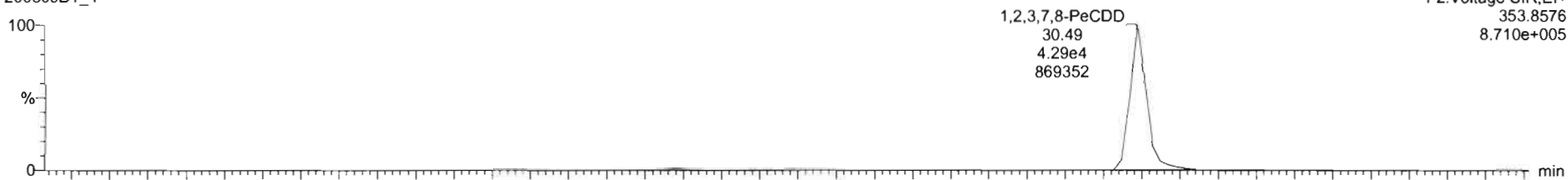
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

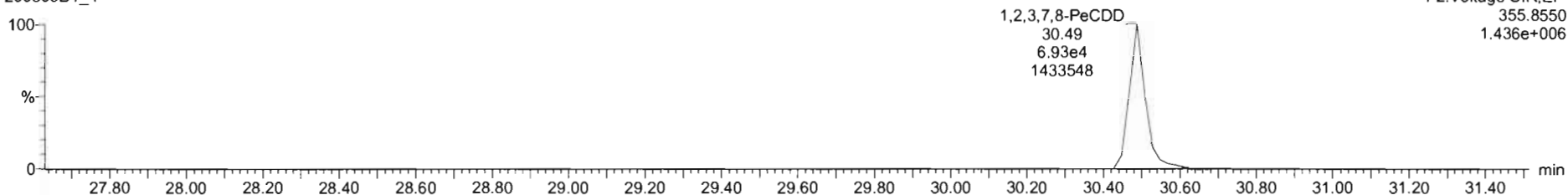
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1,2,3,7,8-PeCDD

200309D1_4

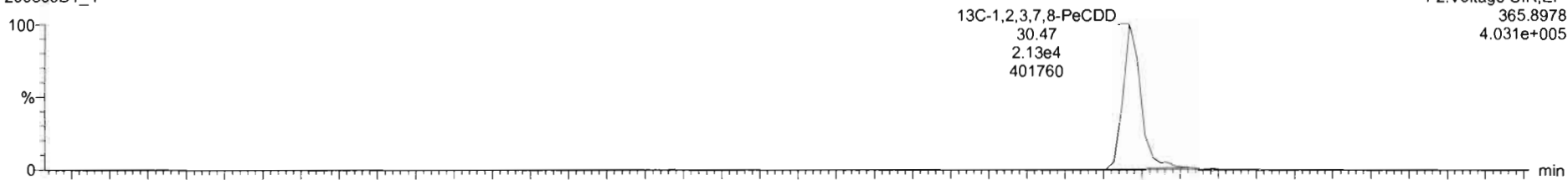


200309D1_4

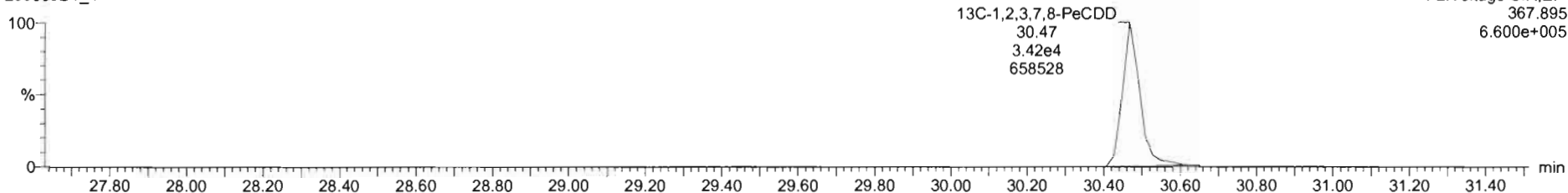


13C-1,2,3,7,8-PeCDD

200309D1_4



200309D1_4



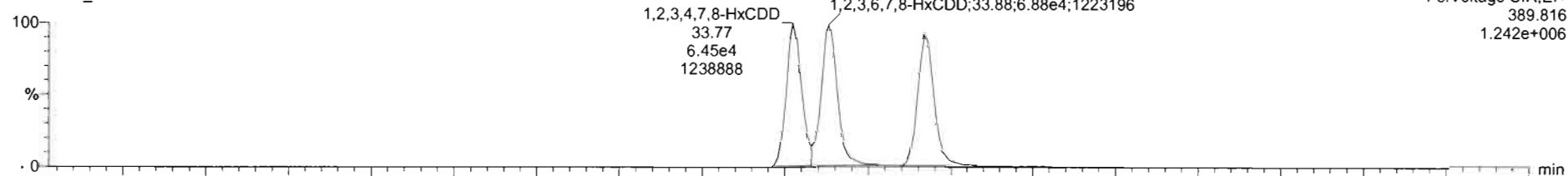
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_4, Date: 09-Mar-2020, Time: 14:43:39, ID: ST200309D1-4 1613 CS4 19L2306, Description: 1613 CS4 19L2306

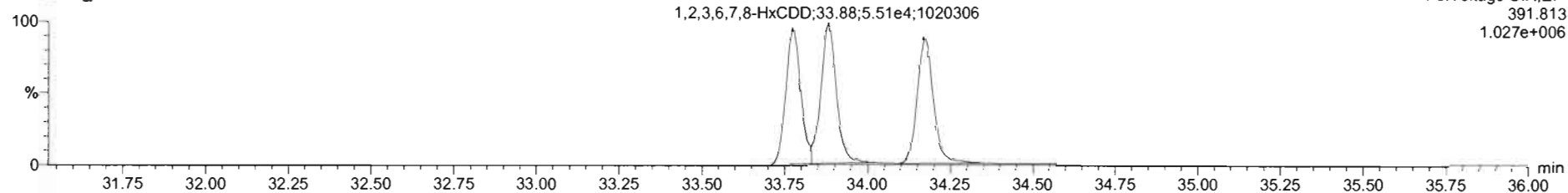
1,2,3,4,7,8-HxCDD

200309D1_4



F3: Voltage SIR, EI+
389.816
1.242e+006

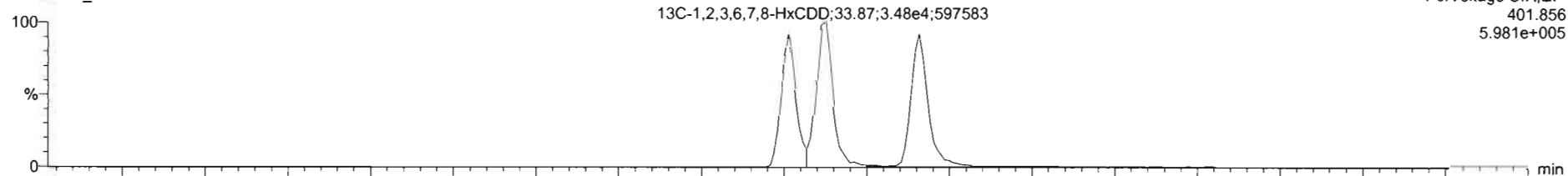
200309D1_4



F3: Voltage SIR, EI+
391.813
1.027e+006

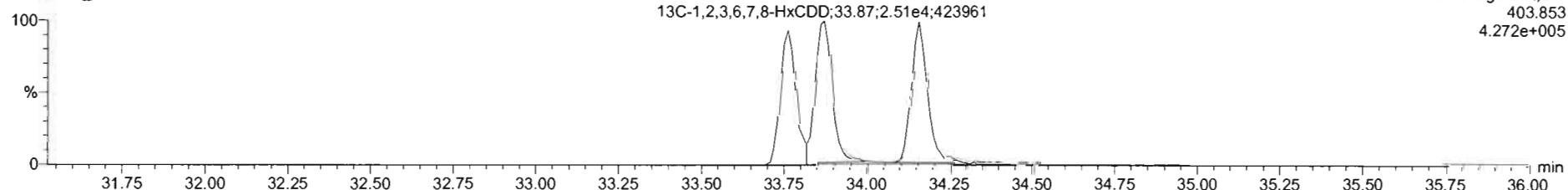
13C-1,2,3,4,7,8-HxCDD

200309D1_4



F3: Voltage SIR, EI+
401.856
5.981e+005

200309D1_4



F3: Voltage SIR, EI+
403.853
4.272e+005

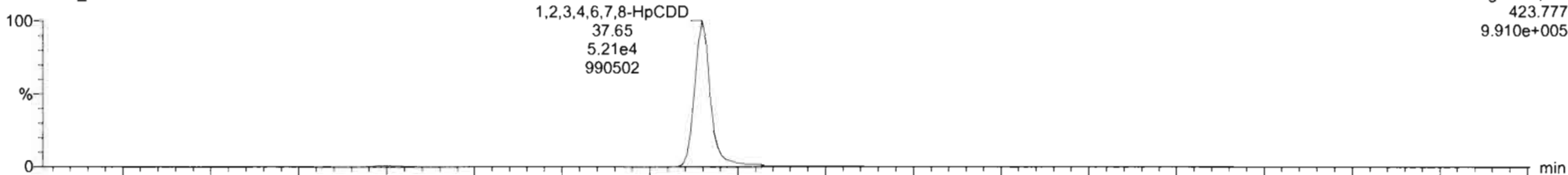
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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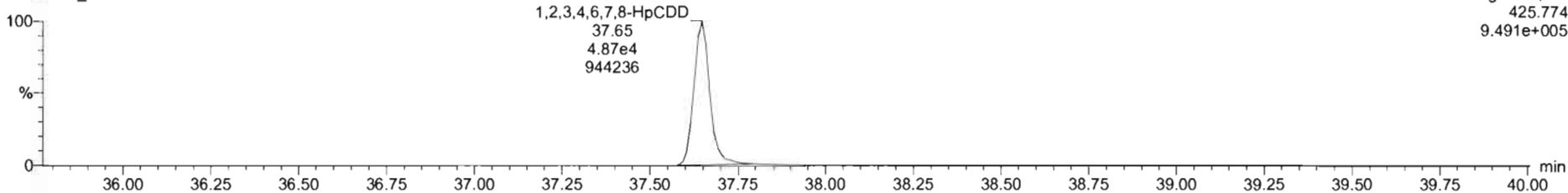
1,2,3,4,6,7,8-HpCDD

200309D1_4



F4:Voltage SIR,EI+
423.777
9.910e+005

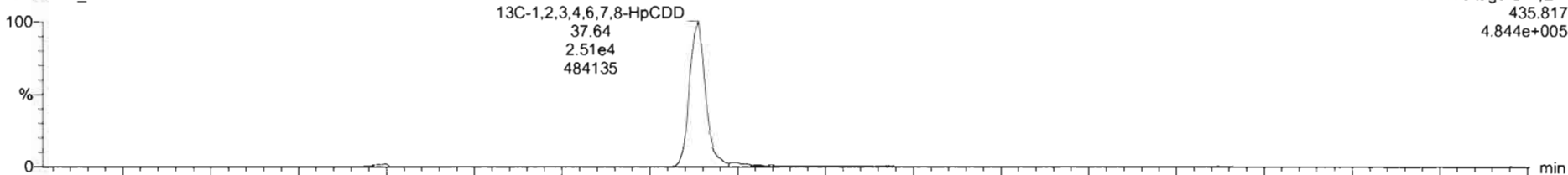
200309D1_4



F4:Voltage SIR,EI+
425.774
9.491e+005

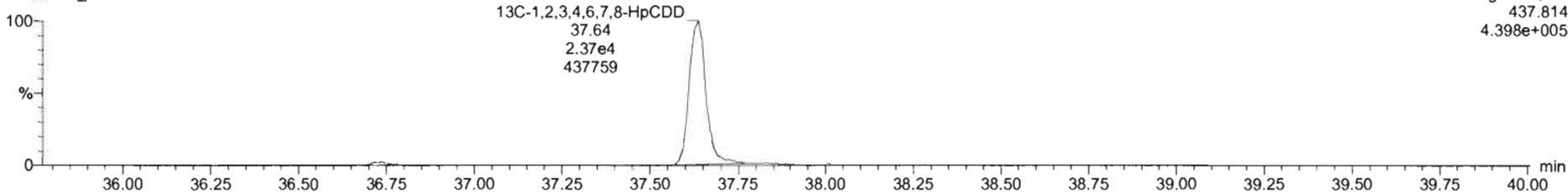
13C-1,2,3,4,6,7,8-HpCDD

200309D1_4



F4:Voltage SIR,EI+
435.817
4.844e+005

200309D1_4

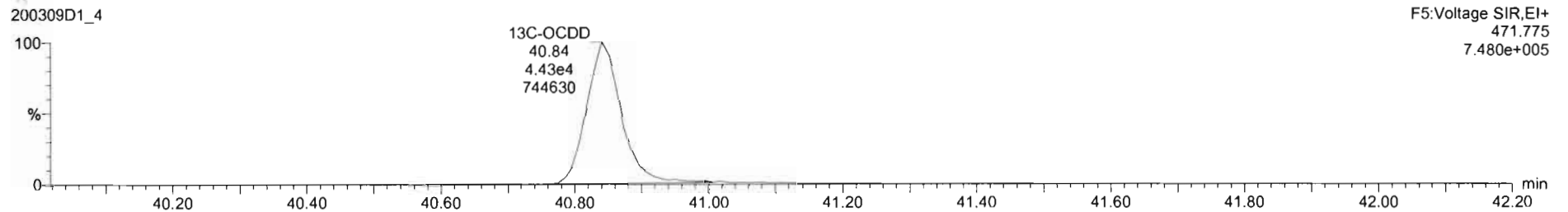
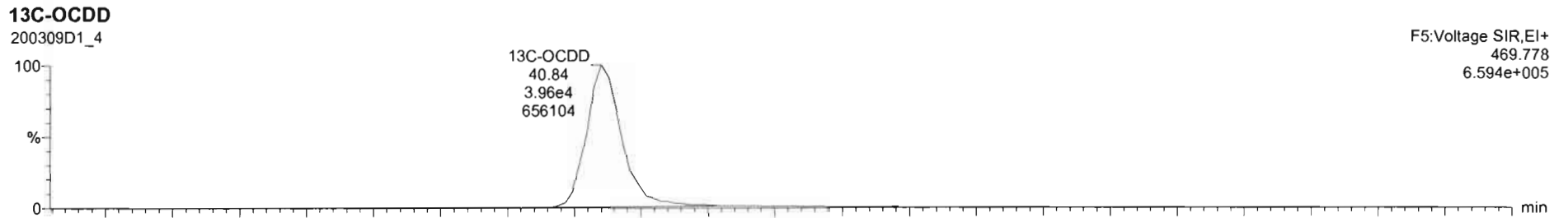
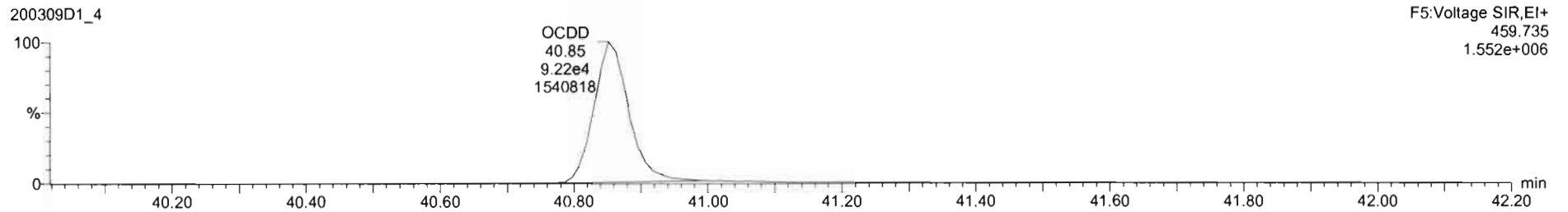
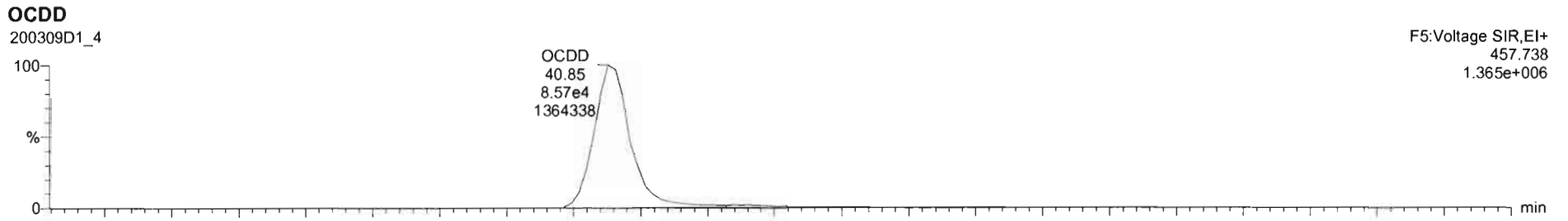


F4:Voltage SIR,EI+
437.814
4.398e+005

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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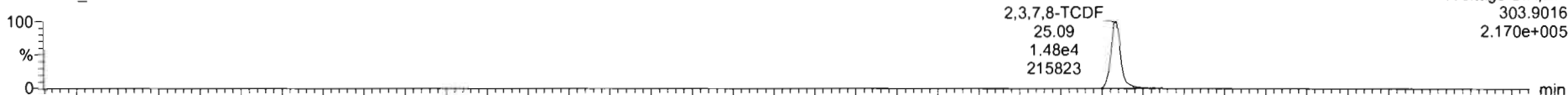
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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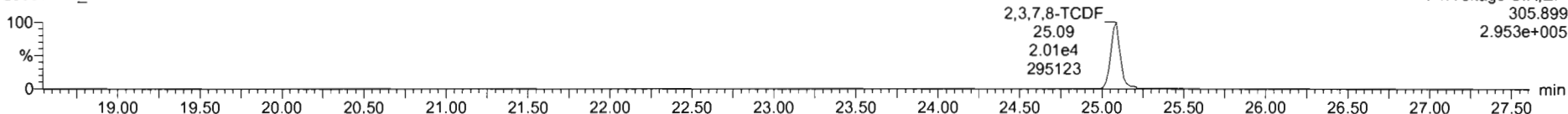
2,3,7,8-TCDF

200309D1_4



F1:Voltage SIR,EI+
303.9016
2.170e+005

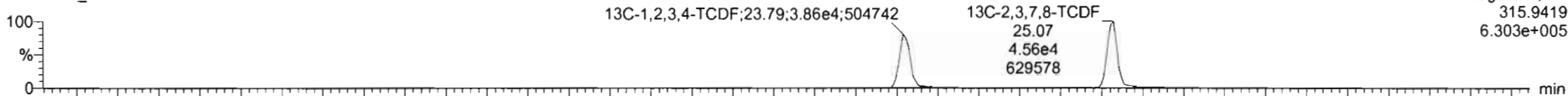
200309D1_4



F1:Voltage SIR,EI+
305.899
2.953e+005

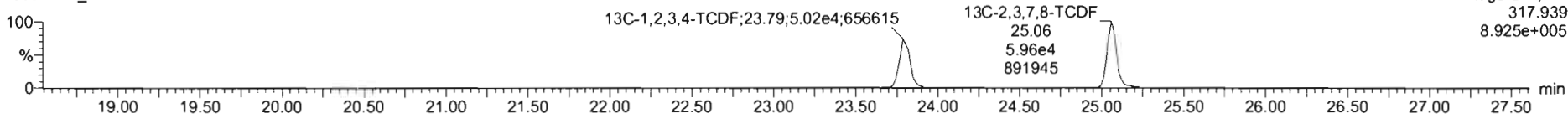
13C-2,3,7,8-TCDF

200309D1_4



F1:Voltage SIR,EI+
315.9419
6.303e+005

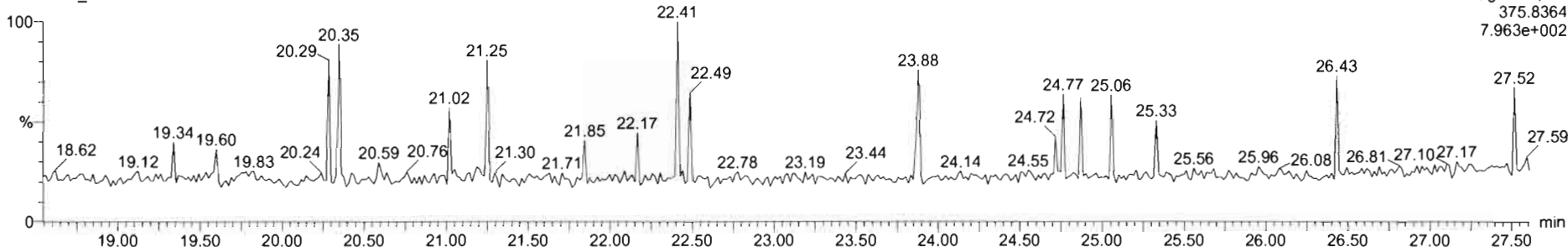
200309D1_4



F1:Voltage SIR,EI+
317.939
8.925e+005

DPE1

200309D1_4



F1:Voltage SIR,EI+
375.8364
7.963e+002

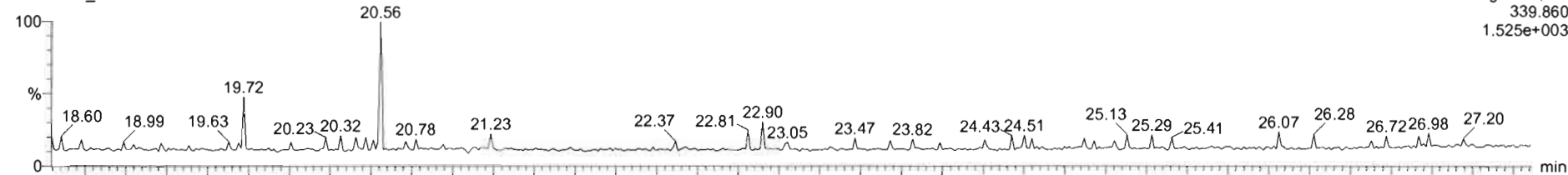
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

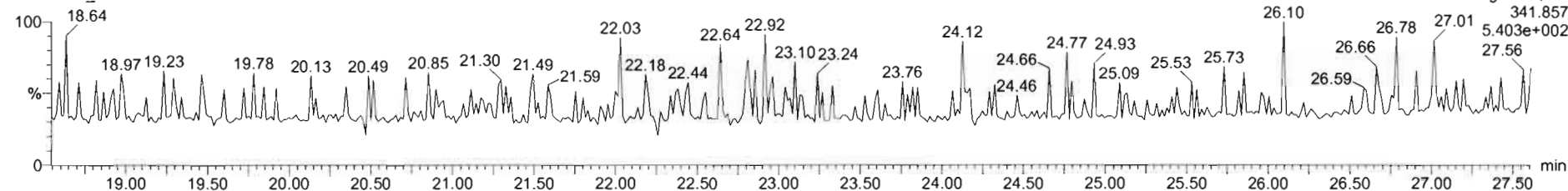
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1st Func. Penta-Furans

200309D1_4

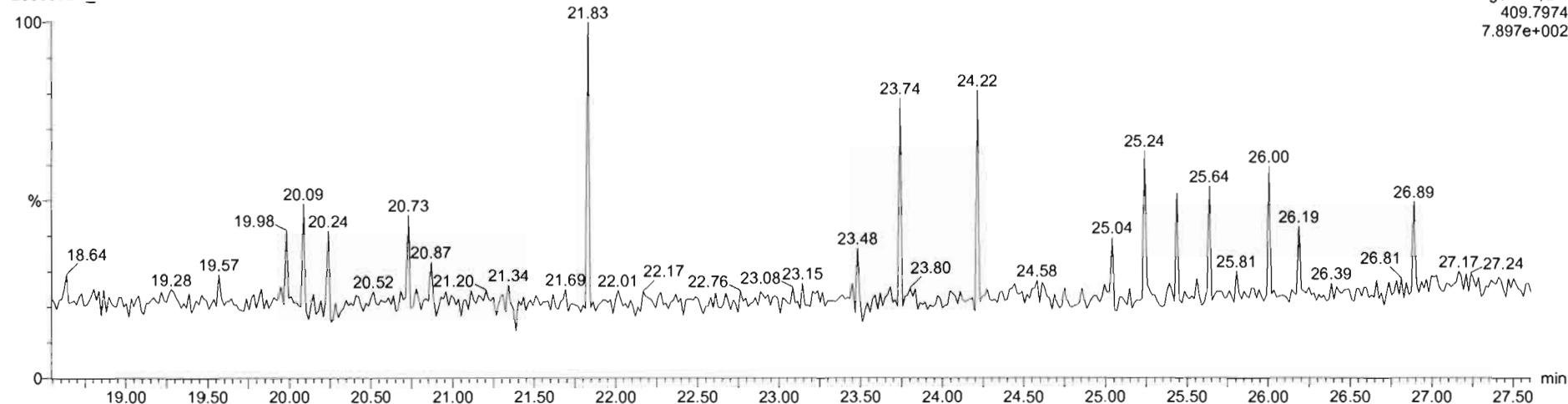


200309D1_4



DPE6

200309D1_4



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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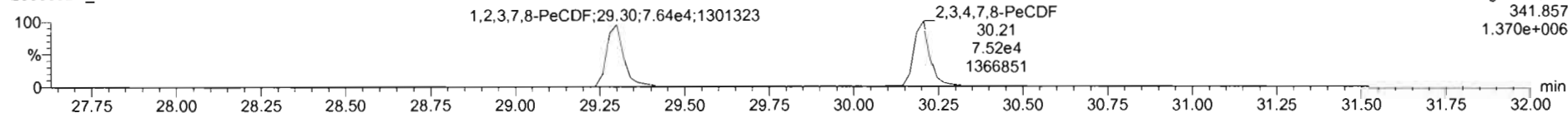
1,2,3,7,8-PeCDF

200309D1_4



F2:Voltage SIR,EI+
339.860
2.268e+006

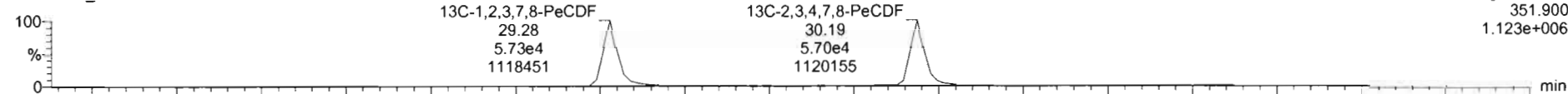
200309D1_4



F2:Voltage SIR,EI+
341.857
1.370e+006

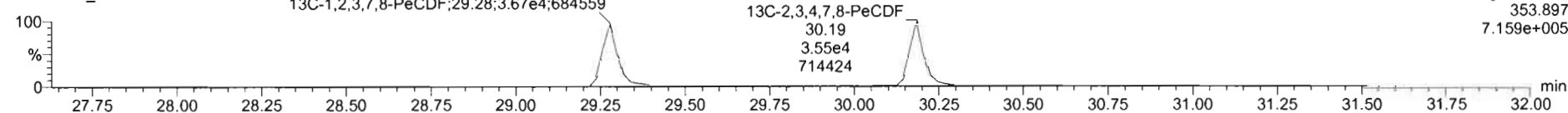
13C-1,2,3,7,8-PeCDF

200309D1_4



F2:Voltage SIR,EI+
351.900
1.123e+006

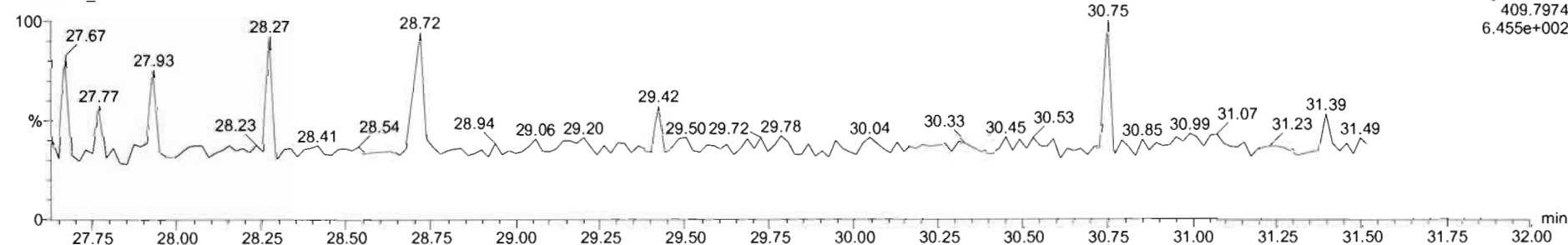
200309D1_4



F2:Voltage SIR,EI+
353.897
7.159e+005

DE2

200309D1_4



F2:Voltage SIR,EI+
409.7974
6.455e+002

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

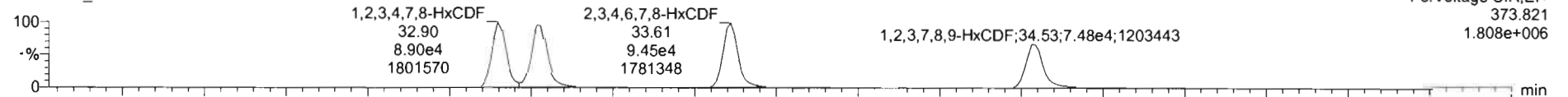
Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time

Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

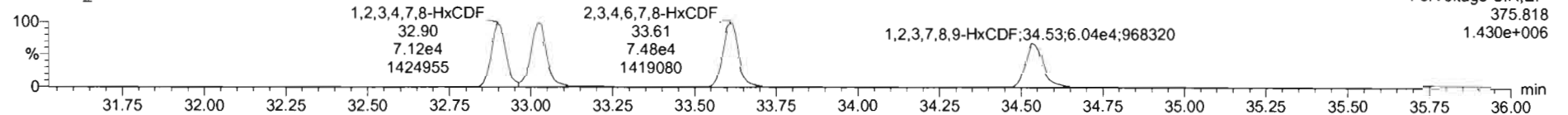
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1,2,3,4,7,8-HxCDF

200309D1_4

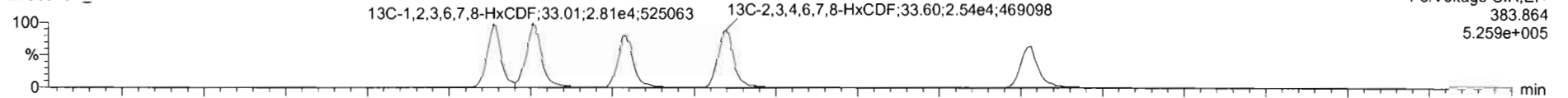


200309D1_4

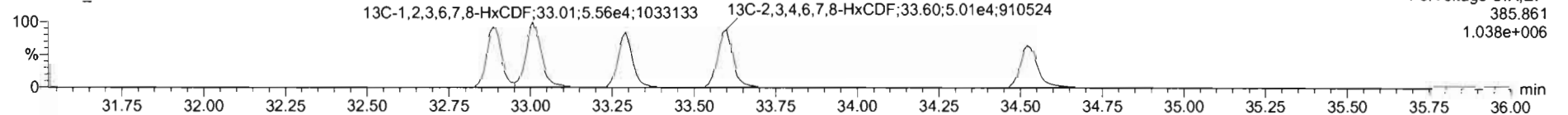


13C-1,2,3,4,7,8-HxCDF

200309D1_4

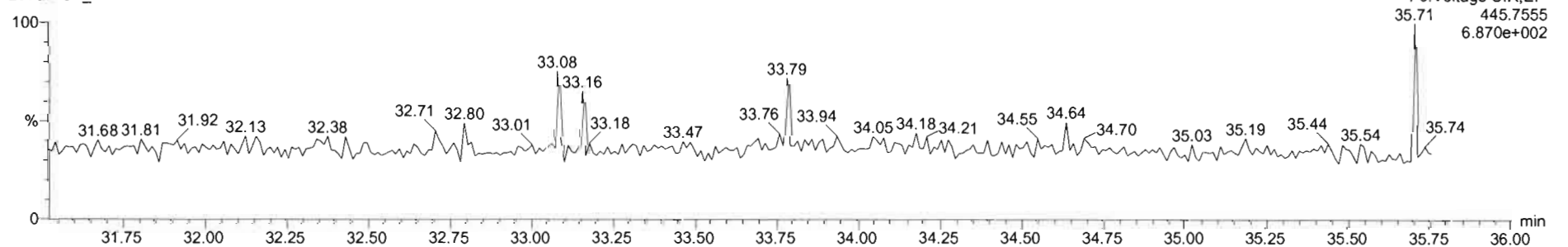


200309D1_4



DPE3

200309D1_4

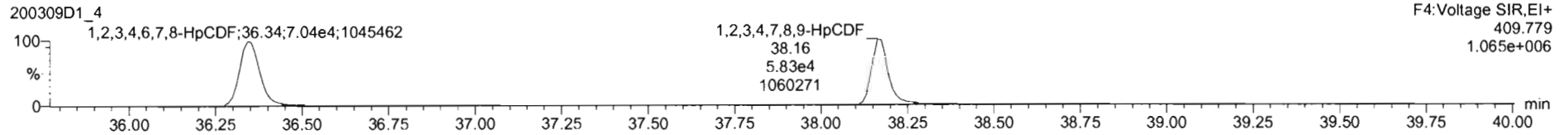
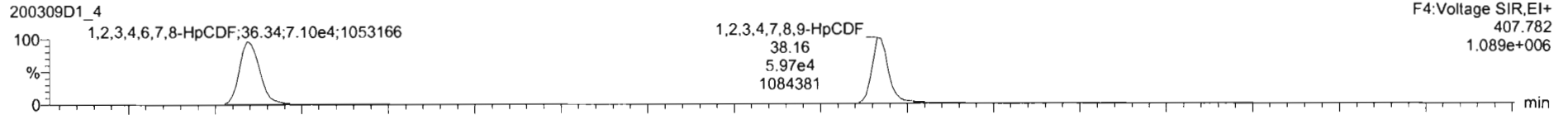


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

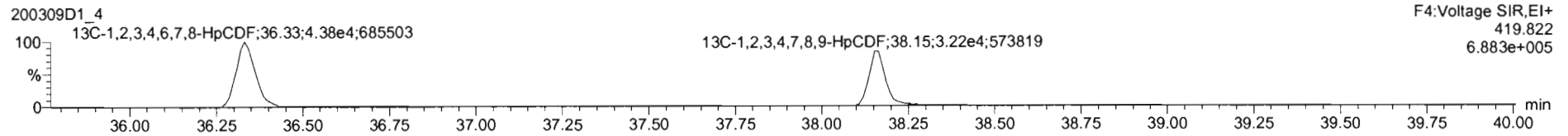
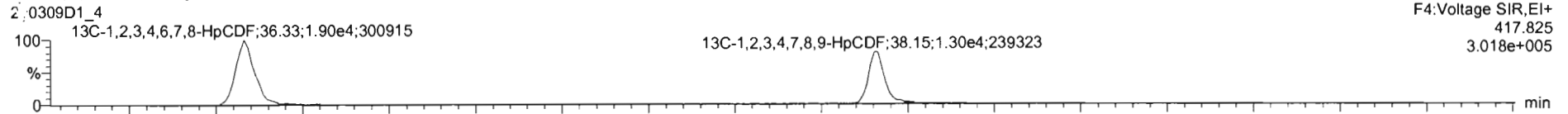
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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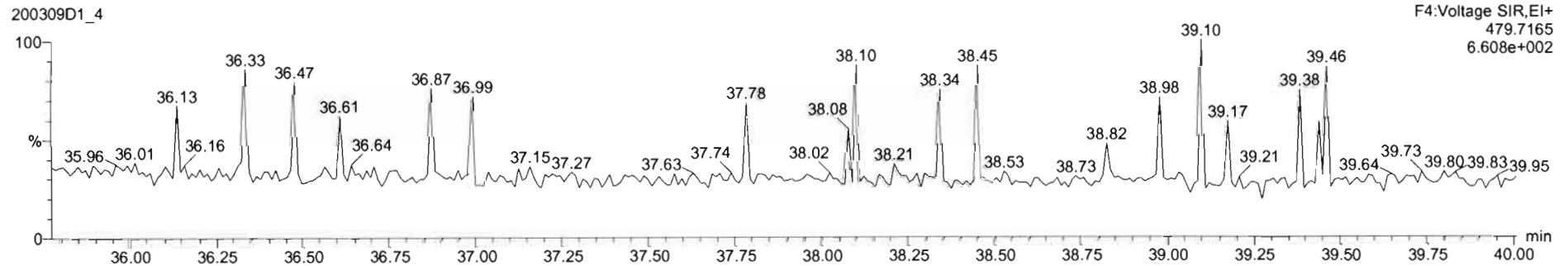
1,2,3,4,6,7,8-HpCDF



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



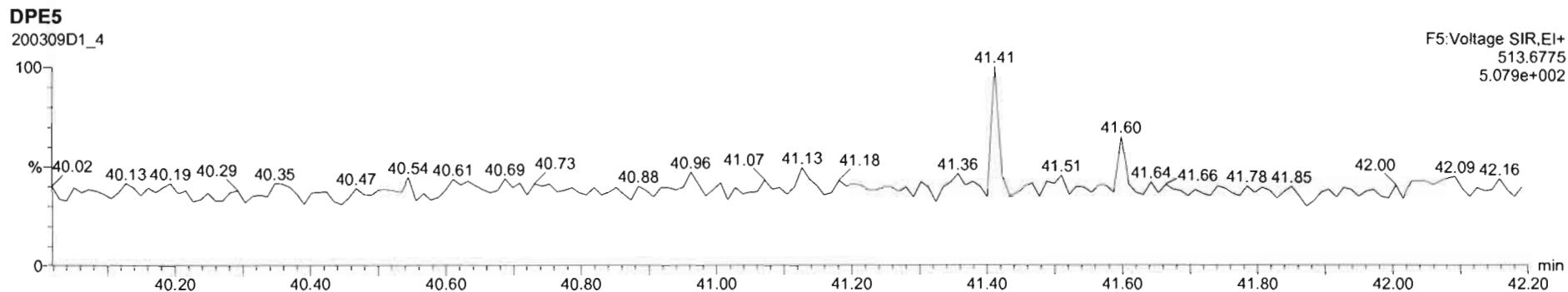
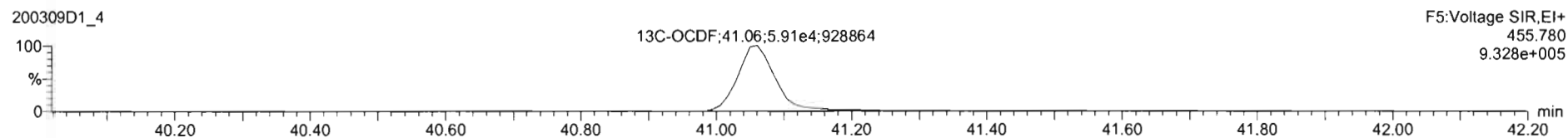
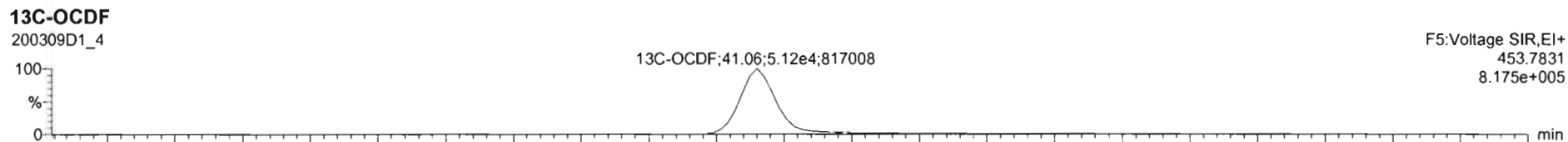
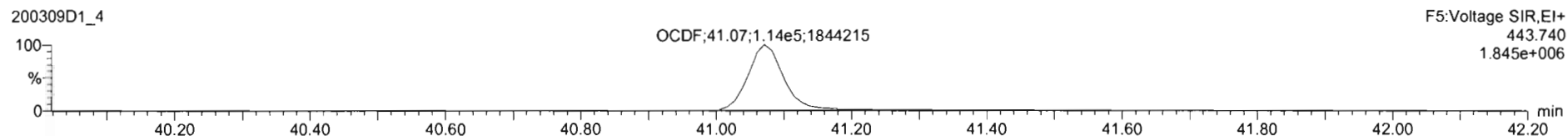
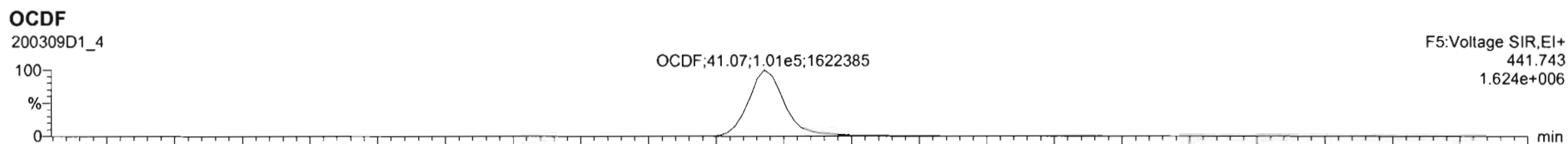
DPE4



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

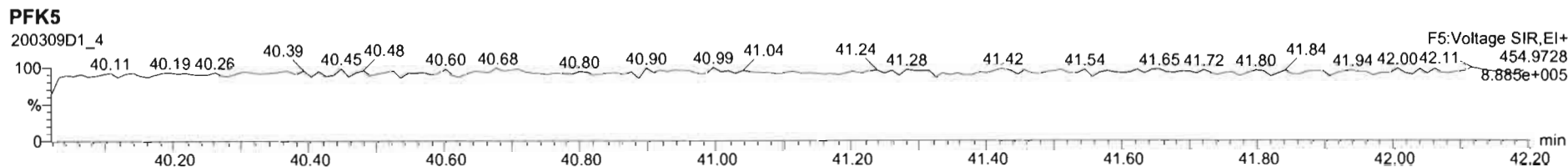
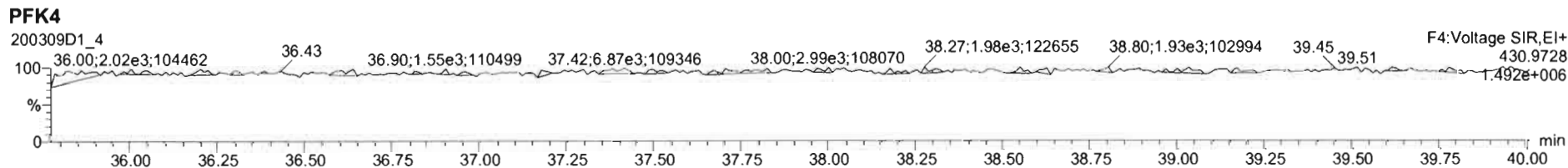
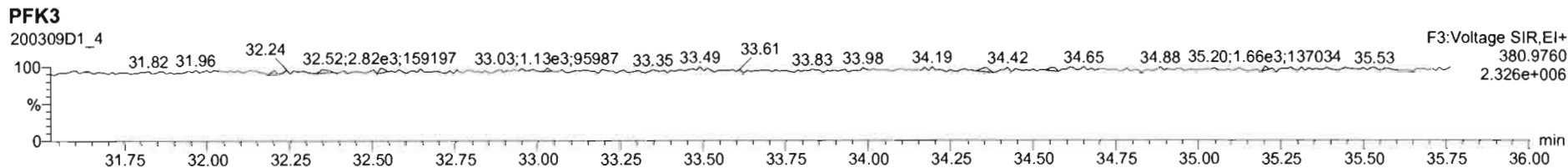
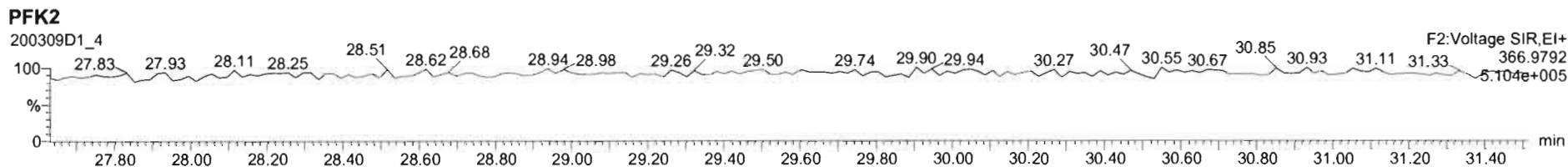
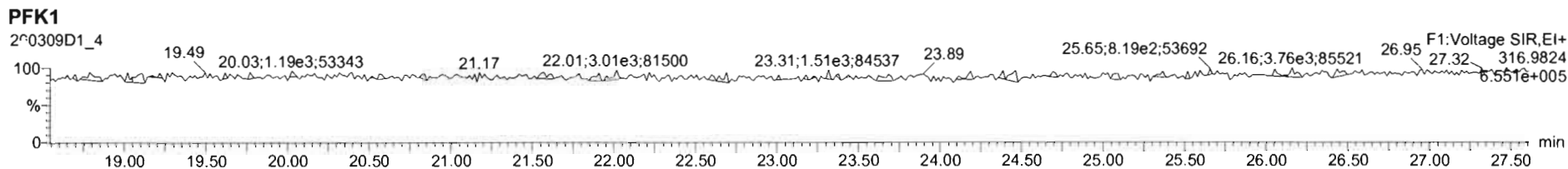
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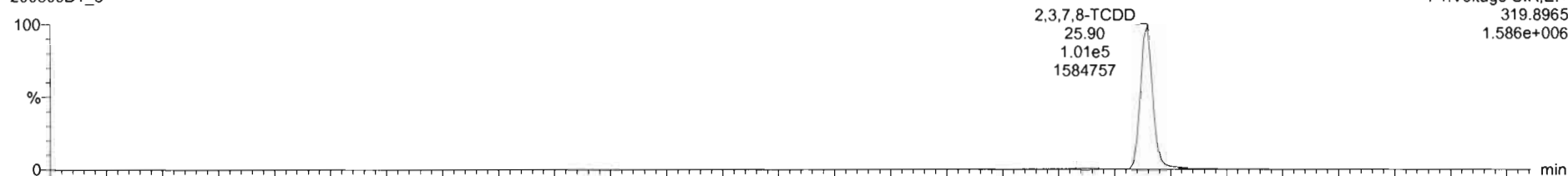
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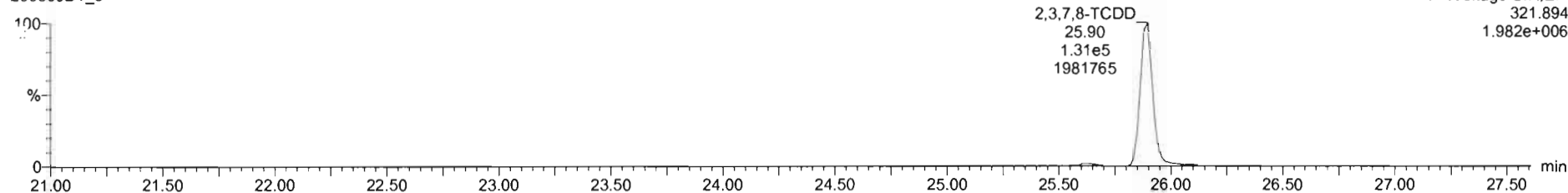
Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

2,3,7,8-TCDD

200309D1_5

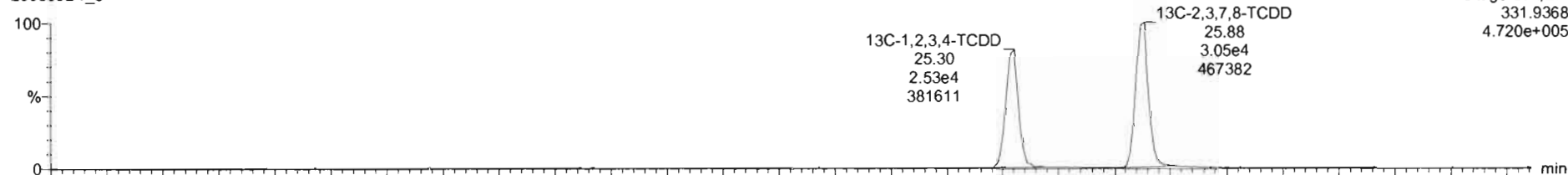


200309D1_5

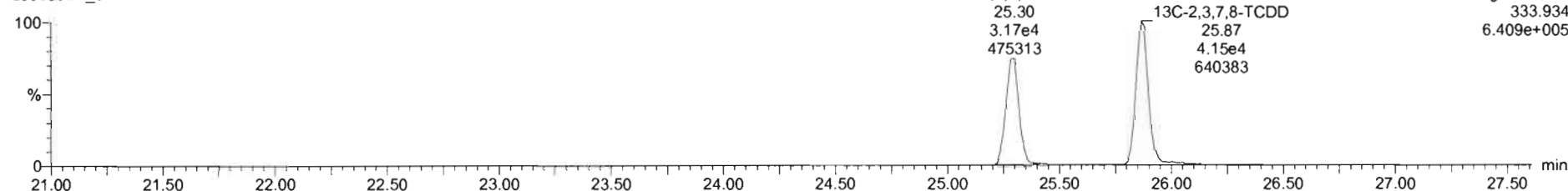


13C-2,3,7,8-TCDD

200309D1_5



200309D1_5



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

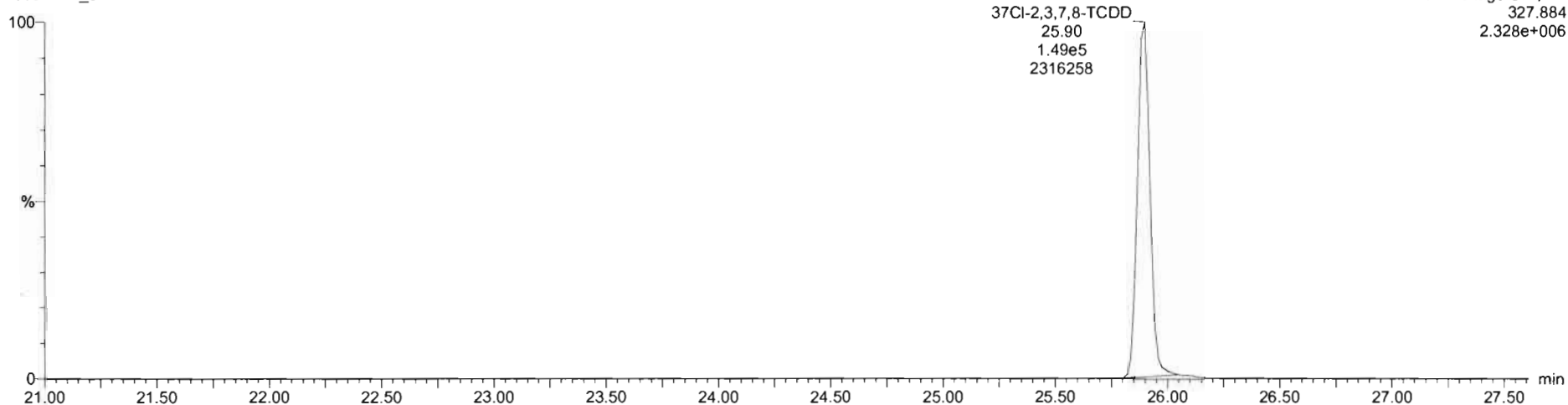
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Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

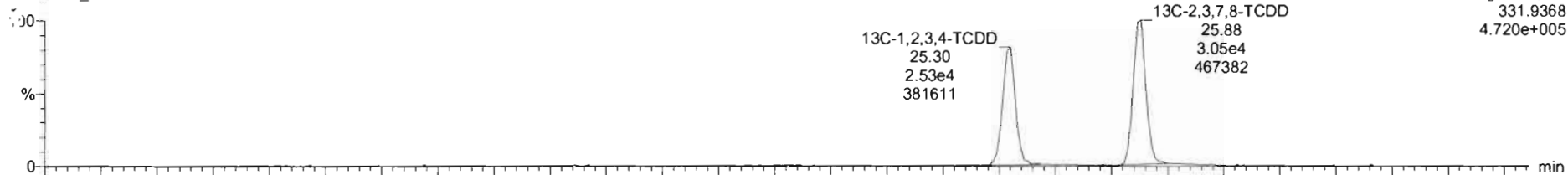
37Cl-2,3,7,8-TCDD

200309D1_5

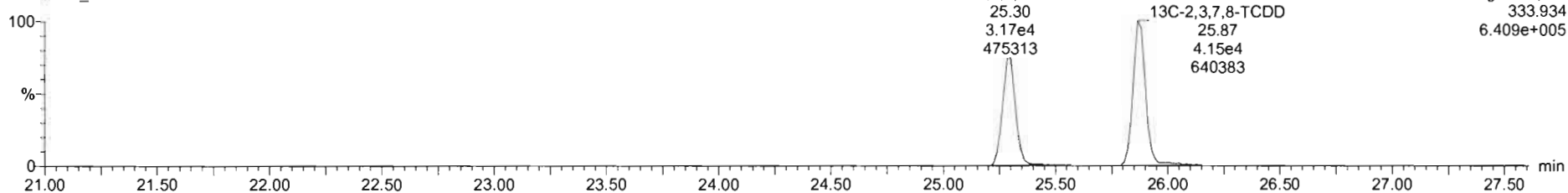


13C-1,2,3,4-TCDD

200309D1_5



200309D1_5



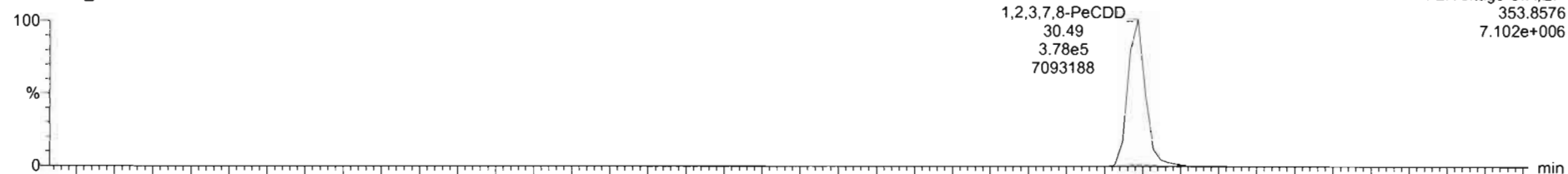
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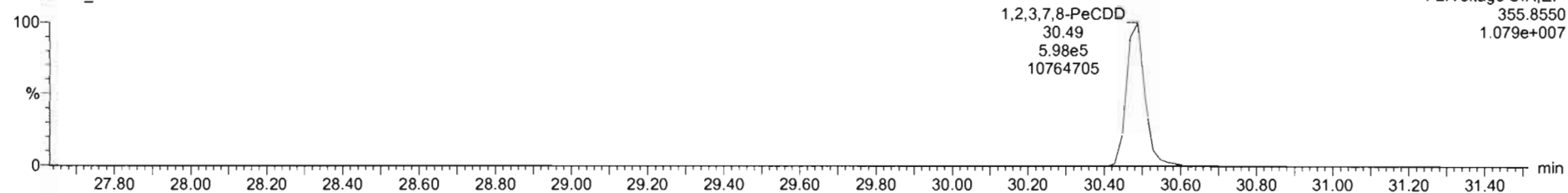
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1,2,3,7,8-PeCDD

200309D1_5

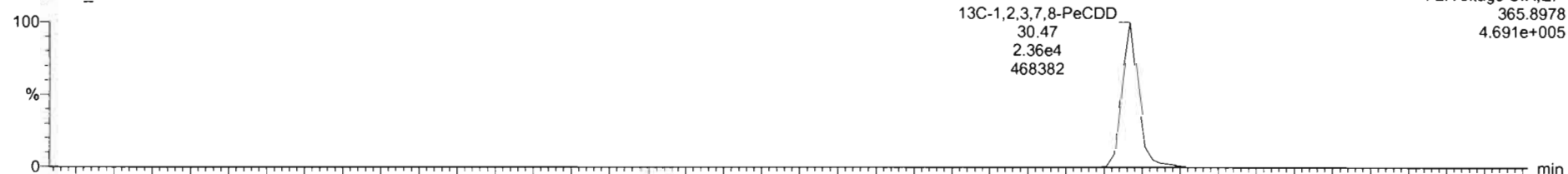


200309D1_5

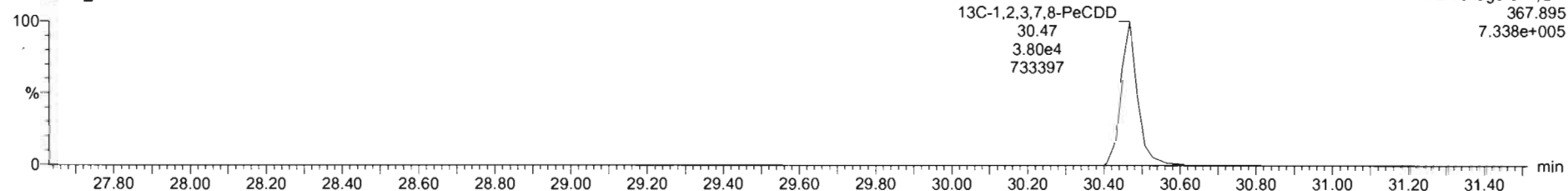


13C-1,2,3,7,8-PeCDD

200309D1_5



200309D1_5



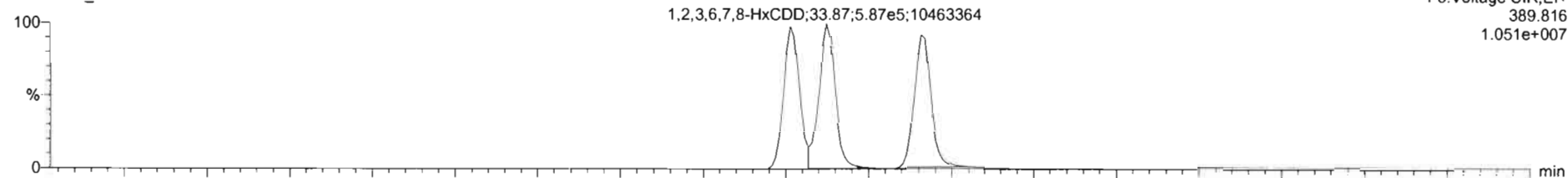
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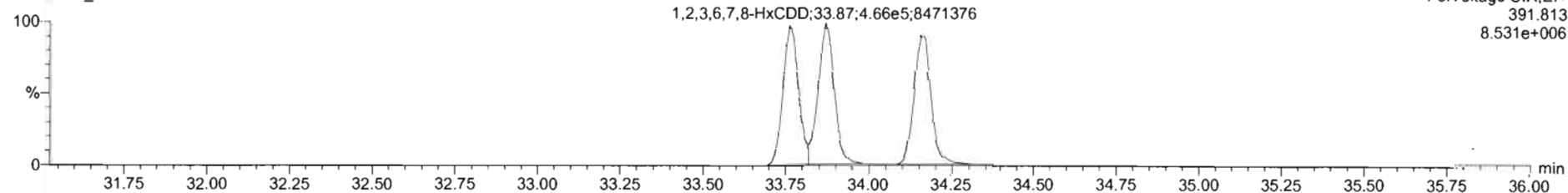
Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

1,2,3,4,7,8-HxCDD

200309D1_5

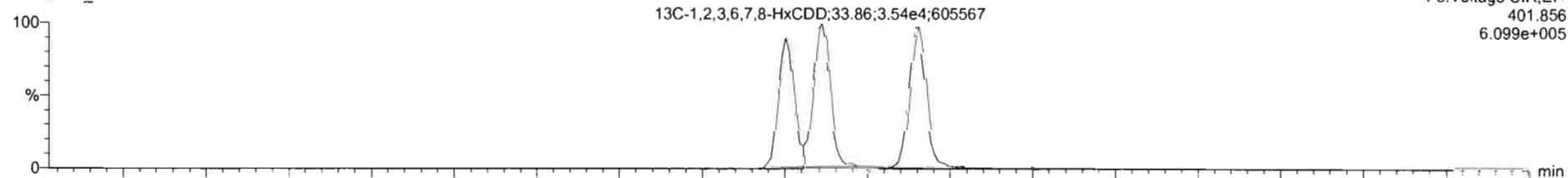


200309D1_5

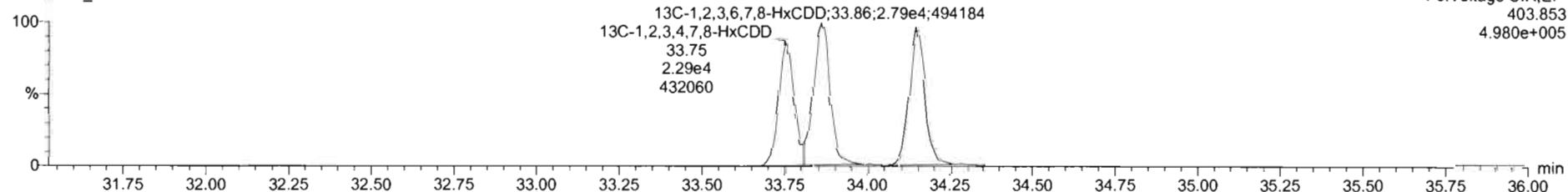


13C-1,2,3,4,7,8-HxCDD

200309D1_5



200309D1_5



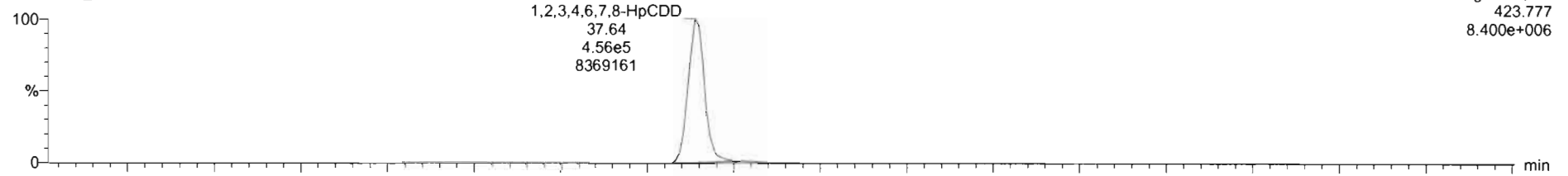
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
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Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

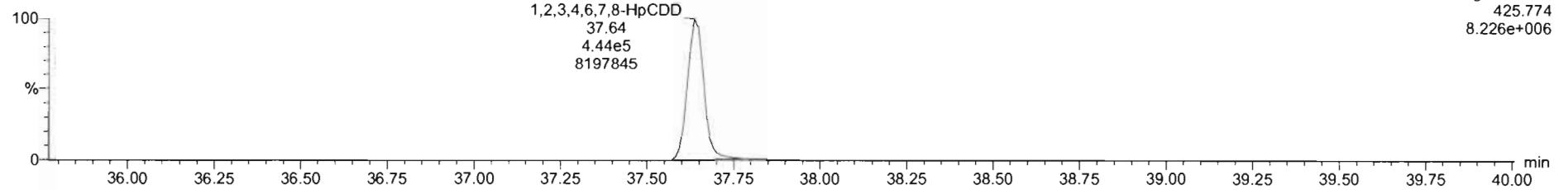
1,2,3,4,6,7,8-HpCDD

200309D1_5



F4:Voltage SIR,EI+
423.777
8.400e+006

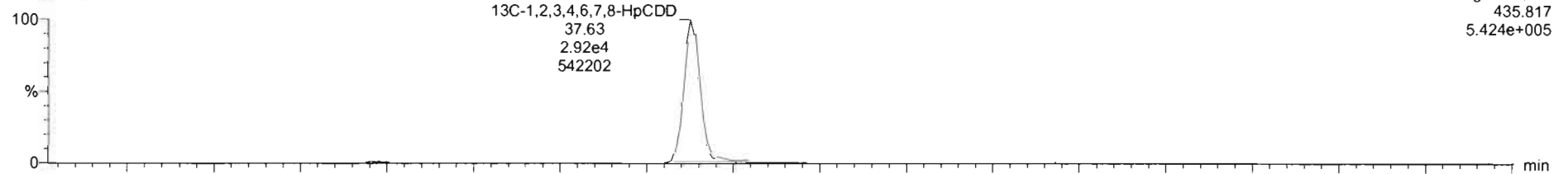
200309D1_5



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8.226e+006

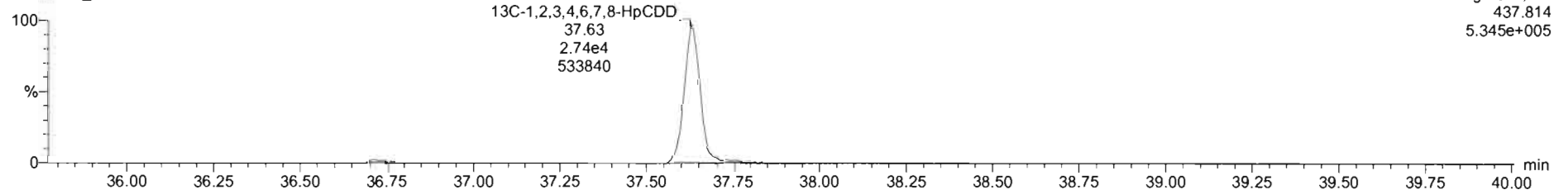
13C-1,2,3,4,6,7,8-HpCDD

200309D1_5



F4:Voltage SIR,EI+
435.817
5.424e+005

200309D1_5

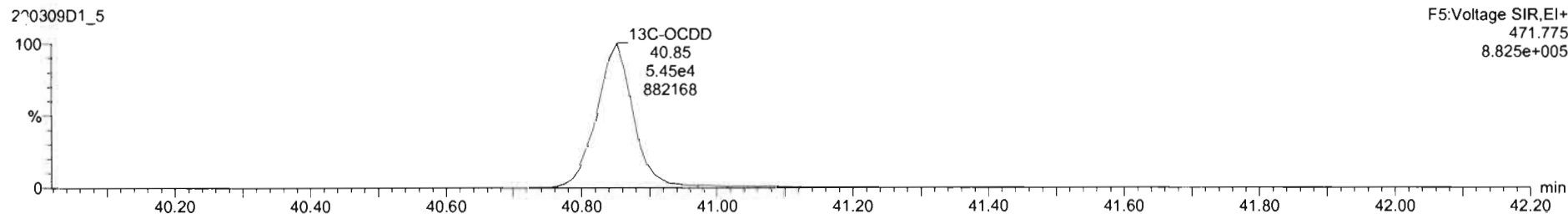
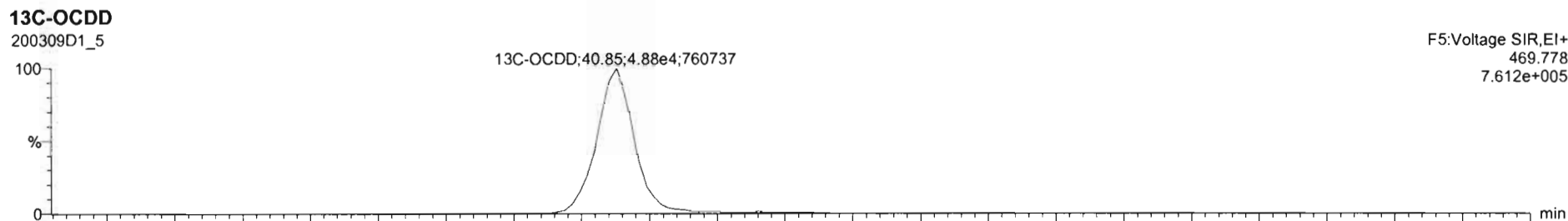
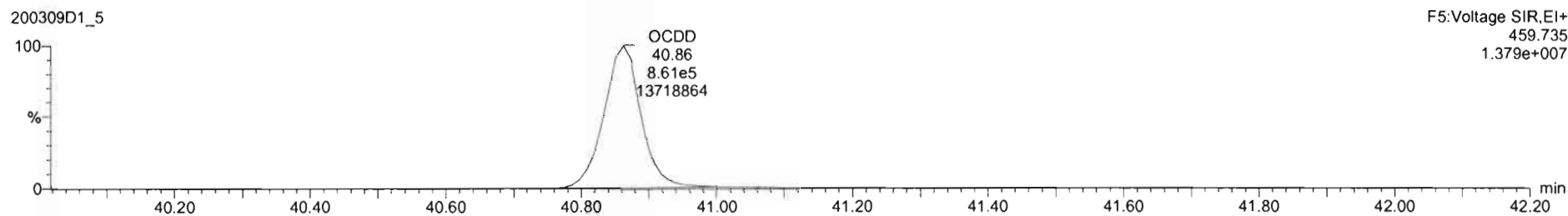
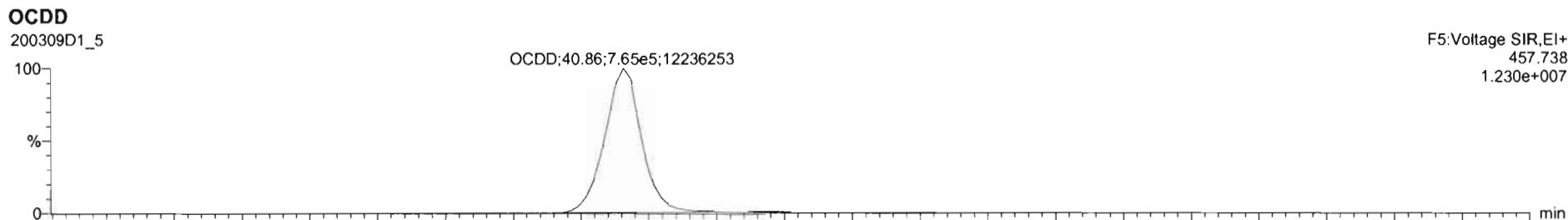


F4:Voltage SIR,EI+
437.814
5.345e+005

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

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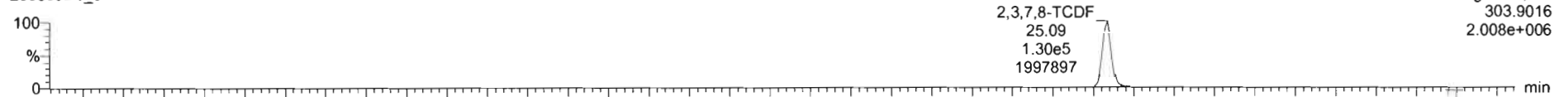
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
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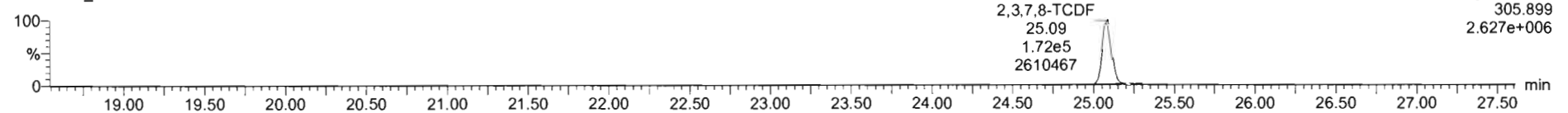
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2,3,7,8-TCDF

200309D1_5

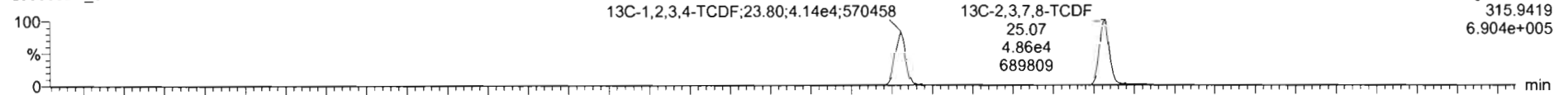


200309D1_5

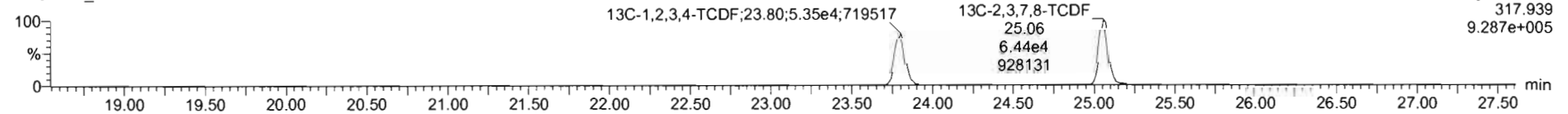


13C-2,3,7,8-TCDF

200309D1_5

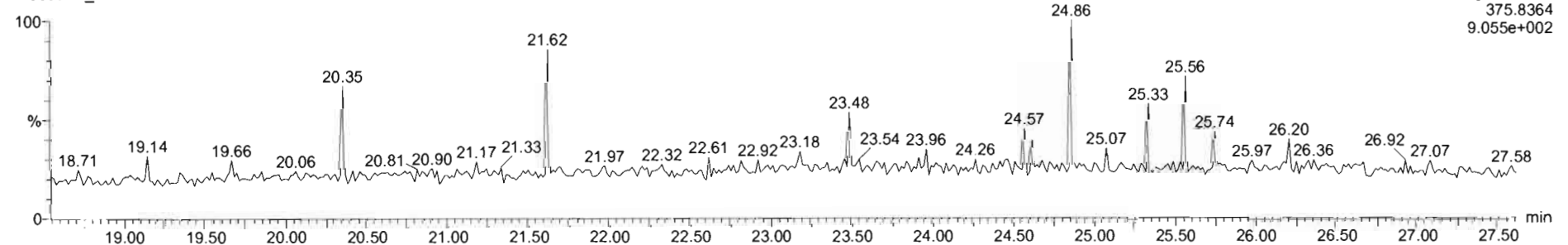


200309D1_5



DPE1

200309D1_5



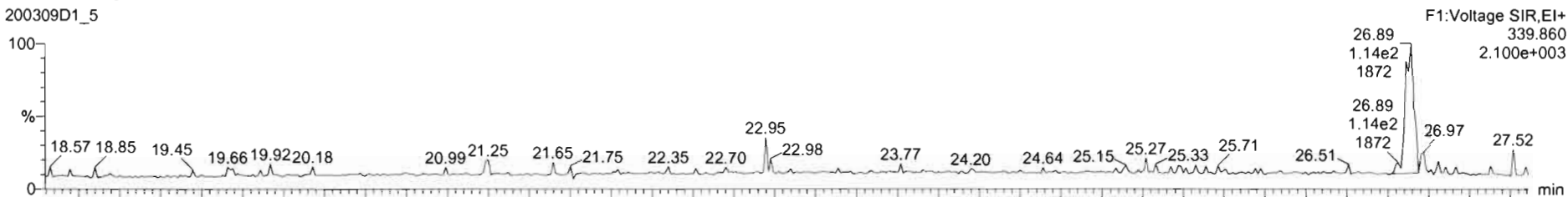
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
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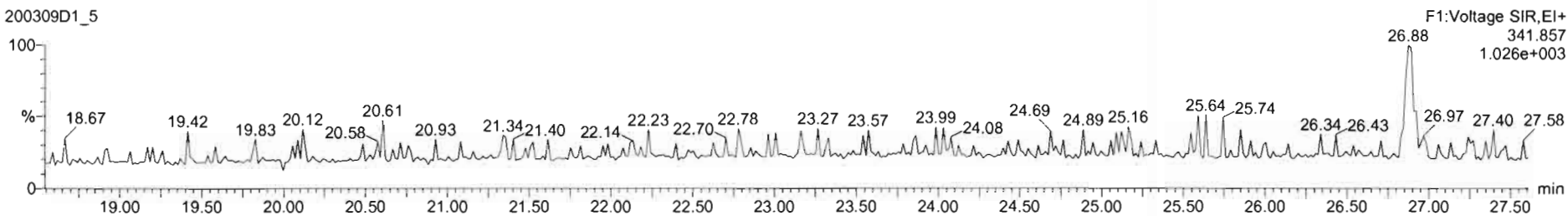
Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

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200309D1_5

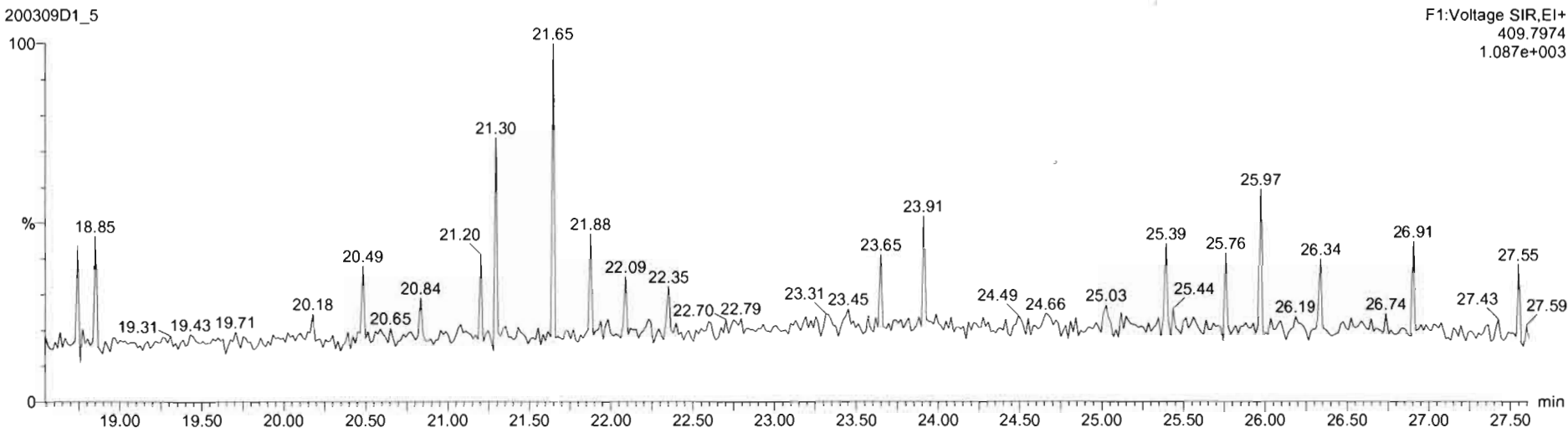


200309D1_5



DPE6

200309D1_5



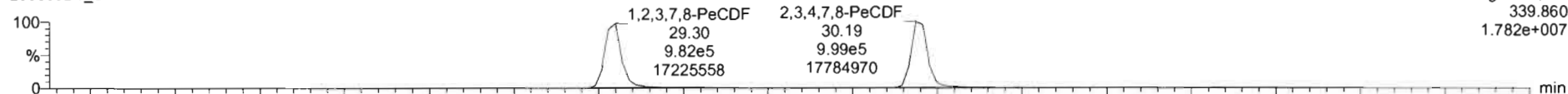
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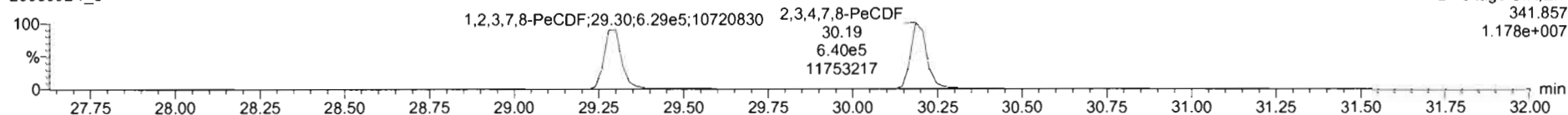
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1,2,3,7,8-PeCDF

200309D1_5

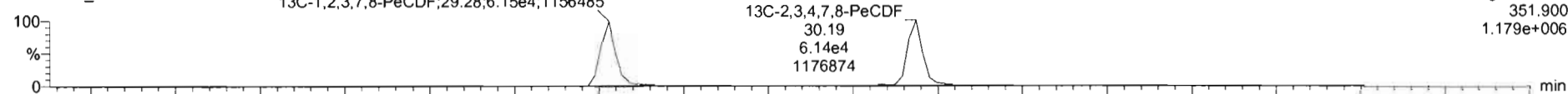


200309D1_5

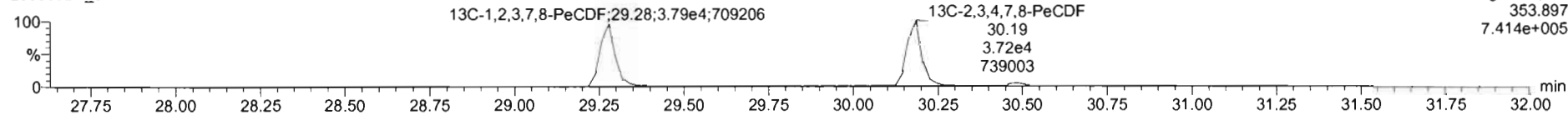


13C-1,2,3,7,8-PeCDF

200309D1_5

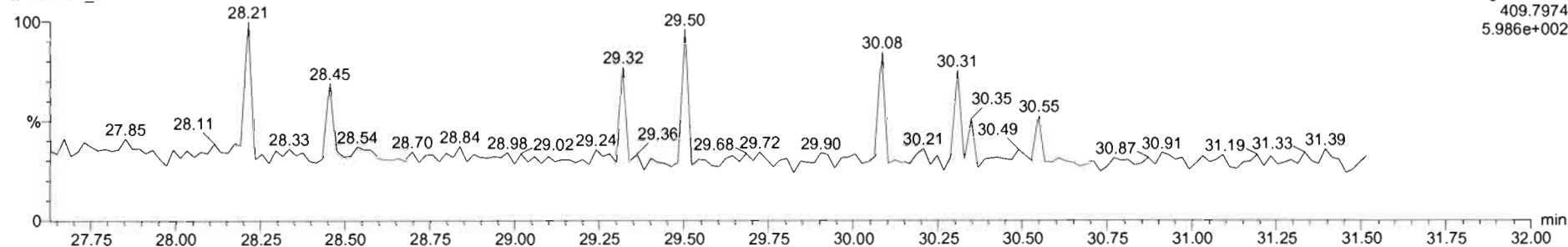


200309D1_5



DPE2

200309D1_5



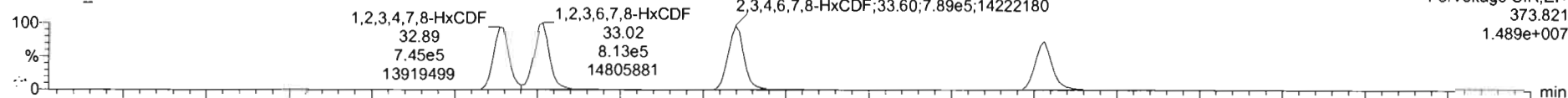
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

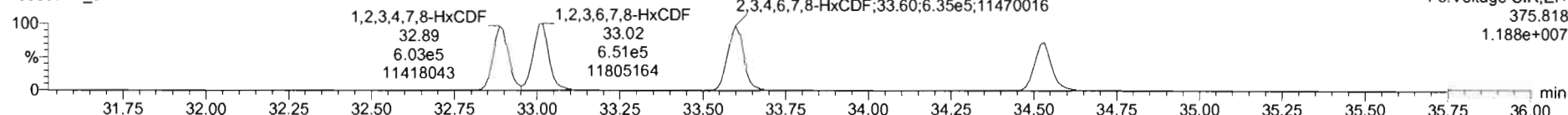
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1,2,3,4,7,8-HxCDF

200309D1_5

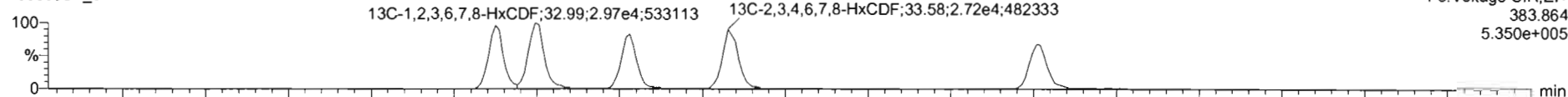


200309D1_5

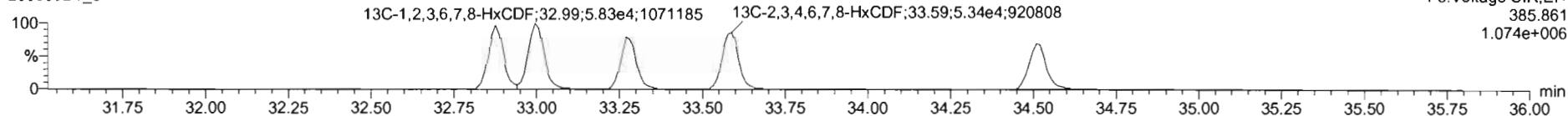


13C-1,2,3,4,7,8-HxCDF

200309D1_5

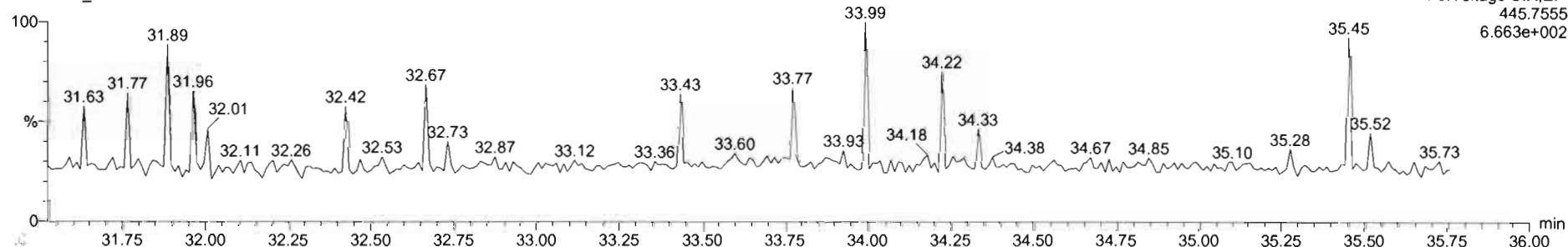


200309D1_5



DPE3

200309D1_5

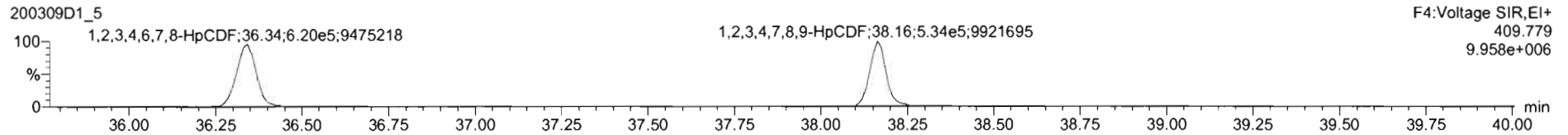
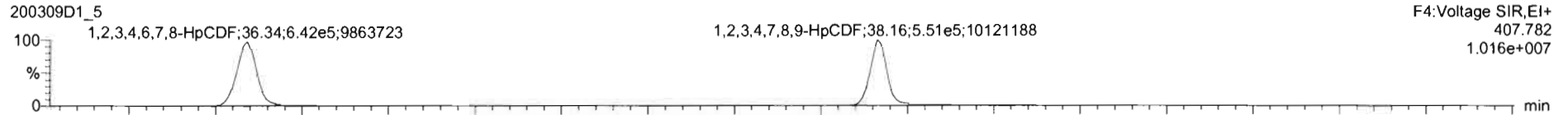


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

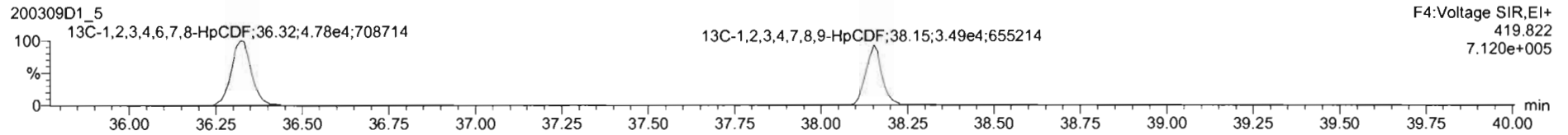
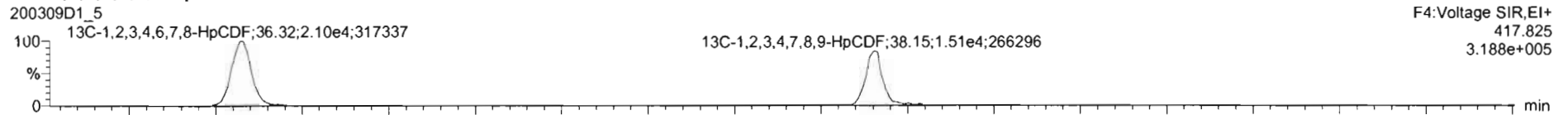
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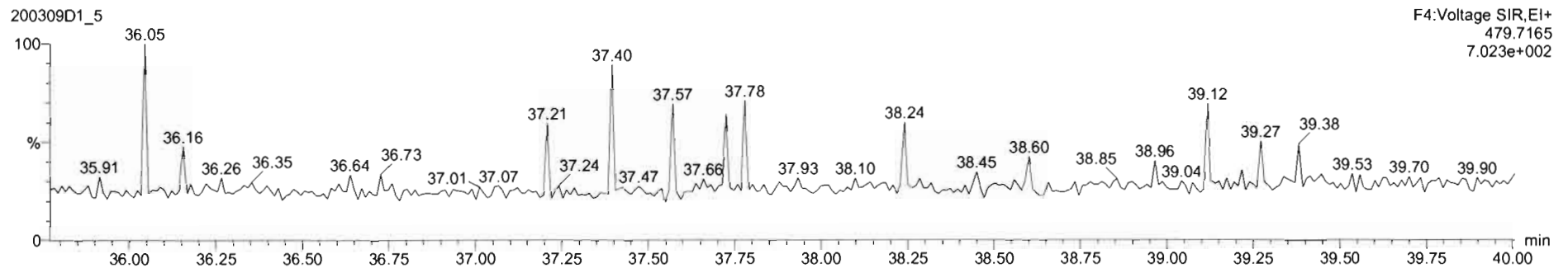
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



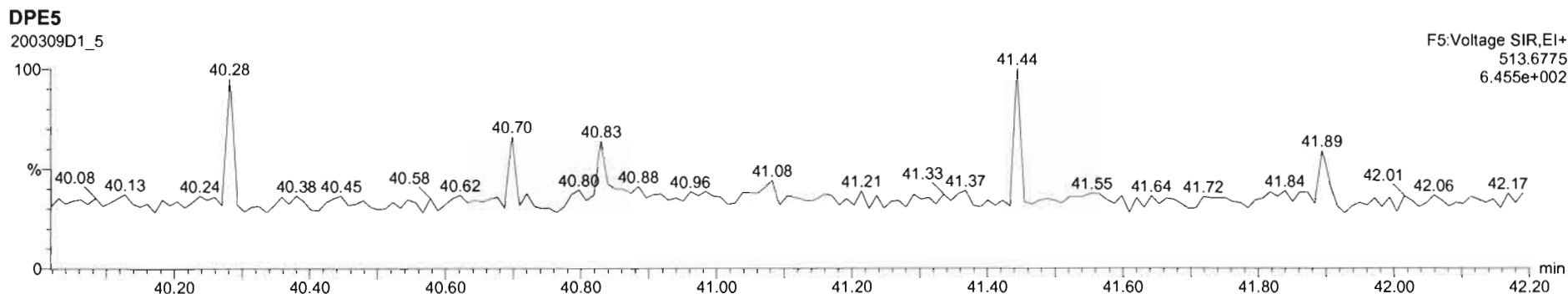
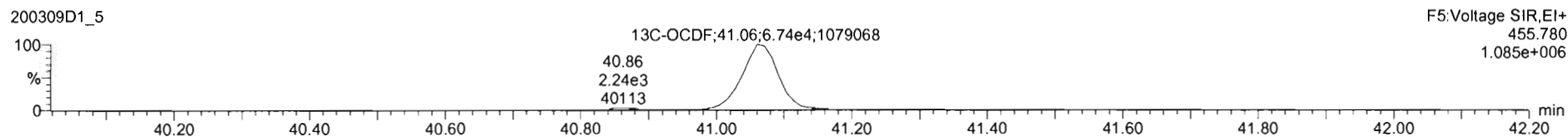
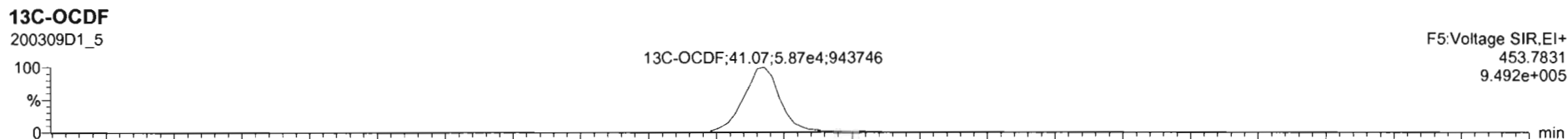
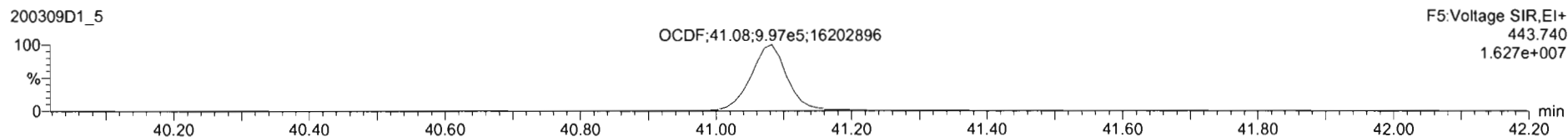
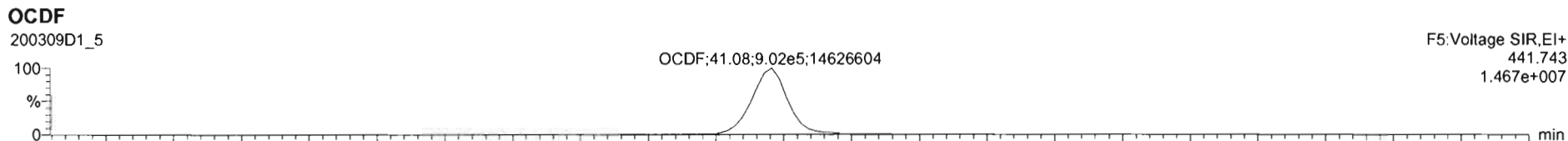
DPE4



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

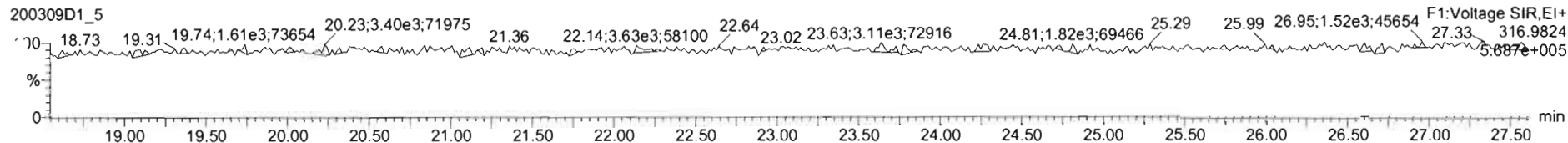


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

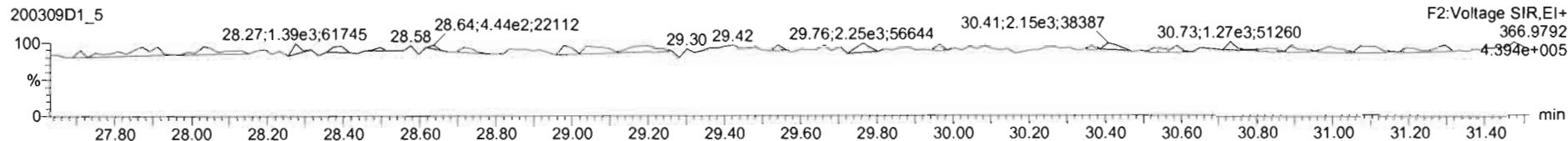
Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_5, Date: 09-Mar-2020, Time: 15:28:28, ID: ST200309D1-5 1613 CS5 19L2307, Description: 1613 CS5 19L2307

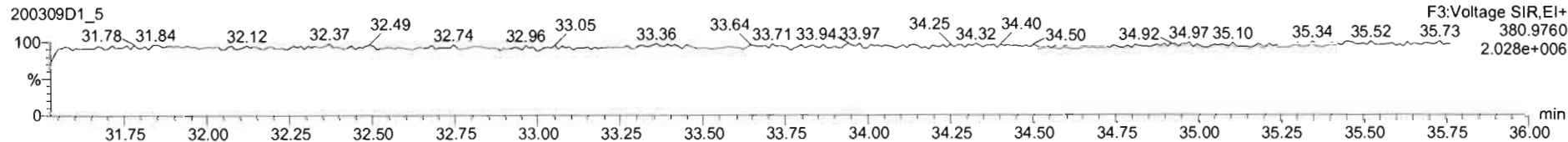
PFK1



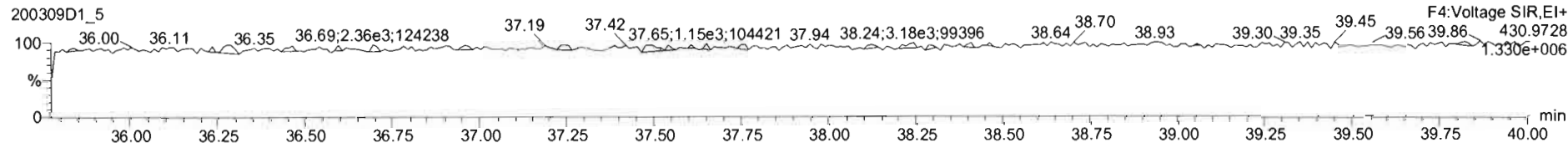
PFK2



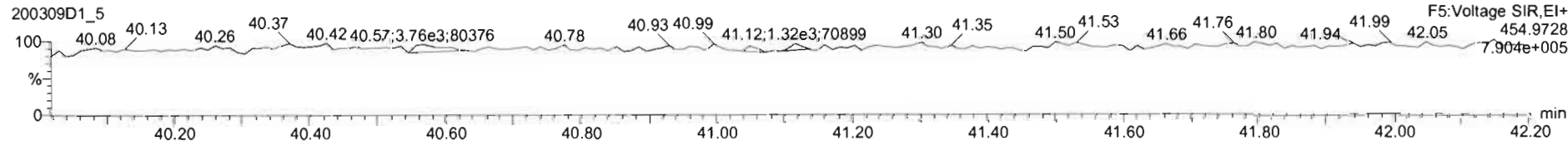
PFK3



PFK4



PFK5



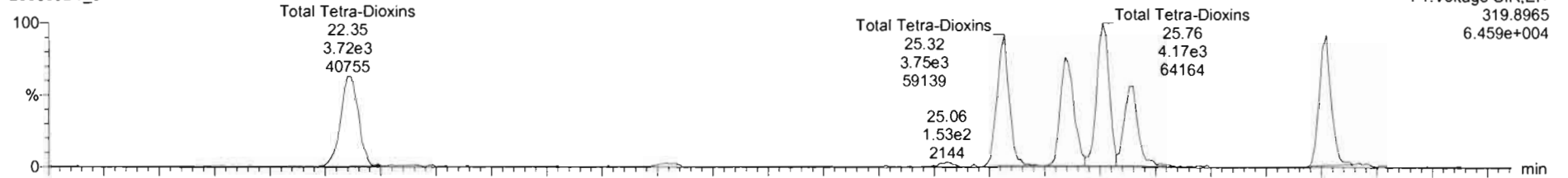
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

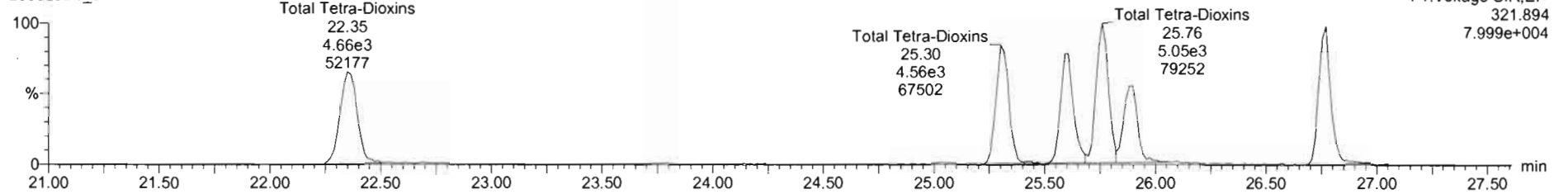
Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDD

200309D1_6

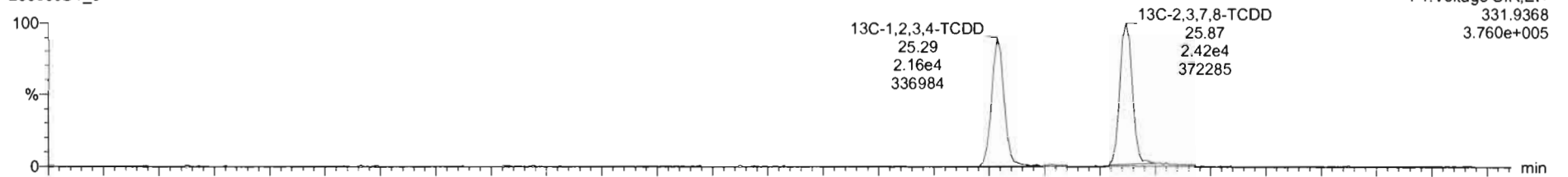


200309D1_6

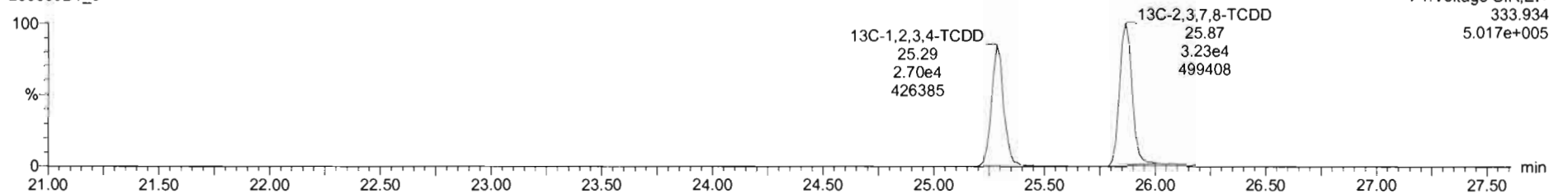


13C-2,3,7,8-TCDD

200309D1_6



200309D1_6



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

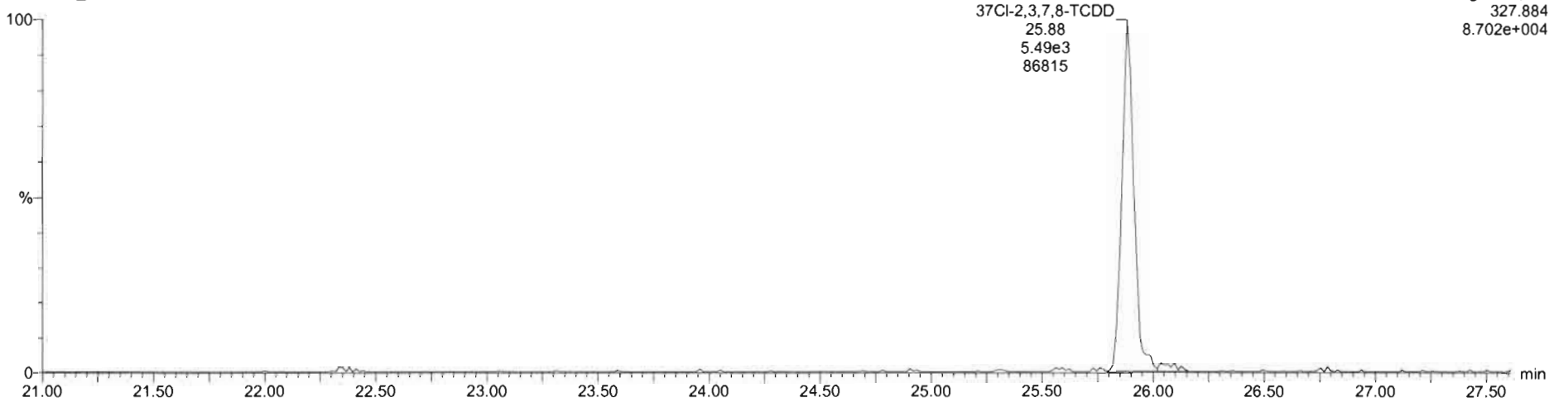
Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time

Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

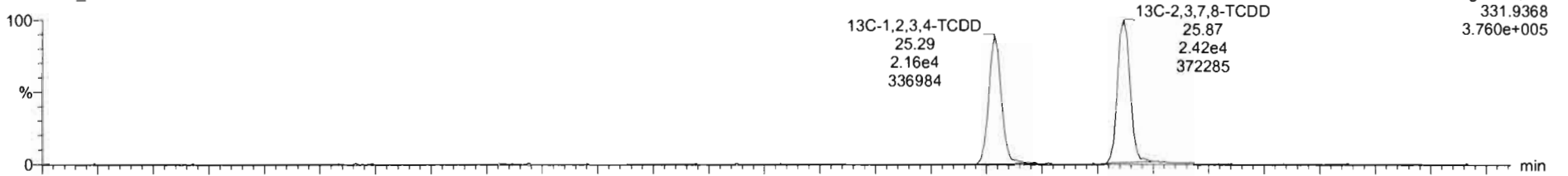
37Cl-2,3,7,8-TCDD

200309D1_6

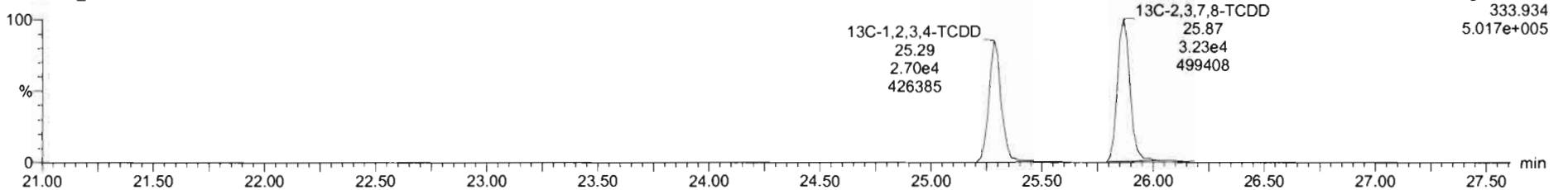


13C-1,2,3,4-TCDD

200309D1_6



200309D1_6

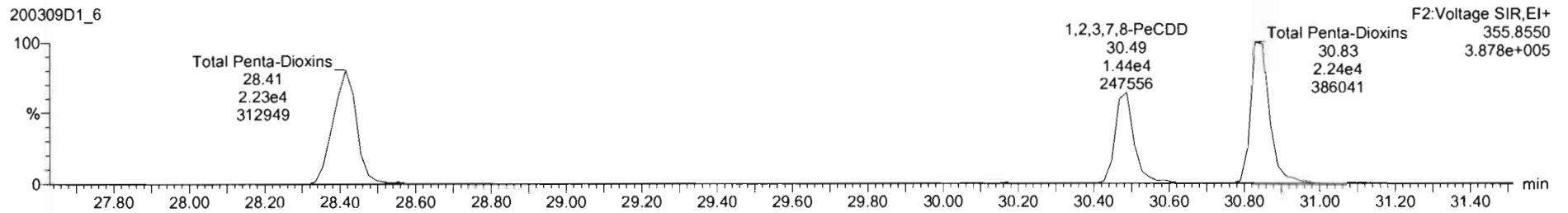
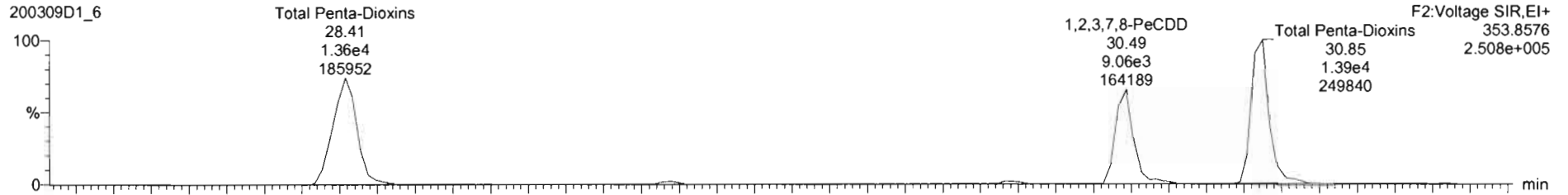


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

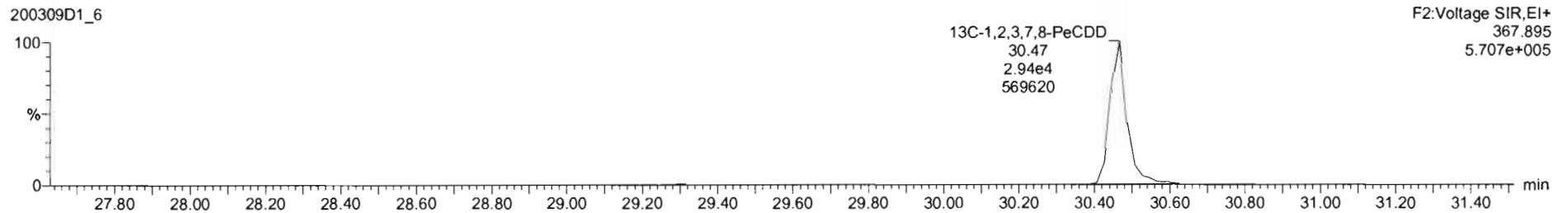
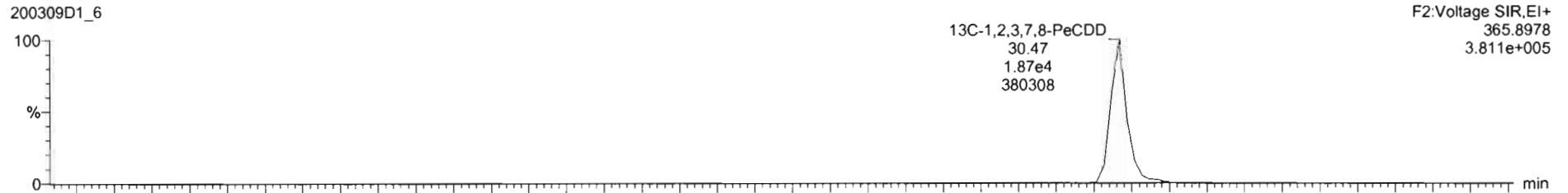
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Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,7,8-PeCDD



13C-1,2,3,7,8-PeCDD



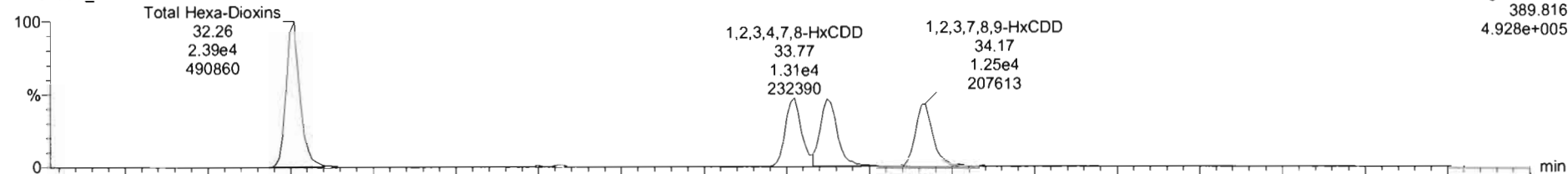
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

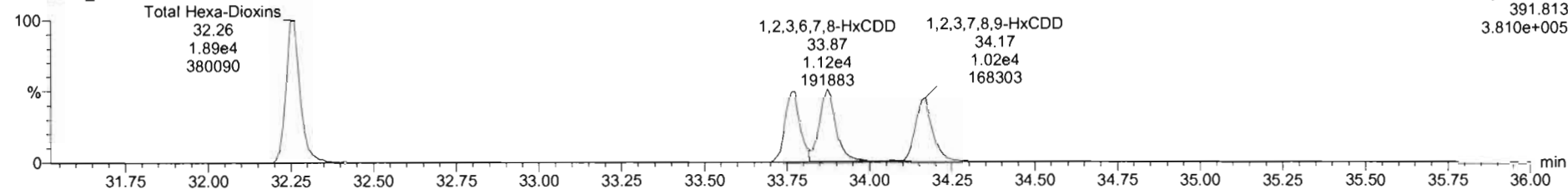
Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,4,7,8-HxCDD

200309D1_6

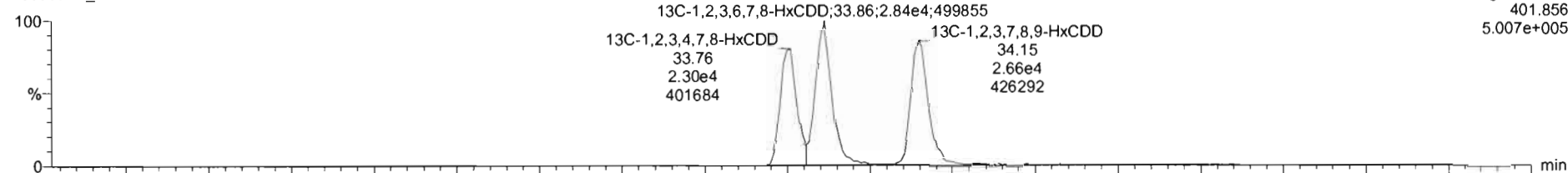


200309D1_6

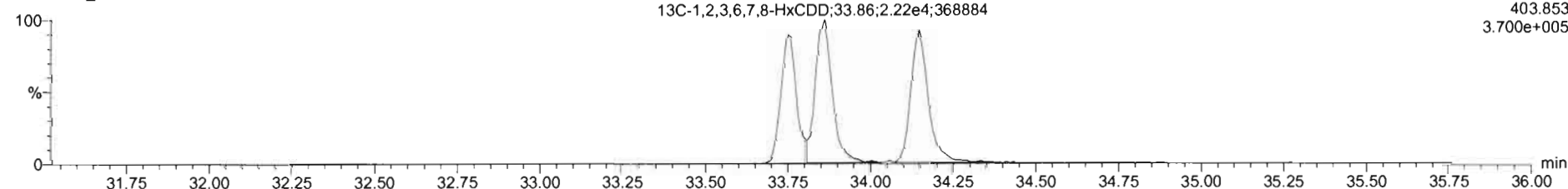


13C-1,2,3,4,7,8-HxCDD

200309D1_6



200309D1_6



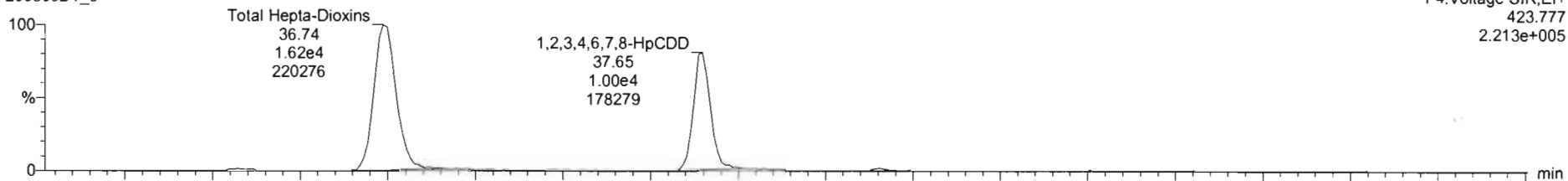
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

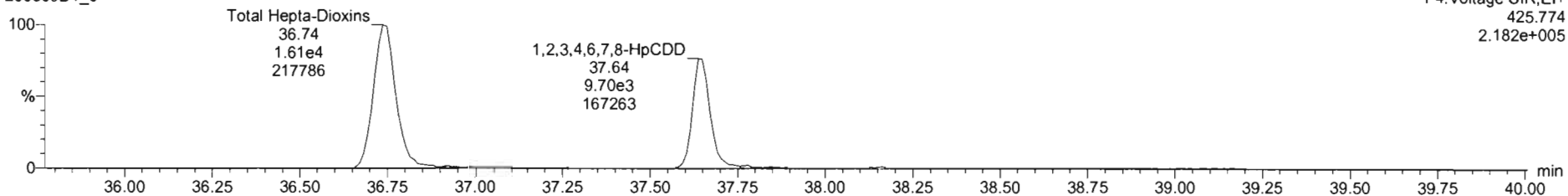
Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,4,6,7,8-HpCDD

200309D1_6

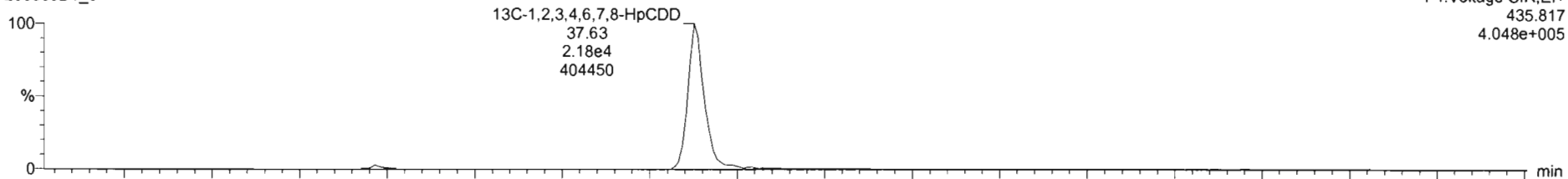


200309D1_6

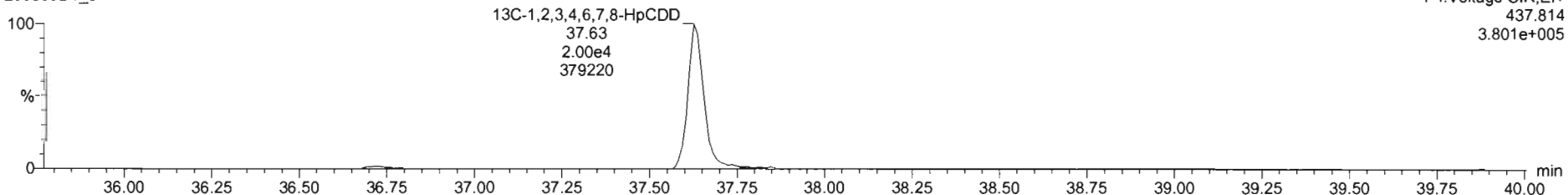


13C-1,2,3,4,6,7,8-HpCDD

200309D1_6



200309D1_6



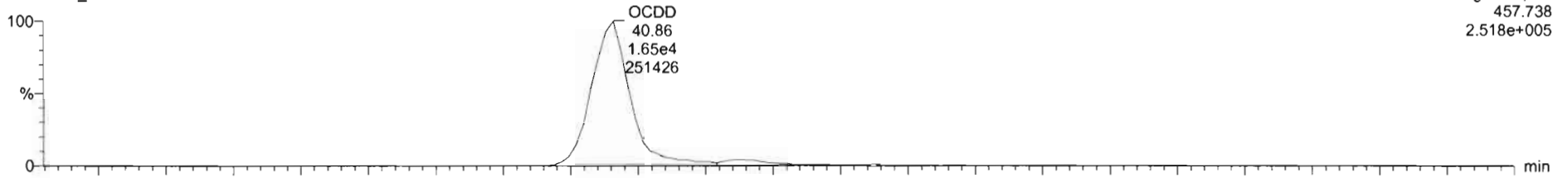
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Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

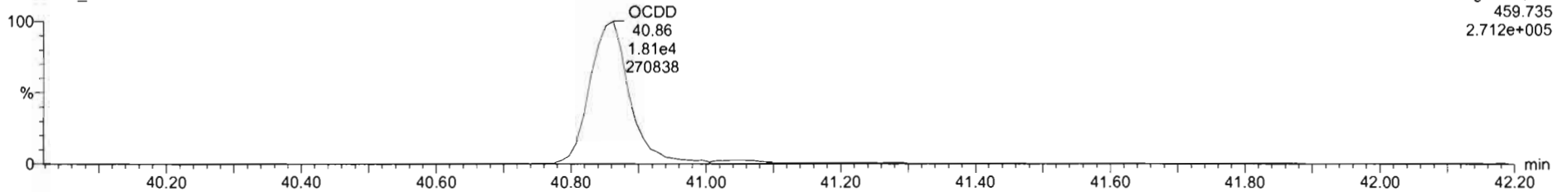
OCDD

200309D1_6



F5:Voltage SIR,EI+
457.738
2.518e+005

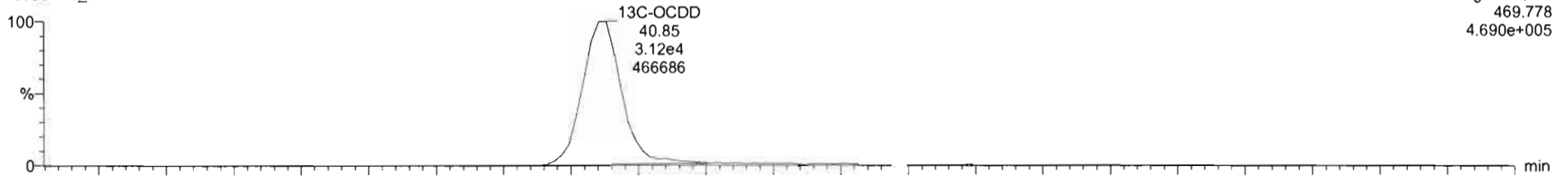
200309D1_6



F5:Voltage SIR,EI+
459.735
2.712e+005

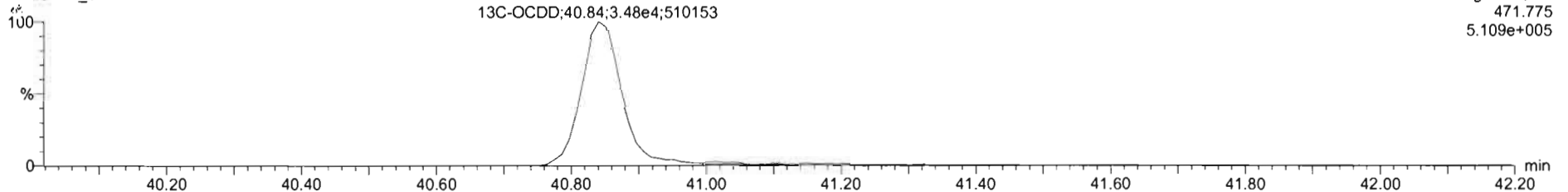
13C-OCDD

200309D1_6



F5:Voltage SIR,EI+
469.778
4.690e+005

200309D1_6



F5:Voltage SIR,EI+
471.775
5.109e+005

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

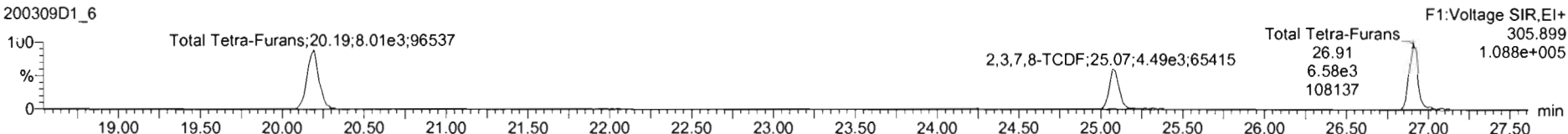
Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF

200309D1_6

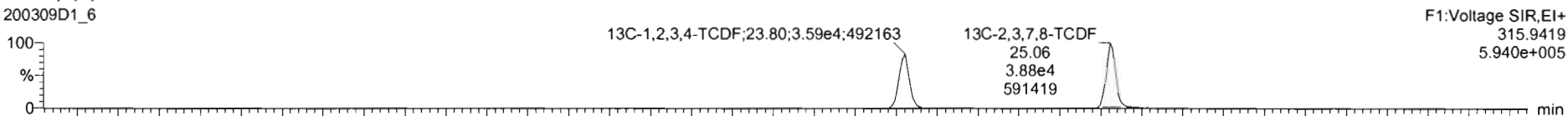


200309D1_6

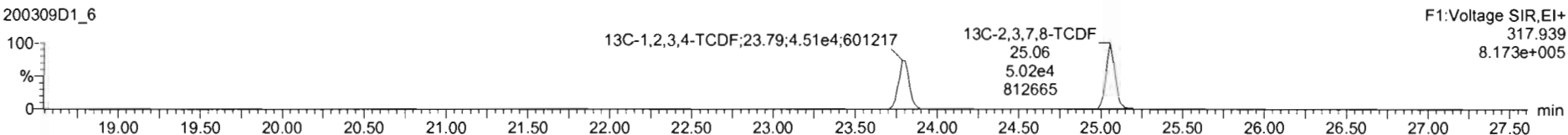


13C-2,3,7,8-TCDF

200309D1_6

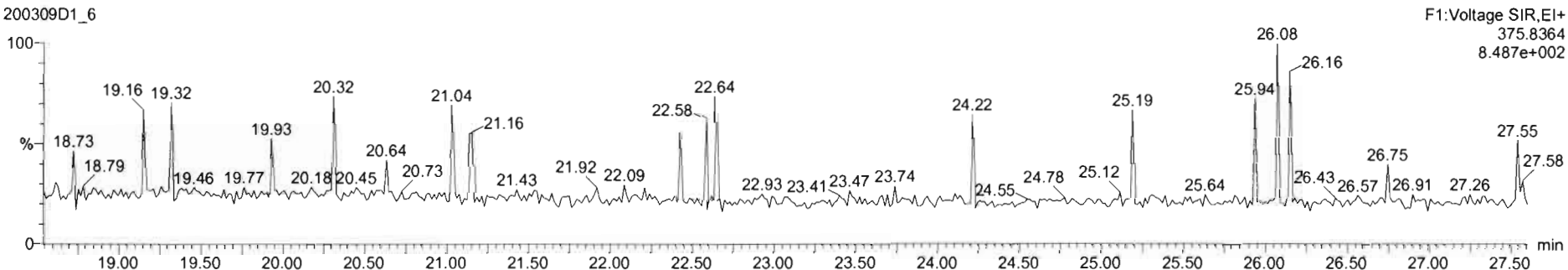


200309D1_6



DPE1

200309D1_6



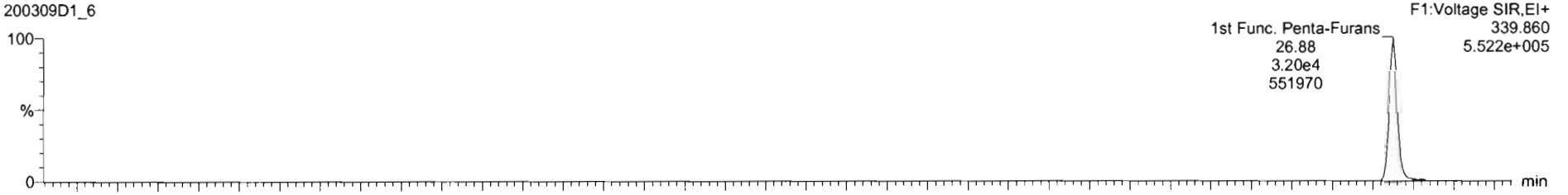
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

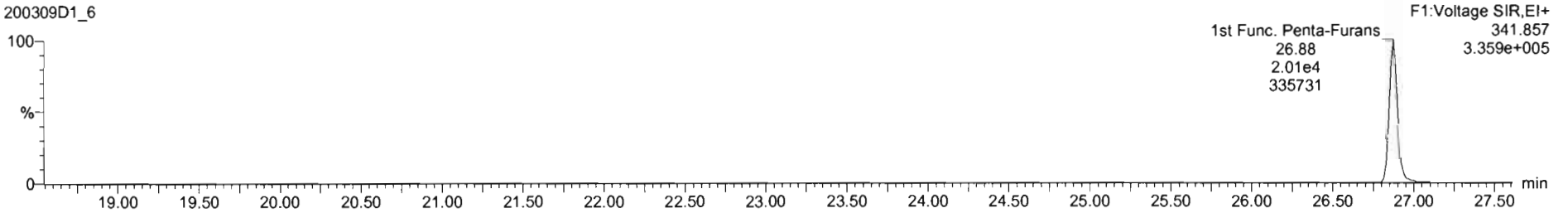
Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1st Func. Penta-Furans

200309D1_6

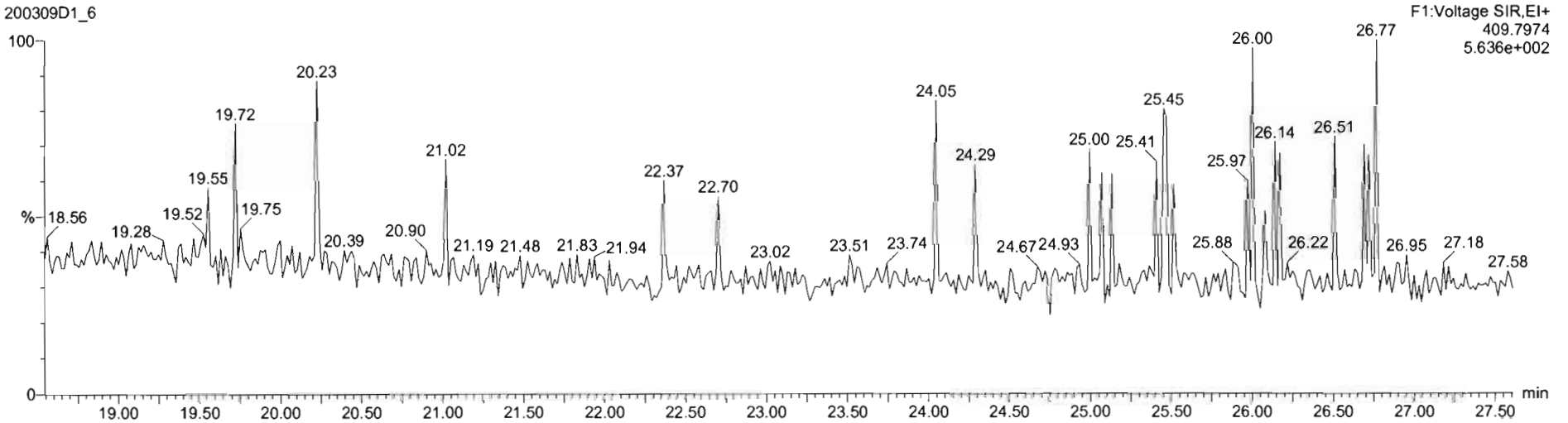


200309D1_6



DPE6

200309D1_6



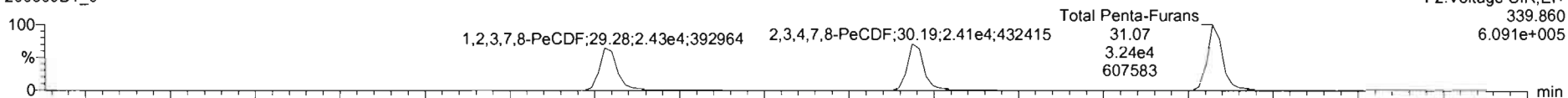
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

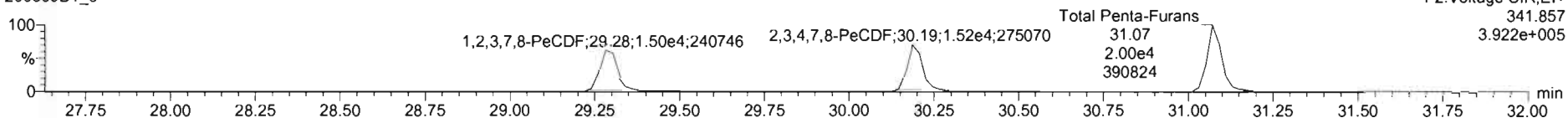
1,2,3,7,8-PeCDF

200309D1_6



F2:Voltage SIR,EI+
339.860
6.091e+005

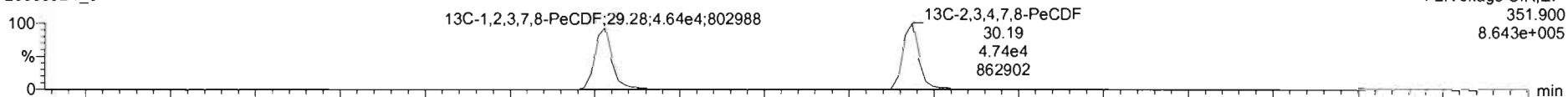
200309D1_6



F2:Voltage SIR,EI+
341.857
3.922e+005

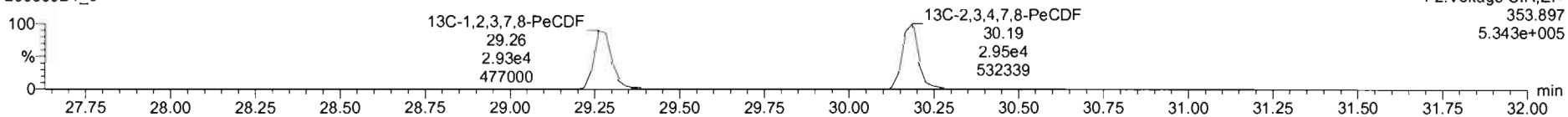
13C-1,2,3,7,8-PeCDF

200309D1_6



F2:Voltage SIR,EI+
351.900
8.643e+005

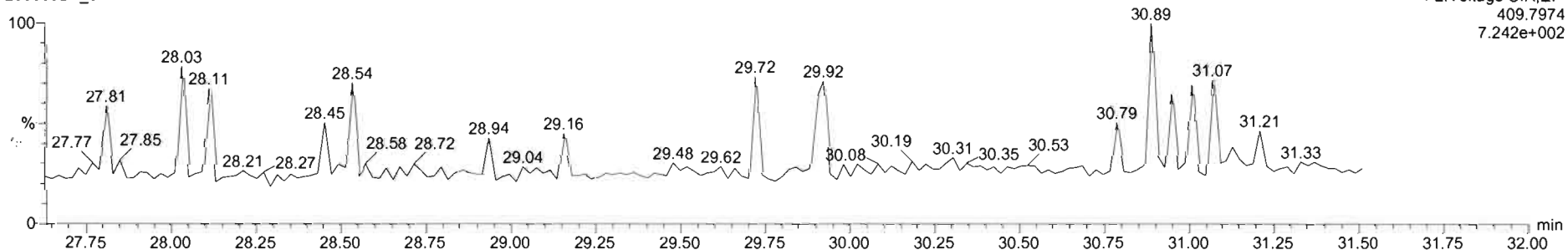
200309D1_6



F2:Voltage SIR,EI+
353.897
5.343e+005

DPE2

200309D1_6



F2:Voltage SIR,EI+
409.7974
7.242e+002

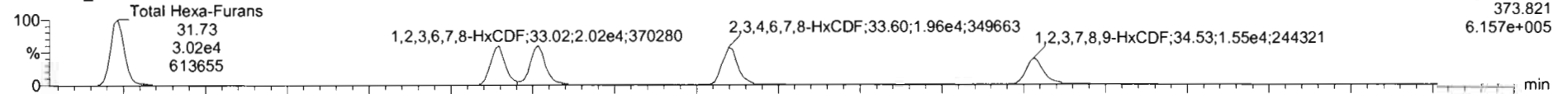
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

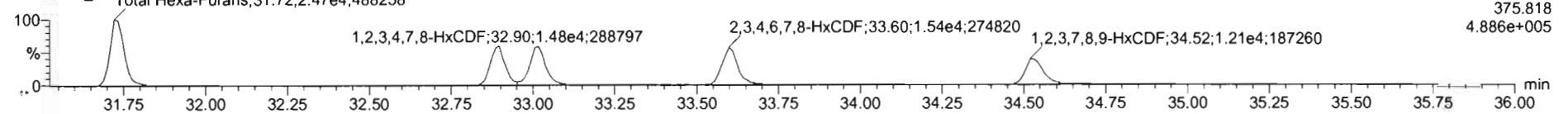
Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,4,7,8-HxCDF

200309D1_6

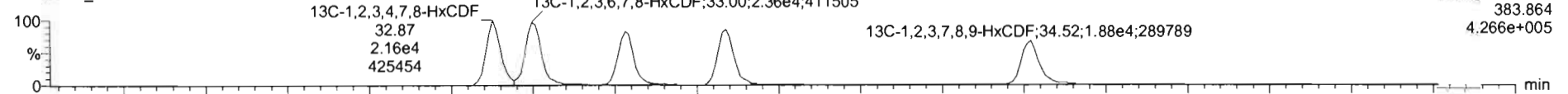


200309D1_6

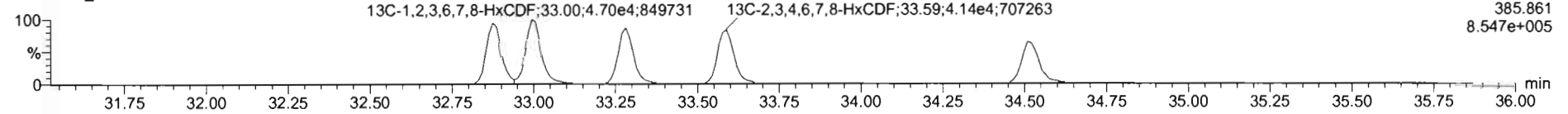


13C-1,2,3,4,7,8-HxCDF

200309D1_6

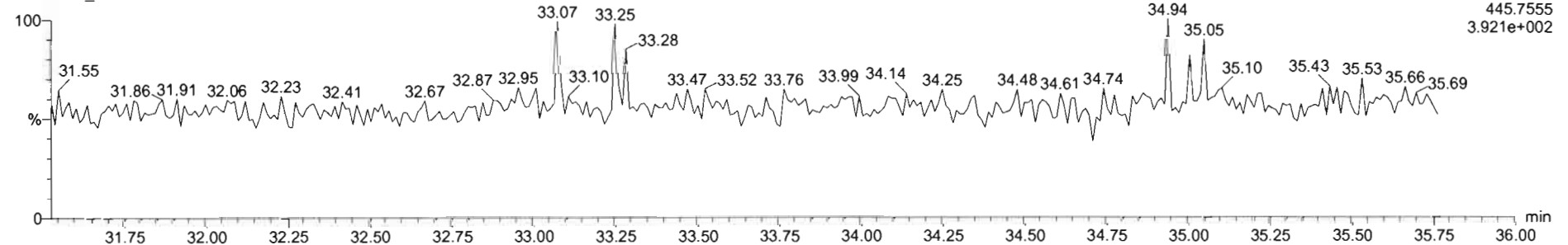


200309D1_6



DPE3

200309D1_6



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

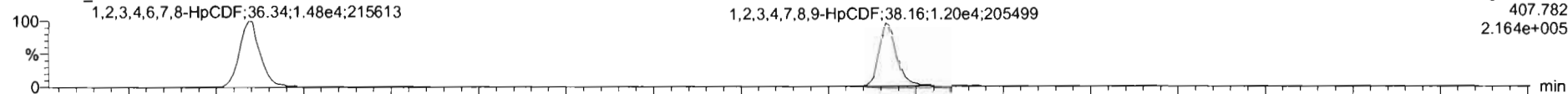
Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time

Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

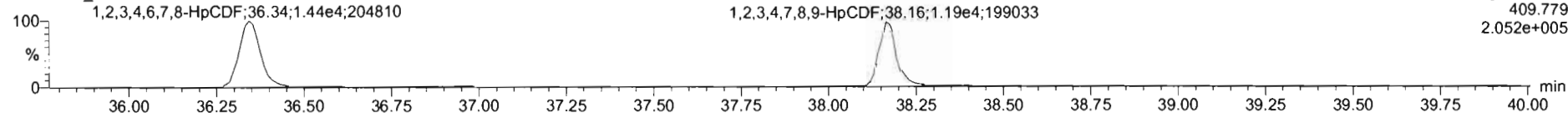
Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

1,2,3,4,6,7,8-HpCDF

200309D1_6

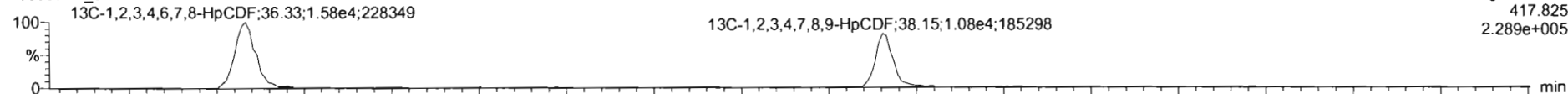


200309D1_6

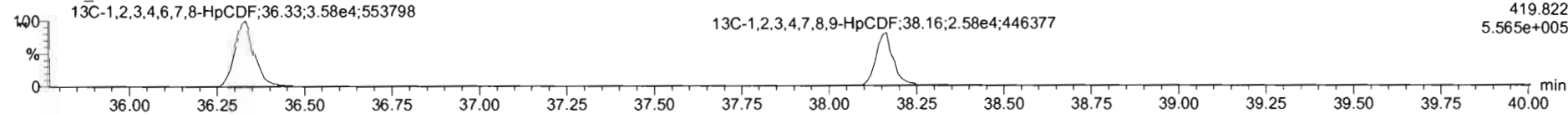


13C-1,2,3,4,6,7,8-HpCDF

200309D1_6

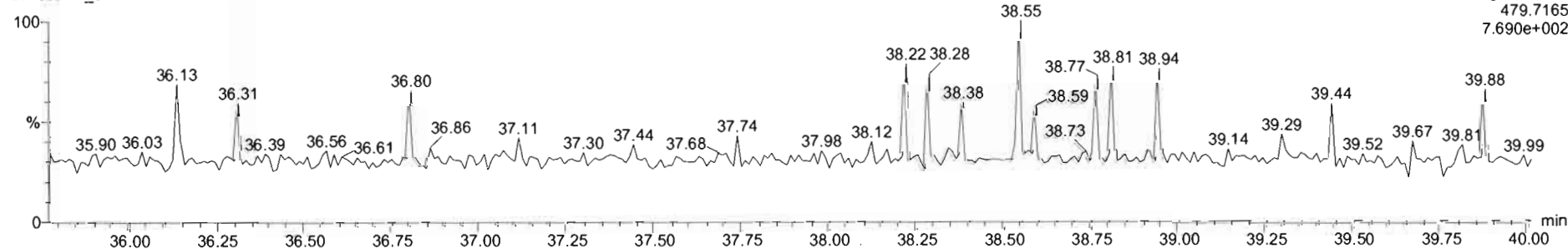


200309D1_6



DPE4

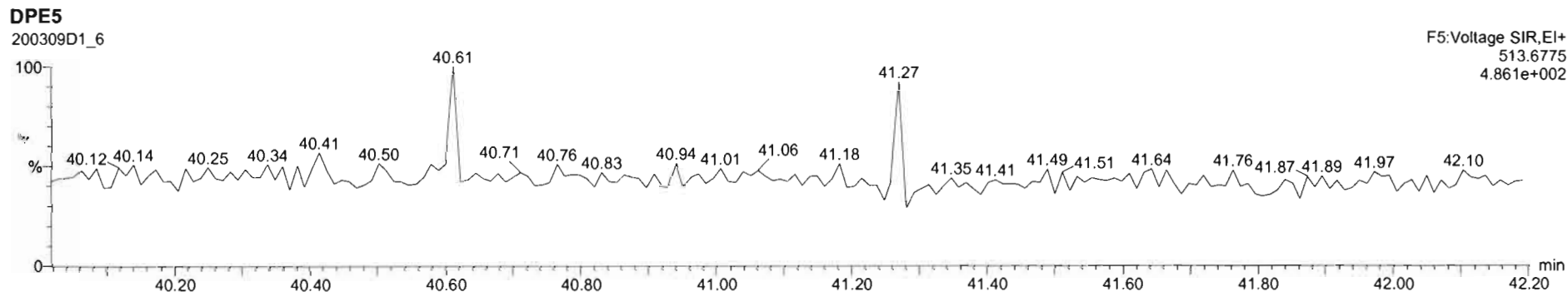
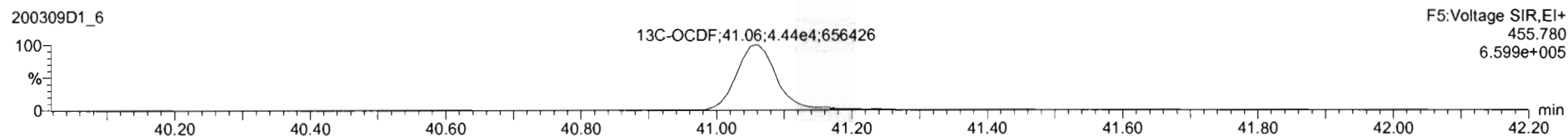
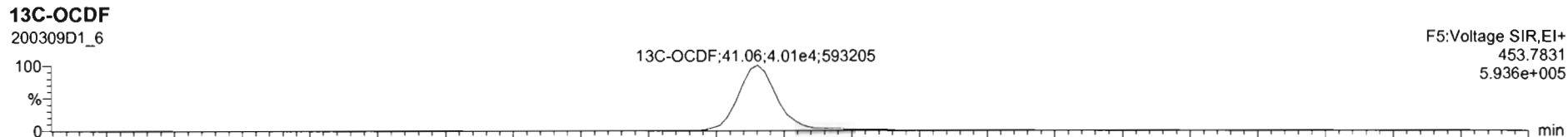
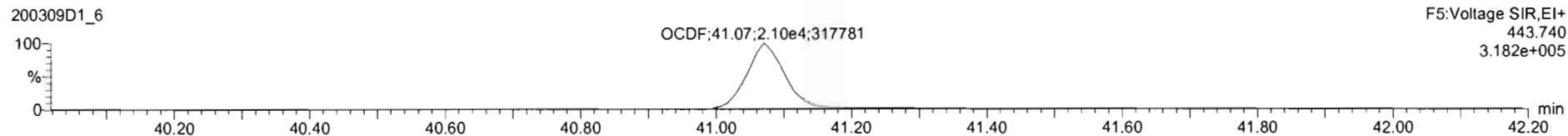
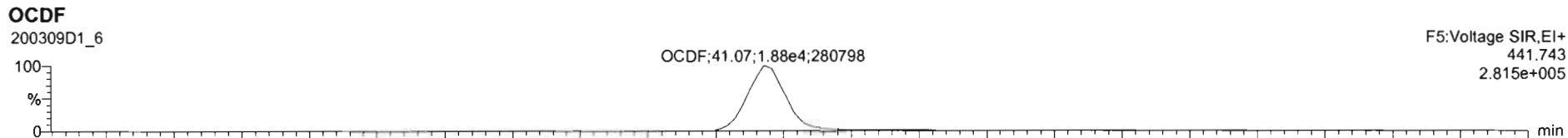
200309D1_6



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305



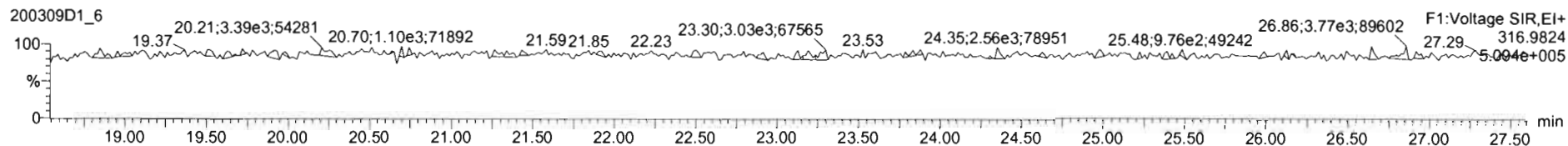
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_CRV.qld

Last Altered: Monday, March 09, 2020 16:58:54 Pacific Daylight Time

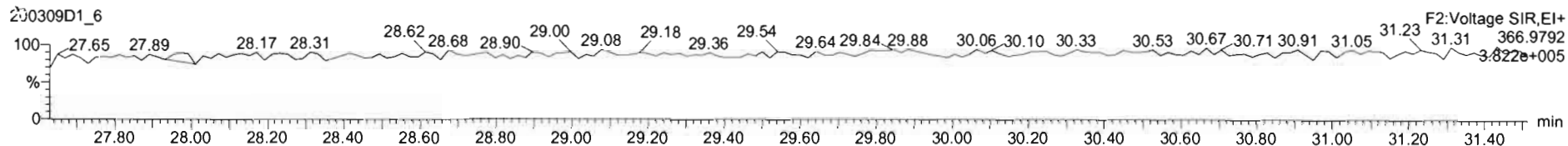
Printed: Monday, March 09, 2020 17:00:26 Pacific Daylight Time

Name: 200309D1_6, Date: 09-Mar-2020, Time: 16:13:17, ID: ST200309D1-6 1613 CS3 19L2305, Description: 1613 CS3 19L2305

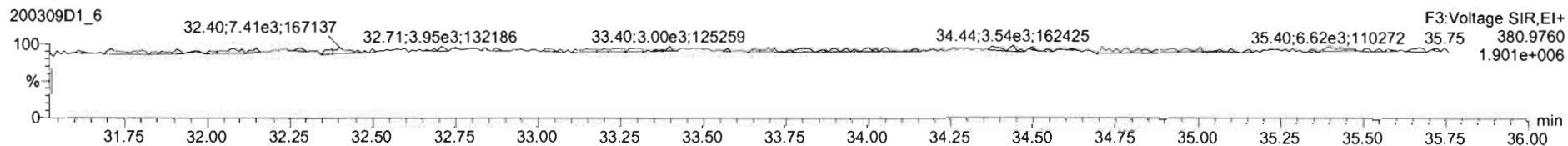
PFK1



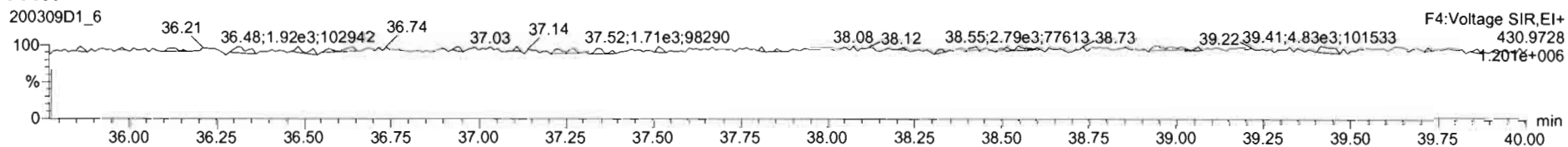
PFK2



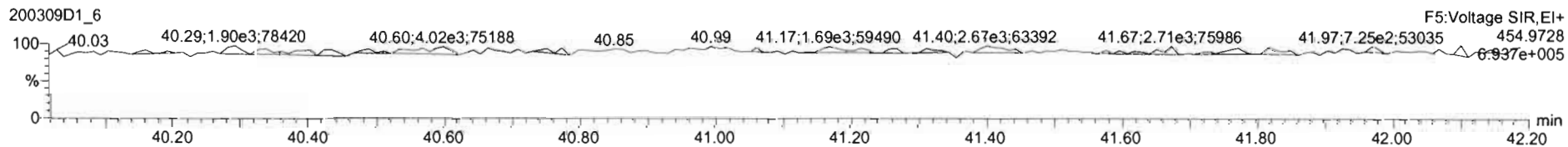
PFK3



PFK4

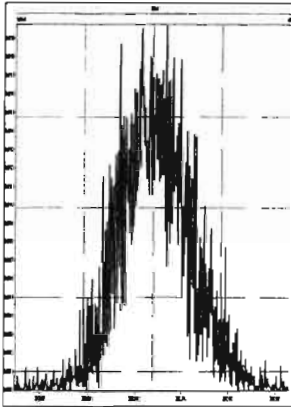


PFK5

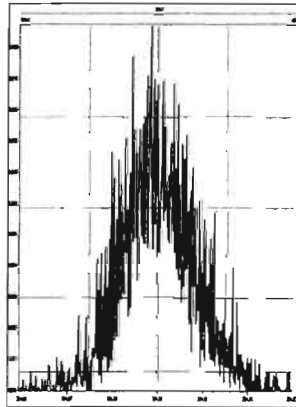


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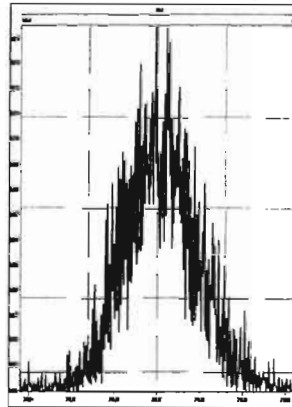
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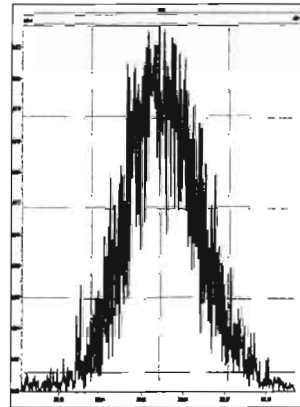
M 304.9824 R 10800



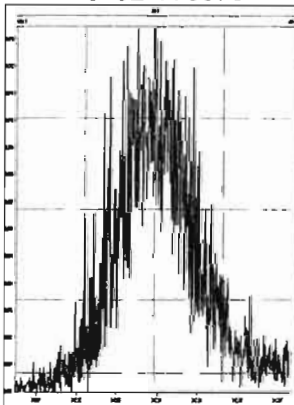
M 318.9792 R 10379



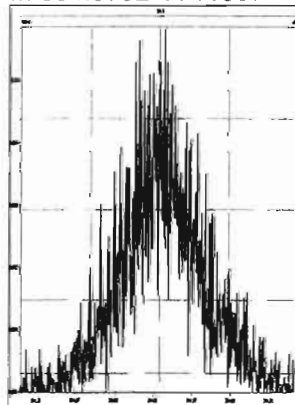
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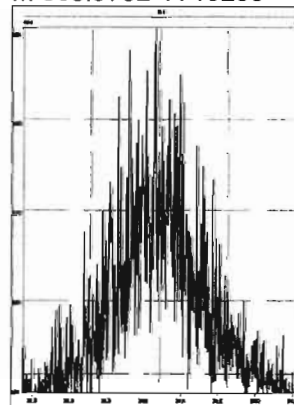
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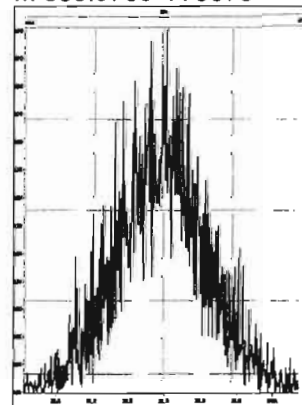
M 354.9792 R 11957



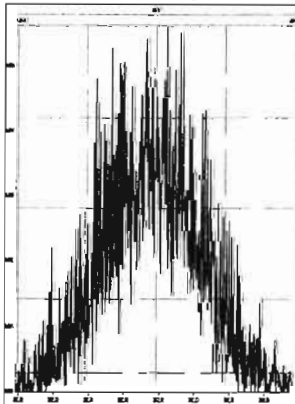
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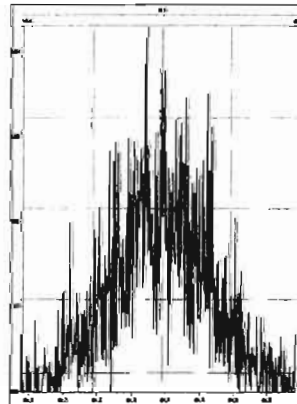
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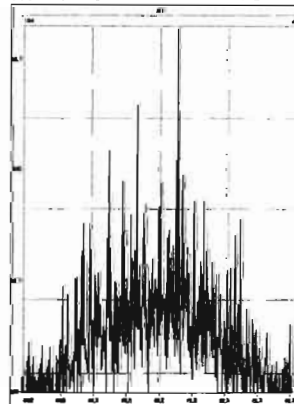
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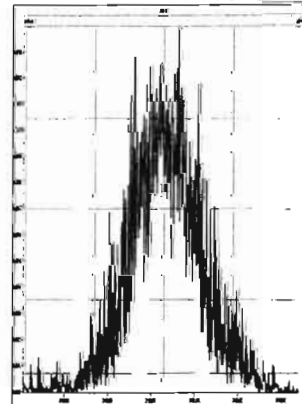
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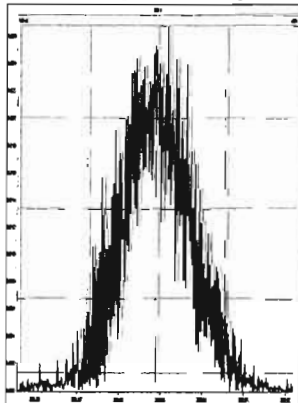
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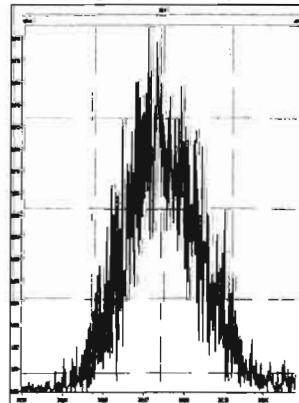
M 318.9792 R 11805



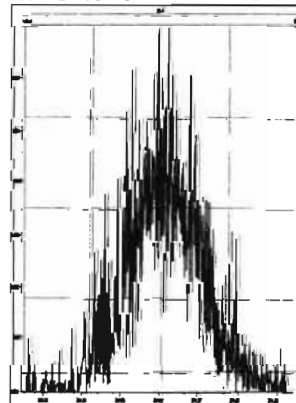
M 330.9792 R 11382



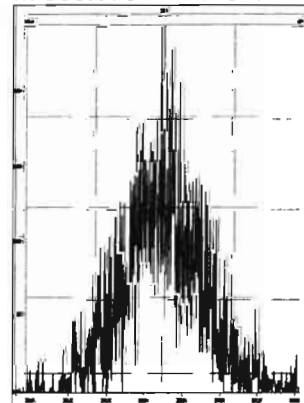
M 342.9792 R 11925



M 354.9792 R 11375

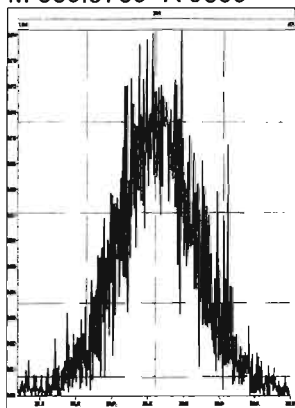


M 366.9792 R 14527

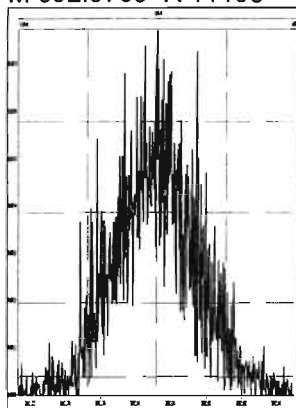


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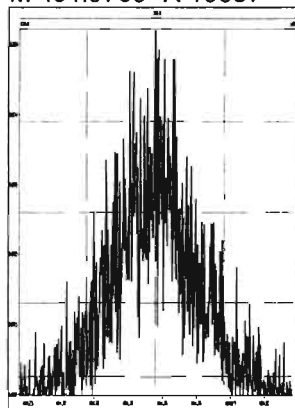
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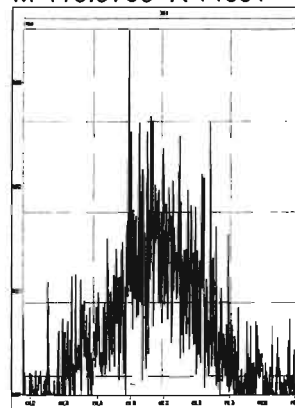
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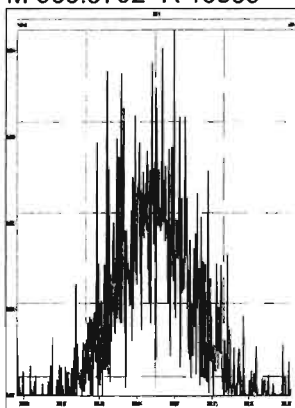
M 404.9760 R 10587



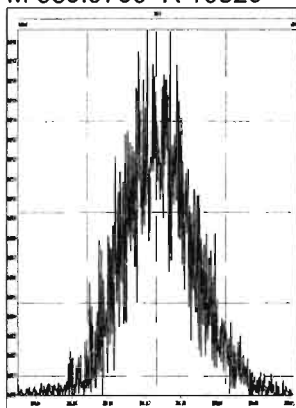
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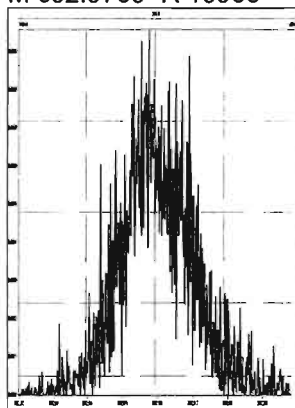
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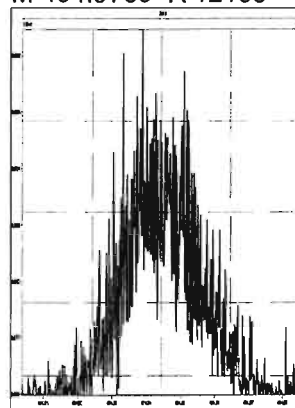
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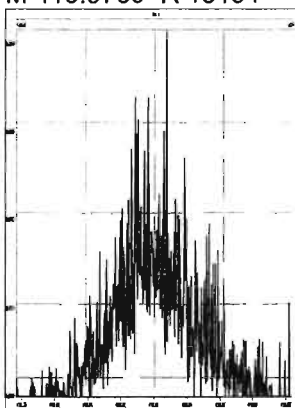
M 392.9760 R 10968



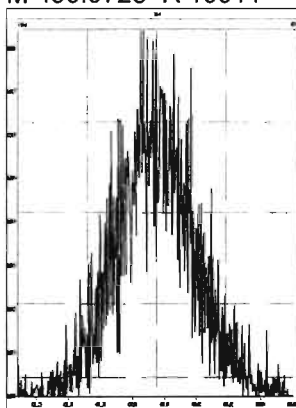
M 404.9760 R 12136



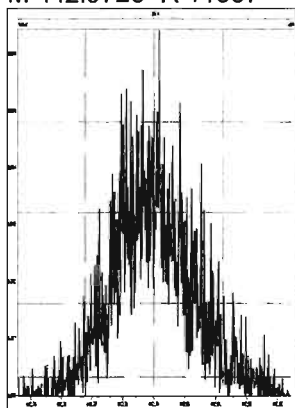
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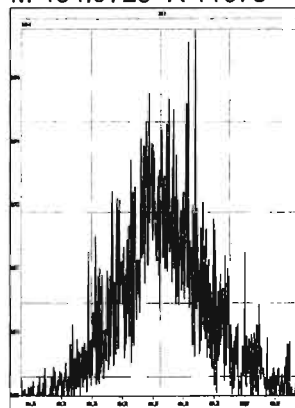
M 430.9728 R 10011



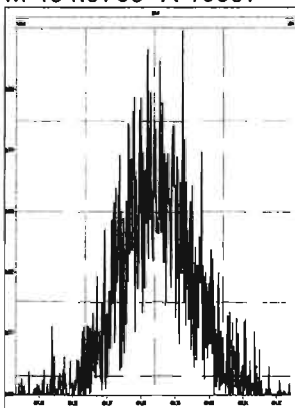
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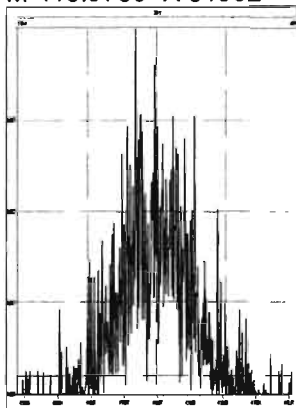
M 454.9728 R 11078



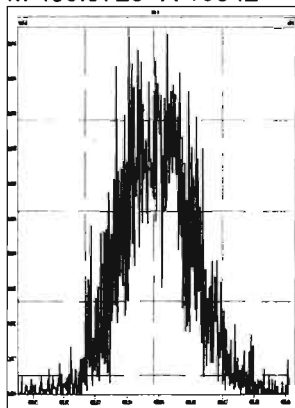
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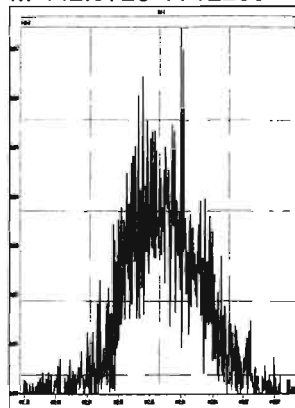
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M 430.9728 R 10842

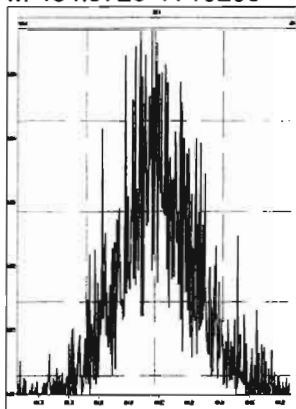


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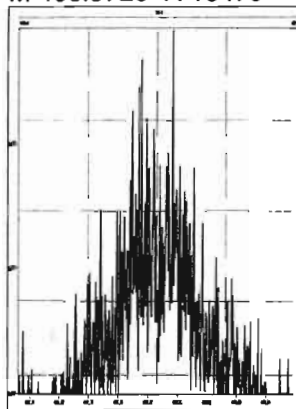


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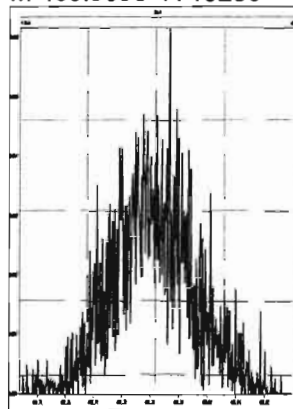
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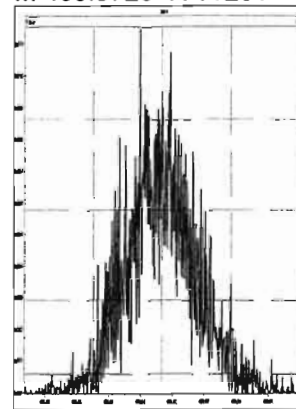
M 466.9728 R 18470



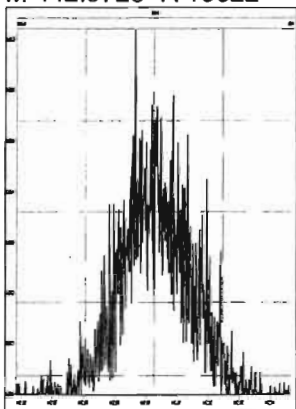
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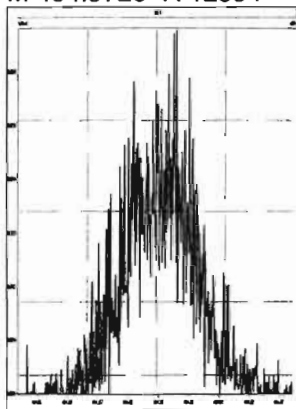
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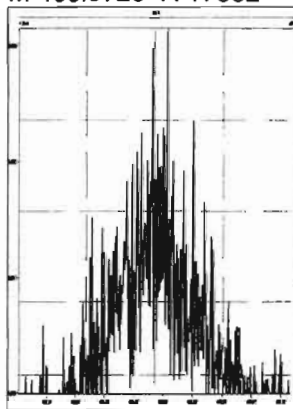
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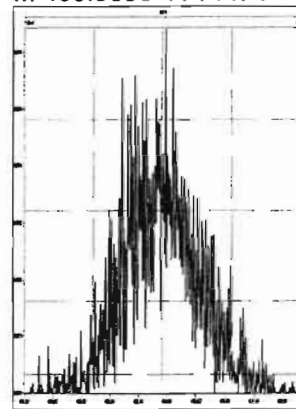
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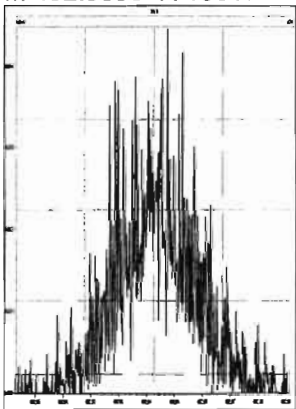
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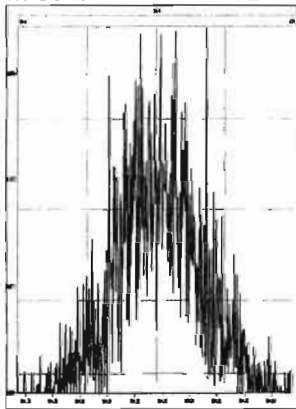
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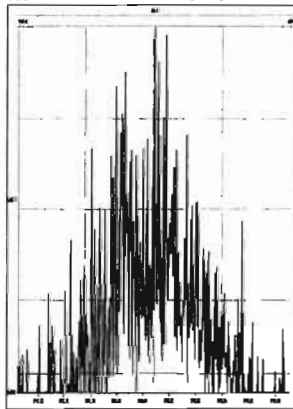
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Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 10:04:50 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 10:07:35 Pacific Daylight Time

DB 3/10/20 *07 03/10/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 09 Mar 2020 11:30:34
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	7.12e3	0.82	NO	0.987	1.000	25.913	25.90	1.001	1.001	10.343	103 <i>82-123</i>	0.180	10.3
2	2 1,2,3,7,8-PeCDD	3.03e4	0.61	NO	0.982	1.000	30.488	30.49	1.001	1.001	52.086	104 <i>78-130</i>	0.172	52.1
3	3 1,2,3,4,7,8-HxCDD	3.14e4	1.26	NO	1.17	1.000	33.762	33.77	1.000	1.001	53.633	107 <i>78-128</i>	0.277	53.6
4	4 1,2,3,6,7,8-HxCDD	3.40e4	1.25	NO	1.04	1.000	33.862	33.88	1.000	1.001	55.125	110 <i>78-128</i>	0.254	55.1
5	5 1,2,3,7,8,9-HxCDD	3.12e4	1.27	NO	1.00	1.000	34.192	34.17	1.001	1.000	55.125	110 <i>82-122</i>	0.269	55.1
6	6 1,2,3,4,6,7,8-HpCDD	2.60e4	1.06	NO	0.992	1.000	37.648	37.66	1.000	1.001	53.690	107 <i>86-116</i>	0.367	53.7
7	7 OCDD	4.37e4	0.89	NO	1.04	1.000	40.852	40.86	1.000	1.000	108.89	109 <i>79-126</i>	0.547	109
8	8 2,3,7,8-TCDF	1.03e4	0.76	NO	0.882	1.000	25.097	25.09	1.001	1.001	10.684	107 <i>86-116</i>	0.118	10.7
9	9 1,2,3,7,8-PeCDF	5.27e4	1.60	NO	1.05	1.000	29.300	29.30	1.001	1.001	51.536	103 <i>82-120</i>	0.197	51.5
10	10 2,3,4,7,8-PeCDF	5.98e4	1.60	NO	1.06	1.000	30.215	30.21	1.001	1.001	59.682	119 <i>82-120</i>	0.200	59.7
11	11 1,2,3,4,7,8-HxCDF	4.52e4	1.25	NO	1.08	1.000	32.885	32.90	1.000	1.000	53.095	106 <i>90-112</i>	0.250	53.1
12	12 1,2,3,6,7,8-HxCDF	4.79e4	1.28	NO	1.04	1.000	33.016	33.02	1.000	1.000	55.556	111 <i>88-114</i>	0.272	55.6
13	13 2,3,4,6,7,8-HxCDF	4.39e4	1.23	NO	1.11	1.000	33.622	33.61	1.001	1.001	51.071	102 <i>88-114</i>	0.265	51.1
14	14 1,2,3,7,8,9-HxCDF	3.57e4	1.26	NO	1.06	1.000	34.531	34.54	1.000	1.000	53.112	106 <i>90-112</i>	0.388	53.1
15	15 1,2,3,4,6,7,8-HpCDF	3.92e4	1.06	NO	1.13	1.000	36.378	36.35	1.001	1.000	54.829	110 <i>90-110</i>	0.369	54.8
16	16 1,2,3,4,7,8,9-HpCDF	3.06e4	1.04	NO	1.33	1.000	38.164	38.17	1.000	1.000	53.195	106 <i>86-116</i>	0.361	53.2
17	17 OCDF	4.98e4	0.88	NO	0.933	1.000	41.061	41.08	1.000	1.001	106.20	106 <i>63759</i>	0.530	106
18	18 13C-2,3,7,8-TCDD	6.98e4	0.77	NO	1.21	1.000	25.959	25.88	1.026	1.023	88.582	88.6 <i>82-121</i>	0.809	
19	19 13C-1,2,3,7,8-PeCDD	5.93e4	0.64	NO	0.996	1.000	30.412	30.47	1.202	1.204	91.239	91.2 <i>62-160</i>	0.394	
20	20 13C-1,2,3,4,7,8-HxCDD	4.99e4	1.29	NO	0.679	1.000	33.746	33.75	1.014	1.014	92.345	92.3 <i>85-117</i>	0.538	
21	21 13C-1,2,3,6,7,8-HxCDD	5.95e4	1.31	NO	0.850	1.000	33.856	33.86	1.017	1.017	87.951	88.0 <i>85-118</i>	0.430	
22	22 13C-1,2,3,7,8,9-HxCDD	5.65e4	1.24	NO	0.798	1.000	34.125	34.16	1.025	1.026	88.796	88.8 <i>85-118</i>	0.457	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.89e4	1.05	NO	0.697	1.000	37.573	37.64	1.129	1.131	88.088	88.1 <i>72-138</i>	0.645	
24	24 13C-OCDD	7.76e4	0.90	NO	0.579	1.000	40.582	40.85	1.219	1.228	168.23	84.1 <i>48-207</i>	1.07	
25	25 13C-2,3,7,8-TCDF	1.09e5	0.77	NO	1.13	1.000	25.048	25.07	0.990	0.991	91.711	91.7 <i>71-140</i>	0.730	
26	26 13C-1,2,3,7,8-PeCDF	9.78e4	1.64	NO	0.996	1.000	29.240	29.28	1.156	1.157	93.246	93.2 <i>76-130</i>	0.529	
27	27 13C-2,3,4,7,8-PeCDF	9.45e4	1.60	NO	0.969	1.000	30.133	30.18	1.191	1.193	92.595	92.6 <i>77-130</i>	0.544	
28	28 13C-1,2,3,4,7,8-HxCDF	7.87e4	0.50	NO	1.06	1.000	32.881	32.88	0.988	0.988	93.385	93.4 <i>76-131</i>	0.584	
29	29 13C-1,2,3,6,7,8-HxCDF	8.27e4	0.50	NO	1.18	1.000	33.014	33.01	0.992	0.992	88.358	88.4 <i>70-143</i>	0.526	
30	30 13C-2,3,4,6,7,8-HxCDF	7.74e4	0.51	NO	1.06	1.000	33.583	33.59	1.009	1.009	91.900	91.9 <i>73-137</i>	0.585	
31	31 13C-1,2,3,7,8,9-HxCDF	6.36e4	0.49	NO	0.879	1.000	34.478	34.53	1.036	1.038	90.868	90.9 <i>74-135</i>	0.703	

Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 10:04:50 Pacific Daylight Time

Printed: Tuesday, March 10, 2020 10:07:35 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.34e4	0.43	NO	0.893	1.000	36.175	36.34	1.087	1.092	89.122	89.1 78-129	0.614	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.31e4	0.43	NO	0.613	1.000	38.172	38.16	1.147	1.147	88.244	88.2 77-129	0.893	
34	34 13C-OCDF	1.01e5	0.86	NO	0.741	1.000	40.735	41.06	1.224	1.234	170.22	85.1 48-207	0.528	
35	35 37Cl-2,3,7,8-TCDD	7.09e3			1.18	1.000	25.956	25.90	1.026	1.024	9.2054	92.1 79-127	0.0703	
36	36 13C-1,2,3,4-TCDD	6.53e4	0.81	NO	1.00	1.000	25.440	25.30	1.000	1.000	100.00	100	0.977	
37	37 13C-1,2,3,4-TCDF	1.05e5	0.80	NO	1.00	1.000	23.970	23.80	1.000	1.000	100.00	100	0.823	
38	38 13C-1,2,3,4,6,9-HxCDF	7.97e4	0.51	NO	1.00	1.000	33.260	33.28	1.000	1.000	100.00	100	0.618	

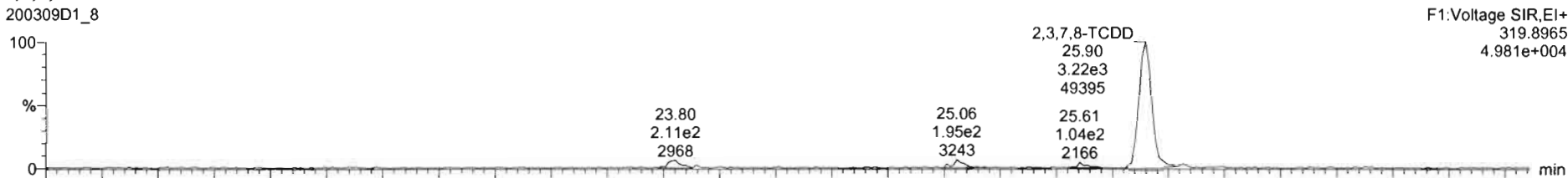
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Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

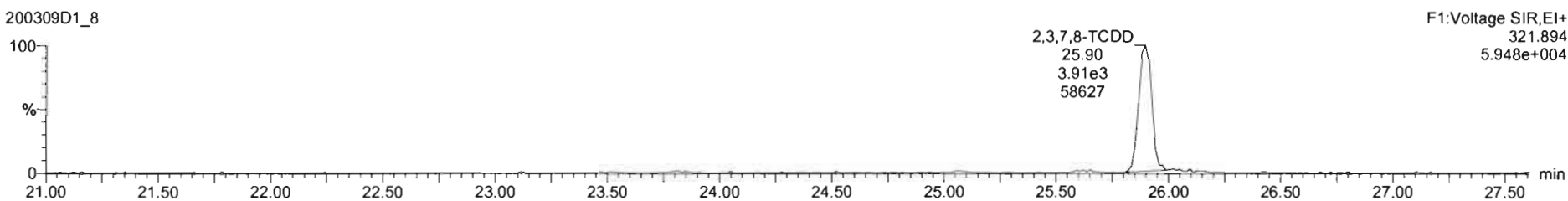
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Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

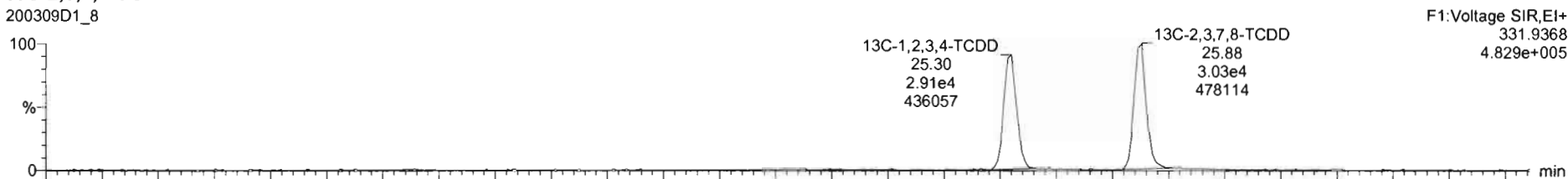
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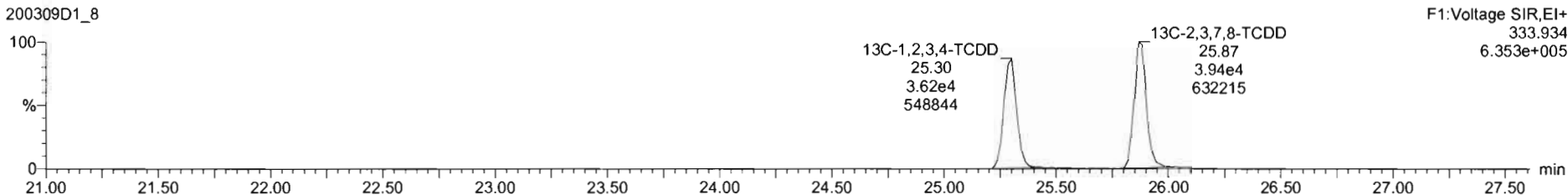
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200309D1_8



200309D1_8

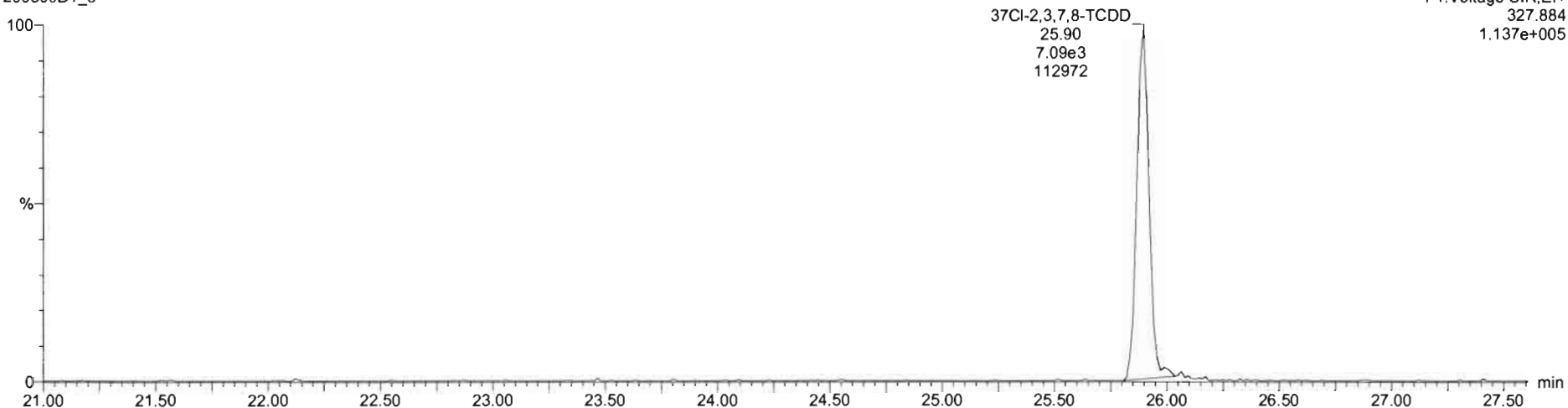


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

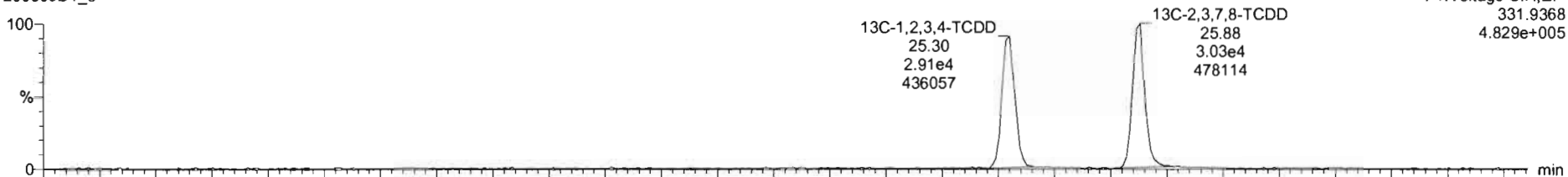
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Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

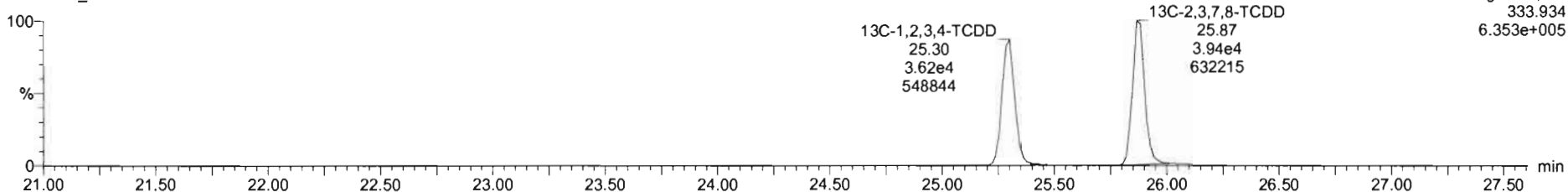
37Cl-2,3,7,8-TCDD
200309D1_8



13C-1,2,3,4-TCDD
200309D1_8



200309D1_8



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

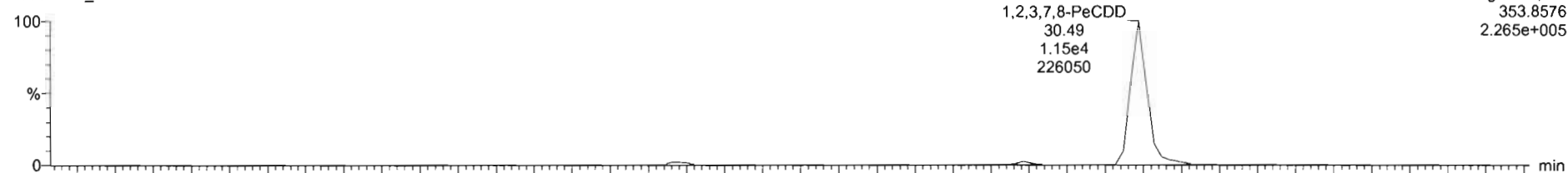
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Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

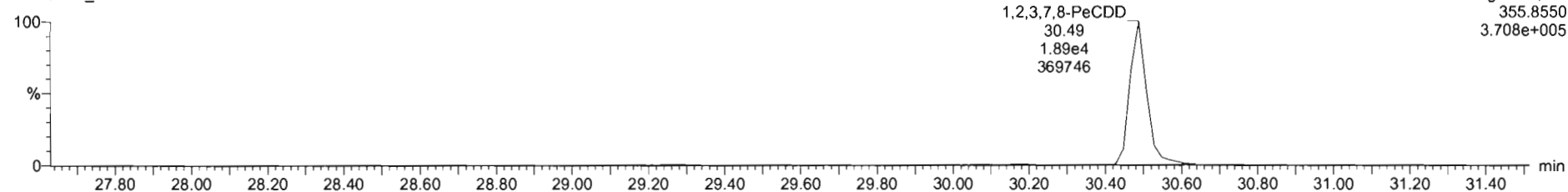
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1,2,3,7,8-PeCDD

200309D1_8

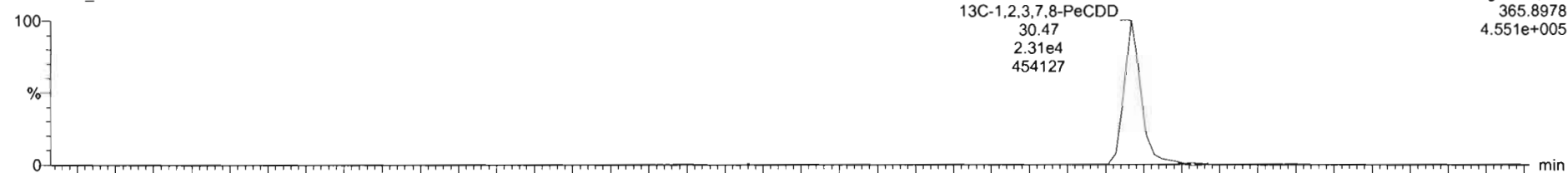


200309D1_8

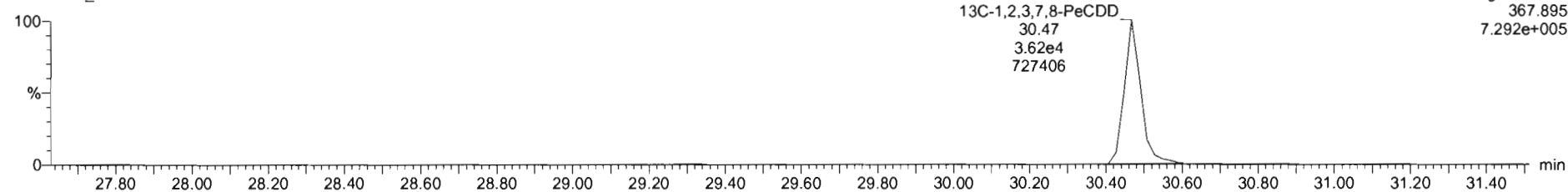


13C-1,2,3,7,8-PeCDD

200309D1_8



200309D1_8



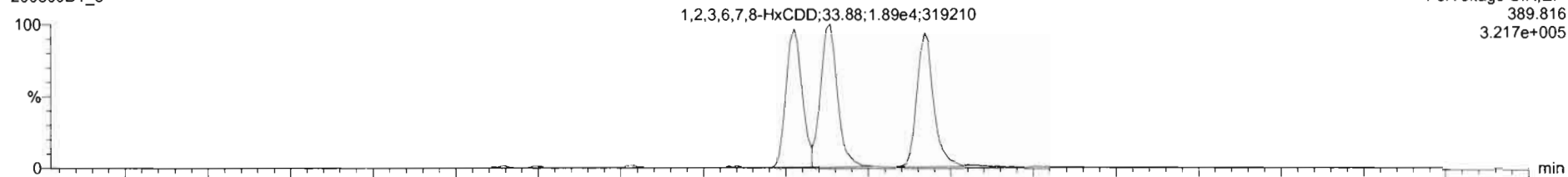
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Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

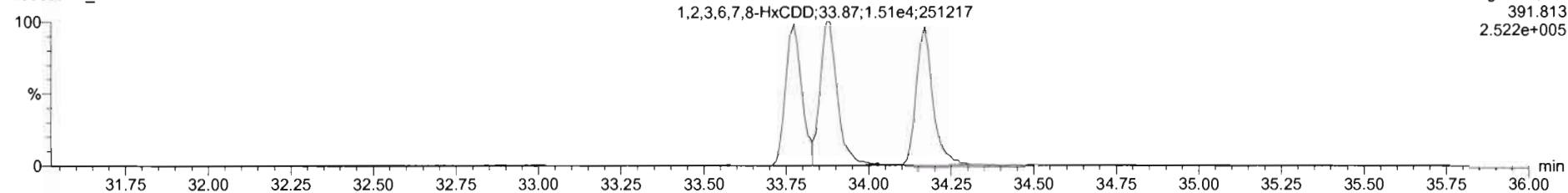
Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

1,2,3,4,7,8-HxCDD

200309D1_8

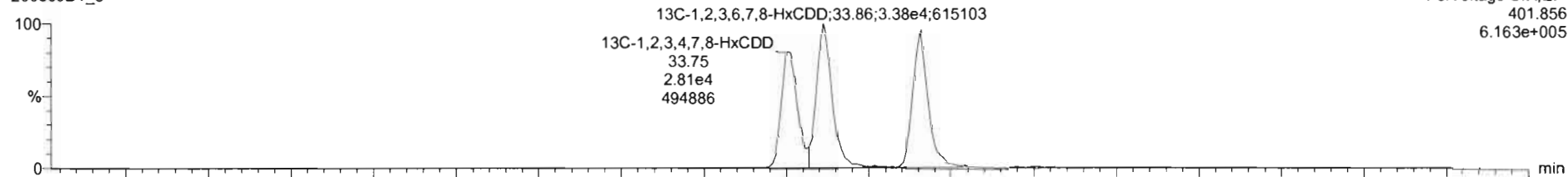


200309D1_8

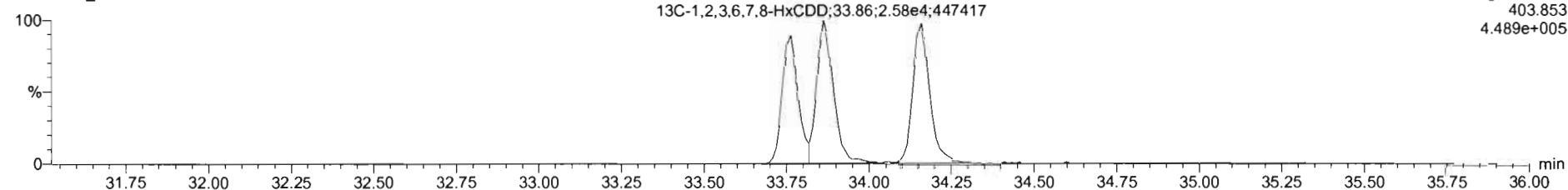


13C-1,2,3,4,7,8-HxCDD

200309D1_8



200309D1_8



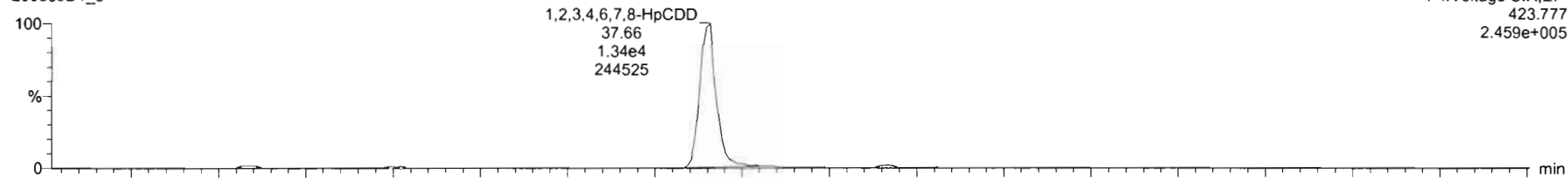
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Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

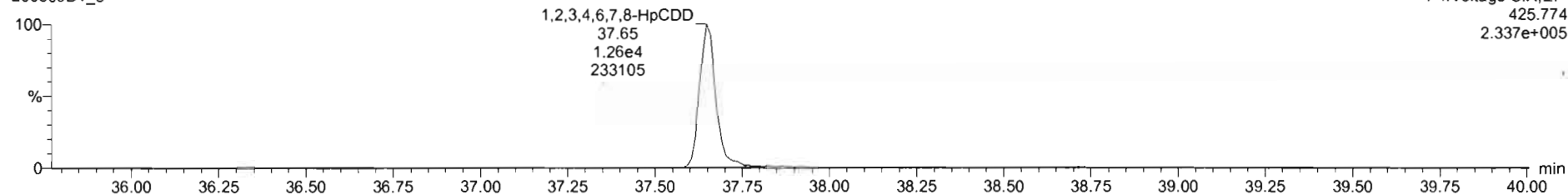
Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

1,2,3,4,6,7,8-HpCDD

200309D1_8

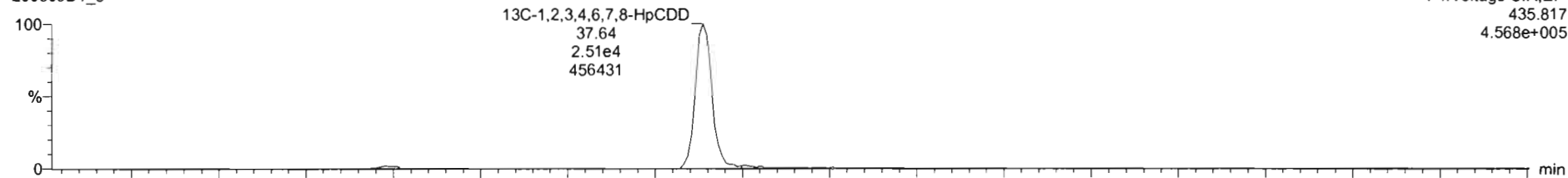


200309D1_8

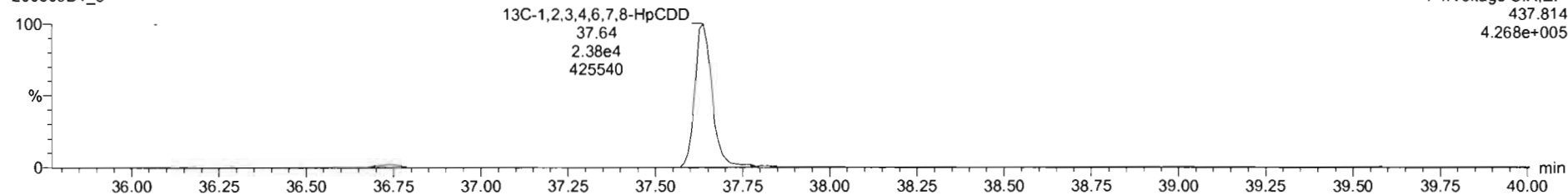


13C-1,2,3,4,6,7,8-HpCDD

200309D1_8



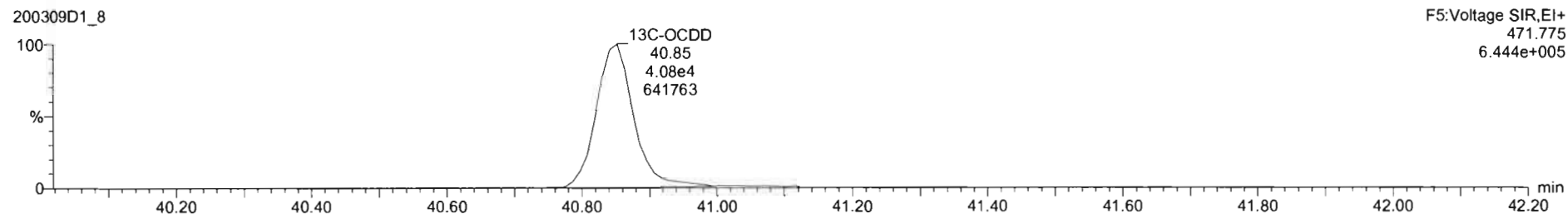
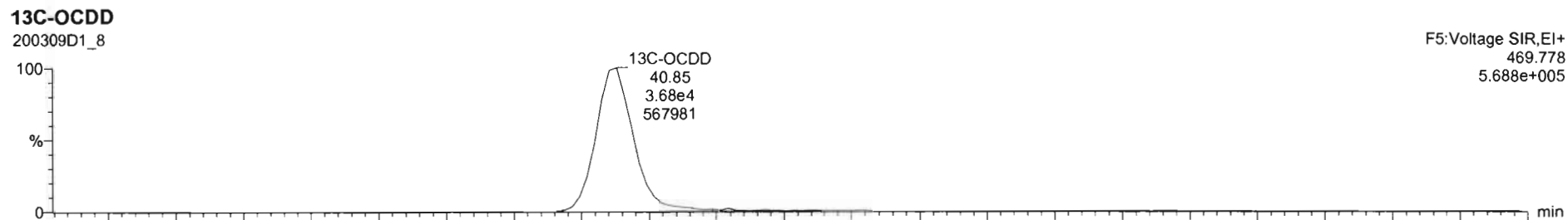
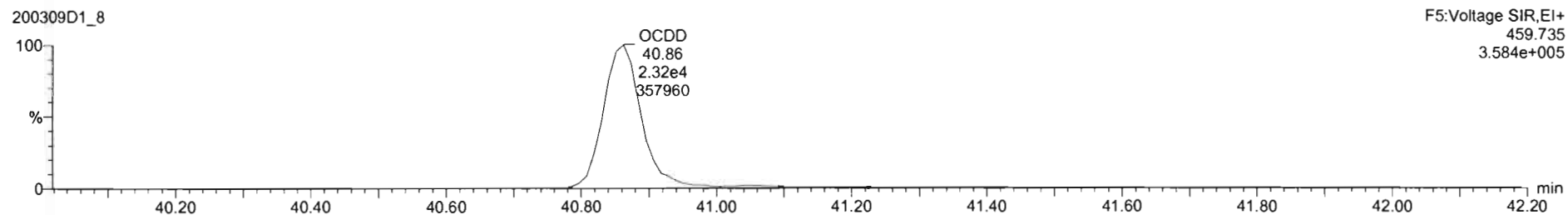
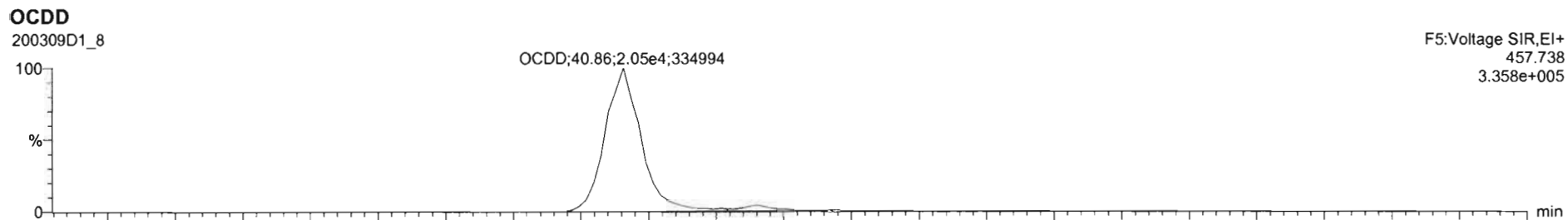
200309D1_8



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



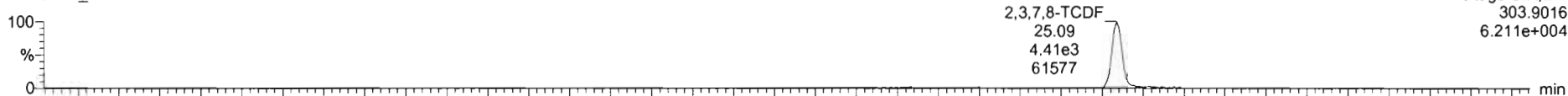
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

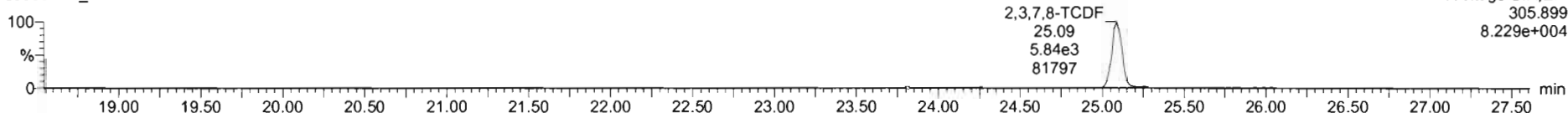
Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

2,3,7,8-TCDF

200309D1_8

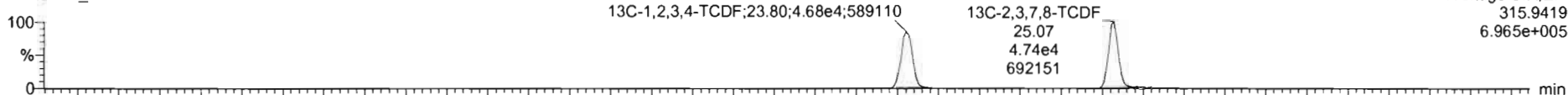


200309D1_8

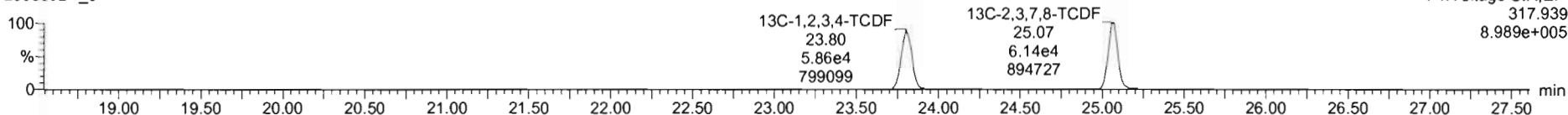


13C-2,3,7,8-TCDF

200309D1_8

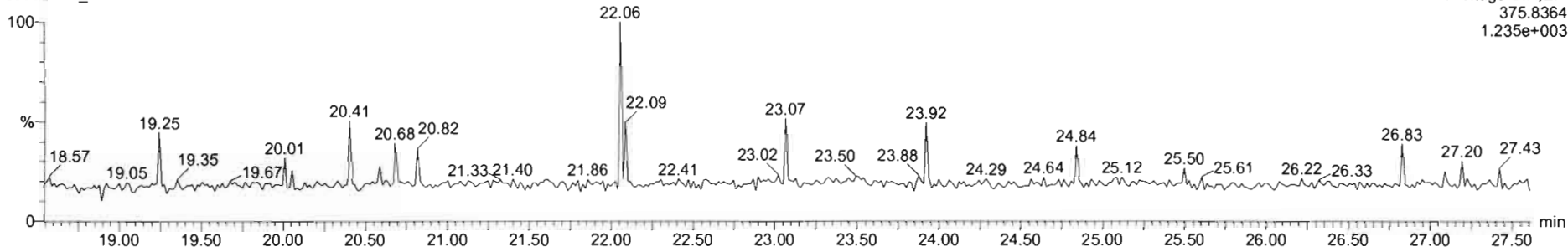


200309D1_8



DPE1

200309D1_8



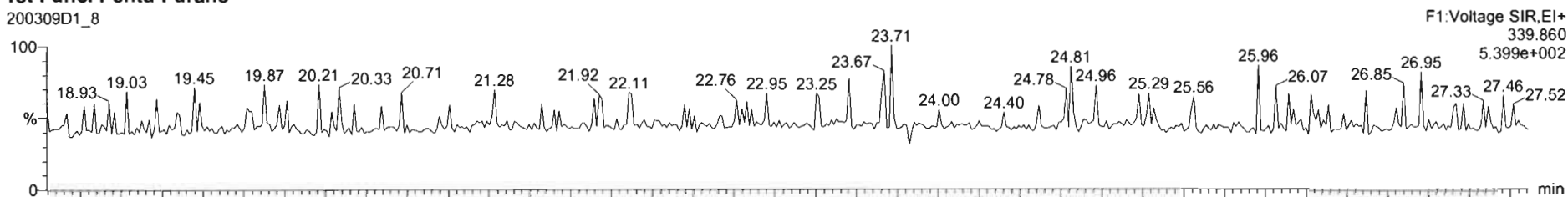
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

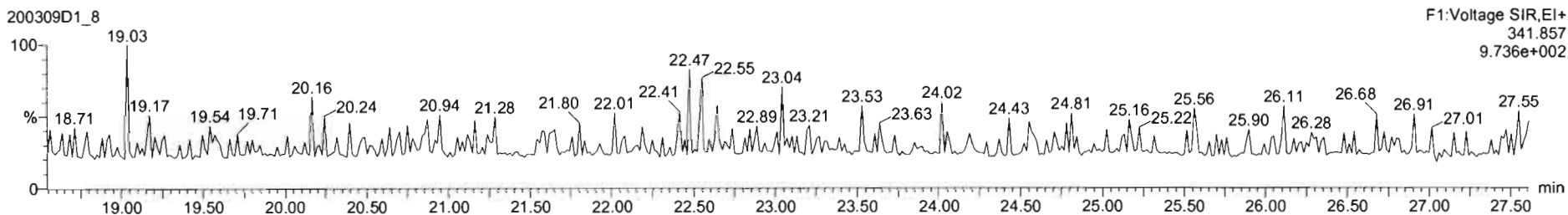
Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

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200309D1_8

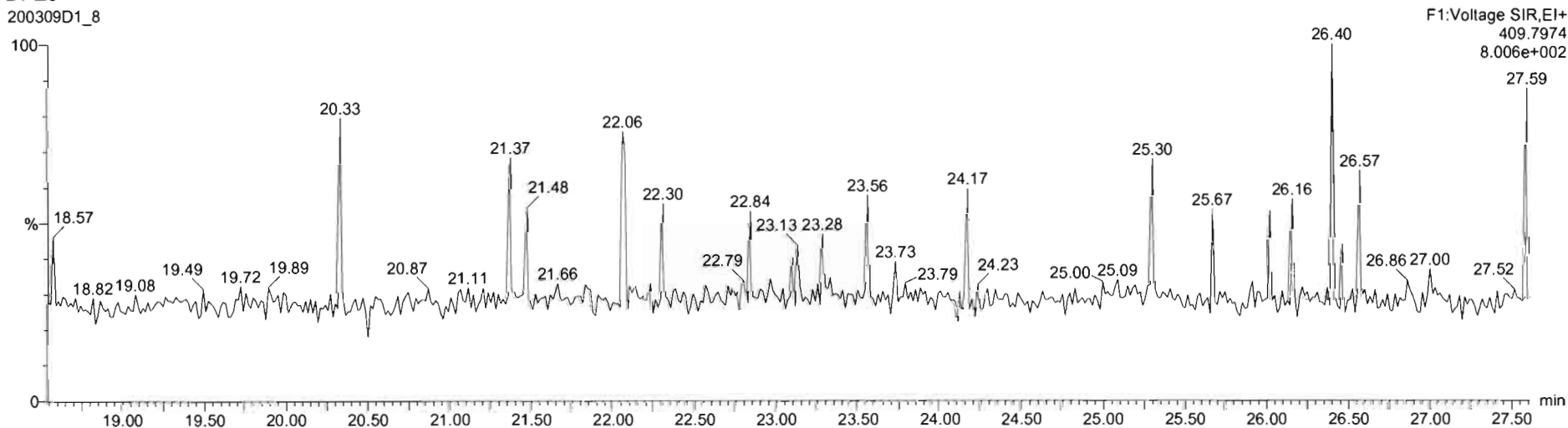


200309D1_8



DPE6

200309D1_8



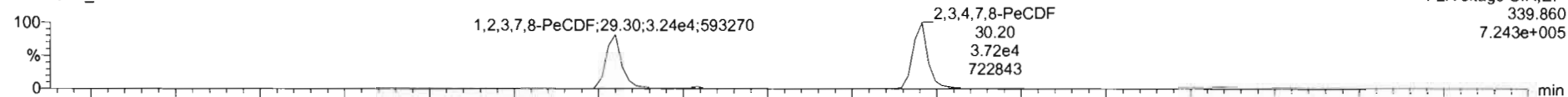
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

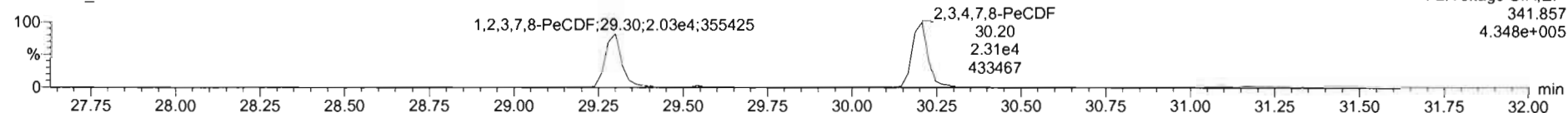
1,2,3,7,8-PeCDF

200309D1_8



F2:Voltage SIR,EI+
339.860
7.243e+005

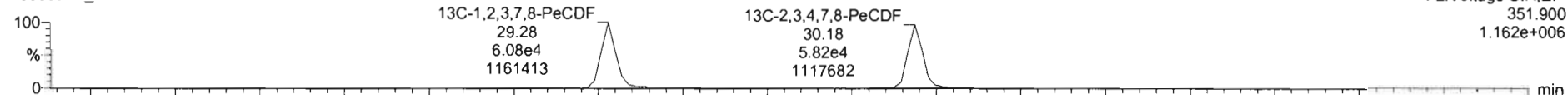
200309D1_8



F2:Voltage SIR,EI+
341.857
4.348e+005

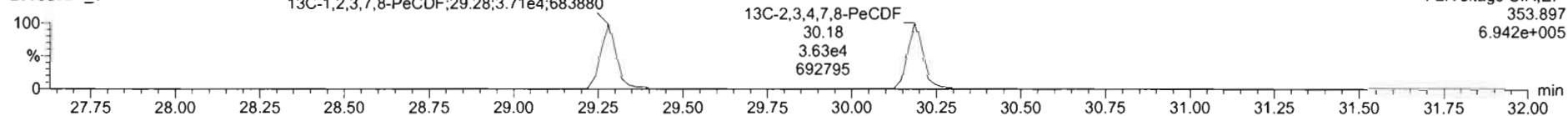
13C-1,2,3,7,8-PeCDF

200309D1_8



F2:Voltage SIR,EI+
351.900
1.162e+006

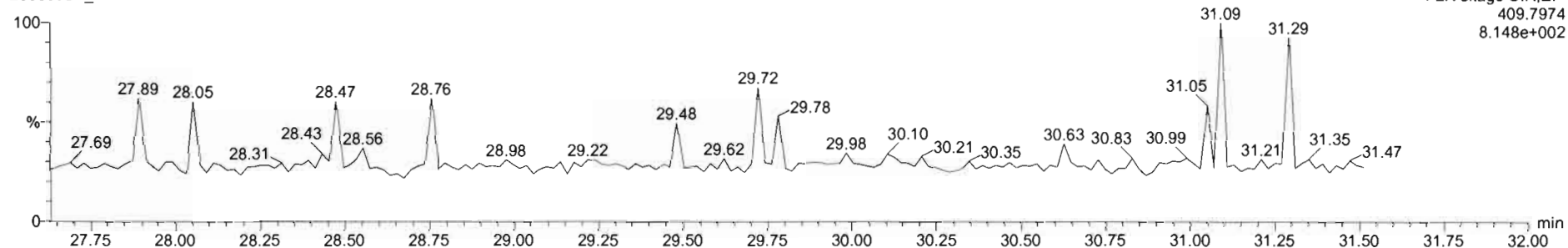
200309D1_8



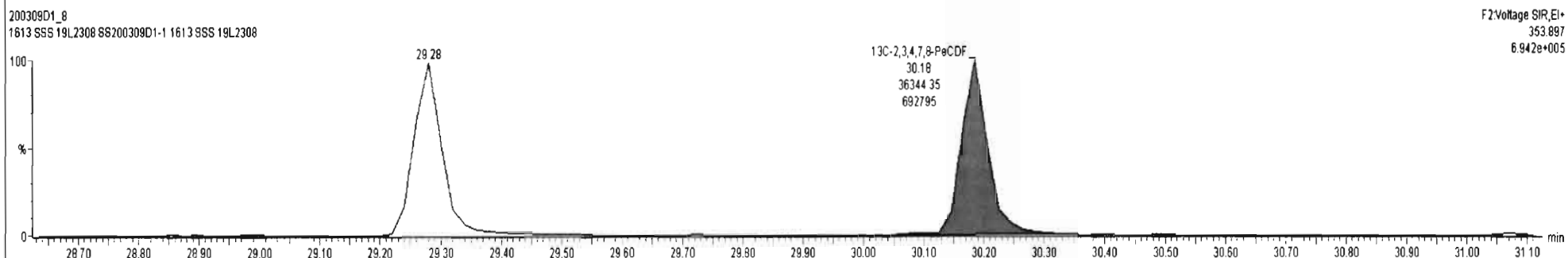
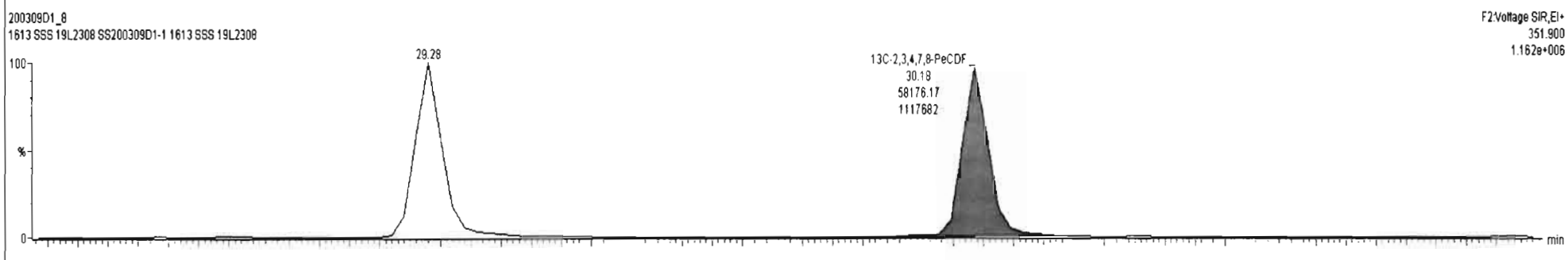
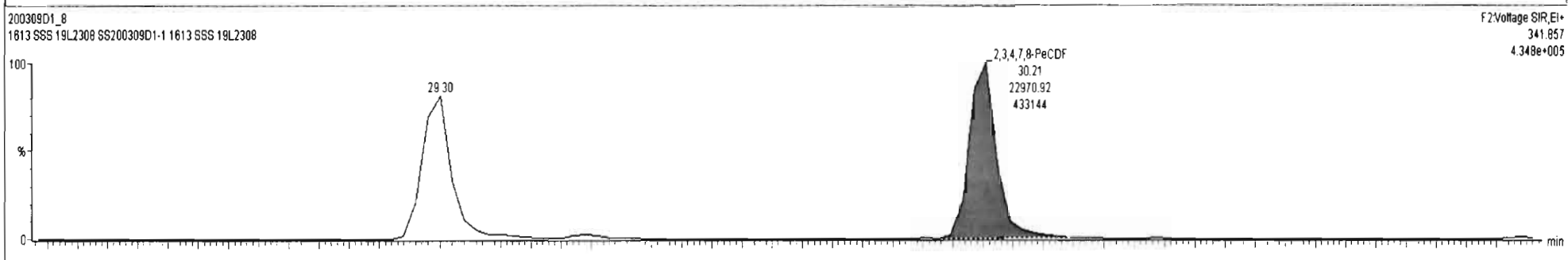
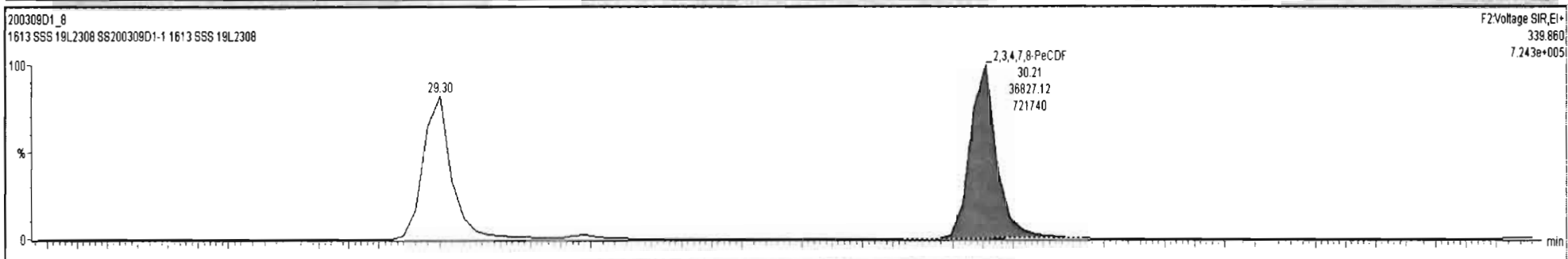
F2:Voltage SIR,EI+
353.897
6.942e+005

DPE2

200309D1_8



F2:Voltage SIR,EI+
409.7974
8.148e+002

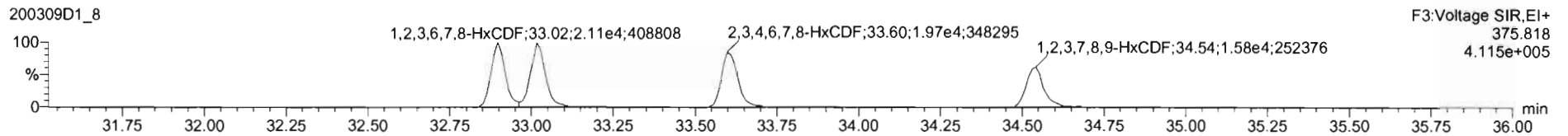
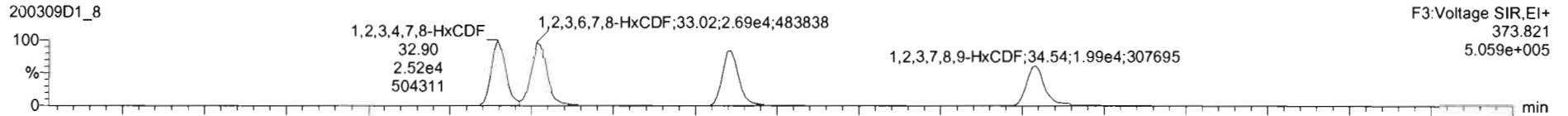


Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

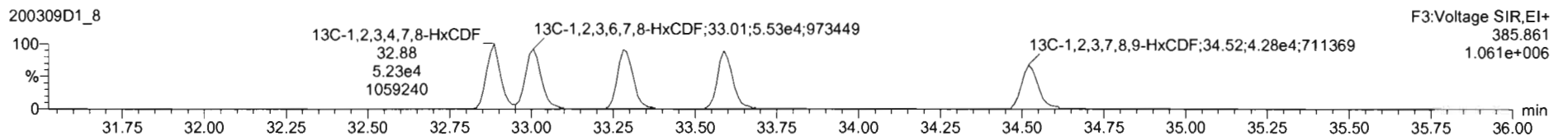
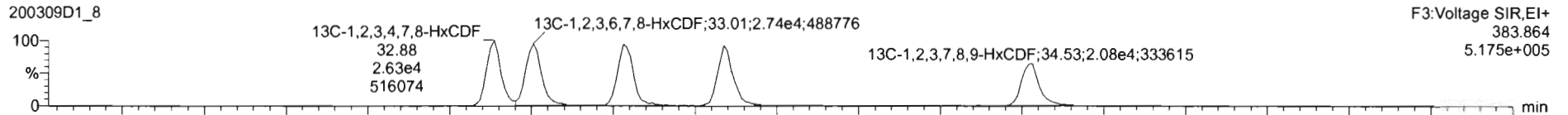
Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

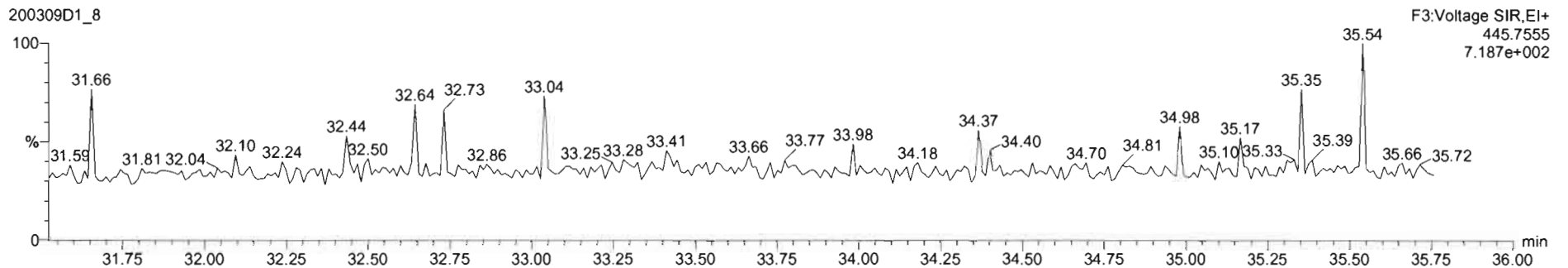
1,2,3,4,7,8-HxCDF



13C-1,2,3,4,7,8-HxCDF



DPE3



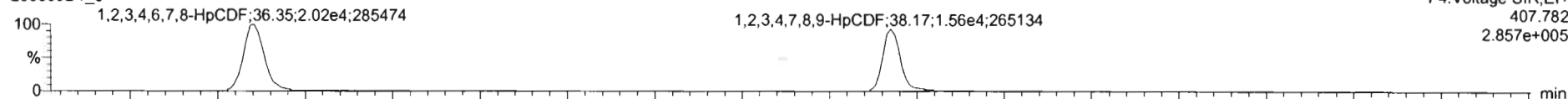
Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

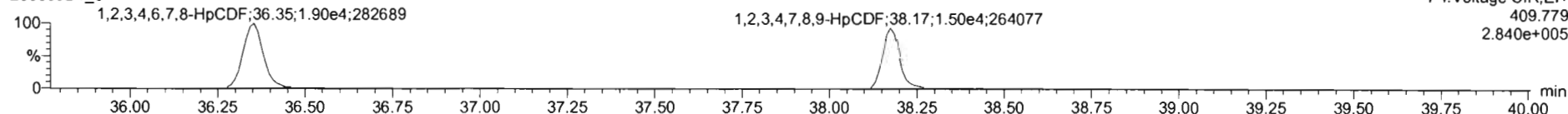
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1,2,3,4,6,7,8-HpCDF

200309D1_8

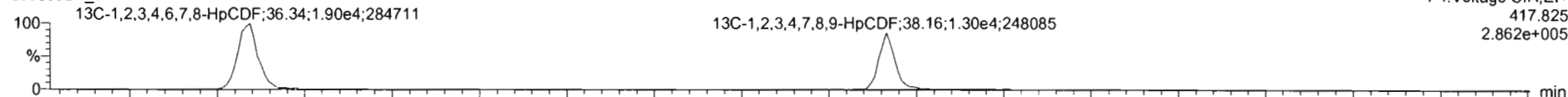


200309D1_8

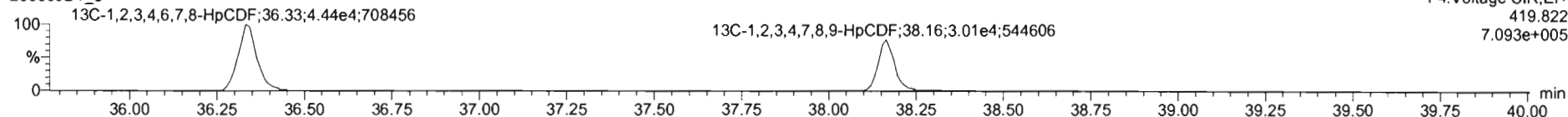


13C-1,2,3,4,6,7,8-HpCDF

200309D1_8

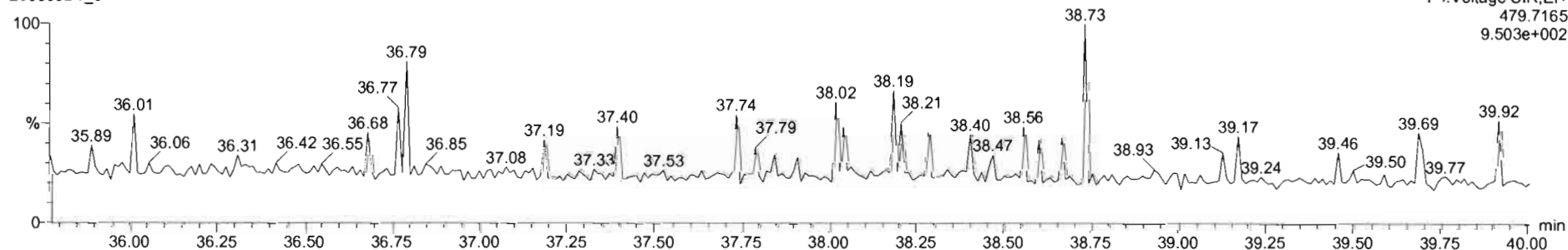


200309D1_8



DPE4

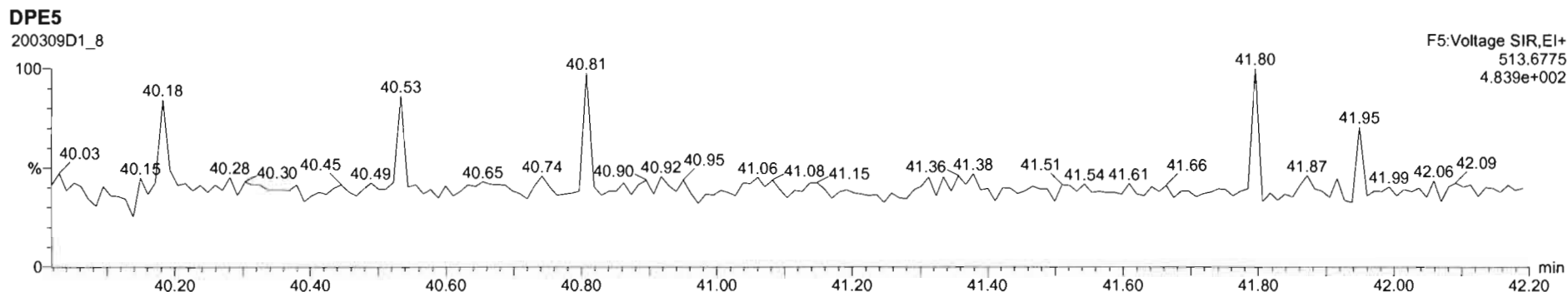
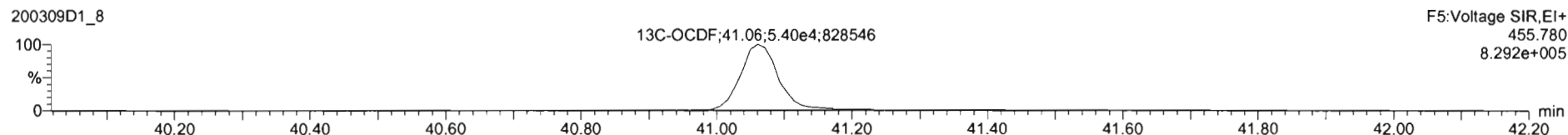
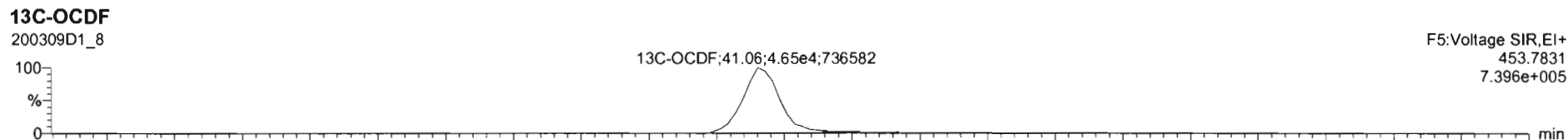
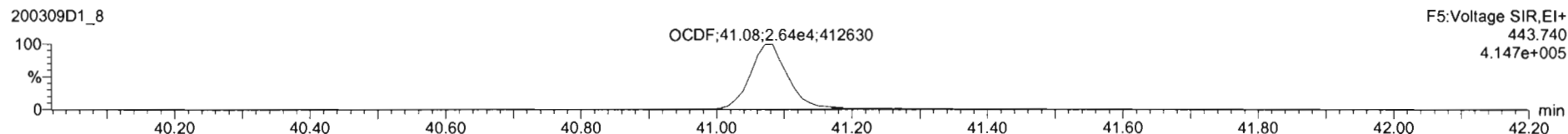
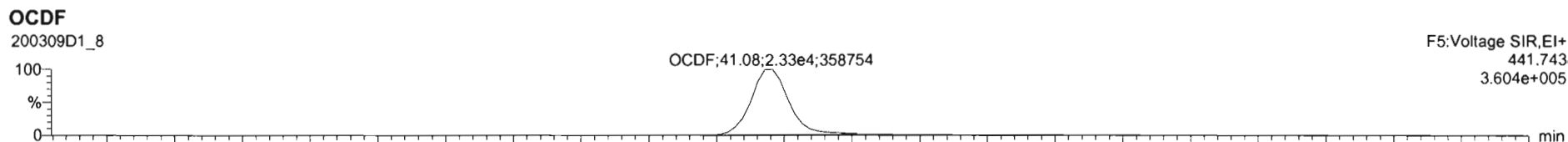
200309D1_8



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

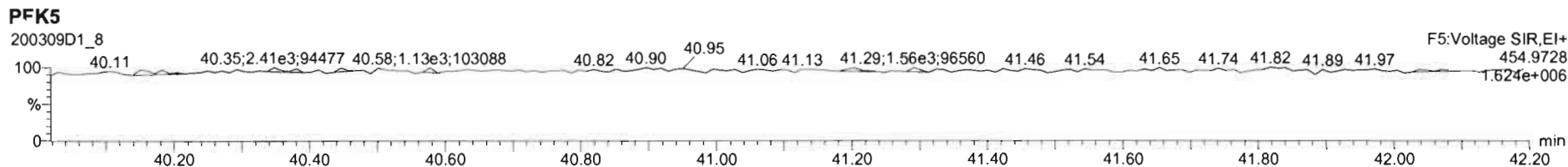
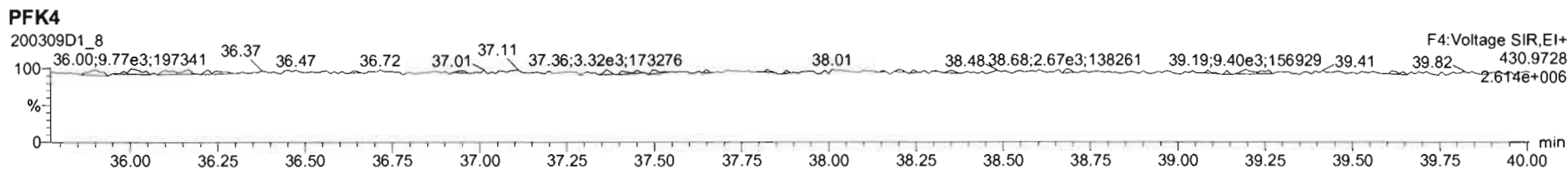
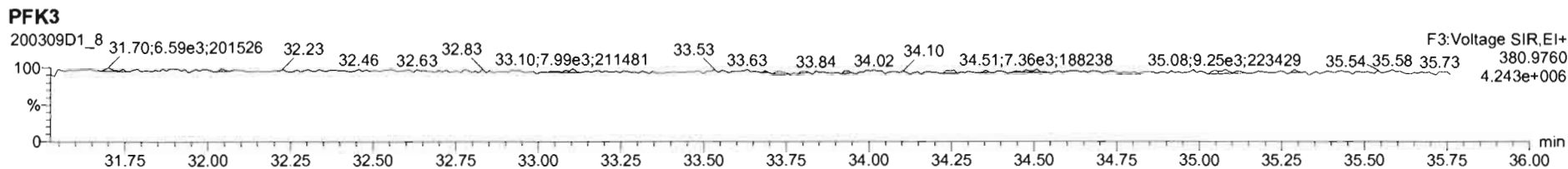
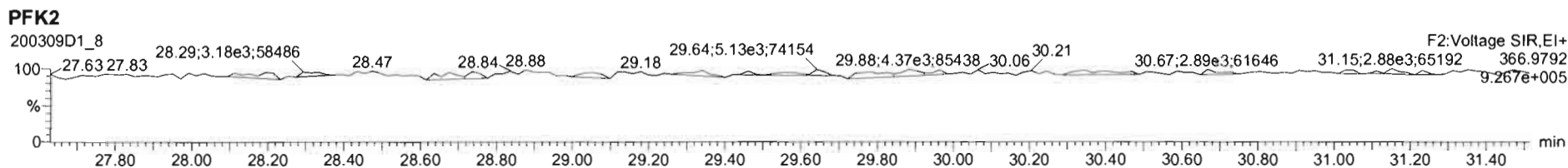
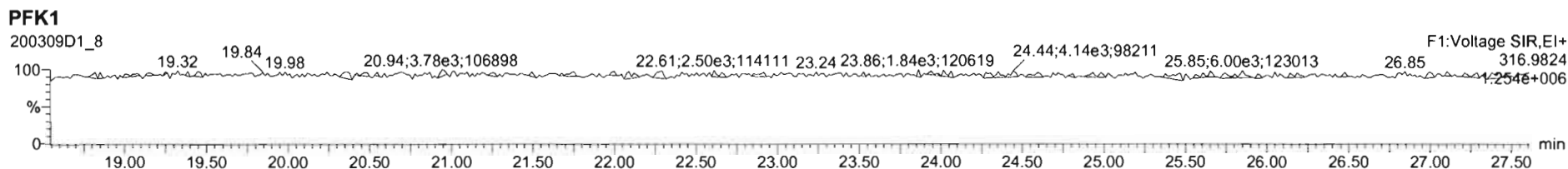
Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



Dataset: U:\VG7.PRO\Results\200309D1\200309D1_8.qld

Last Altered: Tuesday, March 10, 2020 09:46:21 Pacific Daylight Time
Printed: Tuesday, March 10, 2020 09:53:02 Pacific Daylight Time

Name: 200309D1_8, Date: 09-Mar-2020, Time: 17:43:01, ID: SS200309D1-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time
 Printed: Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

DB 5/27/20 *0705/27/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
 Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Compound name: 2,3,7,8-TCDD

Response Factor: 0.986442
 RRF SD: 0.13547, Relative SD: 13.7332
 Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	0.250	0.87	NO	26.16	1.001	2.84e2	1.15e5	0.251	0.3	0.990	MM
2	200526D2_3	0.500	0.86	NO	26.19	1.001	6.01e2	1.13e5	0.540	8.1	1.07	bb
3	200526D2_4	2.00	0.78	NO	26.17	1.001	1.98e3	1.21e5	1.66	-16.8	0.820	bb
4	200526D2_5	10.0	0.82	NO	26.19	1.001	1.00e4	1.15e5	8.86	-11.4	0.874	db
5	200526D2_6	40.0	0.80	NO	26.19	1.001	4.74e4	1.22e5	39.4	-1.6	0.970	bb
6	200526D2_7	300	0.80	NO	26.19	1.001	3.68e5	1.02e5	364	21.5	1.20	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.963666
 RRF SD: 0.129338, Relative SD: 13.4215
 Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	0.63	NO	30.61	1.000	8.84e2	8.06e4	1.14	-9.0	0.877	bb
2	200526D2_3	2.50	0.67	NO	30.63	1.001	2.07e3	8.18e4	2.63	5.2	1.01	bb
3	200526D2_4	10.0	0.61	NO	30.63	1.001	7.46e3	8.84e4	8.76	-12.4	0.844	bb
4	200526D2_5	50.0	0.62	NO	30.63	1.001	3.66e4	8.41e4	45.2	-9.6	0.871	bb
5	200526D2_6	200	0.62	NO	30.63	1.001	1.76e5	8.91e4	205	2.6	0.988	bb
6	200526D2_7	1500	0.63	NO	30.63	1.000	1.40e6	7.85e4	1850	23.2	1.19	bb

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Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time

Printed: Wednesday, May 27, 2020 11:54:01 Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.16246

RRF SD: 0.166976, Relative SD: 14.364

Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.27	NO	33.95	1.001	7.92e2	6.23e4	1.09	-12.5	1.02	bd
2	200526D2_3	2.50	1.28	NO	33.94	1.000	1.90e3	6.18e4	2.64	5.4	1.23	bd
3	200526D2_4	10.0	1.21	NO	33.95	1.000	6.57e3	6.66e4	8.48	-15.2	0.986	bd
4	200526D2_5	50.0	1.26	NO	33.95	1.000	3.52e4	6.49e4	46.6	-6.7	1.08	bd
5	200526D2_6	200	1.25	NO	33.95	1.000	1.72e5	7.00e4	212	5.8	1.23	bd
6	200526D2_7	1500	1.25	NO	33.96	1.000	1.43e6	6.66e4	1850	23.2	1.43	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 1.00759

RRF SD: 0.120605, Relative SD: 11.9697

Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.12	NO	34.05	1.000	8.39e2	7.10e4	1.17	-6.1	0.946	db
2	200526D2_3	2.50	1.30	NO	34.06	1.000	1.99e3	7.22e4	2.73	9.2	1.10	db
3	200526D2_4	10.0	1.22	NO	34.06	1.001	6.99e3	7.92e4	8.76	-12.4	0.883	db
4	200526D2_5	50.0	1.29	NO	34.06	1.001	3.48e4	7.68e4	44.9	-10.2	0.905	db
5	200526D2_6	200	1.25	NO	34.06	1.000	1.70e5	8.35e4	202	1.0	1.02	db
6	200526D2_7	1500	1.23	NO	34.07	1.000	1.38e6	7.72e4	1780	18.4	1.19	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 1.00838

RRF SD: 0.138343, Relative SD: 13.7193

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.26	NO	34.37	1.001	7.73e2	6.94e4	1.10	-11.7	0.890	bb
2	200526D2_3	2.50	1.15	NO	34.34	1.000	2.00e3	7.14e4	2.78	11.2	1.12	bb

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Compound name: 1,2,3,7,8,9-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	10.0	1.24	NO	34.36	1.000	6.73e3	7.54e4	8.84	-11.6	0.892	bb
4	200526D2_5	50.0	1.26	NO	34.36	1.000	3.36e4	7.47e4	44.6	-10.7	0.900	bb
5	200526D2_6	200	1.26	NO	34.36	1.000	1.67e5	8.10e4	204	2.2	1.03	bb
6	200526D2_7	1500	1.24	NO	34.37	1.000	1.39e6	7.61e4	1810	20.6	1.22	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 0.996525

RRF SD: 0.136501, Relative SD: 13.6977

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Fresp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.15	NO	37.78	1.000	6.60e2	5.48e4	1.21	-3.3	0.963	bb
2	200526D2_3	2.50	0.96	NO	37.79	1.000	1.56e3	5.77e4	2.71	8.6	1.08	bb
3	200526D2_4	10.0	1.16	NO	37.79	1.000	5.03e3	5.98e4	8.44	-15.6	0.841	bb
4	200526D2_5	50.0	1.03	NO	37.79	1.000	2.77e4	6.34e4	43.9	-12.2	0.875	bd
5	200526D2_6	200	1.01	NO	37.79	1.000	1.37e5	6.79e4	202	1.1	1.01	bb
6	200526D2_7	1500	1.03	NO	37.80	1.000	1.16e6	6.37e4	1820	21.4	1.21	bb

Compound name: OCDD

Response Factor: 1.01327

RRF SD: 0.124347, Relative SD: 12.2718

Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	2.50	0.88	NO	41.07	1.000	1.13e3	1.01e5	2.21	-11.8	0.894	MM
2	200526D2_3	5.00	0.83	NO	41.09	1.000	2.77e3	1.05e5	5.22	4.3	1.06	bd
3	200526D2_4	20.0	0.87	NO	41.09	1.000	9.83e3	1.09e5	17.7	-11.4	0.897	bd
4	200526D2_5	100	0.89	NO	41.09	1.000	5.26e4	1.13e5	92.2	-7.8	0.934	bd
5	200526D2_6	400	0.87	NO	41.10	1.001	2.65e5	1.20e5	434	8.6	1.10	bd
6	200526D2_7	3000	0.89	NO	41.12	1.000	2.27e6	1.27e5	3540	18.2	1.20	bb

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Compound name: 2,3,7,8-TCDF

Response Factor: 0.833401

RRF SD: 0.120463, Relative SD: 14.4544

Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	0.250	0.88	NO	25.39	1.001	3.10e2	1.74e5	0.214	-14.3	0.714	bb
2	200526D2_3	0.500	0.67	NO	25.39	1.000	7.87e2	1.69e5	0.558	11.6	0.930	bb
3	200526D2_4	2.00	0.69	NO	25.42	1.001	2.82e3	1.83e5	1.85	-7.3	0.772	bb
4	200526D2_5	10.0	0.75	NO	25.41	1.001	1.34e4	1.83e5	8.77	-12.3	0.731	bb
5	200526D2_6	40.0	0.75	NO	25.42	1.001	6.45e4	1.93e5	40.0	0.0	0.833	bb
6	200526D2_7	300	0.77	NO	25.42	1.001	5.10e5	1.67e5	367	22.4	1.02	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.964878

RRF SD: 0.13273, Relative SD: 13.7562

Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.49	NO	29.44	1.000	1.40e3	1.35e5	1.07	-14.1	0.829	bb
2	200526D2_3	2.50	1.57	NO	29.46	1.001	3.25e3	1.31e5	2.58	3.3	0.997	bb
3	200526D2_4	10.0	1.58	NO	29.46	1.001	1.19e4	1.42e5	8.69	-13.1	0.838	bd
4	200526D2_5	50.0	1.57	NO	29.46	1.001	6.36e4	1.39e5	47.4	-5.2	0.915	bb
5	200526D2_6	200	1.59	NO	29.46	1.000	3.04e5	1.47e5	214	7.0	1.03	bb
6	200526D2_7	1500	1.58	NO	29.48	1.001	2.35e6	1.33e5	1830	22.1	1.18	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.00958

RRF SD: 0.125614, Relative SD: 12.4421

Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.77	NO	30.33	1.000	1.52e3	1.28e5	1.17	-6.2	0.947	MM
2	200526D2_3	2.50	1.76	NO	30.35	1.001	3.23e3	1.24e5	2.58	3.3	1.04	bb

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Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	10.0	1.67	NO	30.35	1.001	1.19e4	1.40e5	8.42	-15.8	0.850	bb
4	200526D2_5	50.0	1.58	NO	30.35	1.001	6.33e4	1.33e5	47.2	-5.5	0.954	bb
5	200526D2_6	200	1.59	NO	30.35	1.001	3.00e5	1.44e5	207	3.3	1.04	bb
6	200526D2_7	1500	1.57	NO	30.35	1.000	2.35e6	1.29e5	1810	20.9	1.22	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 1.09486
 RRF SD: 0.132448, Relative SD: 12.0973
 Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.40	NO	33.04	1.000	1.15e3	9.20e4	1.14	-8.7	1.00	bd
2	200526D2_3	2.50	1.30	NO	33.05	1.000	2.67e3	9.26e4	2.63	5.3	1.15	bd
3	200526D2_4	10.0	1.20	NO	33.05	1.000	9.98e3	1.02e5	8.93	-10.7	0.977	bd
4	200526D2_5	50.0	1.27	NO	33.05	1.000	4.90e4	1.00e5	44.7	-10.5	0.980	bd
5	200526D2_6	200	1.26	NO	33.05	1.000	2.51e5	1.09e5	211	5.3	1.15	dd
6	200526D2_7	1500	1.25	NO	33.06	1.000	1.98e6	1.01e5	1790	19.4	1.31	dd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.06552
 RRF SD: 0.142006, Relative SD: 13.3275
 Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.13	NO	33.17	1.000	1.12e3	9.80e4	1.07	-14.3	0.913	db
2	200526D2_3	2.50	1.24	NO	33.18	1.000	2.72e3	9.78e4	2.61	4.4	1.11	db
3	200526D2_4	10.0	1.28	NO	33.18	1.001	1.01e4	1.06e5	8.96	-10.4	0.954	db
4	200526D2_5	50.0	1.24	NO	33.18	1.001	5.13e4	1.04e5	46.1	-7.8	0.982	db
5	200526D2_6	200	1.26	NO	33.18	1.000	2.59e5	1.14e5	214	7.0	1.14	db
6	200526D2_7	1500	1.25	NO	33.19	1.001	2.01e6	1.04e5	1820	21.1	1.29	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.15441

RRF SD: 0.159568, Relative SD: 13.8224

Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.33	NO	33.77	1.001	1.11e3	8.65e4	1.12	-10.8	1.03	bb
2	200526D2_3	2.50	1.26	NO	33.79	1.001	2.72e3	8.89e4	2.65	6.0	1.22	bb
3	200526D2_4	10.0	1.23	NO	33.77	1.000	9.76e3	9.72e4	8.69	-13.1	1.00	bb
4	200526D2_5	50.0	1.25	NO	33.79	1.001	5.01e4	9.79e4	44.4	-11.3	1.02	bb
5	200526D2_6	200	1.26	NO	33.77	1.000	2.53e5	1.01e5	217	8.3	1.25	bb
6	200526D2_7	1500	1.25	NO	33.79	1.000	2.03e6	9.68e4	1810	20.9	1.40	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 1.11431

RRF SD: 0.13751, Relative SD: 12.3403

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.17	NO	34.73	1.000	9.51e2	7.27e4	1.17	-6.1	1.05	bb
2	200526D2_3	2.50	1.32	NO	34.74	1.000	2.35e3	7.77e4	2.72	8.7	1.21	bb
3	200526D2_4	10.0	1.26	NO	34.74	1.001	8.16e3	8.28e4	8.84	-11.6	0.985	bb
4	200526D2_5	50.0	1.27	NO	34.74	1.000	4.08e4	8.50e4	43.0	-14.0	0.958	bb
5	200526D2_6	200	1.30	NO	34.74	1.000	2.06e5	8.72e4	213	6.3	1.18	bb
6	200526D2_7	1500	1.26	NO	34.75	1.001	1.69e6	8.66e4	1750	16.7	1.30	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.15744

RRF SD: 0.161839, Relative SD: 13.9825

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	1.02	NO	36.59	1.000	8.87e2	6.85e4	1.12	-10.5	1.04	bb
2	200526D2_3	2.50	1.00	NO	36.61	1.001	2.17e3	6.95e4	2.70	8.2	1.25	bb

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Compound name: 1,2,3,4,6,7,8-HpCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	10.0	1.03	NO	36.59	1.000	7.62e3	7.52e4	8.76	-12.4	1.01	bb
4	200526D2_5	50.0	1.03	NO	36.61	1.001	3.96e4	7.76e4	44.2	-11.7	1.02	bb
5	200526D2_6	200	1.04	NO	36.61	1.000	1.97e5	8.15e4	209	4.3	1.21	bb
6	200526D2_7	1500	1.02	NO	36.62	1.001	1.65e6	7.78e4	1830	22.2	1.41	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.34996

RRF SD: 0.206408, Relative SD: 15.2899

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	1.25	0.99	NO	38.34	1.001	6.79e2	4.95e4	1.02	-18.7	1.10	bb
2	200526D2_3	2.50	1.07	NO	38.34	1.000	1.93e3	5.07e4	2.81	12.5	1.52	bb
3	200526D2_4	10.0	0.93	NO	38.34	1.000	6.48e3	5.43e4	8.84	-11.6	1.19	bb
4	200526D2_5	50.0	1.02	NO	38.34	1.001	3.49e4	5.65e4	45.8	-8.4	1.24	bb
5	200526D2_6	200	1.03	NO	38.34	1.000	1.72e5	6.06e4	211	5.4	1.42	bb
6	200526D2_7	1500	1.02	NO	38.34	1.000	1.48e6	6.04e4	1810	20.7	1.63	bb

Compound name: OCDF

Response Factor: 0.94897

RRF SD: 0.11777, Relative SD: 12.4103

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	2.50	0.88	NO	41.31	1.000	1.33e3	1.17e5	2.39	-4.4	0.907	bb
2	200526D2_3	5.00	0.90	NO	41.33	1.001	3.26e3	1.25e5	5.47	9.5	1.04	bb
3	200526D2_4	20.0	0.86	NO	41.32	1.001	1.08e4	1.37e5	16.6	-17.0	0.788	bb
4	200526D2_5	100	0.94	NO	41.31	1.000	5.99e4	1.39e5	90.9	-9.1	0.862	bd
5	200526D2_6	400	0.90	NO	41.32	1.000	3.09e5	1.55e5	419	4.7	0.994	bb
6	200526D2_7	3000	0.89	NO	41.33	1.000	2.67e6	1.61e5	3490	16.3	1.10	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.25927
 RRF SD: 0.0242426, Relative SD: 1.92513
 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.80	NO	26.14	1.022	1.15e5	9.16e4	99.4	-0.6	1.25	bb
2	200526D2_3	100	0.81	NO	26.16	1.021	1.13e5	8.84e4	101	1.2	1.27	bb
3	200526D2_4	100	0.79	NO	26.16	1.021	1.21e5	9.44e4	102	1.5	1.28	bb
4	200526D2_5	100	0.78	NO	26.16	1.021	1.15e5	9.24e4	98.8	-1.2	1.24	bb
5	200526D2_6	100	0.78	NO	26.17	1.022	1.22e5	9.49e4	102	2.1	1.29	bb
6	200526D2_7	100	0.78	NO	26.17	1.022	1.02e5	8.37e4	97.1	-2.9	1.22	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.921299
 RRF SD: 0.0229711, Relative SD: 2.49334
 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.63	NO	30.61	1.196	8.06e4	9.16e4	95.5	-4.5	0.880	bb
2	200526D2_3	100	0.62	NO	30.61	1.195	8.18e4	8.84e4	100	0.4	0.925	bb
3	200526D2_4	100	0.61	NO	30.61	1.195	8.84e4	9.44e4	102	1.7	0.937	bb
4	200526D2_5	100	0.63	NO	30.61	1.195	8.41e4	9.24e4	98.8	-1.2	0.910	bb
5	200526D2_6	100	0.62	NO	30.61	1.195	8.91e4	9.49e4	102	1.8	0.938	bb
6	200526D2_7	100	0.62	NO	30.63	1.196	7.85e4	8.37e4	102	1.8	0.938	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.707189
 RRF SD: 0.0212274, Relative SD: 3.00166
 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.37	NO	33.93	1.014	6.23e4	8.64e4	102	1.9	0.721	bd
2	200526D2_3	100	1.35	NO	33.94	1.014	6.18e4	8.85e4	98.8	-1.2	0.699	bd

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Compound name: 13C-1,2,3,4,7,8-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	100	1.30	NO	33.94	1.015	6.66e4	9.66e4	97.5	-2.5	0.689	bd
4	200526D2_5	100	1.33	NO	33.94	1.014	6.49e4	9.47e4	96.9	-3.1	0.685	bd
5	200526D2_6	100	1.27	NO	33.94	1.014	7.00e4	9.90e4	100	0.0	0.707	bd
6	200526D2_7	100	1.32	NO	33.95	1.014	6.66e4	8.98e4	105	4.9	0.742	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.828565

RRF SD: 0.0188377, Relative SD: 2.27353

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.30	NO	34.04	1.018	7.10e4	8.64e4	99.2	-0.8	0.822	db
2	200526D2_3	100	1.29	NO	34.05	1.018	7.22e4	8.85e4	98.4	-1.6	0.816	db
3	200526D2_4	100	1.32	NO	34.04	1.018	7.92e4	9.66e4	98.9	-1.1	0.820	db
4	200526D2_5	100	1.35	NO	34.04	1.017	7.68e4	9.47e4	97.9	-2.1	0.812	db
5	200526D2_6	100	1.35	NO	34.05	1.018	8.35e4	9.90e4	102	1.8	0.843	db
6	200526D2_7	100	1.33	NO	34.06	1.018	7.72e4	8.98e4	104	3.8	0.860	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.807923

RRF SD: 0.0238515, Relative SD: 2.95219

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.27	NO	34.33	1.027	6.94e4	8.64e4	99.5	-0.5	0.804	bb
2	200526D2_3	100	1.30	NO	34.34	1.027	7.14e4	8.85e4	99.8	-0.2	0.806	bb
3	200526D2_4	100	1.32	NO	34.34	1.027	7.54e4	9.66e4	96.6	-3.4	0.781	bb
4	200526D2_5	100	1.30	NO	34.34	1.027	7.47e4	9.47e4	97.7	-2.3	0.790	bd
5	200526D2_6	100	1.33	NO	34.34	1.027	8.10e4	9.90e4	101	1.4	0.819	bd
6	200526D2_7	100	1.28	NO	34.36	1.027	7.61e4	8.98e4	105	5.0	0.848	bb

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Compound name: 13C-1,2,3,4,6,7,8-HpCDD

Response Factor: 0.661788

RRF SD: 0.0338299, Relative SD: 5.11189

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.03	NO	37.78	1.130	5.48e4	8.64e4	95.8	-4.2	0.634	bb
2	200526D2_3	100	1.07	NO	37.79	1.130	5.77e4	8.85e4	98.5	-1.5	0.652	bd
3	200526D2_4	100	1.09	NO	37.78	1.130	5.98e4	9.66e4	93.5	-6.5	0.619	bd
4	200526D2_5	100	1.05	NO	37.78	1.129	6.34e4	9.47e4	101	1.2	0.669	bd
5	200526D2_6	100	1.08	NO	37.78	1.129	6.79e4	9.90e4	104	3.7	0.687	bd
6	200526D2_7	100	1.02	NO	37.79	1.129	6.37e4	8.98e4	107	7.3	0.710	bb

Compound name: 13C-OCDD

Response Factor: 0.608407

RRF SD: 0.049423, Relative SD: 8.12335

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	200	0.90	NO	41.07	1.228	1.01e5	8.64e4	192	-4.0	0.584	bd
2	200526D2_3	200	0.91	NO	41.08	1.228	1.05e5	8.85e4	194	-2.8	0.591	bd
3	200526D2_4	200	0.90	NO	41.08	1.228	1.09e5	9.66e4	186	-6.9	0.567	bb
4	200526D2_5	200	0.91	NO	41.08	1.228	1.13e5	9.47e4	196	-2.2	0.595	bb
5	200526D2_6	200	0.88	NO	41.08	1.228	1.20e5	9.90e4	200	-0.1	0.608	bb
6	200526D2_7	200	0.90	NO	41.10	1.228	1.27e5	8.98e4	232	15.9	0.705	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.06769

RRF SD: 0.0327362, Relative SD: 3.06607

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.81	NO	25.38	0.992	1.74e5	1.63e5	99.9	-0.1	1.07	bb
2	200526D2_3	100	0.80	NO	25.39	0.992	1.69e5	1.56e5	102	1.7	1.09	bb

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Compound name: 13C-2,3,7,8-TCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	100	0.77	NO	25.39	0.991	1.83e5	1.74e5	98.6	-1.4	1.05	bb
4	200526D2_5	100	0.82	NO	25.39	0.992	1.83e5	1.66e5	103	3.3	1.10	bd
5	200526D2_6	100	0.79	NO	25.39	0.992	1.93e5	1.78e5	102	1.7	1.09	bb
6	200526D2_7	100	0.79	NO	25.39	0.992	1.67e5	1.65e5	94.7	-5.3	1.01	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.825913

RRF SD: 0.0132817, Relative SD: 1.60813

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.69	NO	29.44	1.150	1.35e5	1.63e5	101	0.5	0.830	bb
2	200526D2_3	100	1.61	NO	29.44	1.150	1.31e5	1.56e5	101	1.4	0.837	bb
3	200526D2_4	100	1.66	NO	29.44	1.149	1.42e5	1.74e5	98.7	-1.3	0.815	bb
4	200526D2_5	100	1.67	NO	29.44	1.150	1.39e5	1.66e5	102	1.7	0.840	bb
5	200526D2_6	100	1.78	NO	29.46	1.151	1.47e5	1.78e5	100	0.2	0.828	MM
6	200526D2_7	100	1.61	NO	29.46	1.151	1.33e5	1.65e5	97.5	-2.5	0.805	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.795997

RRF SD: 0.0108298, Relative SD: 1.36054

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	1.71	NO	30.33	1.185	1.28e5	1.63e5	98.9	-1.1	0.787	bb
2	200526D2_3	100	1.61	NO	30.33	1.184	1.24e5	1.56e5	99.8	-0.2	0.795	bb
3	200526D2_4	100	1.68	NO	30.33	1.184	1.40e5	1.74e5	101	1.1	0.804	bb
4	200526D2_5	100	1.69	NO	30.33	1.184	1.33e5	1.66e5	101	0.6	0.801	bb
5	200526D2_6	100	1.64	NO	30.33	1.184	1.44e5	1.78e5	102	1.6	0.809	bb
6	200526D2_7	100	1.68	NO	30.35	1.185	1.29e5	1.65e5	98.0	-2.0	0.780	bb

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.07518

RRF SD: 0.0306015, Relative SD: 2.84619

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	33.03	0.988	9.20e4	8.64e4	99.1	-0.9	1.07	bd
2	200526D2_3	100	0.49	NO	33.04	0.988	9.26e4	8.85e4	97.3	-2.7	1.05	bd
3	200526D2_4	100	0.50	NO	33.04	0.988	1.02e5	9.66e4	98.2	-1.8	1.06	bd
4	200526D2_5	100	0.48	NO	33.04	0.988	1.00e5	9.47e4	98.3	-1.7	1.06	bd
5	200526D2_6	100	0.50	NO	33.04	0.988	1.09e5	9.90e4	102	2.5	1.10	bd
6	200526D2_7	100	0.51	NO	33.05	0.988	1.01e5	8.98e4	105	4.5	1.12	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.12454

RRF SD: 0.0257818, Relative SD: 2.29265

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	33.16	0.991	9.80e4	8.64e4	101	0.9	1.14	db
2	200526D2_3	100	0.49	NO	33.17	0.991	9.78e4	8.85e4	98.2	-1.8	1.10	db
3	200526D2_4	100	0.49	NO	33.16	0.991	1.06e5	9.66e4	97.6	-2.4	1.10	db
4	200526D2_5	100	0.50	NO	33.16	0.991	1.04e5	9.47e4	98.1	-1.9	1.10	db
5	200526D2_6	100	0.50	NO	33.17	0.991	1.14e5	9.90e4	102	2.2	1.15	db
6	200526D2_7	100	0.50	NO	33.17	0.991	1.04e5	8.98e4	103	2.9	1.16	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 1.02476

RRF SD: 0.0294028, Relative SD: 2.86925

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	33.75	1.009	8.65e4	8.64e4	97.7	-2.3	1.00	bb
2	200526D2_3	100	0.50	NO	33.76	1.009	8.89e4	8.85e4	98.0	-2.0	1.00	bb

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Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	100	0.50	NO	33.76	1.010	9.72e4	9.66e4	98.2	-1.8	1.01	bb
4	200526D2_5	100	0.51	NO	33.76	1.009	9.79e4	9.47e4	101	0.9	1.03	bb
5	200526D2_6	100	0.51	NO	33.76	1.009	1.01e5	9.90e4	99.9	-0.1	1.02	bb
6	200526D2_7	100	0.49	NO	33.77	1.009	9.68e4	8.98e4	105	5.3	1.08	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.886846

RRF SD: 0.0429436, Relative SD: 4.84229

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	34.72	1.038	7.27e4	8.64e4	95.0	-5.0	0.842	bd
2	200526D2_3	100	0.48	NO	34.73	1.038	7.77e4	8.85e4	98.9	-1.1	0.877	bb
3	200526D2_4	100	0.50	NO	34.72	1.038	8.28e4	9.66e4	96.7	-3.3	0.857	bb
4	200526D2_5	100	0.51	NO	34.73	1.038	8.50e4	9.47e4	101	1.3	0.898	bb
5	200526D2_6	100	0.49	NO	34.73	1.038	8.72e4	9.90e4	99.3	-0.7	0.881	bb
6	200526D2_7	100	0.49	NO	34.73	1.038	8.66e4	8.98e4	109	8.8	0.965	bb

Compound name: 13C-1,2,3,4,6,7,8-HpCDF

Response Factor: 0.810858

RRF SD: 0.0328072, Relative SD: 4.04598

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.46	NO	36.58	1.094	6.85e4	8.64e4	97.8	-2.2	0.793	bd
2	200526D2_3	100	0.43	NO	36.58	1.093	6.95e4	8.85e4	96.8	-3.2	0.785	bb
3	200526D2_4	100	0.42	NO	36.58	1.094	7.52e4	9.66e4	95.9	-4.1	0.778	bb
4	200526D2_5	100	0.43	NO	36.58	1.093	7.76e4	9.47e4	101	1.1	0.819	bb
5	200526D2_6	100	0.44	NO	36.59	1.094	8.15e4	9.90e4	102	1.5	0.823	bb
6	200526D2_7	100	0.44	NO	36.59	1.093	7.78e4	8.98e4	107	6.8	0.866	bb

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.598269

RRF SD: 0.0407134, Relative SD: 6.8052

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.44	NO	38.32	1.146	4.95e4	8.64e4	95.8	-4.2	0.573	bb
2	200526D2_3	100	0.41	NO	38.33	1.146	5.07e4	8.85e4	95.8	-4.2	0.573	bb
3	200526D2_4	100	0.44	NO	38.33	1.146	5.43e4	9.66e4	94.0	-6.0	0.562	bb
4	200526D2_5	100	0.43	NO	38.32	1.145	5.65e4	9.47e4	99.7	-0.3	0.596	bb
5	200526D2_6	100	0.41	NO	38.33	1.146	6.06e4	9.90e4	102	2.3	0.612	bb
6	200526D2_7	100	0.44	NO	38.34	1.146	6.04e4	8.98e4	112	12.4	0.673	bb

Compound name: 13C-OCDF

Response Factor: 0.752175

RRF SD: 0.0804491, Relative SD: 10.6955

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	200	0.92	NO	41.30	1.235	1.17e5	8.64e4	180	-10.0	0.677	bb
2	200526D2_3	200	0.91	NO	41.31	1.235	1.25e5	8.85e4	188	-5.9	0.708	bd
3	200526D2_4	200	0.88	NO	41.30	1.235	1.37e5	9.66e4	189	-5.6	0.710	bb
4	200526D2_5	200	0.89	NO	41.31	1.235	1.39e5	9.47e4	195	-2.4	0.734	bb
5	200526D2_6	200	0.88	NO	41.31	1.235	1.55e5	9.90e4	209	4.3	0.784	bb
6	200526D2_7	200	0.88	NO	41.32	1.235	1.61e5	8.98e4	239	19.6	0.899	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.24297

RRF SD: 0.0962716, Relative SD: 7.74527

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	0.250			26.16	1.022	2.84e2	9.16e4	0.249	-0.3	1.24	bb
2	200526D2_3	0.500			26.17	1.022	5.32e2	8.84e4	0.484	-3.2	1.20	bb

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Compound name: 37Cl-2,3,7,8-TCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	200526D2_4	2.00			26.19	1.022	2.19e3	9.44e4	1.87	-6.7	1.16	bb
4	200526D2_5	10.0			26.19	1.023	1.06e4	9.24e4	9.23	-7.7	1.15	bb
5	200526D2_6	40.0			26.19	1.023	4.98e4	9.49e4	42.2	5.5	1.31	bd
6	200526D2_7	200			26.19	1.023	2.34e5	8.37e4	225	12.5	1.40	bb

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.78	NO	25.59	1.000	9.16e4	9.16e4	100	0.0	1.00	bb
2	200526D2_3	100	0.80	NO	25.61	1.000	8.84e4	8.84e4	100	0.0	1.00	bb
3	200526D2_4	100	0.82	NO	25.62	1.000	9.44e4	9.44e4	100	0.0	1.00	bb
4	200526D2_5	100	0.78	NO	25.61	1.000	9.24e4	9.24e4	100	0.0	1.00	bb
5	200526D2_6	100	0.79	NO	25.61	1.000	9.49e4	9.49e4	100	0.0	1.00	bb
6	200526D2_7	100	0.81	NO	25.61	1.000	8.37e4	8.37e4	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.80	NO	24.20	1.000	1.63e5	1.63e5	100	0.0	1.00	bd
2	200526D2_3	100	0.81	NO	24.20	1.000	1.56e5	1.56e5	100	0.0	1.00	bb
3	200526D2_4	100	0.77	NO	24.22	1.000	1.74e5	1.74e5	100	0.0	1.00	bb
4	200526D2_5	100	0.81	NO	24.22	1.000	1.66e5	1.66e5	100	0.0	1.00	bb
5	200526D2_6	100	0.78	NO	24.22	1.000	1.78e5	1.78e5	100	0.0	1.00	bb
6	200526D2_7	100	0.79	NO	24.22	1.000	1.65e5	1.65e5	100	0.0	1.00	bb

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200526D2_2	100	0.50	NO	33.45	1.000	8.64e4	8.64e4	100	0.0	1.00	bb
2	200526D2_3	100	0.50	NO	33.46	1.000	8.85e4	8.85e4	100	0.0	1.00	bb
3	200526D2_4	100	0.50	NO	33.44	1.000	9.66e4	9.66e4	100	0.0	1.00	bb
4	200526D2_5	100	0.50	NO	33.46	1.000	9.47e4	9.47e4	100	0.0	1.00	bb
5	200526D2_6	100	0.50	NO	33.46	1.000	9.90e4	9.90e4	100	0.0	1.00	bb
6	200526D2_7	100	0.50	NO	33.47	1.000	8.98e4	8.98e4	100	0.0	1.00	bb

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24

Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200526D2_2, Date: 26-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.84e2	0.87	NO	0.986	1.000	26.174	26.16	1.001	1.001	0.25082	100	0.0587	0.251
2	2 1,2,3,7,8-PeCDD	8.84e2	0.63	NO	0.964	1.000	30.630	30.61	1.001	1.000	1.1376	91.0	0.0494	1.14
3	3 1,2,3,4,7,8-HxCDD	7.92e2	1.27	NO	1.16	1.000	33.938	33.95	1.000	1.001	1.0939	87.5	0.126	1.09
4	4 1,2,3,6,7,8-HxCDD	8.39e2	1.12	NO	1.01	1.000	34.038	34.05	1.000	1.000	1.1739	93.9	0.129	1.17
5	5 1,2,3,7,8,9-HxCDD	7.73e2	1.26	NO	1.01	1.000	34.368	34.37	1.001	1.001	1.1033	88.3	0.130	1.10
6	6 1,2,3,4,6,7,8-HpCDD	6.60e2	1.15	NO	0.997	1.000	37.791	37.78	1.000	1.000	1.2084	96.7	0.151	1.21
7	7 OCDD	1.13e3	0.88	NO	1.01	1.000	41.071	41.07	1.000	1.000	2.2052	88.2	0.279	2.21
8	8 2,3,7,8-TCDF	3.10e2	0.88	NO	0.833	1.000	25.403	25.39	1.001	1.001	0.21415	85.7	0.0357	0.214
9	9 1,2,3,7,8-PeCDF	1.40e3	1.49	NO	0.965	1.000	29.462	29.44	1.001	1.000	1.0737	85.9	0.0327	1.07
10	10 2,3,4,7,8-PeCDF	1.52e3	1.77	NO	1.01	1.000	30.357	30.33	1.001	1.000	1.1730	93.8	0.0340	1.17
11	11 1,2,3,4,7,8-HxCDF	1.15e3	1.40	NO	1.09	1.000	33.028	33.04	1.000	1.000	1.1416	91.3	0.0944	1.14
12	12 1,2,3,6,7,8-HxCDF	1.12e3	1.13	NO	1.07	1.000	33.170	33.17	1.000	1.000	1.0716	85.7	0.0977	1.07
13	13 2,3,4,6,7,8-HxCDF	1.11e3	1.33	NO	1.15	1.000	33.786	33.77	1.001	1.001	1.1153	89.2	0.104	1.12
14	14 1,2,3,7,8,9-HxCDF	9.51e2	1.17	NO	1.11	1.000	34.718	34.73	1.000	1.000	1.1738	93.9	0.140	1.17
15	15 1,2,3,4,6,7,8-HpCDF	8.87e2	1.02	NO	1.16	1.000	36.620	36.59	1.001	1.000	1.1182	89.5	0.0807	1.12
16	16 1,2,3,4,7,8,9-HpCDF	6.79e2	0.99	NO	1.35	1.000	38.317	38.34	1.000	1.001	1.0165	81.3	0.0850	1.02
17	17 OCDF	1.33e3	0.88	NO	0.949	1.000	41.302	41.31	1.000	1.000	2.3903	95.6	0.0950	2.39
18	18 13C-2,3,7,8-TCDD	1.15e5	0.80	NO	1.26	1.000	26.257	26.14	1.026	1.022	99.358	99.4	0.221	
19	19 13C-1,2,3,7,8-PeCDD	8.06e4	0.63	NO	0.921	1.000	30.761	30.61	1.202	1.196	95.518	95.5	0.333	
20	20 13C-1,2,3,4,7,8-HxCDD	6.23e4	1.37	NO	0.707	1.000	33.913	33.93	1.014	1.014	101.95	102	0.450	
21	21 13C-1,2,3,6,7,8-HxCDD	7.10e4	1.30	NO	0.829	1.000	34.024	34.04	1.017	1.018	99.157	99.2	0.384	
22	22 13C-1,2,3,7,8,9-HxCDD	6.94e4	1.27	NO	0.808	1.000	34.295	34.33	1.025	1.027	99.532	99.5	0.394	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.48e4	1.03	NO	0.662	1.000	37.760	37.78	1.129	1.130	95.829	95.8	0.569	
24	24 13C-OCDD	1.01e5	0.90	NO	0.608	1.000	40.783	41.07	1.219	1.228	192.09	96.0	0.500	
25	25 13C-2,3,7,8-TCDF	1.74e5	0.81	NO	1.07	1.000	25.336	25.38	0.990	0.992	99.942	99.9	0.244	
26	26 13C-1,2,3,7,8-PeCDF	1.35e5	1.69	NO	0.826	1.000	29.576	29.44	1.156	1.150	100.54	101	0.377	
27	27 13C-2,3,4,7,8-PeCDF	1.28e5	1.71	NO	0.796	1.000	30.480	30.33	1.191	1.185	98.865	98.9	0.391	
28	28 13C-1,2,3,4,7,8-HxCDF	9.20e4	0.50	NO	1.08	1.000	33.044	33.03	0.988	0.988	99.129	99.1	0.373	
29	29 13C-1,2,3,6,7,8-HxCDF	9.80e4	0.50	NO	1.12	1.000	33.178	33.16	0.992	0.991	100.94	101	0.357	
30	30 13C-2,3,4,6,7,8-HxCDF	8.65e4	0.50	NO	1.02	1.000	33.750	33.75	1.009	1.009	97.733	97.7	0.391	
31	31 13C-1,2,3,7,8,9-HxCDF	7.27e4	0.50	NO	0.887	1.000	34.649	34.72	1.036	1.038	94.955	95.0	0.452	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_2, Date: 26-May-2020, Time: 20:57:24, ID: ST200526D2-1 1613 CS0 20E0704, Description: 1613 CS0 20E0704

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.85e4	0.46	NO	0.811	1.000	36.355	36.58	1.087	1.094	97.849	97.8	0.526	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.95e4	0.44	NO	0.598	1.000	38.362	38.32	1.147	1.146	95.783	95.8	0.714	
34	34 13C-OCDF	1.17e5	0.92	NO	0.752	1.000	40.937	41.30	1.224	1.235	180.07	90.0	0.391	
35	35 37Cl-2,3,7,8-TCDD	2.84e2			1.24	1.000	26.254	26.16	1.026	1.022	0.24914	99.7	0.0830	
36	36 13C-1,2,3,4-TCDD	9.16e4	0.78	NO	1.00	1.000	25.480	25.59	1.000	1.000	100.00	100	0.279	
37	37 13C-1,2,3,4-TCDF	1.63e5	0.80	NO	1.00	1.000	24.020	24.20	1.000	1.000	100.00	100	0.261	
38	38 13C-1,2,3,4,6,9-HxCDF	8.64e4	0.50	NO	1.00	1.000	33.530	33.45	1.000	1.000	100.00	100	0.401	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	6.01e2	0.86	NO	0.986	1.000	26.189	26.19	1.001	1.001	0.54033	108	0.0499	0.540
2	2 1,2,3,7,8-PeCDD	2.07e3	0.67	NO	0.964	1.000	30.630	30.63	1.001	1.001	2.6312	105	0.0478	2.63
3	3 1,2,3,4,7,8-HxCDD	1.90e3	1.28	NO	1.16	1.000	33.949	33.94	1.000	1.000	2.6361	105	0.161	2.64
4	4 1,2,3,6,7,8-HxCDD	1.99e3	1.30	NO	1.01	1.000	34.049	34.06	1.000	1.000	2.7300	109	0.152	2.73
5	5 1,2,3,7,8,9-HxCDD	2.00e3	1.15	NO	1.01	1.000	34.379	34.34	1.001	1.000	2.7806	111	0.168	2.78
6	6 1,2,3,4,6,7,8-HpCDD	1.56e3	0.96	NO	0.997	1.000	37.802	37.79	1.000	1.000	2.7143	109	0.130	2.71
7	7 OCDD	2.77e3	0.83	NO	1.01	1.000	41.082	41.09	1.000	1.000	5.2154	104	0.0861	5.22
8	8 2,3,7,8-TCDF	7.87e2	0.67	NO	0.833	1.000	25.418	25.39	1.001	1.000	0.55788	112	0.0358	0.558
9	9 1,2,3,7,8-PeCDF	3.25e3	1.57	NO	0.965	1.000	29.462	29.46	1.001	1.001	2.5832	103	0.0507	2.58
10	10 2,3,4,7,8-PeCDF	3.23e3	1.76	NO	1.01	1.000	30.357	30.35	1.001	1.001	2.5827	103	0.0469	2.58
11	11 1,2,3,4,7,8-HxCDF	2.67e3	1.30	NO	1.09	1.000	33.039	33.05	1.000	1.000	2.6313	105	0.0562	2.63
12	12 1,2,3,6,7,8-HxCDF	2.72e3	1.24	NO	1.07	1.000	33.181	33.18	1.000	1.000	2.6089	104	0.0564	2.61
13	13 2,3,4,6,7,8-HxCDF	2.72e3	1.26	NO	1.15	1.000	33.797	33.79	1.001	1.001	2.6499	106	0.0619	2.65
14	14 1,2,3,7,8,9-HxCDF	2.35e3	1.32	NO	1.11	1.000	34.729	34.74	1.000	1.000	2.7171	109	0.0781	2.72
15	15 1,2,3,4,6,7,8-HpCDF	2.17e3	1.00	NO	1.16	1.000	36.620	36.61	1.001	1.001	2.7041	108	0.0797	2.70
16	16 1,2,3,4,7,8,9-HpCDF	1.93e3	1.07	NO	1.35	1.000	38.328	38.34	1.000	1.000	2.8124	112	0.0773	2.81
17	17 OCDF	3.26e3	0.90	NO	0.949	1.000	41.313	41.33	1.000	1.001	5.4739	109	0.104	5.47
18	18 13C-2,3,7,8-TCDD	1.13e5	0.81	NO	1.26	1.000	26.273	26.16	1.026	1.021	101.17	101	0.201	
19	19 13C-1,2,3,7,8-PeCDD	8.18e4	0.62	NO	0.921	1.000	30.780	30.61	1.202	1.195	100.44	100	0.159	
20	20 13C-1,2,3,4,7,8-HxCDD	6.18e4	1.35	NO	0.707	1.000	33.924	33.94	1.014	1.014	98.790	98.8	0.352	
21	21 13C-1,2,3,6,7,8-HxCDD	7.22e4	1.29	NO	0.829	1.000	34.035	34.05	1.017	1.018	98.440	98.4	0.300	
22	22 13C-1,2,3,7,8,9-HxCDD	7.14e4	1.30	NO	0.808	1.000	34.306	34.34	1.025	1.027	99.788	99.8	0.308	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.77e4	1.07	NO	0.662	1.000	37.772	37.79	1.129	1.130	98.522	98.5	0.467	
24	24 13C-OCDD	1.05e5	0.91	NO	0.608	1.000	40.796	41.08	1.219	1.228	194.33	97.2	0.364	
25	25 13C-2,3,7,8-TCDF	1.69e5	0.80	NO	1.07	1.000	25.351	25.39	0.990	0.992	101.66	102	0.300	
26	26 13C-1,2,3,7,8-PeCDF	1.31e5	1.61	NO	0.826	1.000	29.594	29.44	1.156	1.150	101.38	101	0.360	
27	27 13C-2,3,4,7,8-PeCDF	1.24e5	1.61	NO	0.796	1.000	30.498	30.33	1.191	1.184	99.821	99.8	0.374	
28	28 13C-1,2,3,4,7,8-HxCDF	9.26e4	0.49	NO	1.08	1.000	33.055	33.04	0.988	0.988	97.298	97.3	0.343	
29	29 13C-1,2,3,6,7,8-HxCDF	9.78e4	0.49	NO	1.12	1.000	33.188	33.17	0.992	0.991	98.242	98.2	0.328	
30	30 13C-2,3,4,6,7,8-HxCDF	8.89e4	0.50	NO	1.02	1.000	33.760	33.76	1.009	1.009	97.998	98.0	0.360	
31	31 13C-1,2,3,7,8,9-HxCDF	7.77e4	0.48	NO	0.887	1.000	34.660	34.73	1.036	1.038	98.922	98.9	0.416	
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.95e4	0.43	NO	0.811	1.000	36.367	36.58	1.087	1.093	96.780	96.8	0.482	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.07e4	0.41	NO	0.598	1.000	38.374	38.33	1.147	1.146	95.807	95.8	0.654	
34	34 13C-OCDF	1.25e5	0.91	NO	0.752	1.000	40.950	41.31	1.224	1.235	188.25	94.1	0.382	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	5.32e2			1.24	1.000	26.270	26.17	1.026	1.022	0.48391	96.8	0.0475	
36	36 13C-1,2,3,4-TCDD	8.84e4	0.80	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.253	
37	37 13C-1,2,3,4-TCDF	1.56e5	0.81	NO	1.00	1.000	24.020	24.20	1.000	1.000	100.00	100	0.320	
38	38 13C-1,2,3,4,6,9-HxCDF	8.85e4	0.50	NO	1.00	1.000	33.530	33.46	1.000	1.000	100.00	100	0.369	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_4, Date: 26-May-2020, Time: 22:27:45, ID: ST200526D2-3 1613 CS2 20E0706, Description: 1613 CS2 20E0706

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.98e3	0.78	NO	0.986	1.000	26.189	26.17	1.001	1.001	1.6636	83.2	0.0493	1.66
2	2 1,2,3,7,8-PeCDD	7.46e3	0.61	NO	0.964	1.000	30.630	30.63	1.001	1.001	8.7578	87.6	0.0659	8.76
3	3 1,2,3,4,7,8-HxCDD	6.57e3	1.21	NO	1.16	1.000	33.949	33.95	1.000	1.000	8.4812	84.8	0.118	8.48
4	4 1,2,3,6,7,8-HxCDD	6.99e3	1.22	NO	1.01	1.000	34.037	34.06	1.000	1.001	8.7639	87.6	0.122	8.76
5	5 1,2,3,7,8,9-HxCDD	6.73e3	1.24	NO	1.01	1.000	34.379	34.36	1.001	1.000	8.8445	88.4	0.132	8.84
6	6 1,2,3,4,6,7,8-HpCDD	5.03e3	1.16	NO	0.997	1.000	37.791	37.79	1.000	1.000	8.4399	84.4	0.225	8.44
7	7 OCDD	9.83e3	0.87	NO	1.01	1.000	41.082	41.09	1.000	1.000	17.713	88.6	0.127	17.7
8	8 2,3,7,8-TCDF	2.82e3	0.69	NO	0.833	1.000	25.418	25.42	1.001	1.001	1.8535	92.7	0.0300	1.85
9	9 1,2,3,7,8-PeCDF	1.19e4	1.58	NO	0.965	1.000	29.462	29.46	1.001	1.001	8.6873	86.9	0.0779	8.69
10	10 2,3,4,7,8-PeCDF	1.19e4	1.67	NO	1.01	1.000	30.357	30.35	1.001	1.001	8.4229	84.2	0.0676	8.42
11	11 1,2,3,4,7,8-HxCDF	9.98e3	1.20	NO	1.09	1.000	33.039	33.05	1.000	1.000	8.9279	89.3	0.0853	8.93
12	12 1,2,3,6,7,8-HxCDF	1.01e4	1.28	NO	1.07	1.000	33.170	33.18	1.000	1.001	8.9581	89.6	0.0836	8.96
13	13 2,3,4,6,7,8-HxCDF	9.76e3	1.23	NO	1.15	1.000	33.797	33.77	1.001	1.000	8.6911	86.9	0.0888	8.69
14	14 1,2,3,7,8,9-HxCDF	8.16e3	1.26	NO	1.11	1.000	34.718	34.74	1.000	1.001	8.8409	88.4	0.123	8.84
15	15 1,2,3,4,6,7,8-HpCDF	7.62e3	1.03	NO	1.16	1.000	36.620	36.59	1.001	1.000	8.7616	87.6	0.136	8.76
16	16 1,2,3,4,7,8,9-HpCDF	6.48e3	0.93	NO	1.35	1.000	38.328	38.34	1.000	1.000	8.8433	88.4	0.142	8.84
17	17 OCDF	1.08e4	0.86	NO	0.949	1.000	41.301	41.32	1.000	1.001	16.599	83.0	0.153	16.6
18	18 13C-2,3,7,8-TCDD	1.21e5	0.79	NO	1.26	1.000	26.288	26.16	1.026	1.021	101.54	102	0.218	
19	19 13C-1,2,3,7,8-PeCDD	8.84e4	0.61	NO	0.921	1.000	30.798	30.61	1.202	1.195	101.65	102	0.227	
20	20 13C-1,2,3,4,7,8-HxCDD	6.66e4	1.30	NO	0.707	1.000	33.913	33.94	1.014	1.015	97.491	97.5	0.335	
21	21 13C-1,2,3,6,7,8-HxCDD	7.92e4	1.32	NO	0.829	1.000	34.024	34.04	1.017	1.018	98.922	98.9	0.286	
22	22 13C-1,2,3,7,8,9-HxCDD	7.54e4	1.32	NO	0.808	1.000	34.295	34.34	1.025	1.027	96.615	96.6	0.293	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.98e4	1.09	NO	0.662	1.000	37.759	37.78	1.129	1.130	93.469	93.5	0.495	
24	24 13C-OCDD	1.09e5	0.90	NO	0.608	1.000	40.783	41.08	1.219	1.228	186.24	93.1	0.514	
25	25 13C-2,3,7,8-TCDF	1.83e5	0.77	NO	1.07	1.000	25.366	25.39	0.990	0.991	98.621	98.6	0.249	
26	26 13C-1,2,3,7,8-PeCDF	1.42e5	1.66	NO	0.826	1.000	29.612	29.44	1.156	1.149	98.731	98.7	0.323	
27	27 13C-2,3,4,7,8-PeCDF	1.40e5	1.68	NO	0.796	1.000	30.516	30.33	1.191	1.184	101.06	101	0.335	
28	28 13C-1,2,3,4,7,8-HxCDF	1.02e5	0.50	NO	1.08	1.000	33.044	33.04	0.988	0.988	98.239	98.2	0.344	
29	29 13C-1,2,3,6,7,8-HxCDF	1.06e5	0.49	NO	1.12	1.000	33.177	33.16	0.992	0.991	97.608	97.6	0.329	
30	30 13C-2,3,4,6,7,8-HxCDF	9.72e4	0.50	NO	1.02	1.000	33.749	33.76	1.009	1.010	98.205	98.2	0.361	
31	31 13C-1,2,3,7,8,9-HxCDF	8.28e4	0.50	NO	0.887	1.000	34.649	34.72	1.036	1.038	96.678	96.7	0.417	
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.52e4	0.42	NO	0.811	1.000	36.355	36.58	1.087	1.094	95.939	95.9	0.509	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.43e4	0.44	NO	0.598	1.000	38.361	38.33	1.147	1.146	93.961	94.0	0.690	
34	34 13C-OCDF	1.37e5	0.88	NO	0.752	1.000	40.937	41.30	1.224	1.235	188.78	94.4	0.403	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_4, Date: 26-May-2020, Time: 22:27:45, ID: ST200526D2-3 1613 CS2 20E0706, Description: 1613 CS2 20E0706

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	2.19e3			1.24	1.000	26.286	26.19	1.026	1.022	1.8667	93.3	0.0471	
36	36 13C-1,2,3,4-TCDD	9.44e4	0.82	NO	1.00	1.000	25.480	25.62	1.000	1.000	100.00	100	0.275	
37	37 13C-1,2,3,4-TCDF	1.74e5	0.77	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.266	
38	38 13C-1,2,3,4,6,9-HxCDF	9.66e4	0.50	NO	1.00	1.000	33.530	33.44	1.000	1.000	100.00	100	0.370	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.00e4	0.82	NO	0.986	1.000	26.189	26.19	1.001	1.001	8.8565	88.6	0.0892	8.86
2	2 1,2,3,7,8-PeCDD	3.66e4	0.62	NO	0.964	1.000	30.630	30.63	1.001	1.001	45.196	90.4	0.155	45.2
3	3 1,2,3,4,7,8-HxCDD	3.52e4	1.26	NO	1.16	1.000	33.949	33.95	1.000	1.000	46.642	93.3	0.250	46.6
4	4 1,2,3,6,7,8-HxCDD	3.48e4	1.29	NO	1.01	1.000	34.038	34.06	1.000	1.001	44.916	89.8	0.257	44.9
5	5 1,2,3,7,8,9-HxCDD	3.36e4	1.26	NO	1.01	1.000	34.379	34.36	1.001	1.000	44.634	89.3	0.279	44.6
6	6 1,2,3,4,6,7,8-HpCDD	2.77e4	1.03	NO	0.997	1.000	37.791	37.79	1.000	1.000	43.896	87.8	0.312	43.9
7	7 OCDD	5.26e4	0.89	NO	1.01	1.000	41.082	41.09	1.000	1.000	92.170	92.2	0.199	92.2
8	8 2,3,7,8-TCDF	1.34e4	0.75	NO	0.833	1.000	25.418	25.41	1.001	1.001	8.7720	87.7	0.0756	8.77
9	9 1,2,3,7,8-PeCDF	6.36e4	1.57	NO	0.965	1.000	29.462	29.46	1.001	1.001	47.409	94.8	0.106	47.4
10	10 2,3,4,7,8-PeCDF	6.33e4	1.58	NO	1.01	1.000	30.357	30.35	1.001	1.001	47.245	94.5	0.0986	47.2
11	11 1,2,3,4,7,8-HxCDF	4.90e4	1.27	NO	1.09	1.000	33.039	33.05	1.000	1.000	44.739	89.5	0.206	44.7
12	12 1,2,3,6,7,8-HxCDF	5.13e4	1.24	NO	1.07	1.000	33.170	33.18	1.000	1.001	46.102	92.2	0.191	46.1
13	13 2,3,4,6,7,8-HxCDF	5.01e4	1.25	NO	1.15	1.000	33.797	33.79	1.001	1.001	44.354	88.7	0.198	44.4
14	14 1,2,3,7,8,9-HxCDF	4.08e4	1.27	NO	1.11	1.000	34.729	34.74	1.000	1.000	43.006	86.0	0.277	43.0
15	15 1,2,3,4,6,7,8-HpCDF	3.96e4	1.03	NO	1.16	1.000	36.620	36.61	1.001	1.001	44.155	88.3	0.249	44.2
16	16 1,2,3,4,7,8,9-HpCDF	3.49e4	1.02	NO	1.35	1.000	38.317	38.34	1.000	1.001	45.801	91.6	0.259	45.8
17	17 OCDF	5.99e4	0.94	NO	0.949	1.000	41.313	41.31	1.000	1.000	90.876	90.9	0.220	90.9
18	18 13C-2,3,7,8-TCDD	1.15e5	0.78	NO	1.26	1.000	26.273	26.16	1.026	1.021	98.768	98.8	0.190	
19	19 13C-1,2,3,7,8-PeCDD	8.41e4	0.63	NO	0.921	1.000	30.780	30.61	1.202	1.195	98.770	98.8	0.204	
20	20 13C-1,2,3,4,7,8-HxCDD	6.49e4	1.33	NO	0.707	1.000	33.924	33.94	1.014	1.014	96.881	96.9	0.410	
21	21 13C-1,2,3,6,7,8-HxCDD	7.68e4	1.35	NO	0.829	1.000	34.035	34.04	1.017	1.017	97.944	97.9	0.350	
22	22 13C-1,2,3,7,8,9-HxCDD	7.47e4	1.30	NO	0.808	1.000	34.306	34.34	1.025	1.027	97.724	97.7	0.359	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.34e4	1.05	NO	0.662	1.000	37.772	37.78	1.129	1.129	101.15	101	0.442	
24	24 13C-OCDD	1.13e5	0.91	NO	0.608	1.000	40.796	41.08	1.219	1.228	195.63	97.8	0.384	
25	25 13C-2,3,7,8-TCDF	1.83e5	0.82	NO	1.07	1.000	25.351	25.39	0.990	0.992	103.34	103	0.227	
26	26 13C-1,2,3,7,8-PeCDF	1.39e5	1.67	NO	0.826	1.000	29.594	29.44	1.156	1.150	101.66	102	0.336	
27	27 13C-2,3,4,7,8-PeCDF	1.33e5	1.69	NO	0.796	1.000	30.498	30.33	1.191	1.184	100.59	101	0.348	
28	28 13C-1,2,3,4,7,8-HxCDF	1.00e5	0.48	NO	1.08	1.000	33.055	33.04	0.988	0.988	98.338	98.3	0.415	
29	29 13C-1,2,3,6,7,8-HxCDF	1.04e5	0.50	NO	1.12	1.000	33.188	33.16	0.992	0.991	98.132	98.1	0.397	
30	30 13C-2,3,4,6,7,8-HxCDF	9.79e4	0.51	NO	1.02	1.000	33.760	33.76	1.009	1.009	100.89	101	0.436	
31	31 13C-1,2,3,7,8,9-HxCDF	8.50e4	0.51	NO	0.887	1.000	34.660	34.73	1.036	1.038	101.29	101	0.503	
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.76e4	0.43	NO	0.811	1.000	36.367	36.58	1.087	1.093	101.06	101	0.441	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.65e4	0.43	NO	0.598	1.000	38.374	38.32	1.147	1.145	99.690	99.7	0.597	
34	34 13C-OCDF	1.39e5	0.89	NO	0.752	1.000	40.950	41.31	1.224	1.235	195.21	97.6	0.341	

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Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	1.06e4			1.24	1.000	26.270	26.19	1.026	1.023	9.2283	92.3	0.0610	
36	36 13C-1,2,3,4-TCDD	9.24e4	0.78	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.240	
37	37 13C-1,2,3,4-TCDF	1.66e5	0.81	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.242	
38	38 13C-1,2,3,4,6,9-HxCDF	9.47e4	0.50	NO	1.00	1.000	33.530	33.46	1.000	1.000	100.00	100	0.446	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	4.74e4	0.80	NO	0.986	1.000	26.204	26.19	1.001	1.001	39.352	98.4	0.0679	39.4
2	2 1,2,3,7,8-PeCDD	1.76e5	0.62	NO	0.964	1.000	30.630	30.63	1.001	1.001	205.12	103	0.0946	205
3	3 1,2,3,4,7,8-HxCDD	1.72e5	1.25	NO	1.16	1.000	33.949	33.95	1.000	1.000	211.56	106	0.243	212
4	4 1,2,3,6,7,8-HxCDD	1.70e5	1.25	NO	1.01	1.000	34.049	34.06	1.000	1.000	202.09	101	0.251	202
5	5 1,2,3,7,8,9-HxCDD	1.67e5	1.26	NO	1.01	1.000	34.379	34.36	1.001	1.000	204.43	102	0.270	204
6	6 1,2,3,4,6,7,8-HpCDD	1.37e5	1.01	NO	0.997	1.000	37.791	37.79	1.000	1.000	202.23	101	0.407	202
7	7 OCDD	2.65e5	0.87	NO	1.01	1.000	41.082	41.10	1.000	1.001	434.38	109	0.379	434
8	8 2,3,7,8-TCDF	6.45e4	0.75	NO	0.833	1.000	25.418	25.42	1.001	1.001	40.000	100	0.0596	40.0
9	9 1,2,3,7,8-PeCDF	3.04e5	1.59	NO	0.965	1.000	29.482	29.46	1.001	1.000	213.96	107	0.164	214
10	10 2,3,4,7,8-PeCDF	3.00e5	1.59	NO	1.01	1.000	30.357	30.35	1.001	1.001	206.52	103	0.150	207
11	11 1,2,3,4,7,8-HxCDF	2.51e5	1.26	NO	1.09	1.000	33.039	33.05	1.000	1.000	210.60	105	0.248	211
12	12 1,2,3,6,7,8-HxCDF	2.59e5	1.26	NO	1.07	1.000	33.181	33.18	1.000	1.000	213.97	107	0.259	214
13	13 2,3,4,6,7,8-HxCDF	2.53e5	1.26	NO	1.15	1.000	33.797	33.77	1.001	1.000	216.56	108	0.270	217
14	14 1,2,3,7,8,9-HxCDF	2.06e5	1.30	NO	1.11	1.000	34.729	34.74	1.000	1.000	212.53	106	0.338	213
15	15 1,2,3,4,6,7,8-HpCDF	1.97e5	1.04	NO	1.16	1.000	36.631	36.61	1.001	1.000	208.57	104	0.433	209
16	16 1,2,3,4,7,8,9-HpCDF	1.72e5	1.03	NO	1.35	1.000	38.328	38.34	1.000	1.000	210.80	105	0.416	211
17	17 OCDF	3.09e5	0.90	NO	0.949	1.000	41.313	41.32	1.000	1.000	418.90	105	0.339	419
18	18 13C-2,3,7,8-TCDD	1.22e5	0.78	NO	1.26	1.000	26.273	26.17	1.026	1.022	102.09	102	0.179	
19	19 13C-1,2,3,7,8-PeCDD	8.91e4	0.62	NO	0.921	1.000	30.780	30.61	1.202	1.195	101.83	102	0.232	
20	20 13C-1,2,3,4,7,8-HxCDD	7.00e4	1.27	NO	0.707	1.000	33.924	33.94	1.014	1.014	100.01	100	0.380	
21	21 13C-1,2,3,6,7,8-HxCDD	8.35e4	1.35	NO	0.829	1.000	34.035	34.05	1.017	1.018	101.77	102	0.324	
22	22 13C-1,2,3,7,8,9-HxCDD	8.10e4	1.33	NO	0.808	1.000	34.306	34.34	1.025	1.027	101.36	101	0.332	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.79e4	1.08	NO	0.662	1.000	37.772	37.78	1.129	1.129	103.74	104	0.514	
24	24 13C-OCDD	1.20e5	0.88	NO	0.608	1.000	40.796	41.08	1.219	1.228	199.83	99.9	0.503	
25	25 13C-2,3,7,8-TCDF	1.93e5	0.79	NO	1.07	1.000	25.351	25.39	0.990	0.992	101.75	102	0.262	
26	26 13C-1,2,3,7,8-PeCDF	1.47e5	1.78	NO	0.826	1.000	29.594	29.46	1.156	1.151	100.19	100	0.353	
27	27 13C-2,3,4,7,8-PeCDF	1.44e5	1.64	NO	0.796	1.000	30.498	30.33	1.191	1.184	101.62	102	0.366	
28	28 13C-1,2,3,4,7,8-HxCDF	1.09e5	0.50	NO	1.08	1.000	33.055	33.04	0.988	0.988	102.47	102	0.407	
29	29 13C-1,2,3,6,7,8-HxCDF	1.14e5	0.50	NO	1.12	1.000	33.188	33.17	0.992	0.991	102.21	102	0.389	
30	30 13C-2,3,4,6,7,8-HxCDF	1.01e5	0.51	NO	1.02	1.000	33.760	33.76	1.009	1.009	99.881	99.9	0.427	
31	31 13C-1,2,3,7,8,9-HxCDF	8.72e4	0.49	NO	0.887	1.000	34.660	34.73	1.036	1.038	99.350	99.3	0.493	
32	32 13C-1,2,3,4,6,7,8-HpCDF	8.15e4	0.44	NO	0.811	1.000	36.367	36.59	1.087	1.094	101.53	102	0.467	
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.06e4	0.41	NO	0.598	1.000	38.374	38.33	1.147	1.146	102.34	102	0.633	
34	34 13C-OCDF	1.55e5	0.88	NO	0.752	1.000	40.950	41.31	1.224	1.235	208.58	104	0.384	

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Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	4.98e4			1.24	1.000	26.270	26.19	1.026	1.023	42.189	105	0.0815	
36	36 13C-1,2,3,4-TCDD	9.49e4	0.79	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.225	
37	37 13C-1,2,3,4-TCDF	1.78e5	0.78	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.280	
38	38 13C-1,2,3,4,6,9-HxCDF	9.90e4	0.50	NO	1.00	1.000	33.530	33.46	1.000	1.000	100.00	100	0.437	

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Name: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613 CS5 20E0709, Description: 1613 CS5 20E0709

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	3.68e5	0.80	NO	0.986	1.000	26.204	26.19	1.001	1.001	364.45	121	0.101	364
2	2 1,2,3,7,8-PeCDD	1.40e6	0.63	NO	0.964	1.000	30.650	30.63	1.001	1.000	1848.3	123	0.267	1850
3	3 1,2,3,4,7,8-HxCDD	1.43e6	1.25	NO	1.16	1.000	33.960	33.96	1.000	1.000	1847.5	123	0.492	1850
4	4 1,2,3,6,7,8-HxCDD	1.38e6	1.23	NO	1.01	1.000	34.060	34.07	1.000	1.000	1775.5	118	0.510	1780
5	5 1,2,3,7,8,9-HxCDD	1.39e6	1.24	NO	1.01	1.000	34.390	34.37	1.001	1.000	1808.8	121	0.520	1810
6	6 1,2,3,4,6,7,8-HpCDD	1.16e6	1.03	NO	0.997	1.000	37.802	37.80	1.000	1.000	1821.7	121	0.929	1820
7	7 OCDD	2.27e6	0.89	NO	1.01	1.000	41.104	41.12	1.000	1.000	3544.5	118	0.574	3540
8	8 2,3,7,8-TCDF	5.10e5	0.77	NO	0.833	1.000	25.418	25.42	1.001	1.001	367.11	122	0.101	367
9	9 1,2,3,7,8-PeCDF	2.35e6	1.58	NO	0.965	1.000	29.482	29.48	1.001	1.001	1831.5	122	0.215	1830
10	10 2,3,4,7,8-PeCDF	2.35e6	1.57	NO	1.01	1.000	30.377	30.35	1.001	1.000	1813.0	121	0.210	1810
11	11 1,2,3,4,7,8-HxCDF	1.98e6	1.25	NO	1.09	1.000	33.050	33.06	1.000	1.000	1790.5	119	0.579	1790
12	12 1,2,3,6,7,8-HxCDF	2.01e6	1.25	NO	1.07	1.000	33.181	33.19	1.000	1.001	1817.2	121	0.586	1820
13	13 2,3,4,6,7,8-HxCDF	2.03e6	1.25	NO	1.15	1.000	33.808	33.79	1.001	1.000	1813.2	121	0.622	1810
14	14 1,2,3,7,8,9-HxCDF	1.69e6	1.26	NO	1.11	1.000	34.729	34.75	1.000	1.001	1750.8	117	0.759	1750
15	15 1,2,3,4,6,7,8-HpCDF	1.65e6	1.02	NO	1.16	1.000	36.631	36.62	1.001	1.001	1832.5	122	0.950	1830
16	16 1,2,3,4,7,8,9-HpCDF	1.48e6	1.02	NO	1.35	1.000	38.339	38.34	1.000	1.000	1811.2	121	0.920	1810
17	17 OCDF	2.67e6	0.89	NO	0.949	1.000	41.324	41.33	1.000	1.000	3489.5	116	0.436	3490
18	18 13C-2,3,7,8-TCDD	1.02e5	0.78	NO	1.26	1.000	26.273	26.17	1.026	1.022	97.082	97.1	0.235	
19	19 13C-1,2,3,7,8-PeCDD	7.85e4	0.62	NO	0.921	1.000	30.780	30.63	1.202	1.196	101.79	102	0.196	
20	20 13C-1,2,3,4,7,8-HxCDD	6.66e4	1.32	NO	0.707	1.000	33.936	33.95	1.014	1.014	104.87	105	0.369	
21	21 13C-1,2,3,6,7,8-HxCDD	7.72e4	1.33	NO	0.829	1.000	34.046	34.06	1.017	1.018	103.76	104	0.315	
22	22 13C-1,2,3,7,8,9-HxCDD	7.61e4	1.28	NO	0.808	1.000	34.317	34.36	1.025	1.027	104.98	105	0.323	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.37e4	1.02	NO	0.662	1.000	37.784	37.79	1.129	1.129	107.29	107	0.467	
24	24 13C-OCDD	1.27e5	0.90	NO	0.608	1.000	40.810	41.10	1.219	1.228	231.88	116	0.362	
25	25 13C-2,3,7,8-TCDF	1.67e5	0.79	NO	1.07	1.000	25.351	25.39	0.990	0.992	94.694	94.7	0.249	
26	26 13C-1,2,3,7,8-PeCDF	1.33e5	1.61	NO	0.826	1.000	29.594	29.46	1.156	1.151	97.488	97.5	0.410	
27	27 13C-2,3,4,7,8-PeCDF	1.29e5	1.68	NO	0.796	1.000	30.498	30.35	1.191	1.185	98.043	98.0	0.425	
28	28 13C-1,2,3,4,7,8-HxCDF	1.01e5	0.51	NO	1.08	1.000	33.066	33.05	0.988	0.988	104.52	105	0.398	
29	29 13C-1,2,3,6,7,8-HxCDF	1.04e5	0.50	NO	1.12	1.000	33.199	33.17	0.992	0.991	102.86	103	0.380	
30	30 13C-2,3,4,6,7,8-HxCDF	9.68e4	0.49	NO	1.02	1.000	33.772	33.77	1.009	1.009	105.29	105	0.417	
31	31 13C-1,2,3,7,8,9-HxCDF	8.66e4	0.49	NO	0.887	1.000	34.672	34.73	1.036	1.038	108.80	109	0.482	
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.78e4	0.44	NO	0.811	1.000	36.379	36.59	1.087	1.093	106.85	107	0.442	
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.04e4	0.44	NO	0.598	1.000	38.387	38.34	1.147	1.146	112.41	112	0.599	
34	34 13C-OCDF	1.61e5	0.88	NO	0.752	1.000	40.964	41.32	1.224	1.235	239.12	120	0.313	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:53:39 Pacific Daylight Time

Printed: Wednesday, May 27, 2020 11:56:15 Pacific Daylight Time

Name: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613 CS5 20E0709, Description: 1613 CS5 20E0709

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	2.34e5			1.24	1.000	26.270	26.19	1.026	1.023	224.95	112	0.0764	
36	36 13C-1,2,3,4-TCDD	8.37e4	0.81	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.295	
37	37 13C-1,2,3,4-TCDF	1.65e5	0.79	NO	1.00	1.000	24.020	24.22	1.000	1.000	100.00	100	0.266	
38	38 13C-1,2,3,4,6,9-HxCDF	8.98e4	0.50	NO	1.00	1.000	33.530	33.47	1.000	1.000	100.00	100	0.428	

Dataset: Untitled

Last Altered: Wednesday, May 27, 2020 11:57:57 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:58:25 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 18 May 2020 14:57:34
Calibration: 27 May 2020 11:57:57

Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707

#	Name	RT
1	1,3,6,8-TCDD (First)	22.89
2	1,2,8,9-TCDD (Last)	27.03
3	1,2,4,7,9-PeCDD (First)	28.62
4	1,2,3,8,9-PeCDD (Last)	30.99
5	1,2,4,6,7,9-HxCDD (First)	32.40
6	1,2,3,7,8,9-HxCDD (Last)	34.36
7	1,2,3,4,6,7,9-HpCDD (First)	36.97
8	1,2,3,4,6,7,8-HpCDD (Last)	37.79
9	1,3,6,8-TCDF (First)	20.81
10	1,2,8,9-TCDF (Last)	27.17
11	1,3,4,6,8-PeCDF (First)	27.12
12	1,2,3,8,9-PeCDF (Last)	31.21
13	1,2,3,4,6,8-HxCDF (First)	31.86
14	1,2,3,7,8,9-HxCDF (Last)	34.74
15	1,2,3,4,6,7,8-HpCDF (First)	36.61
16	1,2,3,4,7,8,9-HpCDF (Last)	38.34

Dataset: Untitled

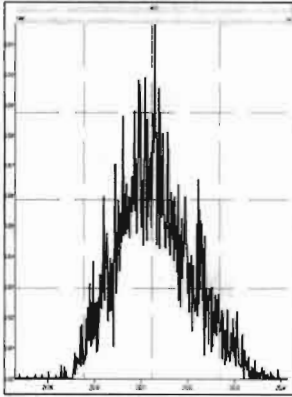
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Printed: Wednesday, May 27, 2020 11:37:00 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-3-9-20.cdb 09 Mar 2020 17:20:28

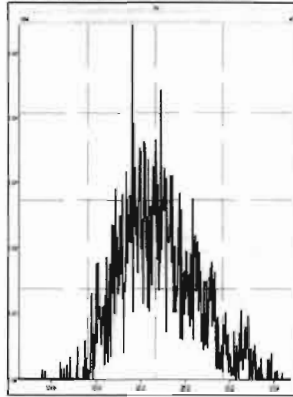
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200526D2_1	SOLVENT BLANK	26-May-20	20:12:13
2	200526D2_2	ST200526D2-1 1613 CS0 20E0704	26-May-20	20:57:24
3	200526D2_3	ST200526D2-2 1613 CS1 20E0705	26-May-20	21:42:35
4	200526D2_4	ST200526D2-3 1613 CS2 20E0706	26-May-20	22:27:45
5	200526D2_5	ST200526D2-4 1613 CS3 20E0707	26-May-20	23:12:55
6	200526D2_6	ST200526D2-5 1613 CS4 20E0708	26-May-20	23:58:05
7	200526D2_7	ST200526D2-6 1613 CS5 20E0709	27-May-20	00:43:15
8	200526D2_8	SOLVENT BLANK	27-May-20	01:28:25
9	200526D2_9	SS200526D2-1 1613 SSS 20E0710	27-May-20	02:13:37
10	200526D2_10	QC200526D2-1 1613 QC OPR COMB NS	27-May-20	02:58:46

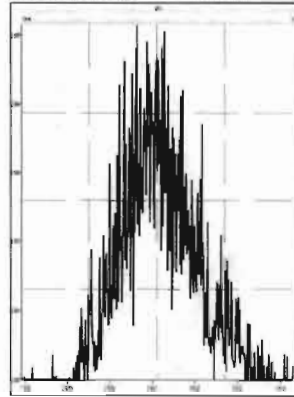
M 292.9824 R 8770



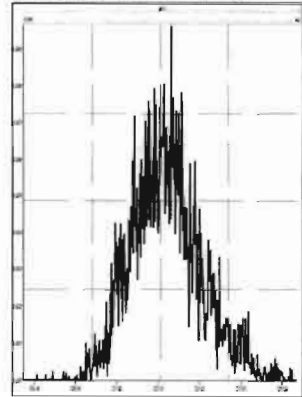
M 304.9824 R 11062



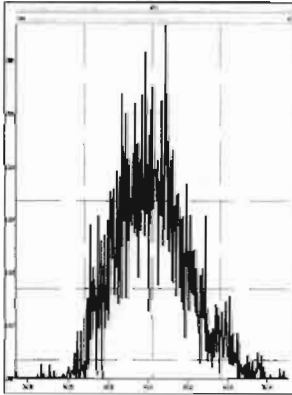
M 318.9792 R 11110



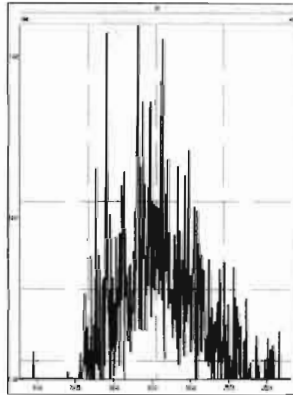
M 330.9792 R 11132



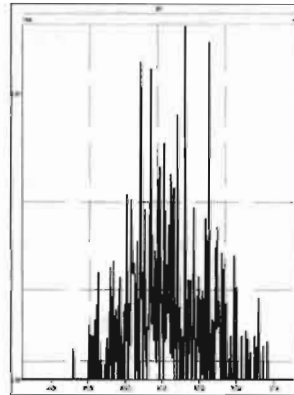
M 342.9792 R 11021



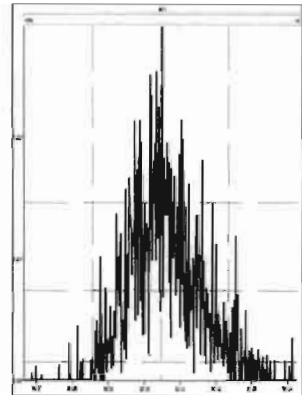
M 354.9792 R 19013



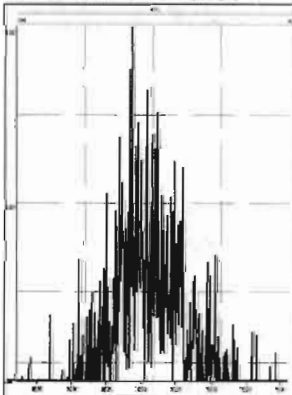
M 366.9792 R 179426



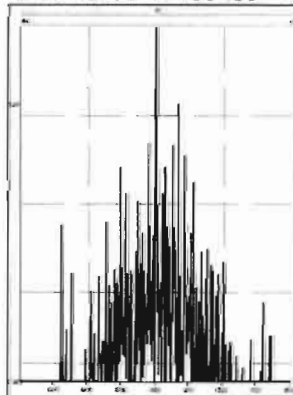
M 380.9760 R 19159



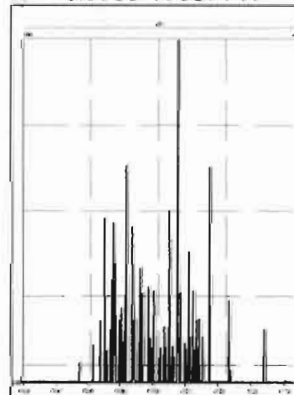
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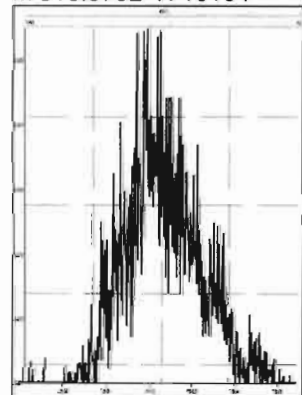
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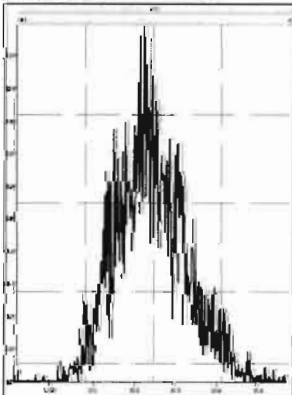
M 416.9760 R 357141



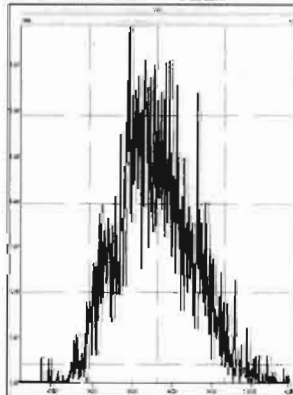
M 318.9792 R 10164



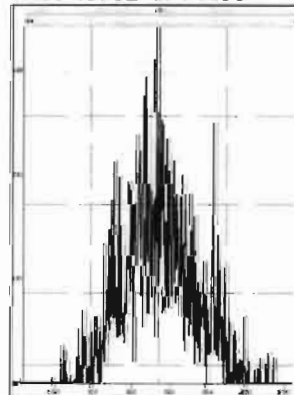
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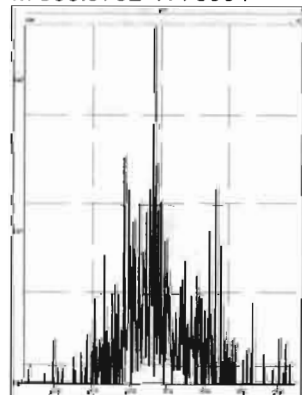
M 342.9792 R 9227



M 354.9792 R 14159

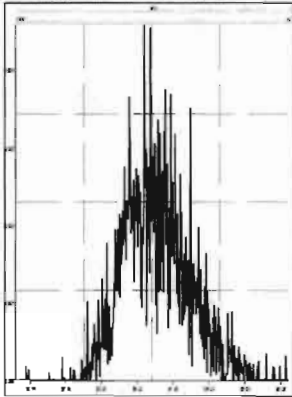


M 366.9792 R 78004

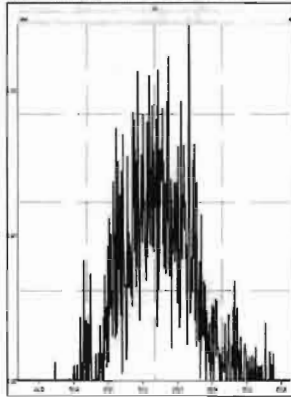


Printed: Tuesday, May 26, 2020 20:12:09 Pacific Daylight Time

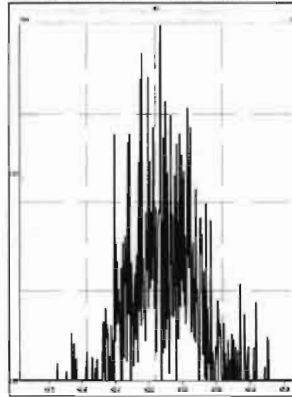
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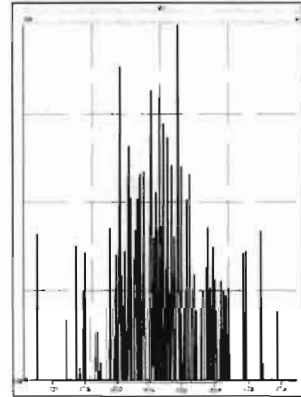
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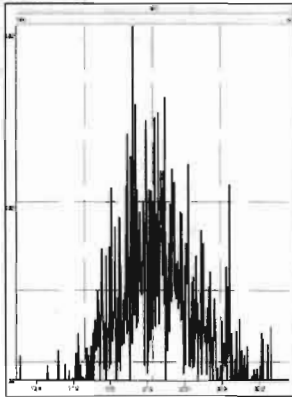
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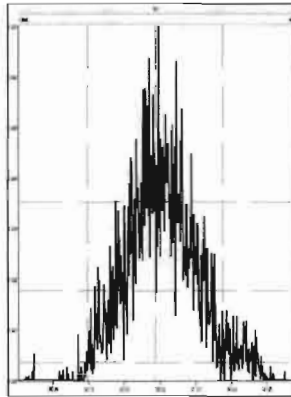
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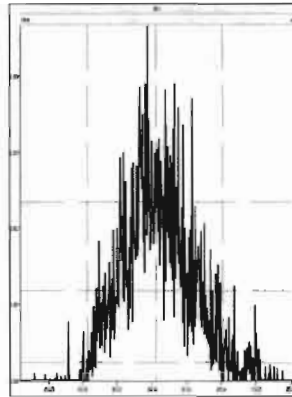
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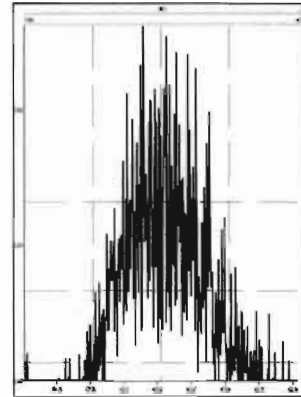
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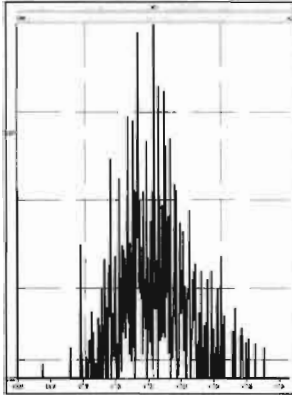
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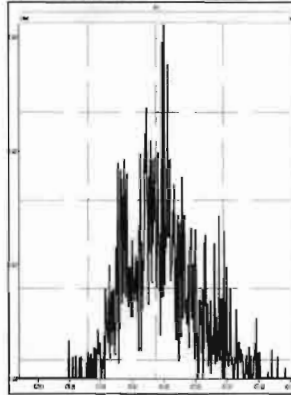
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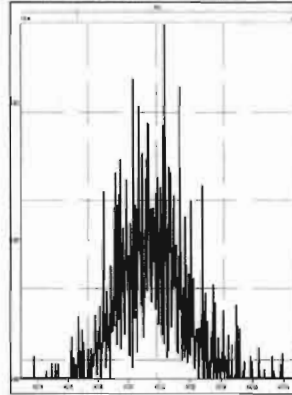
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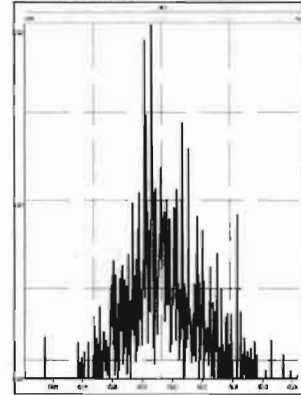
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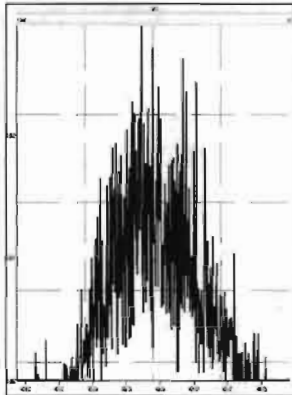
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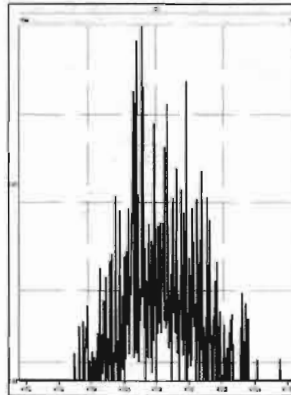
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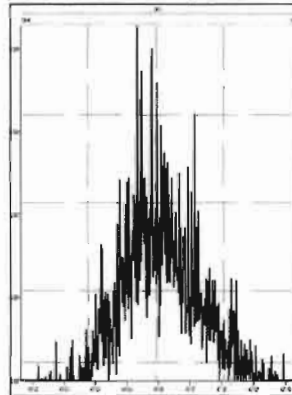
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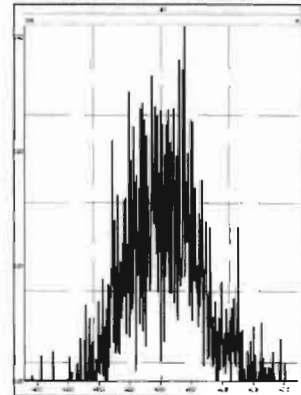
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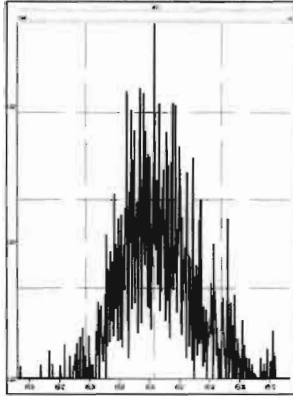
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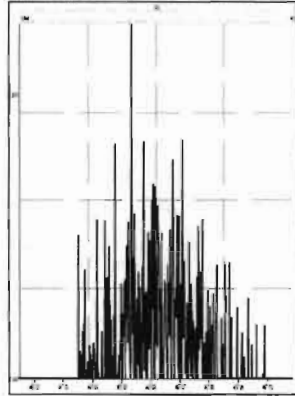
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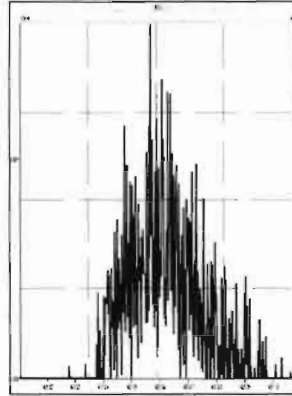
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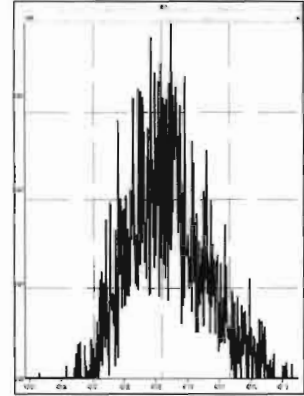
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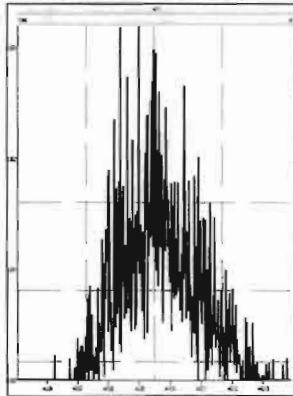
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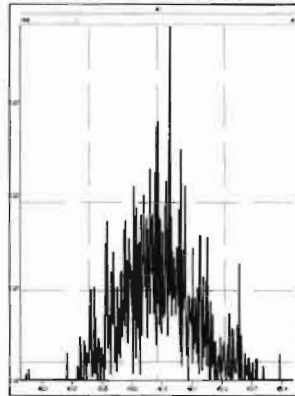
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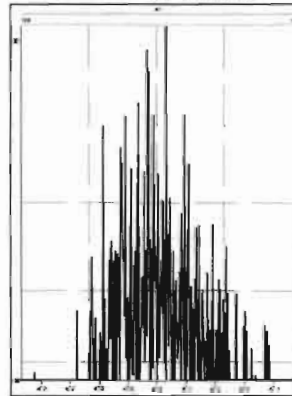
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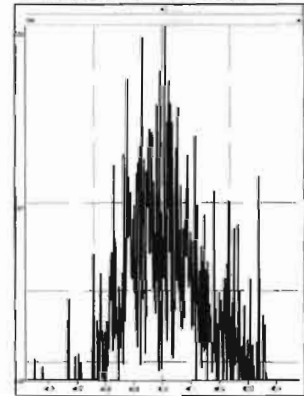
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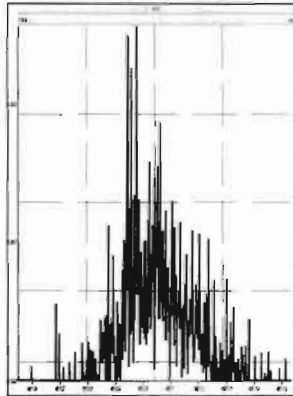
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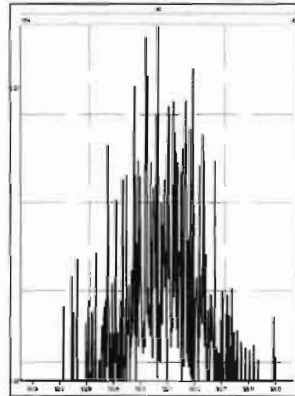
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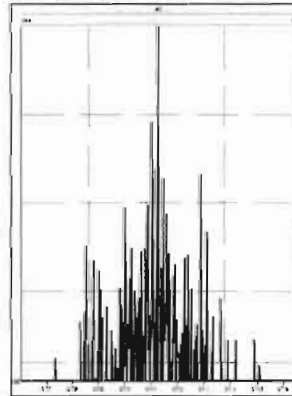
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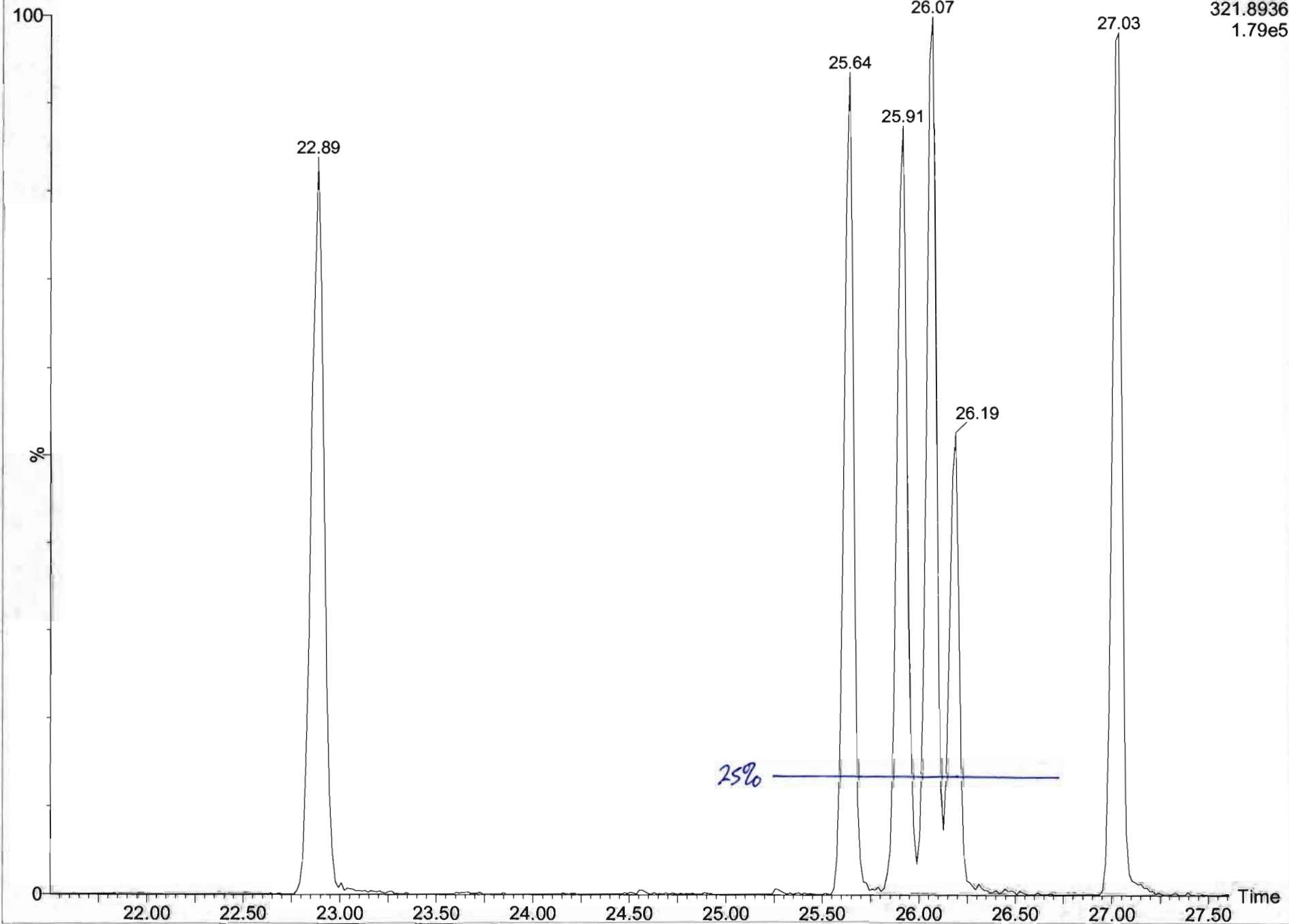


200526D2_5

1: Voltage SIR 15 Channels EI+

321.8936

1.79e5



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

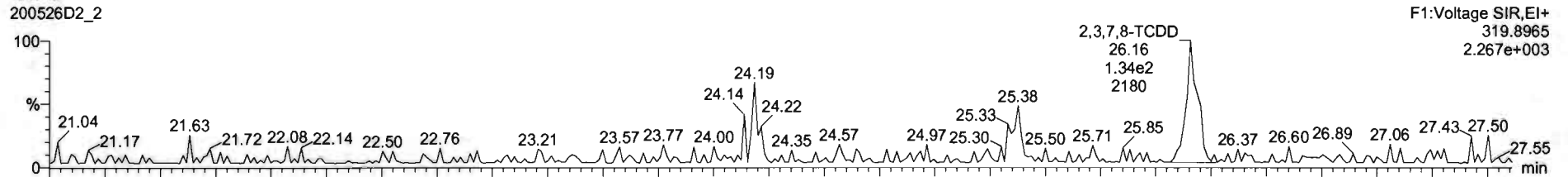
Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:37:23

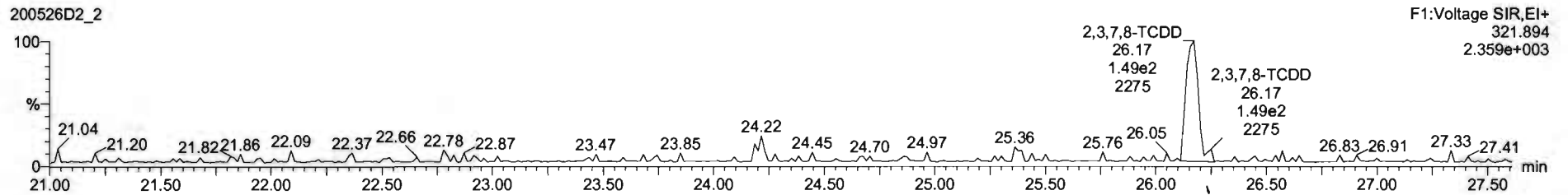
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2,3,7,8-TCDD

200526D2_2

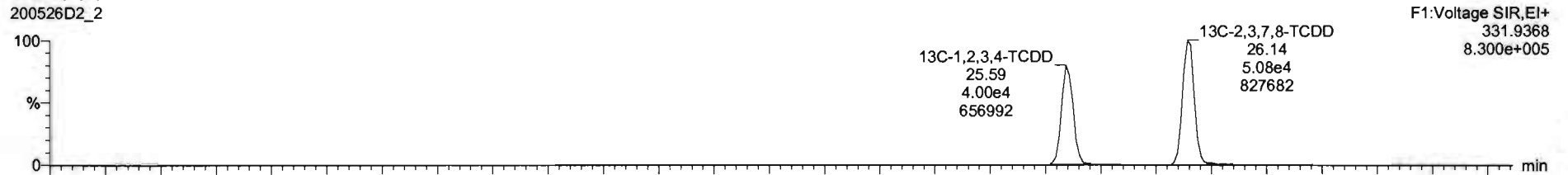


200526D2_2

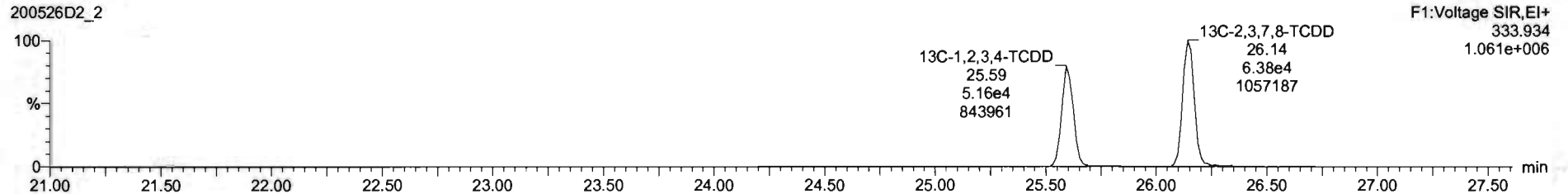


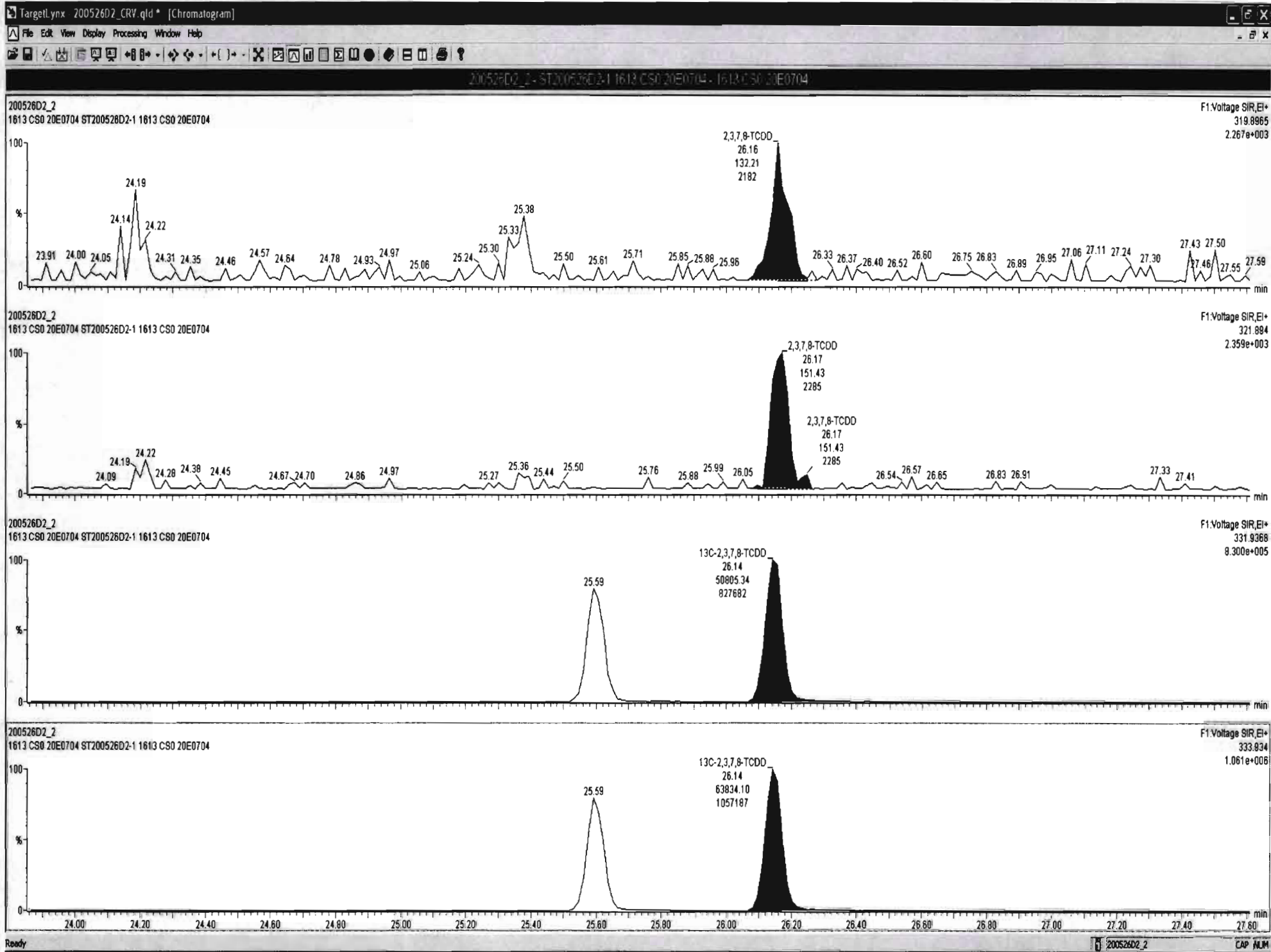
13C-2,3,7,8-TCDD

200526D2_2



200526D2_2





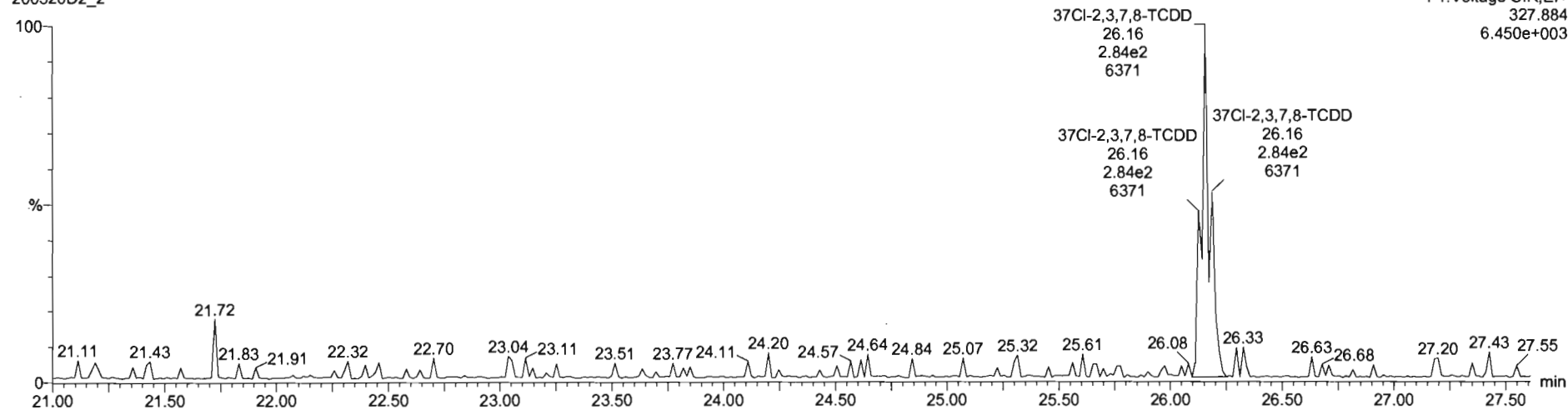
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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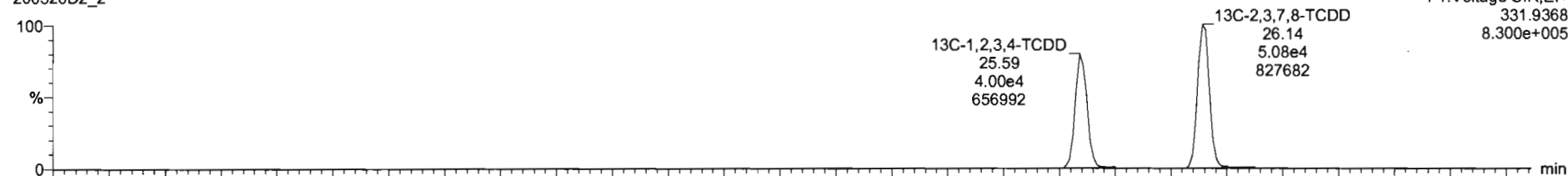
37Cl-2,3,7,8-TCDD

200526D2_2

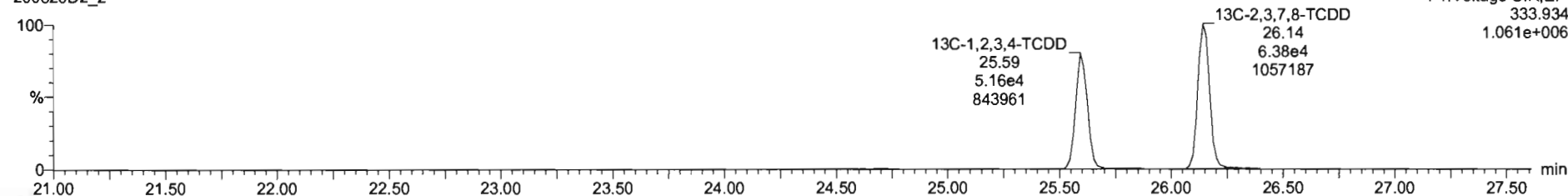


13C-1,2,3,4-TCDD

200526D2_2



200526D2_2



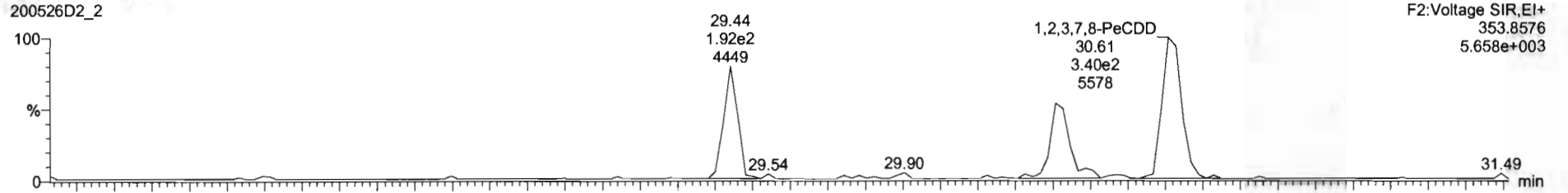
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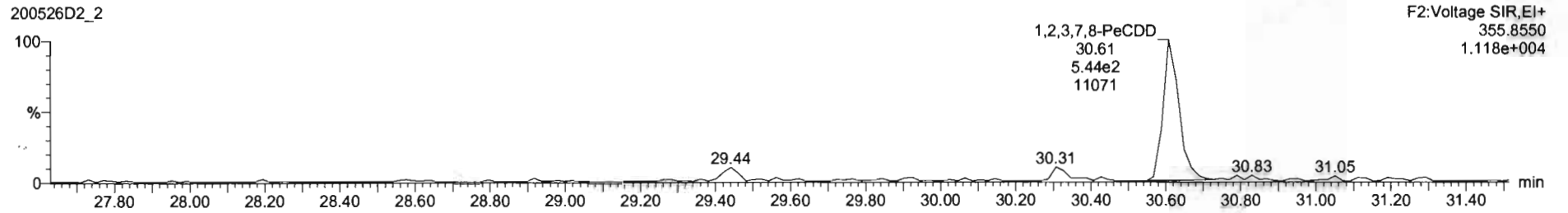
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1,2,3,7,8-PeCDD

200526D2_2

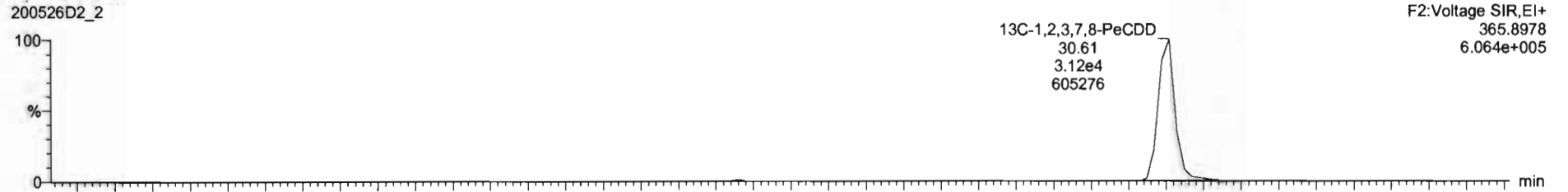


200526D2_2

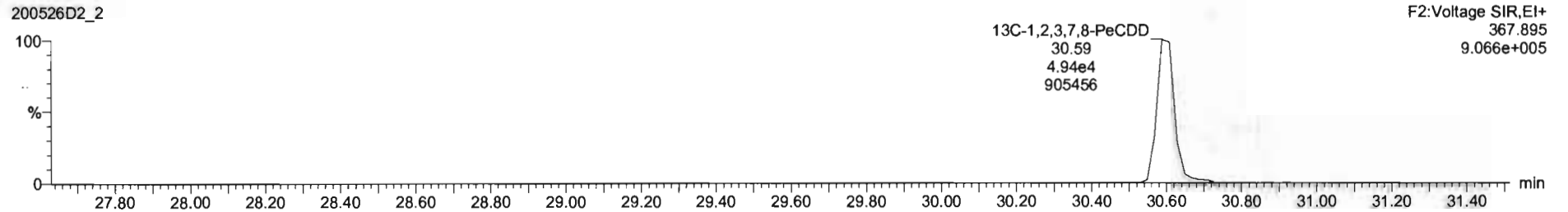


13C-1,2,3,7,8-PeCDD

200526D2_2



200526D2_2



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

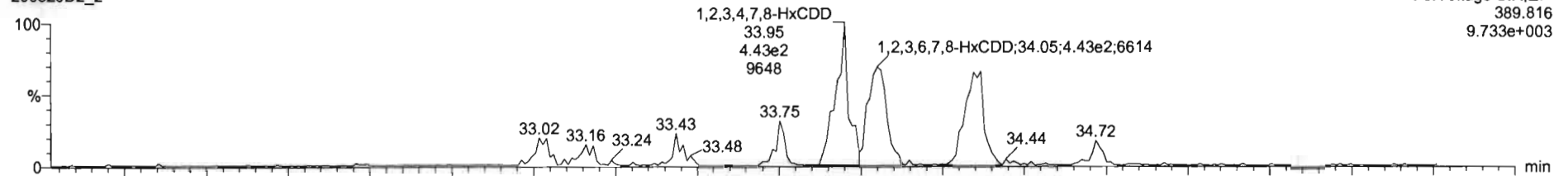
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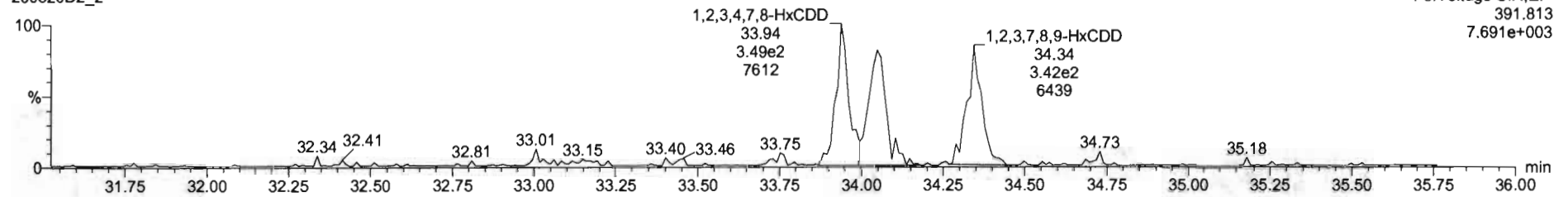
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1,2,3,4,7,8-HxCDD

200526D2_2

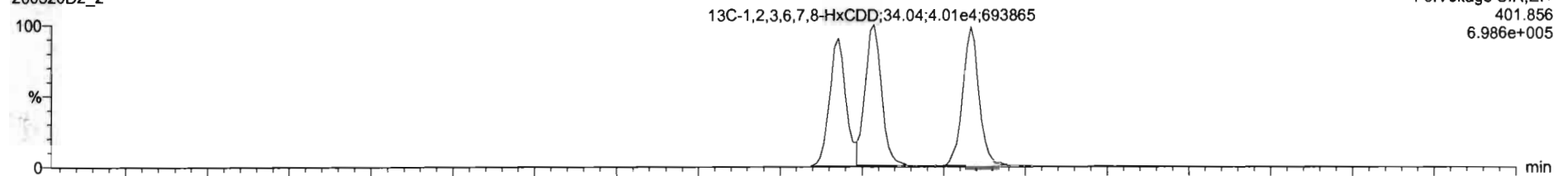


200526D2_2

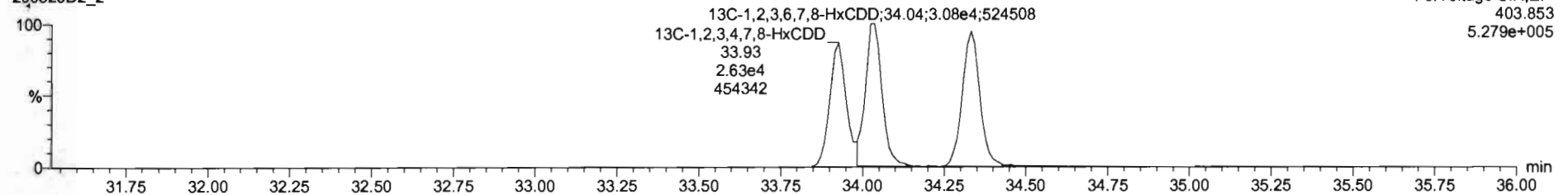


13C-1,2,3,4,7,8-HxCDD

200526D2_2



200526D2_2



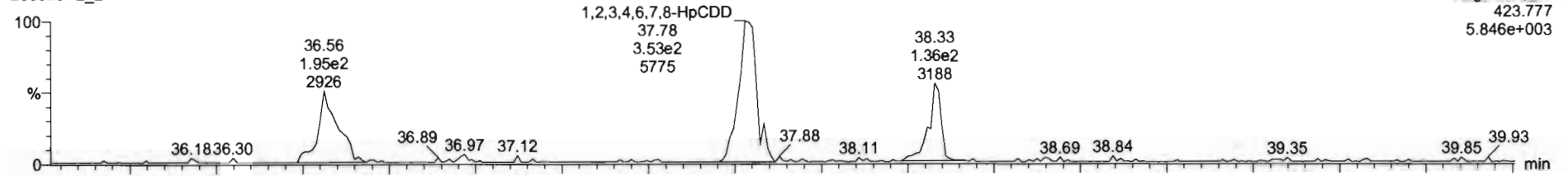
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

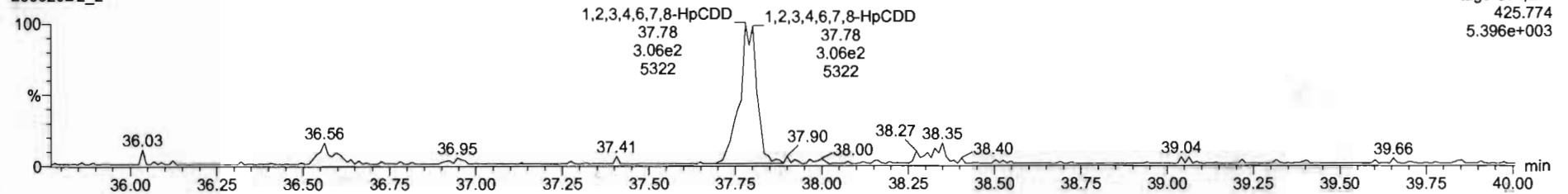
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1,2,3,4,6,7,8-HpCDD

200526D2_2

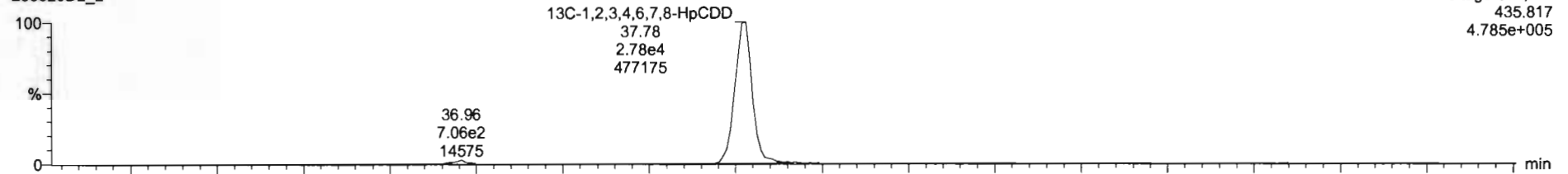


200526D2_2

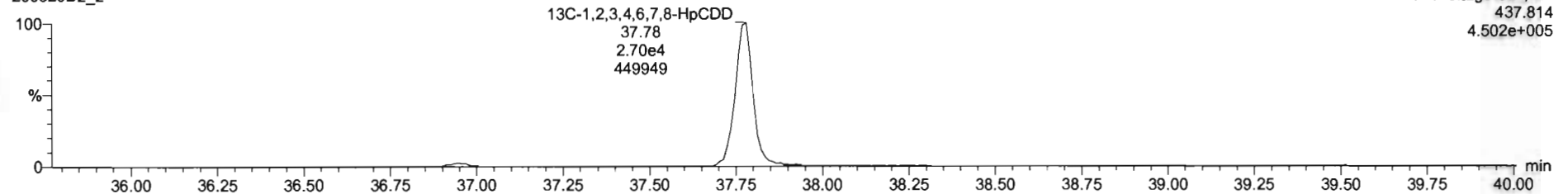


13C-1,2,3,4,6,7,8-HpCDD

200526D2_2



200526D2_2



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

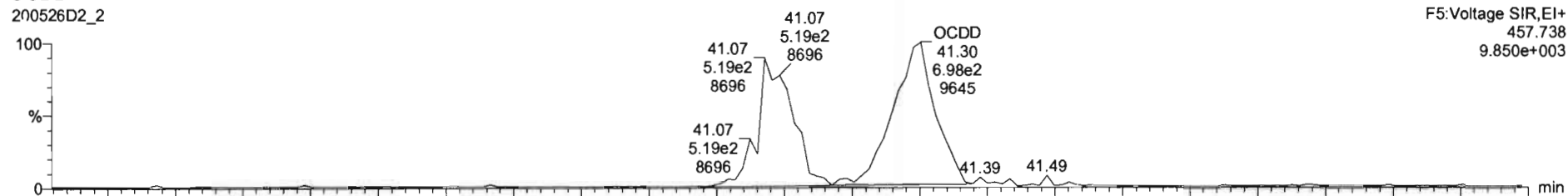
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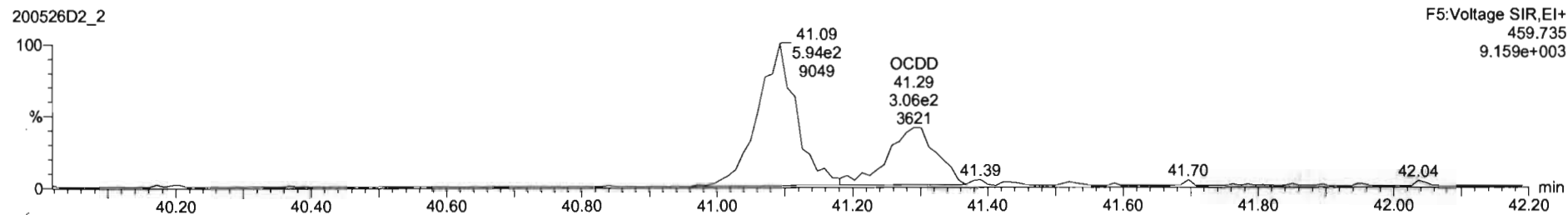
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OCDD

200526D2_2

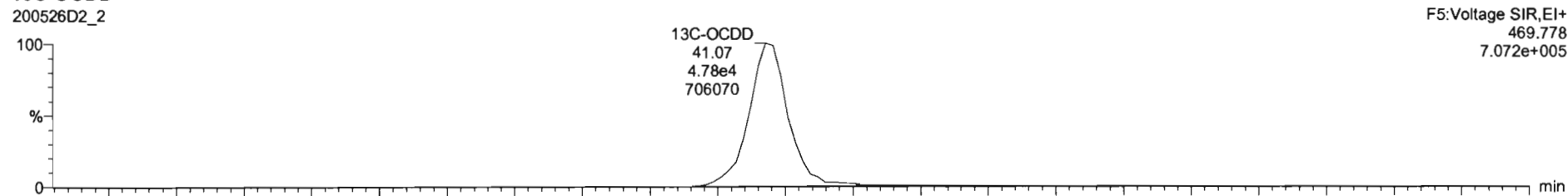


200526D2_2

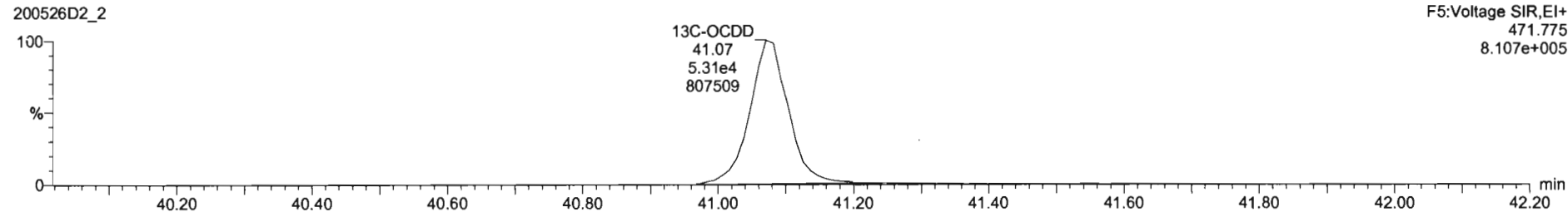


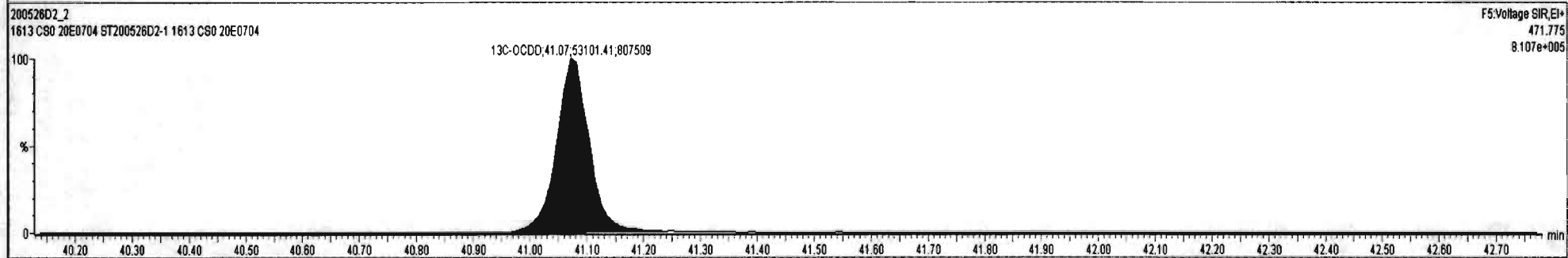
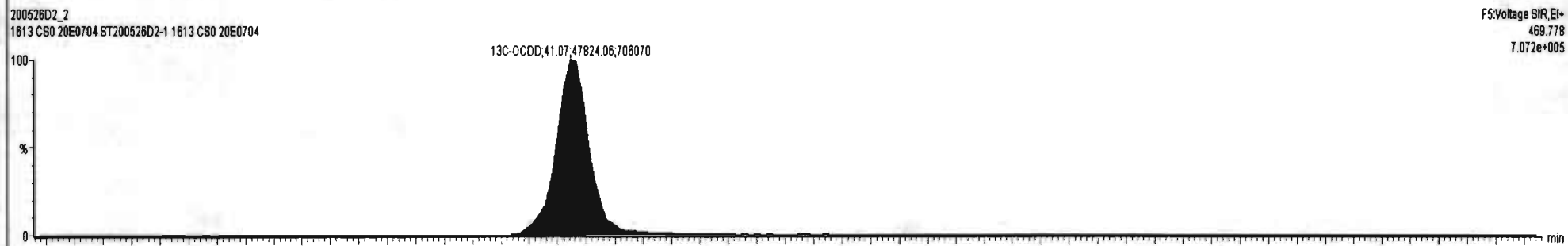
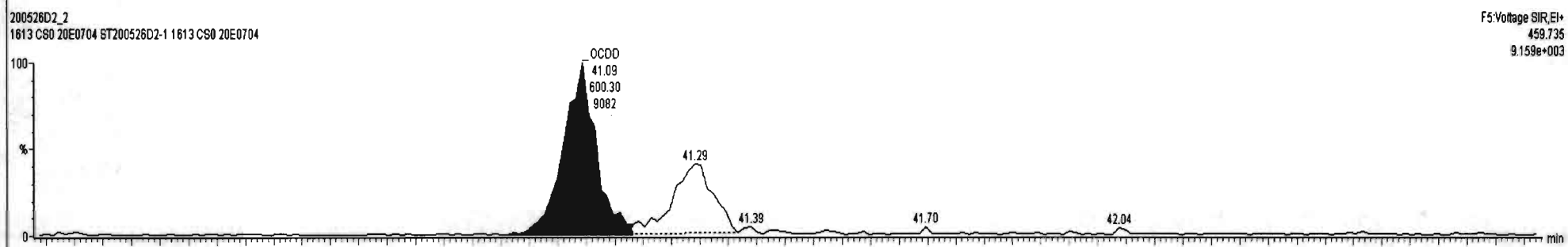
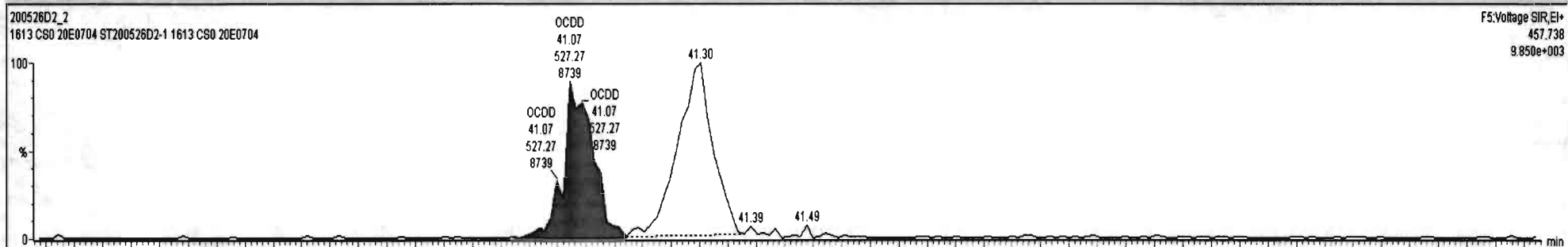
13C-OCDD

200526D2_2



200526D2_2



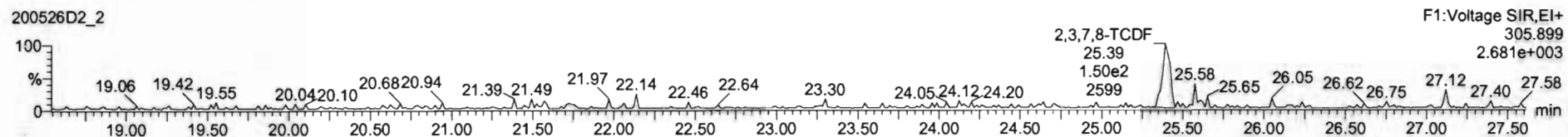
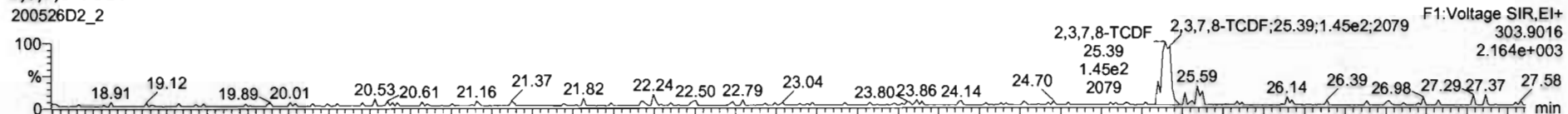


Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

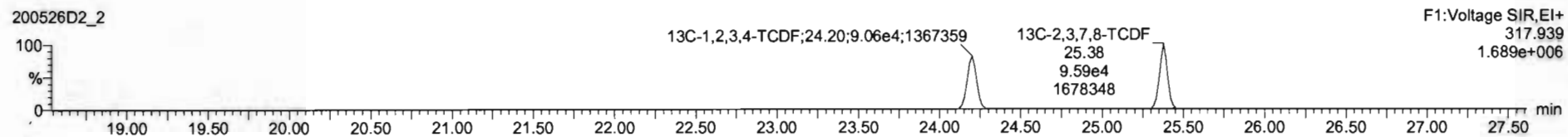
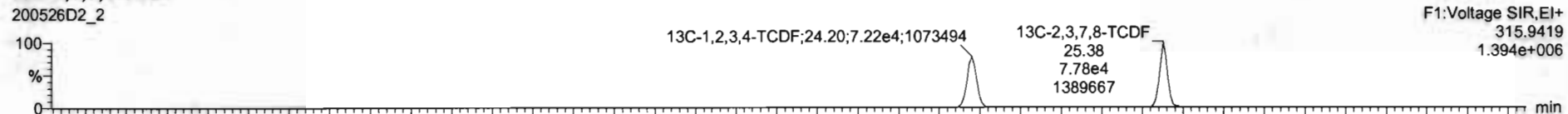
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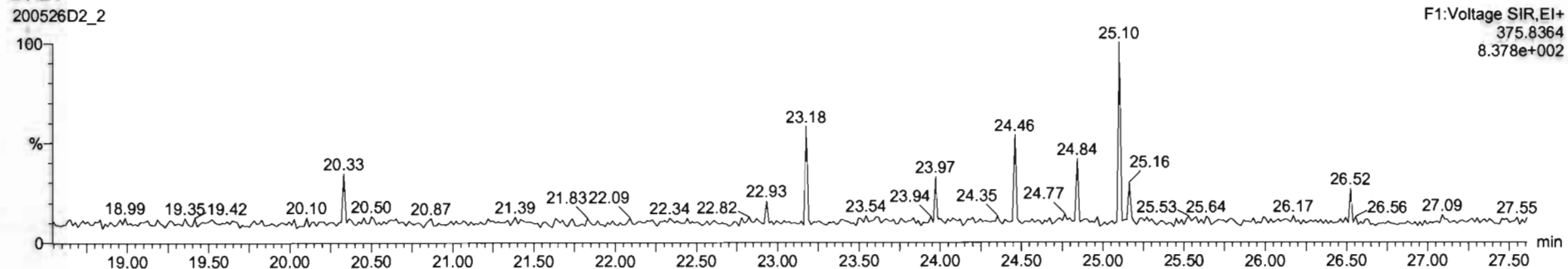
2,3,7,8-TCDF

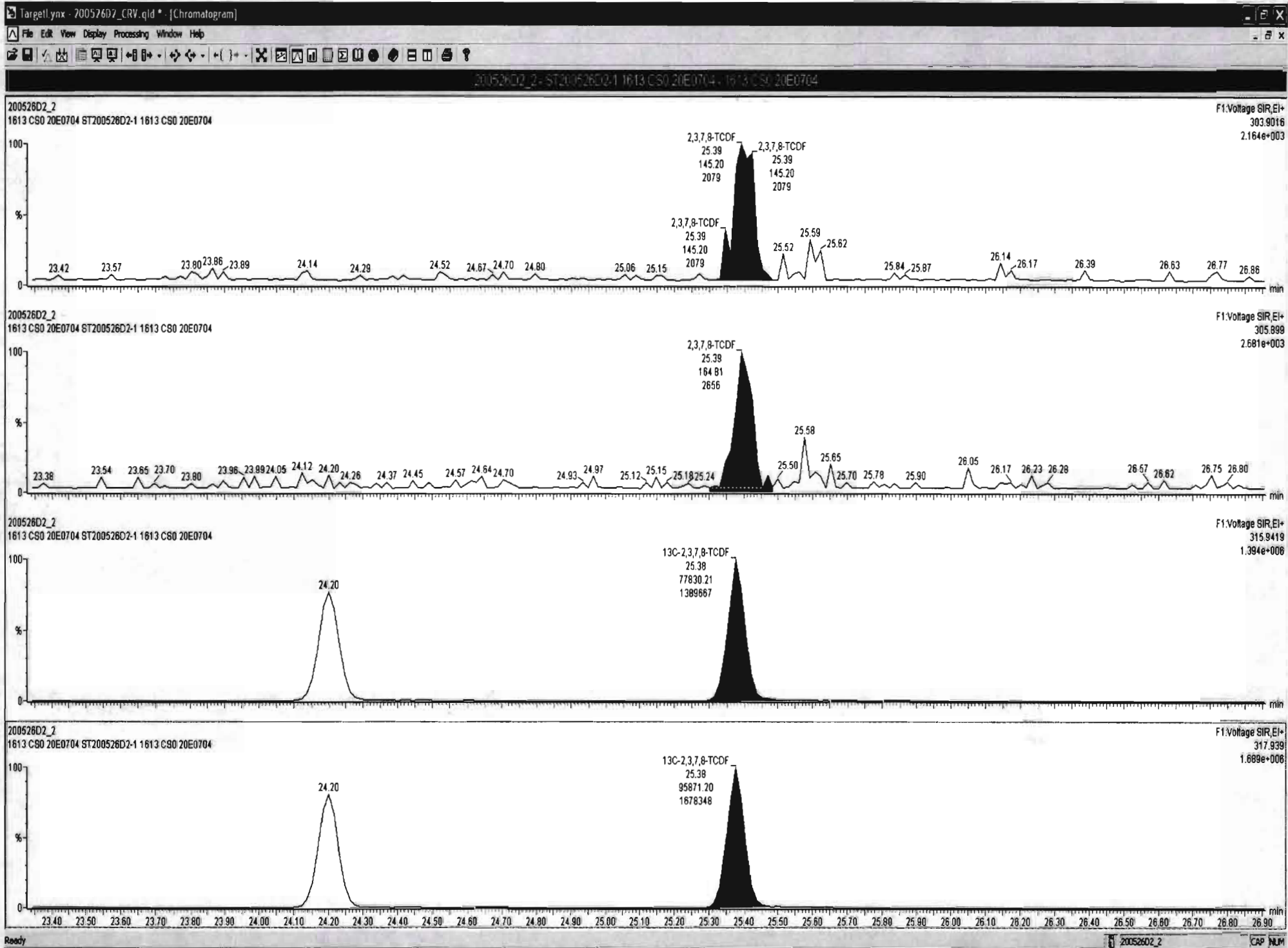


13C-2,3,7,8-TCDF



DPE1





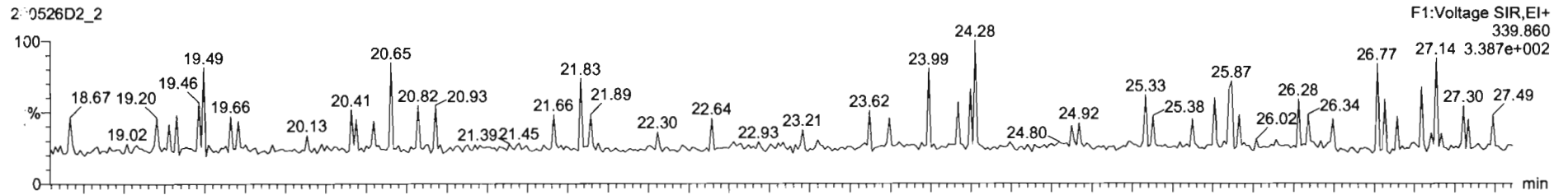
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

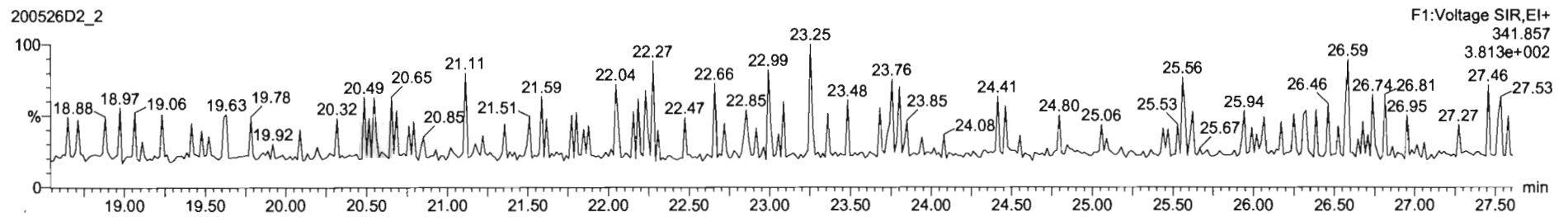
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200526D2_2

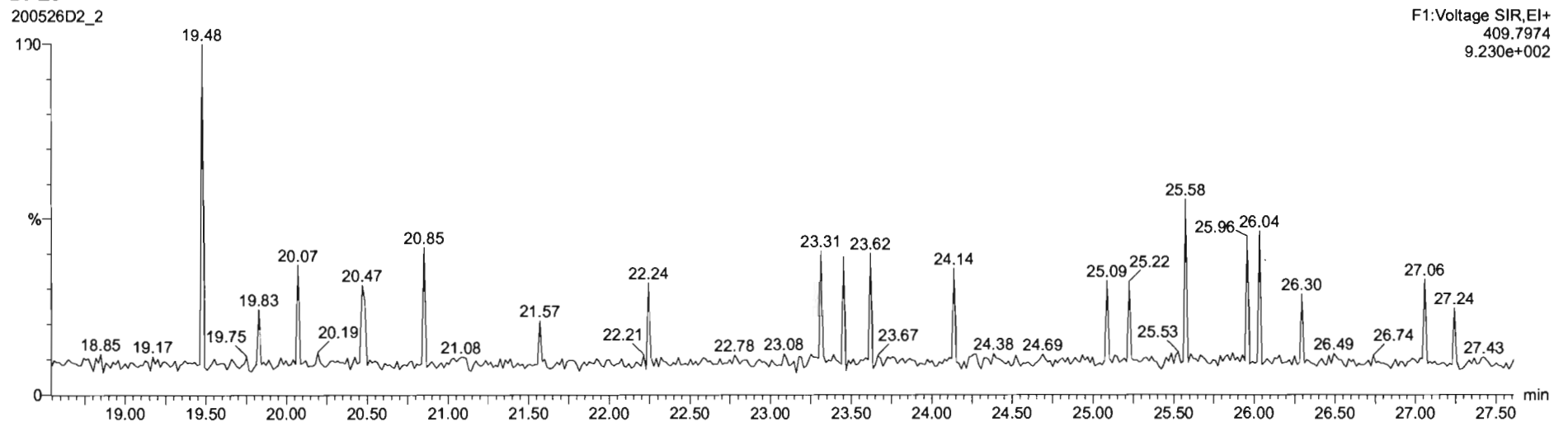


200526D2_2



DPE6

200526D2_2



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

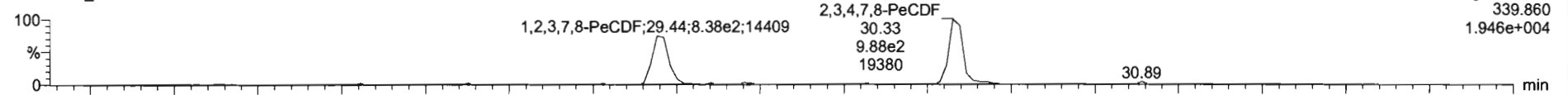
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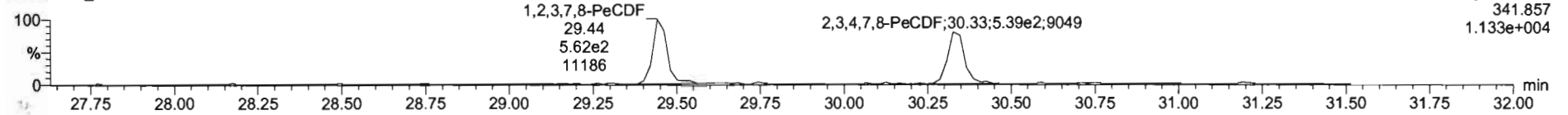
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1,2,3,7,8-PeCDF

200526D2_2

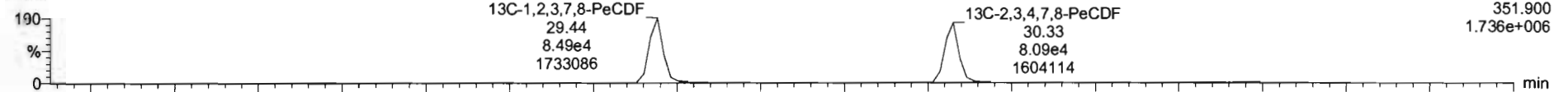


200526D2_2

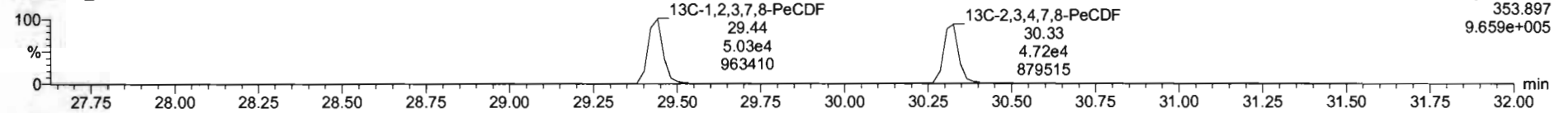


13C-1,2,3,7,8-PeCDF

200526D2_2

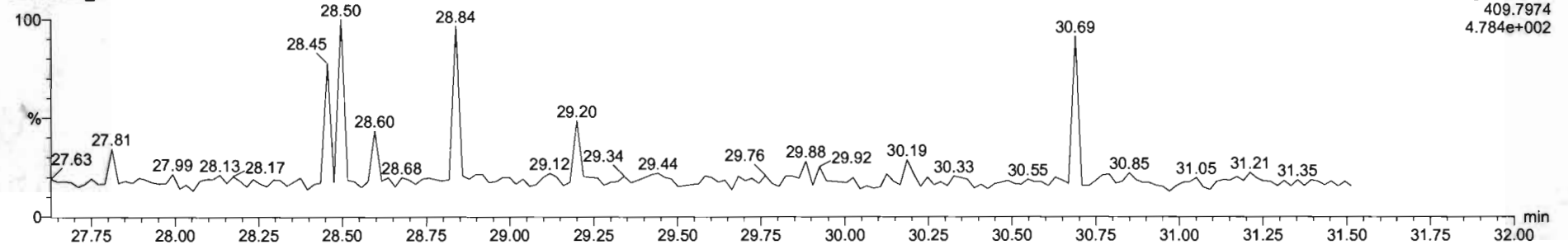


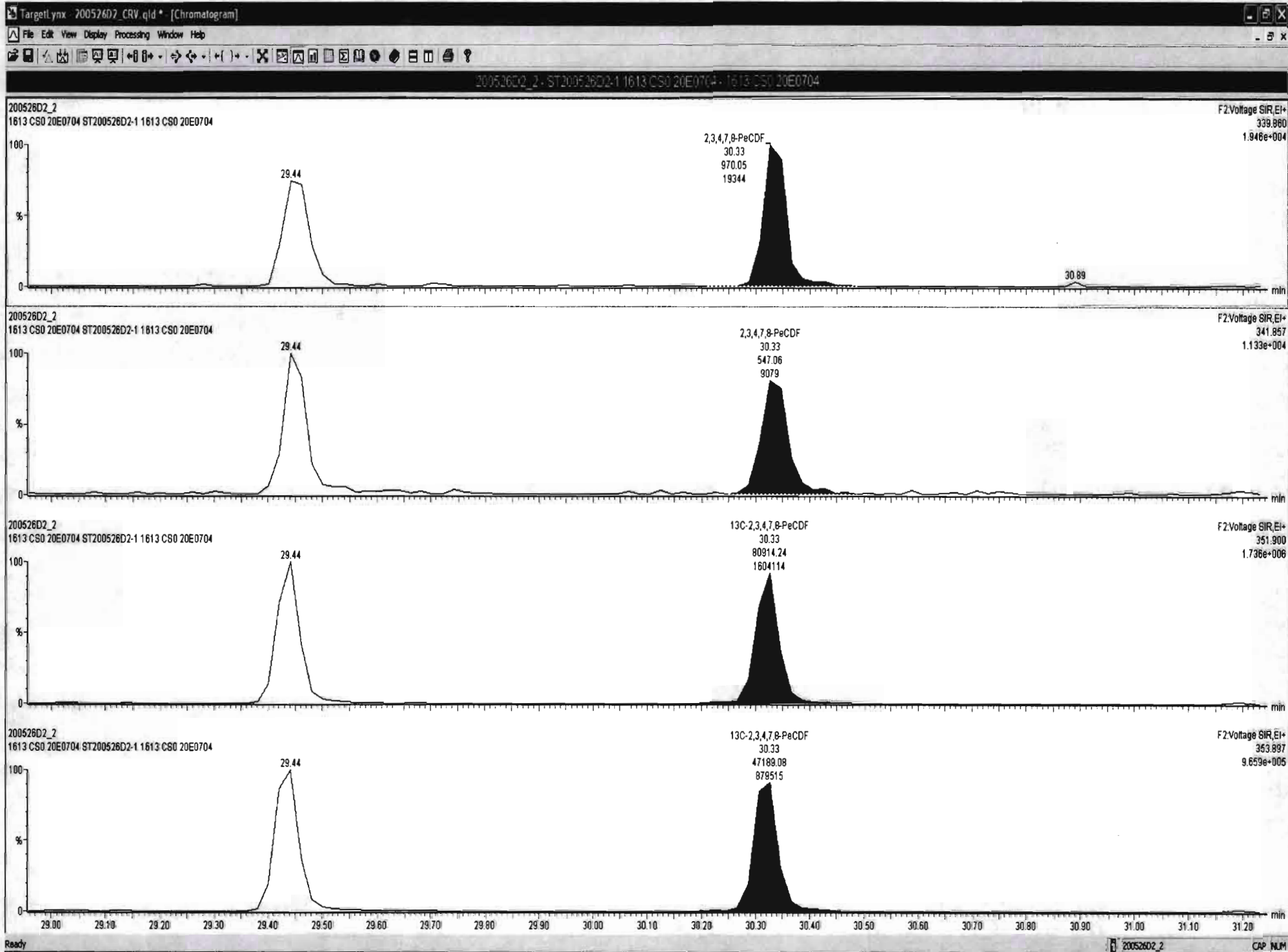
200526D2_2



DPE2

200526D2_2





Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

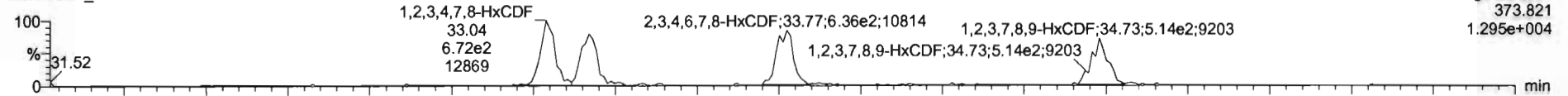
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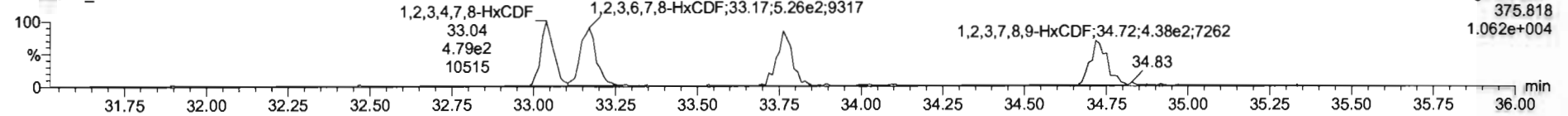
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1,2,3,4,7,8-HxCDF

200526D2_2

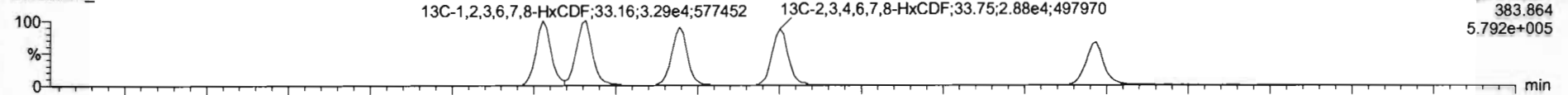


200526D2_2

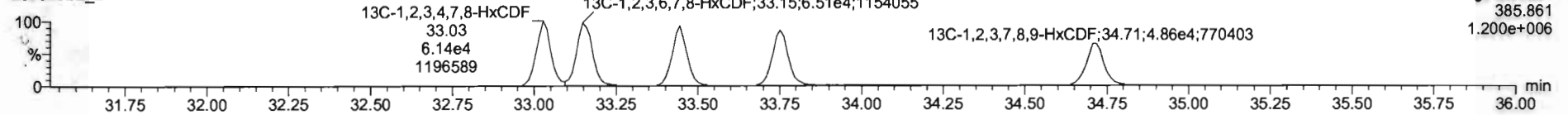


13C-1,2,3,4,7,8-HxCDF

200526D2_2

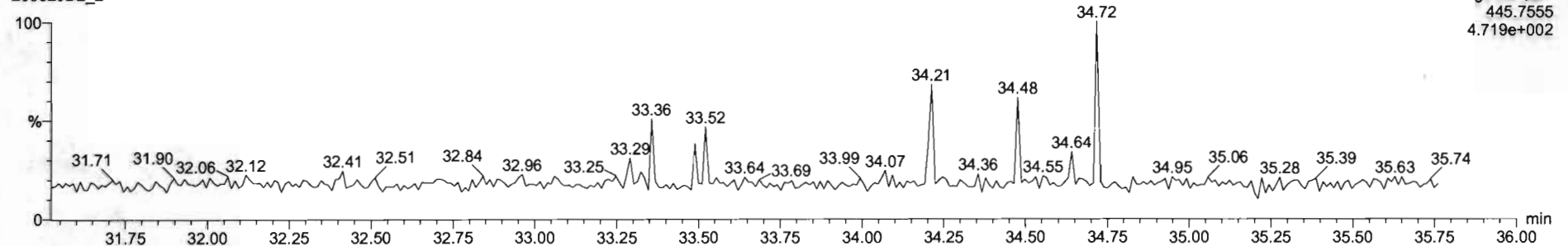


200526D2_2



DPE3

200526D2_2



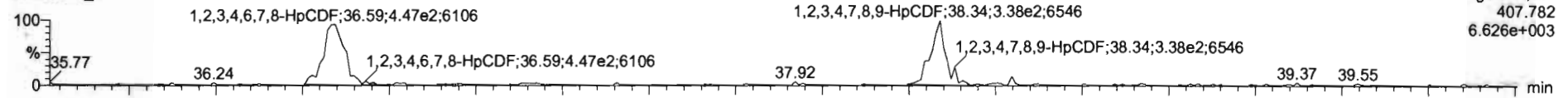
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Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

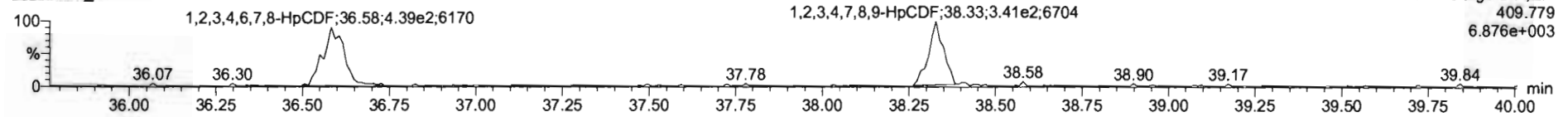
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1,2,3,4,6,7,8-HpCDF

200526D2_2

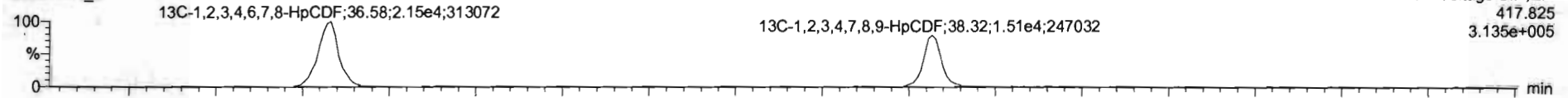


200526D2_2

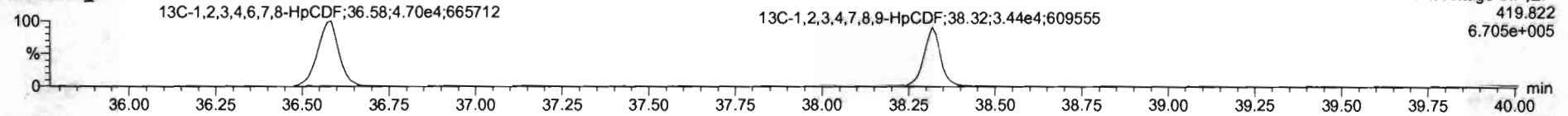


13C-1,2,3,4,6,7,8-HpCDF

200526D2_2

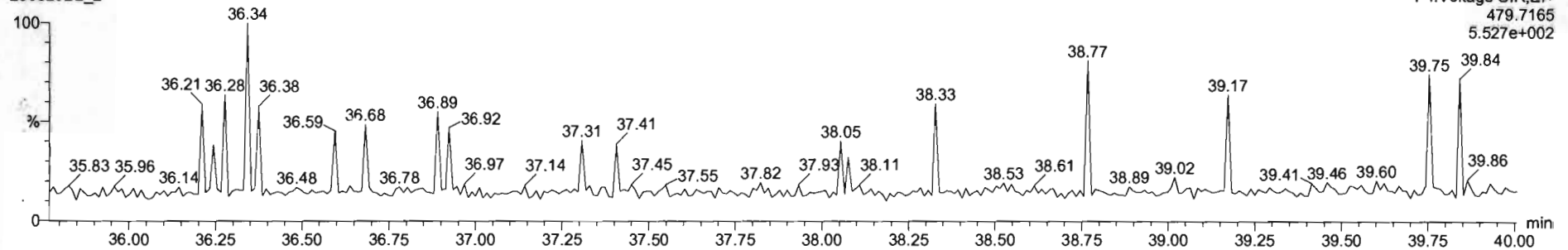


200526D2_2



DPE4

200526D2_2



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

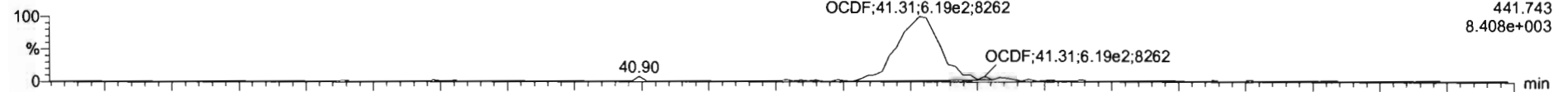
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

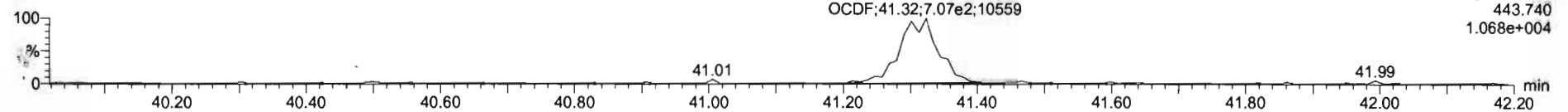
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OCDF

200526D2_2

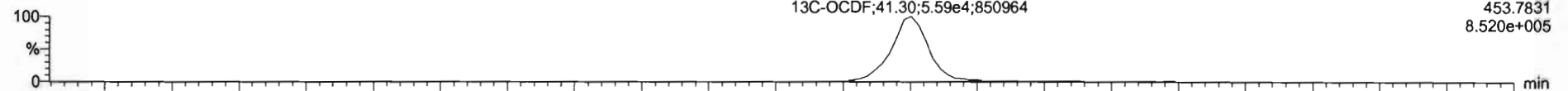


200526D2_2

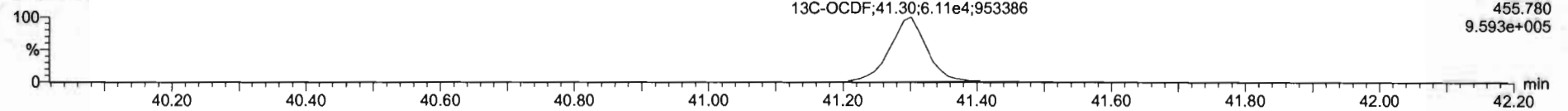


13C-OCDF

200526D2_2

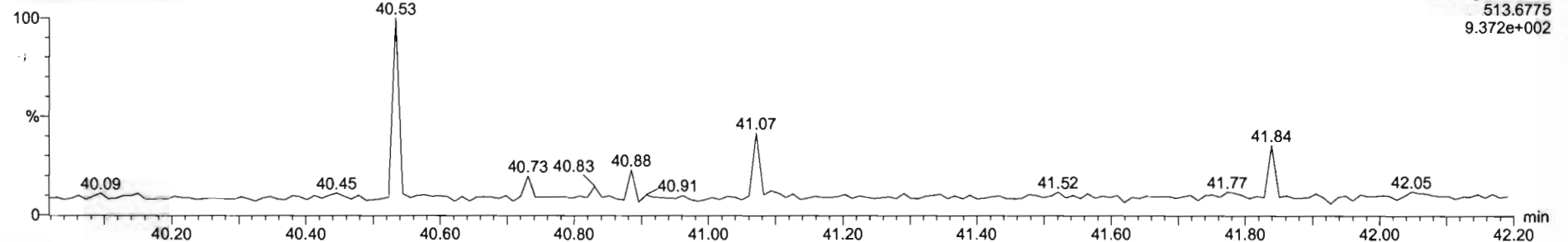


200526D2_2



DPE5

200526D2_2

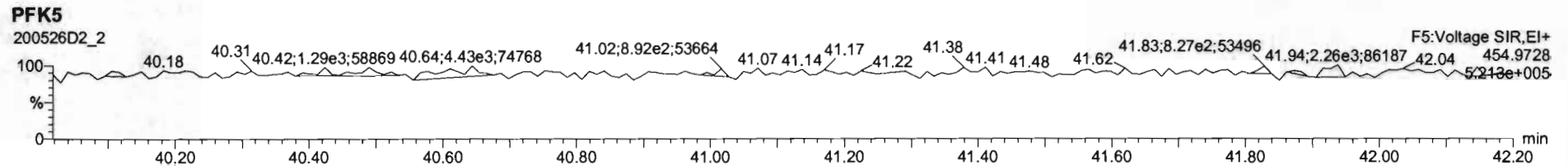
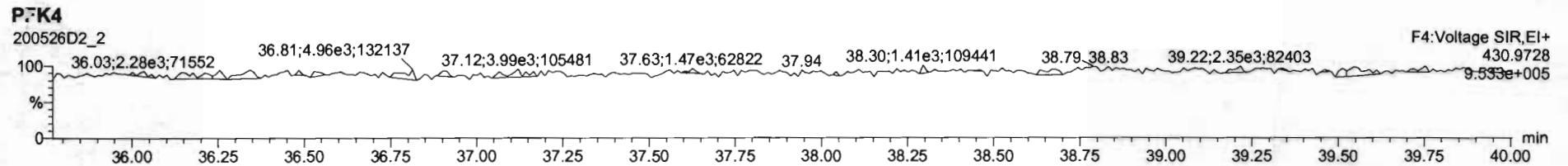
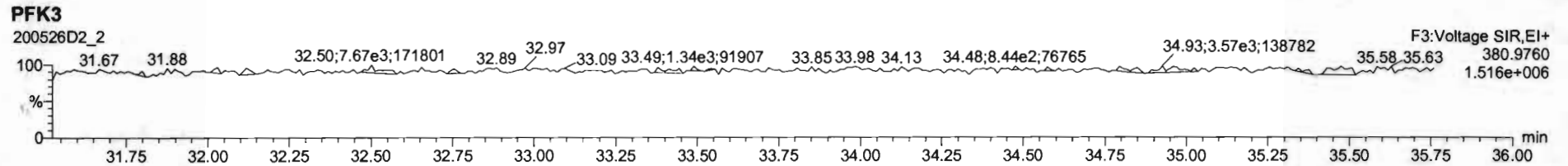
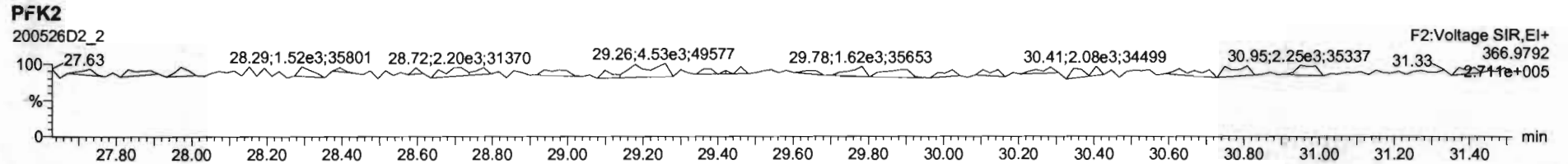
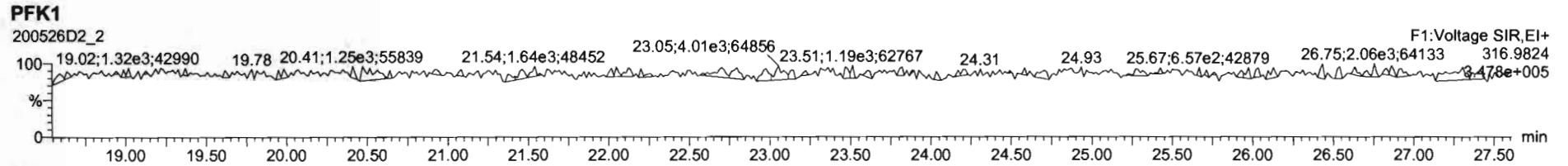


Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time

Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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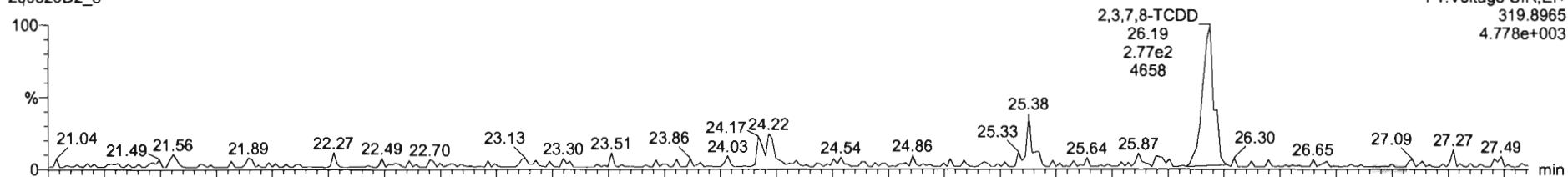
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

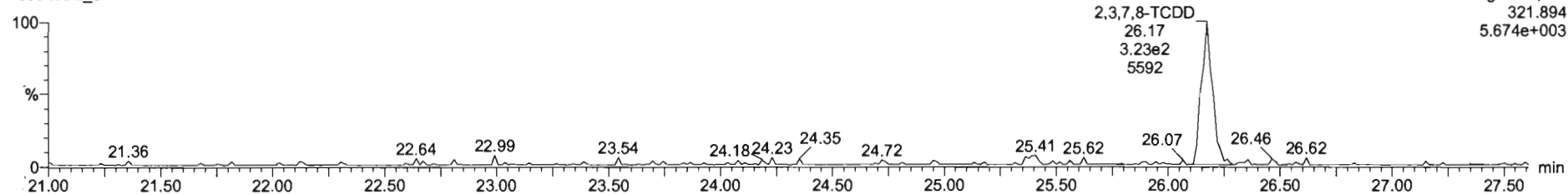
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2,3,7,8-TCDD

200526D2_3

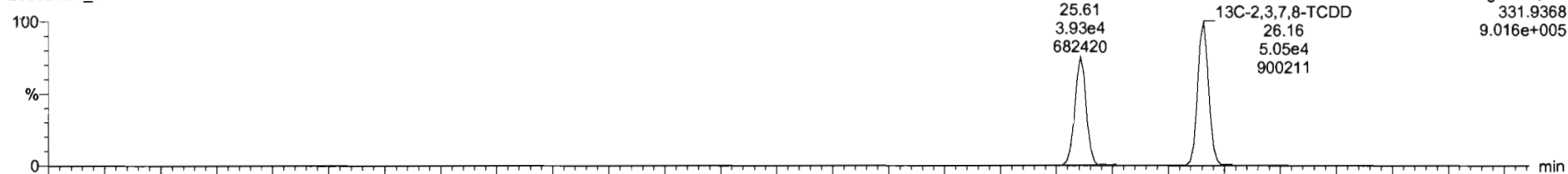


200526D2_3

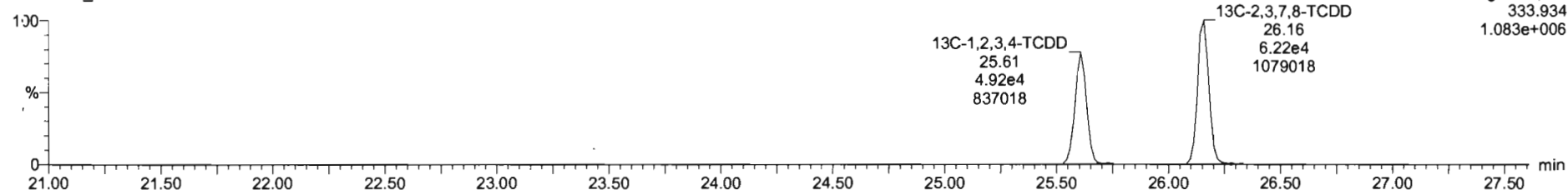


13C-2,3,7,8-TCDD

200526D2_3



200526D2_3



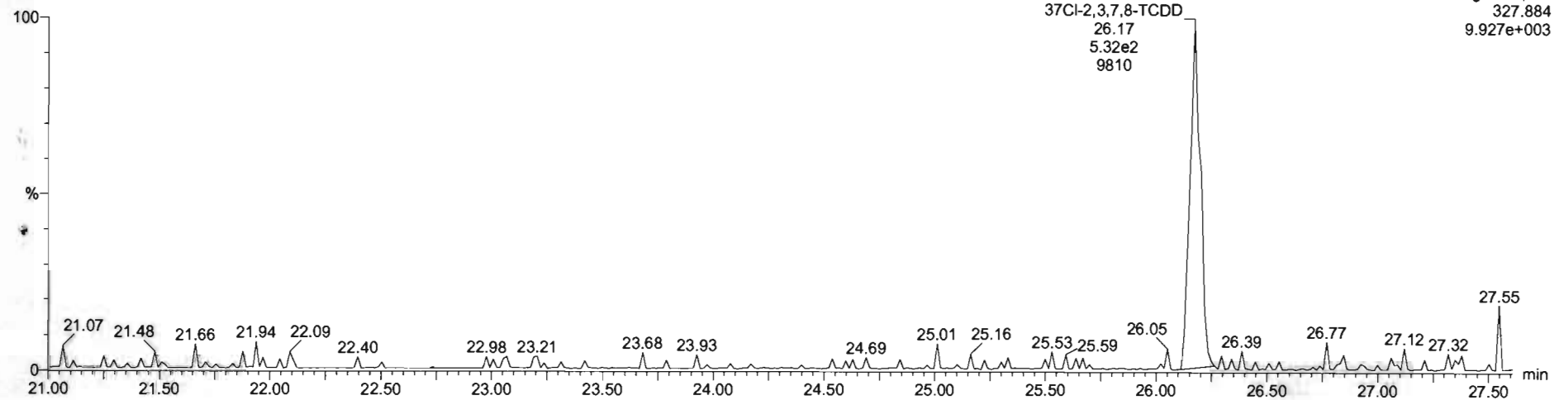
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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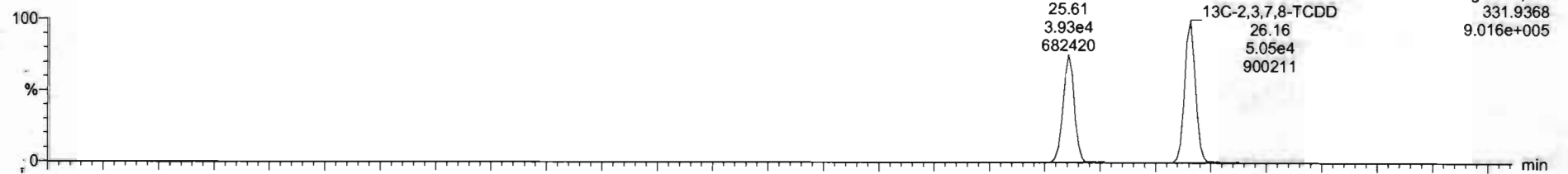
37Cl-2,3,7,8-TCDD

200526D2_3

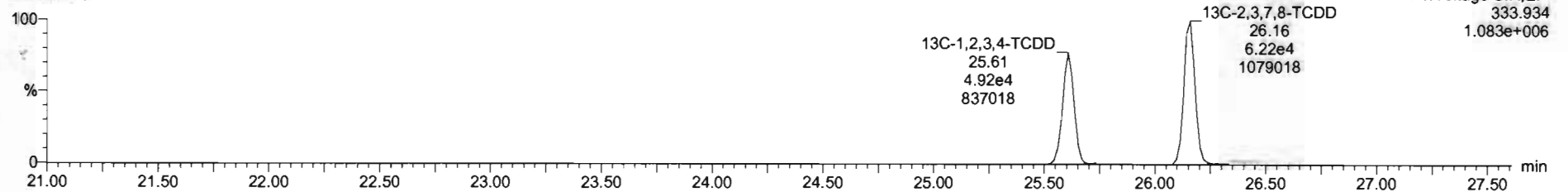


13C-1,2,3,4-TCDD

200526D2_3



200526D2_3



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

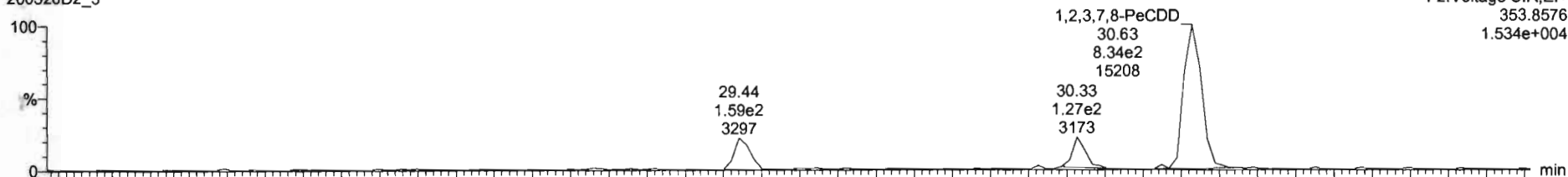
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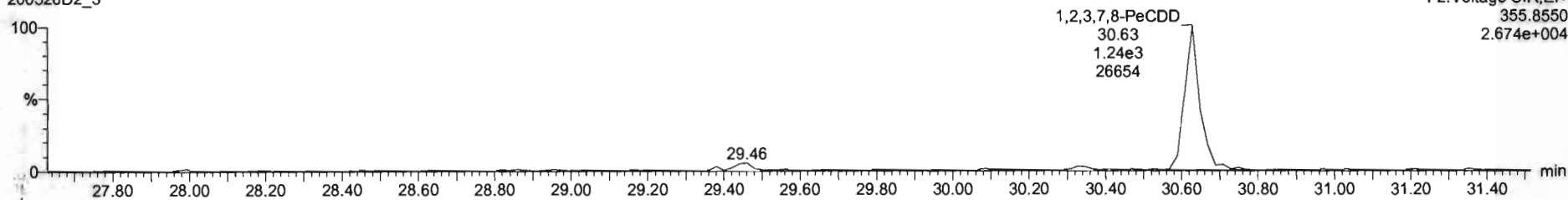
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1,2,3,7,8-PeCDD

200526D2_3

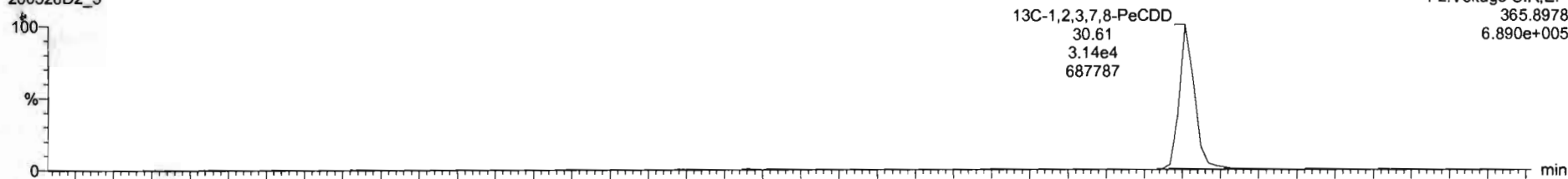


200526D2_3

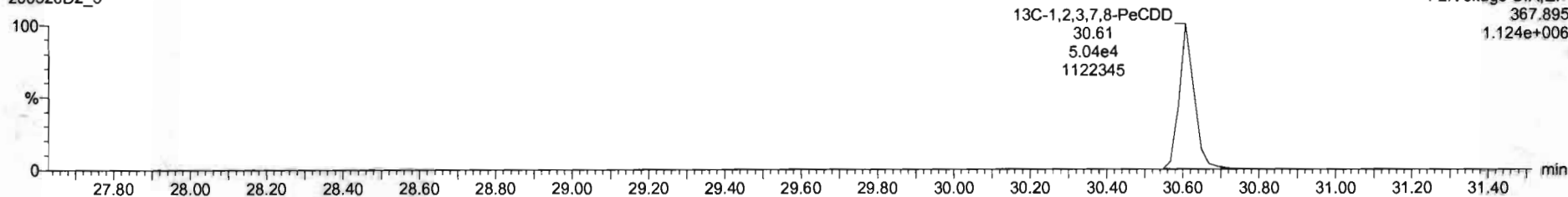


13C-1,2,3,7,8-PeCDD

200526D2_3



200526D2_3



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

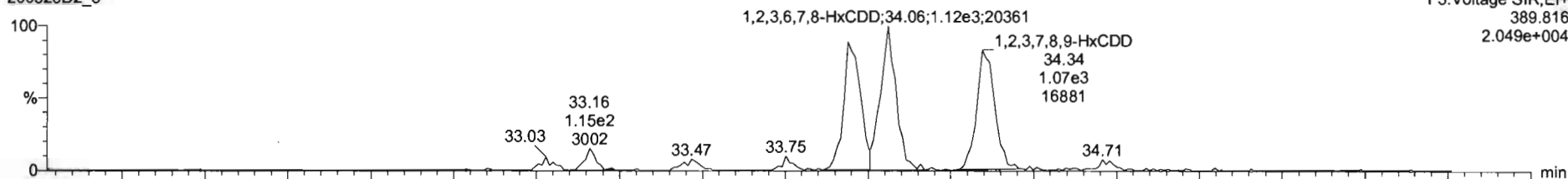
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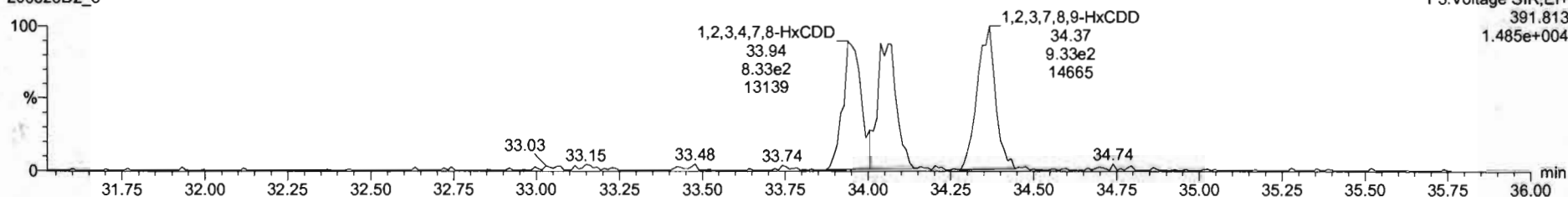
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1,2,3,4,7,8-HxCDD

200526D2_3

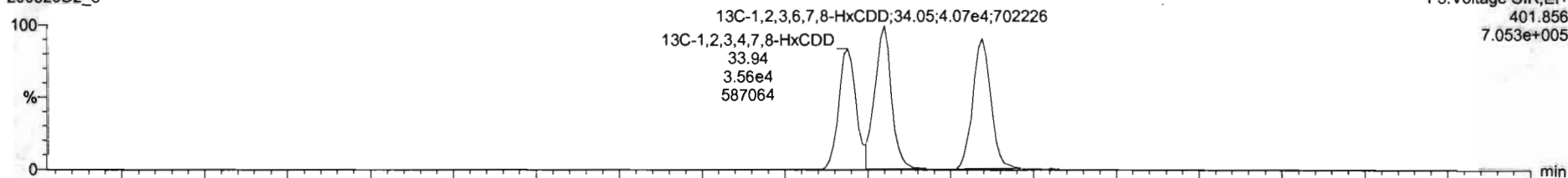


200526D2_3

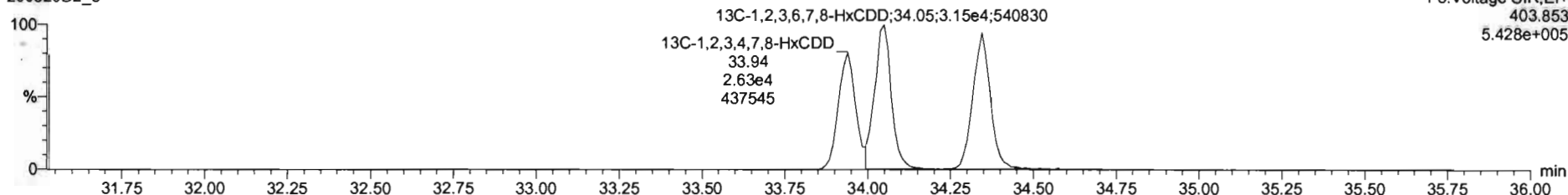


13C-1,2,3,4,7,8-HxCDD

200526D2_3



200526D2_3



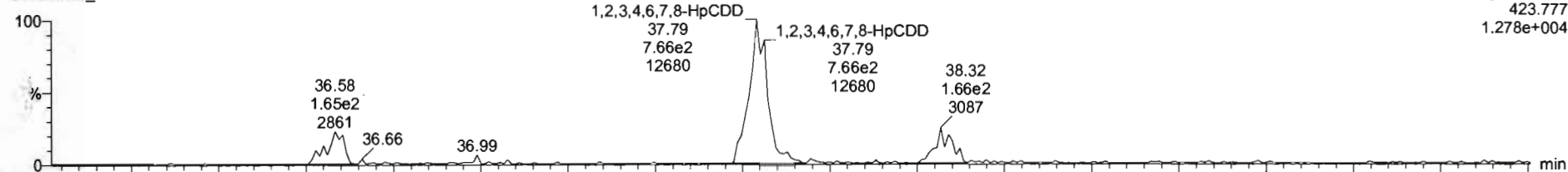
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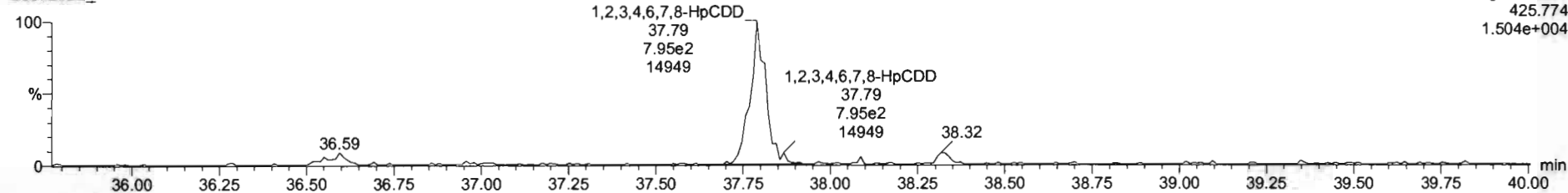
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1,2,3,4,6,7,8-HpCDD

200526D2_3

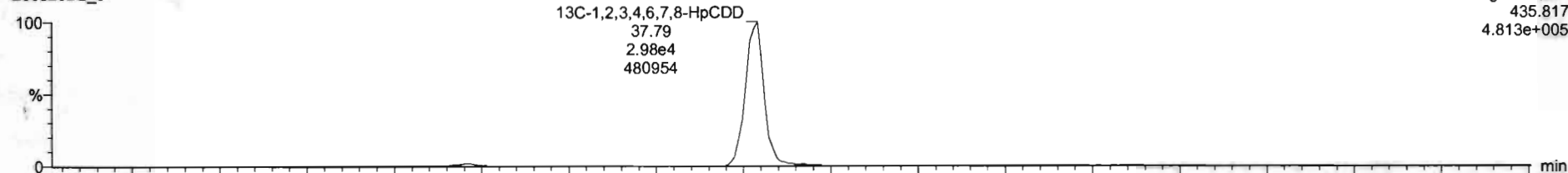


200526D2_3

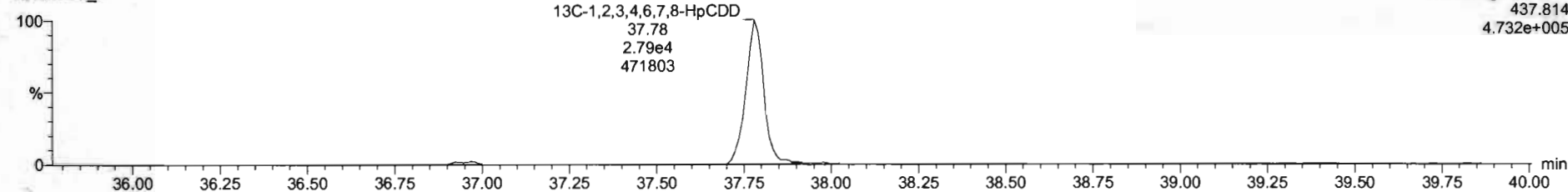


13C-1,2,3,4,6,7,8-HpCDD

200526D2_3



200526D2_3



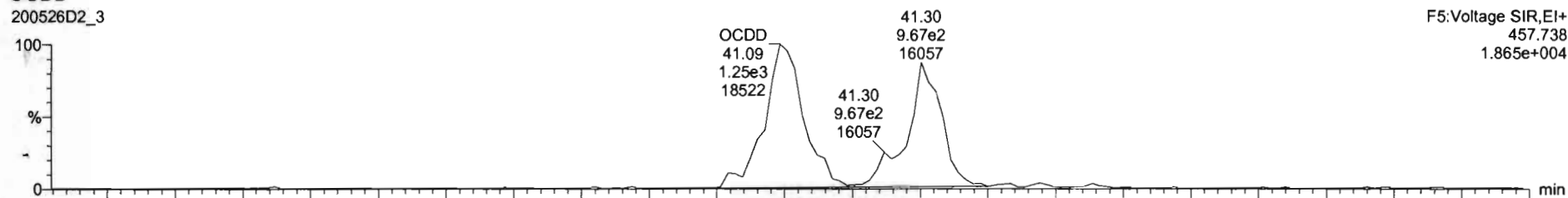
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Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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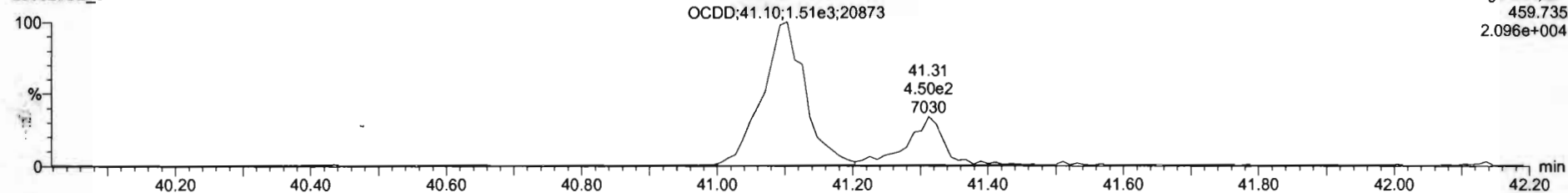
OCDD

200526D2_3



F5:Voltage SIR,EI+
457.738
1.865e+004

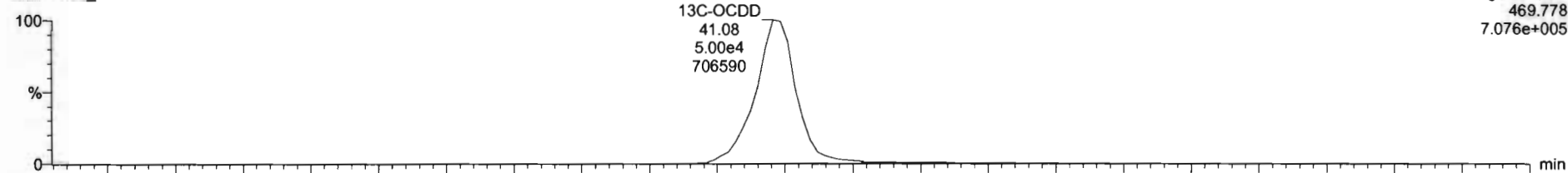
200526D2_3



F5:Voltage SIR,EI+
459.735
2.096e+004

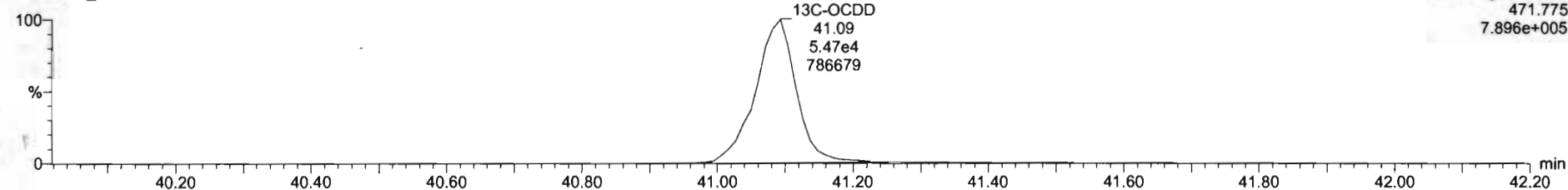
13C-OCDD

200526D2_3



F5:Voltage SIR,EI+
469.778
7.076e+005

200526D2_3



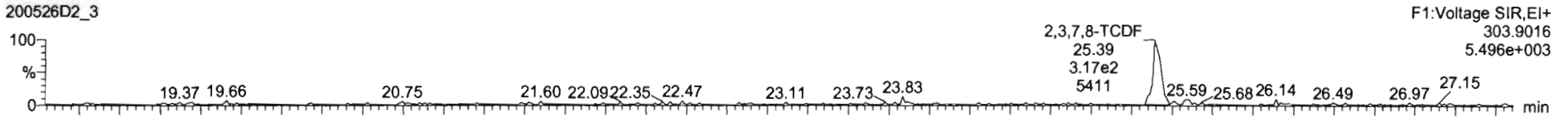
F5:Voltage SIR,EI+
471.775
7.896e+005

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

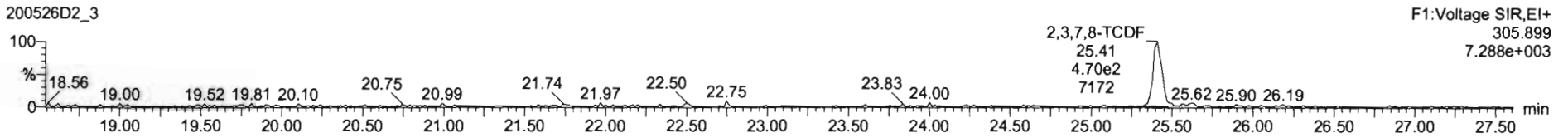
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2,3,7,8-TCDF
200526D2_3

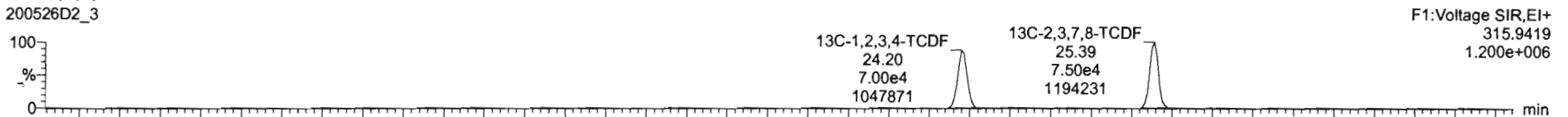


200526D2_3

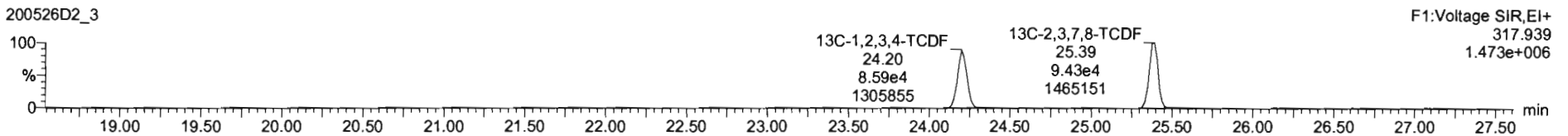


¹³C-2,3,7,8-TCDF

200526D2_3

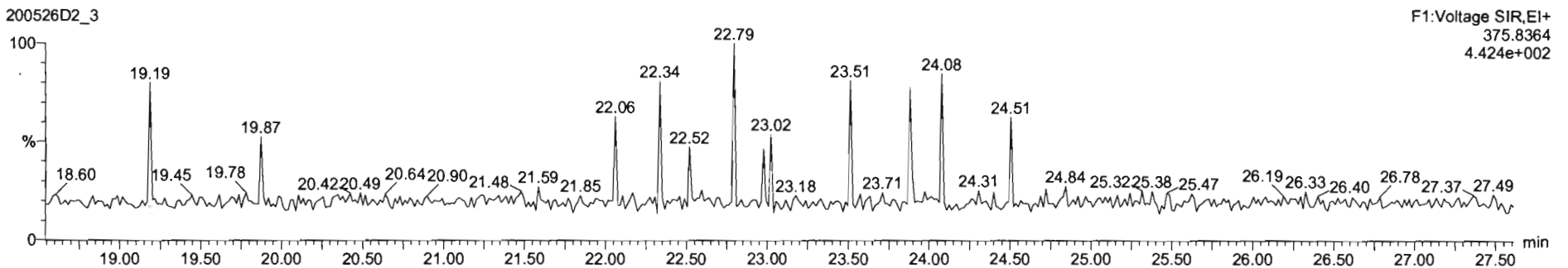


200526D2_3



DPE1

200526D2_3

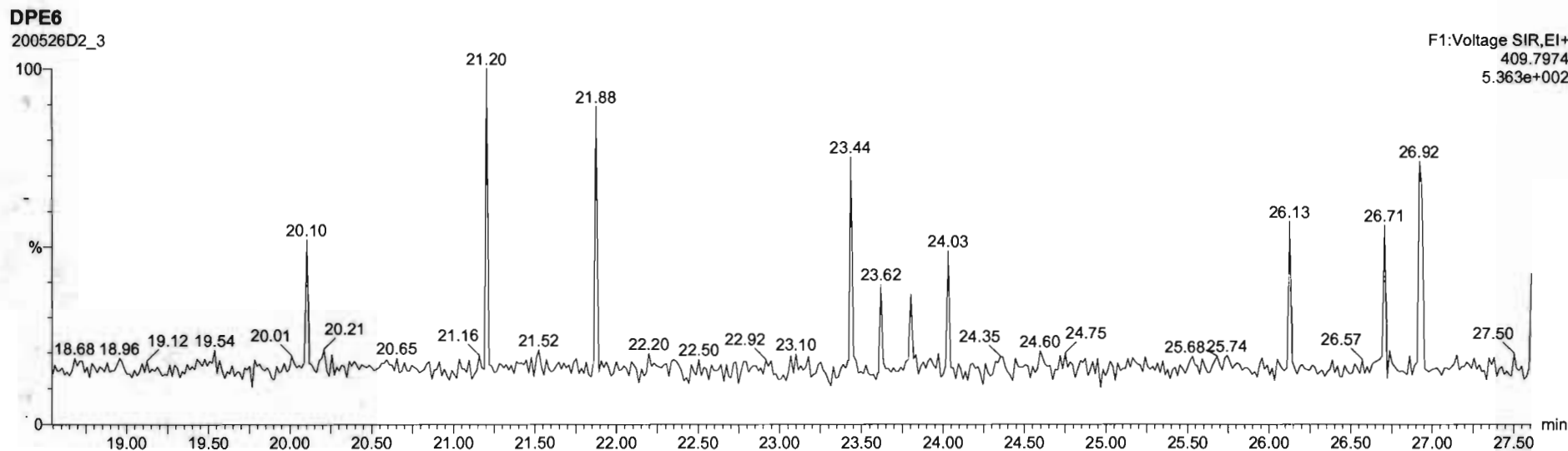
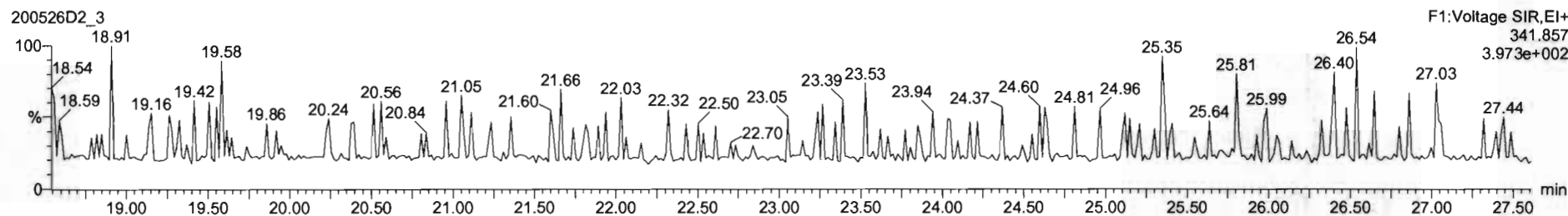
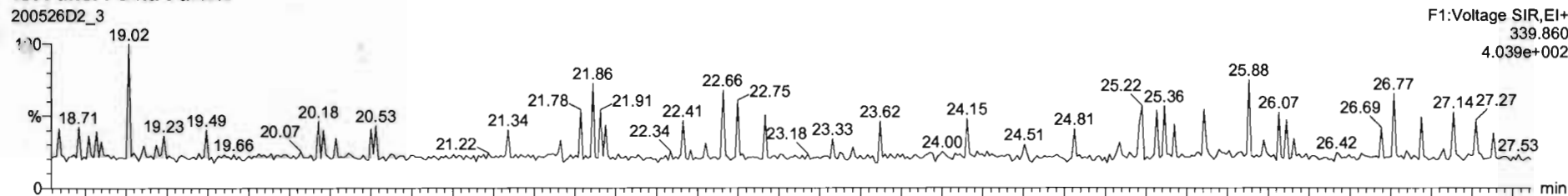


Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705

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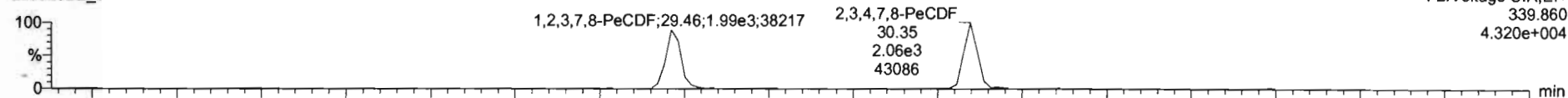
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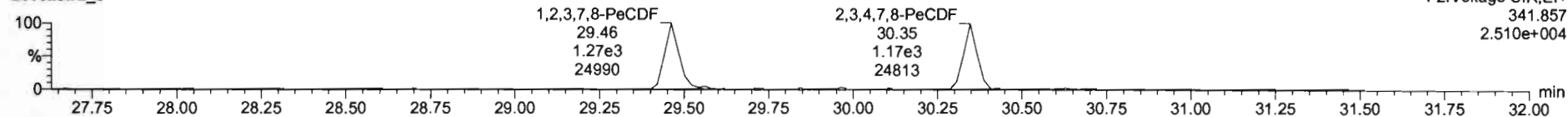
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1,2,3,7,8-PeCDF

200526D2_3

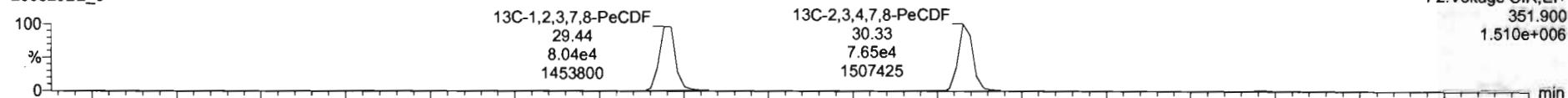


200526D2_3

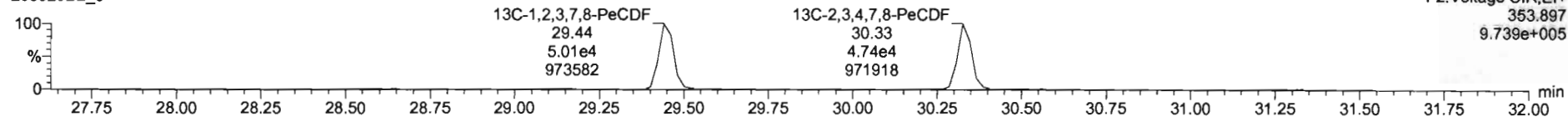


13C-1,2,3,7,8-PeCDF

200526D2_3

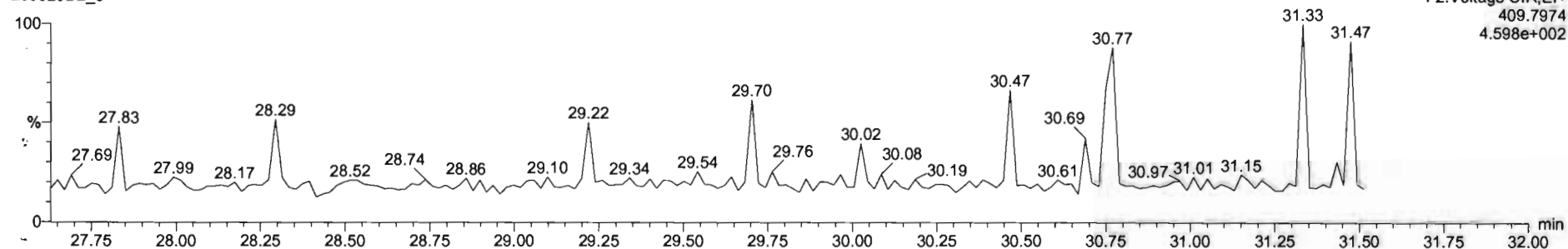


200526D2_3



DPE2

200526D2_3



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

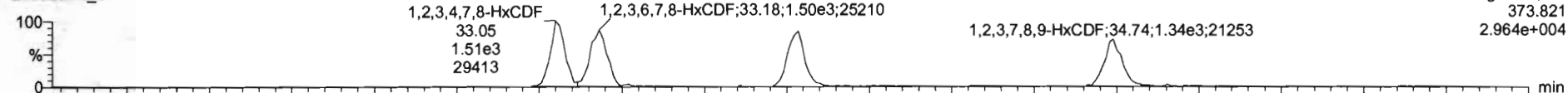
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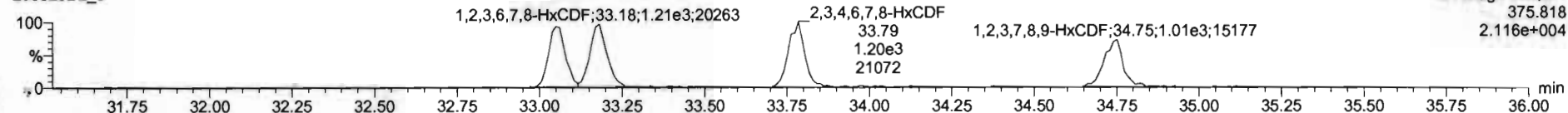
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1,2,3,4,7,8-HxCDF

200526D2_3

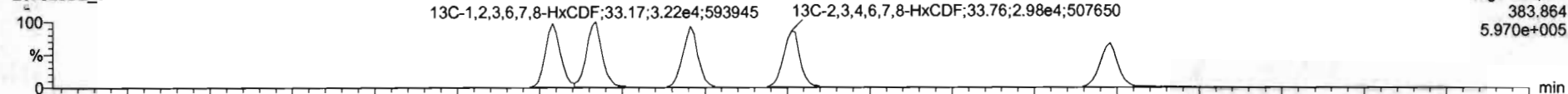


200526D2_3

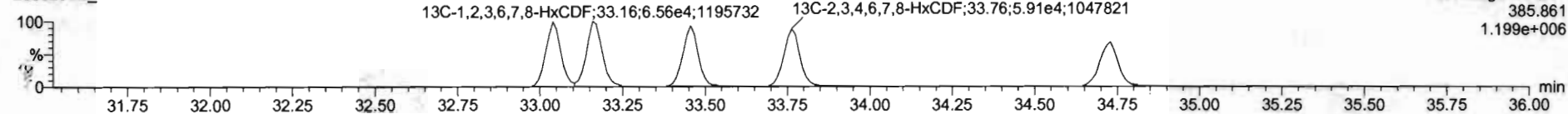


13C-1,2,3,4,7,8-HxCDF

200526D2_3

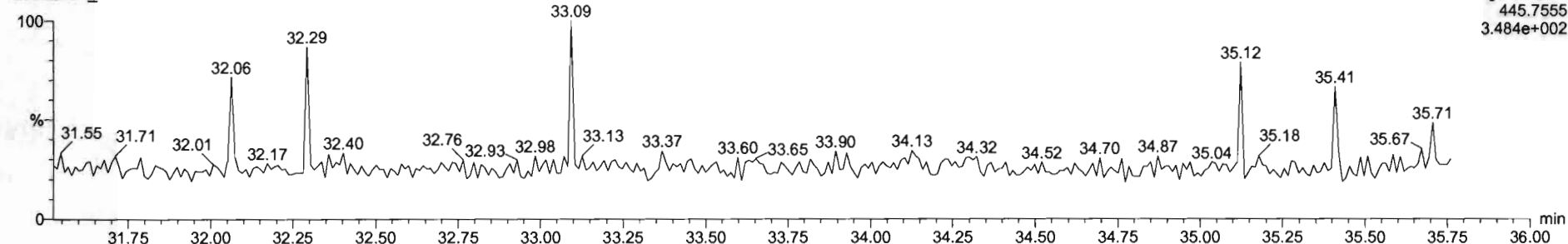


200526D2_3



DPE3

200526D2_3



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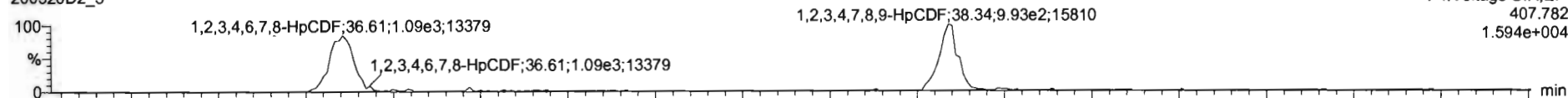
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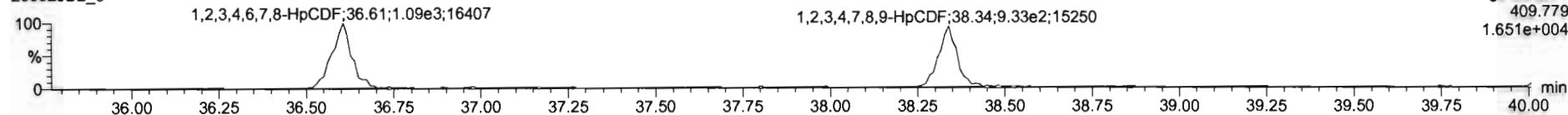
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1, 2, 3, 4, 6, 7, 8-HpCDF

200526D2_3

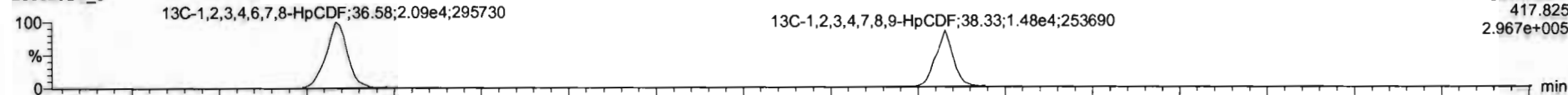


200526D2_3

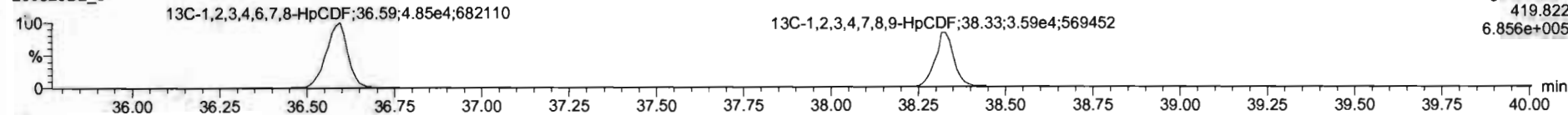


13C-1, 2, 3, 4, 6, 7, 8-HpCDF

200526D2_3

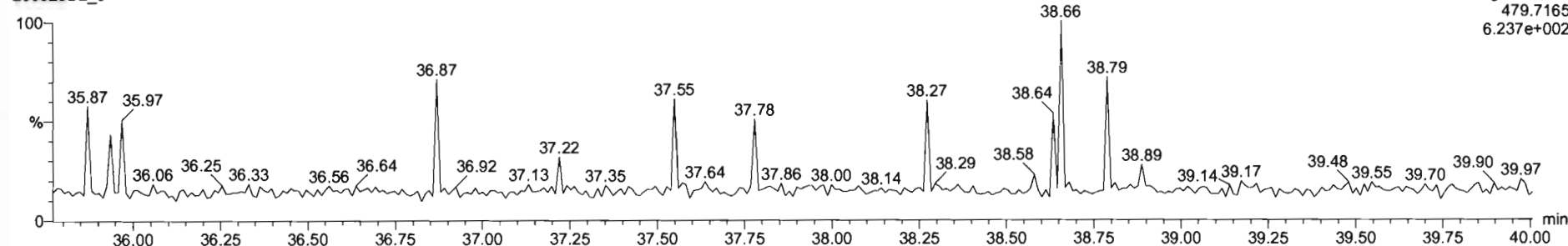


200526D2_3



DPE4

200526D2_3



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

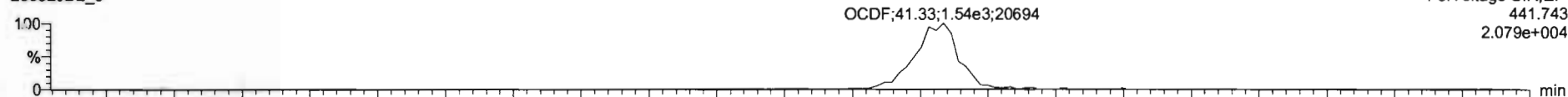
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

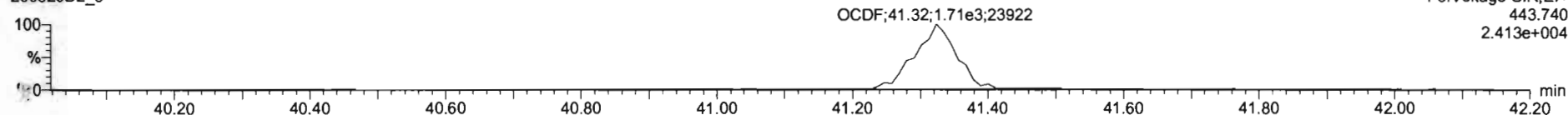
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OCDF

200526D2_3

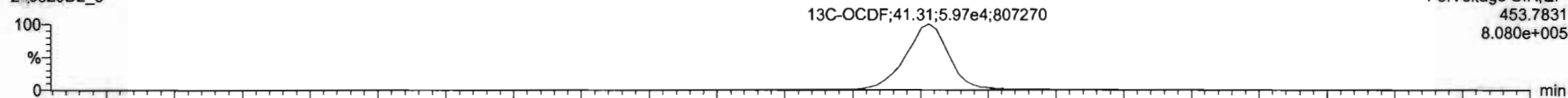


200526D2_3

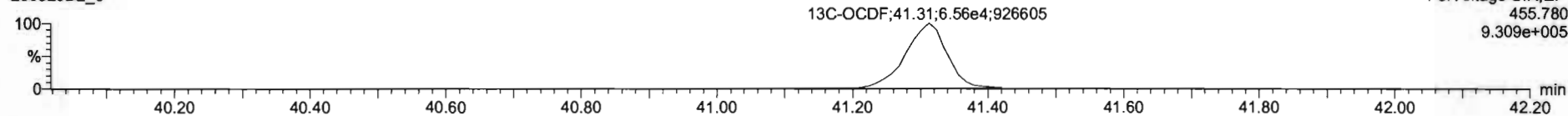


13C-OCDF

200526D2_3

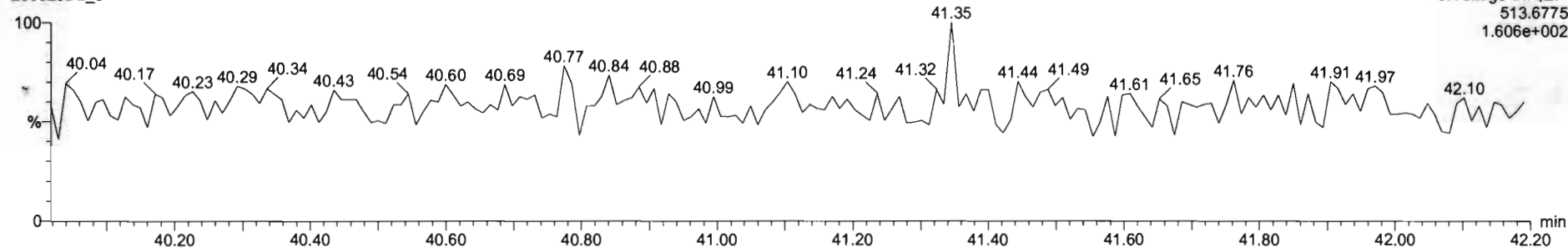


200526D2_3



DPE5

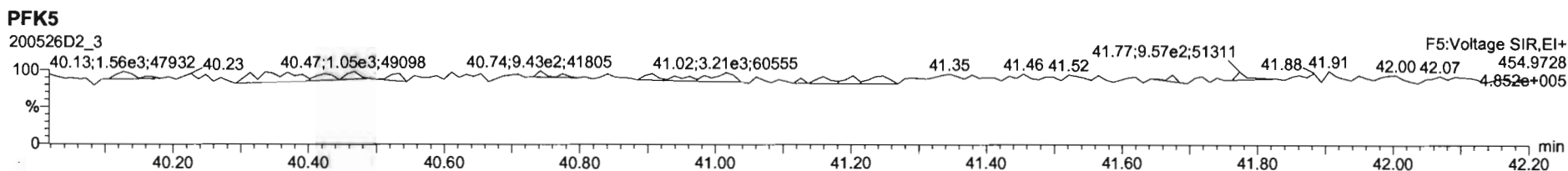
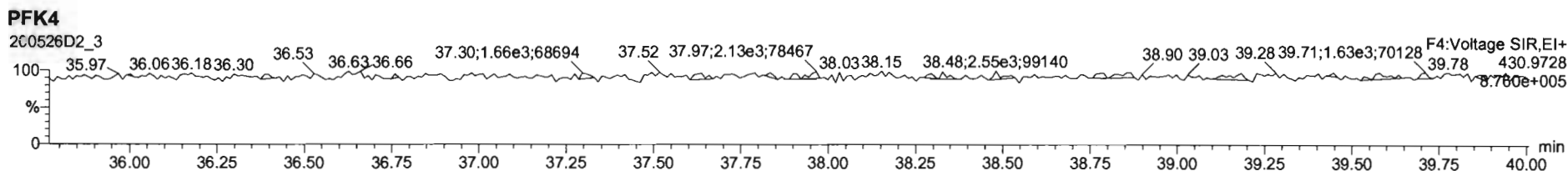
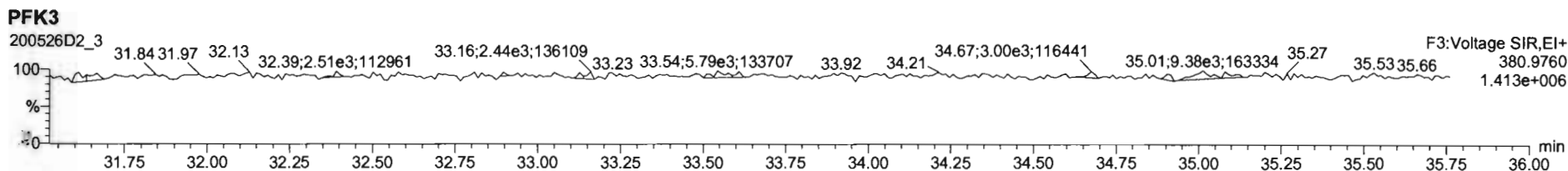
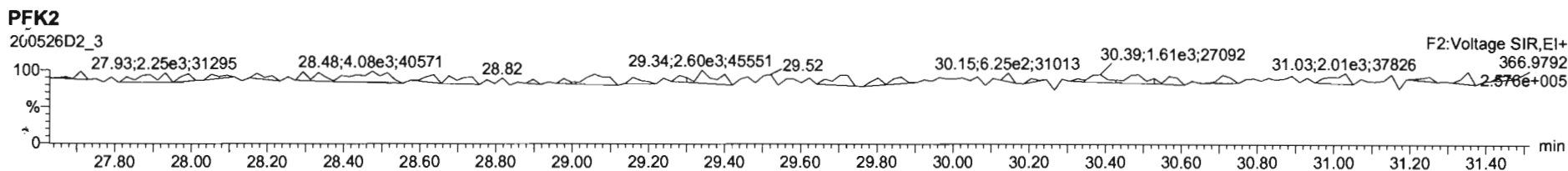
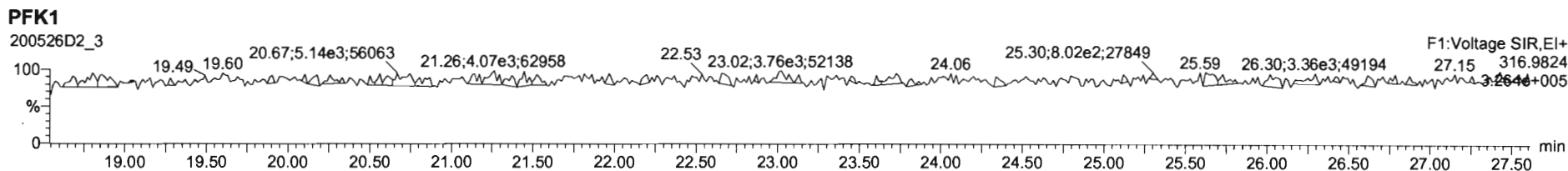
200526D2_3



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_3, Date: 26-May-2020, Time: 21:42:35, ID: ST200526D2-2 1613 CS1 20E0705, Description: 1613 CS1 20E0705



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

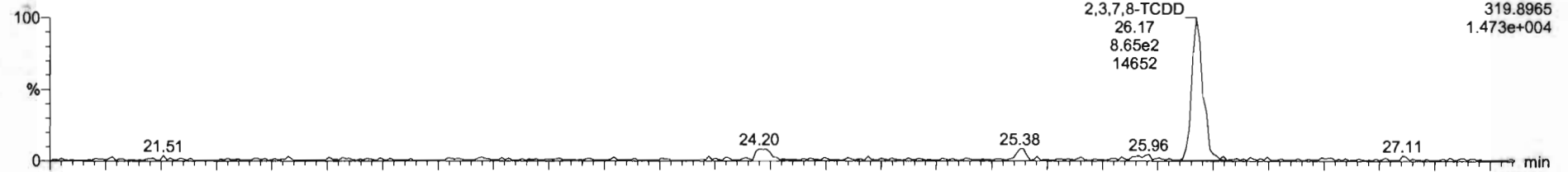
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

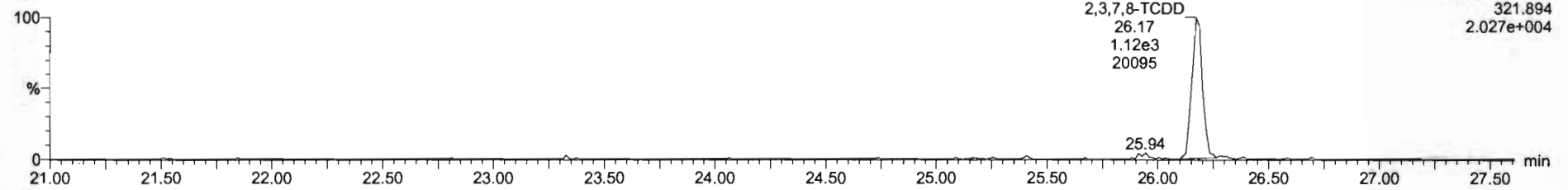
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2,3,7,8-TCDD

200526D2_4

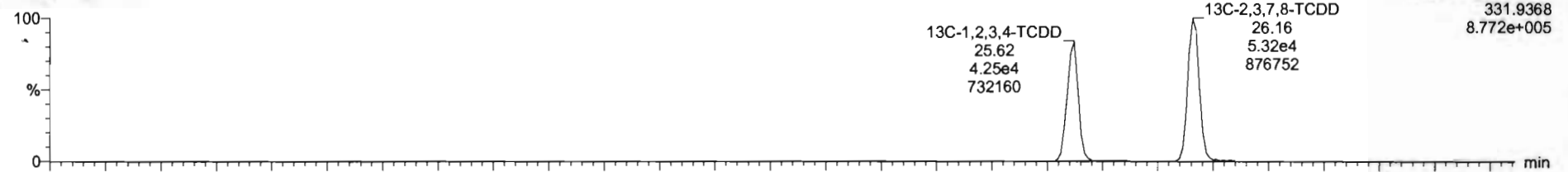


200526D2_4

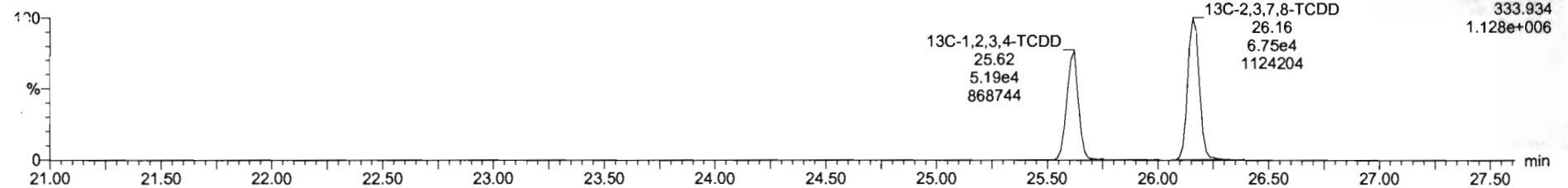


13C-2,3,7,8-TCDD

200526D2_4



200526D2_4



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

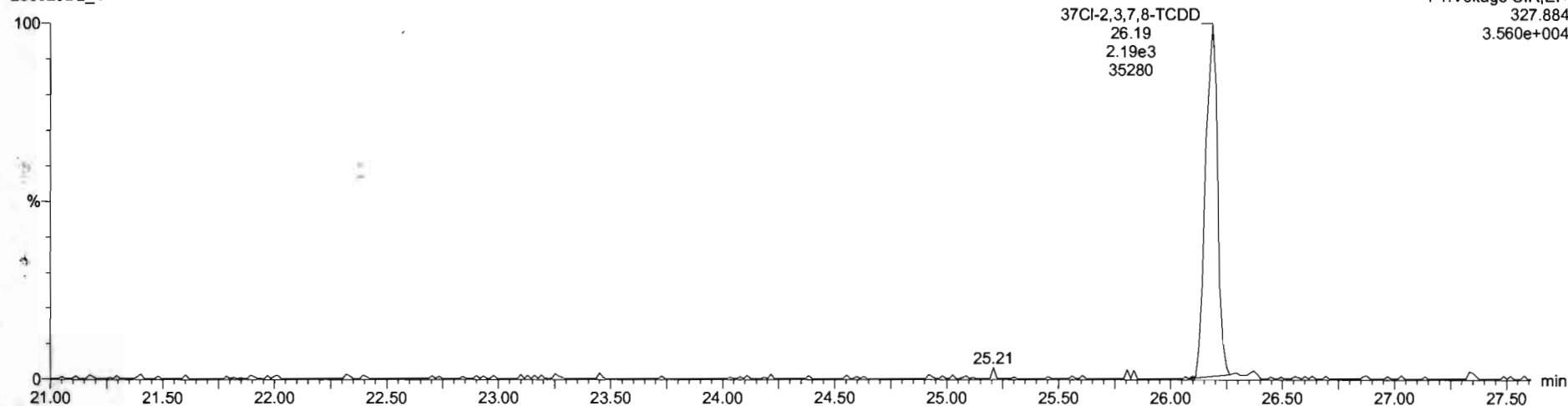
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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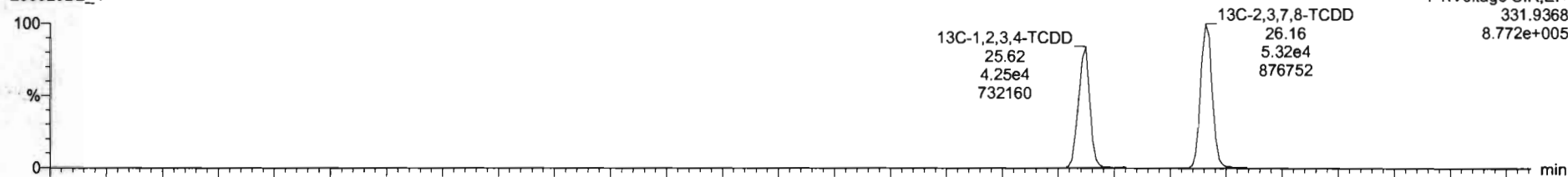
37Cl-2,3,7,8-TCDD

200526D2_4

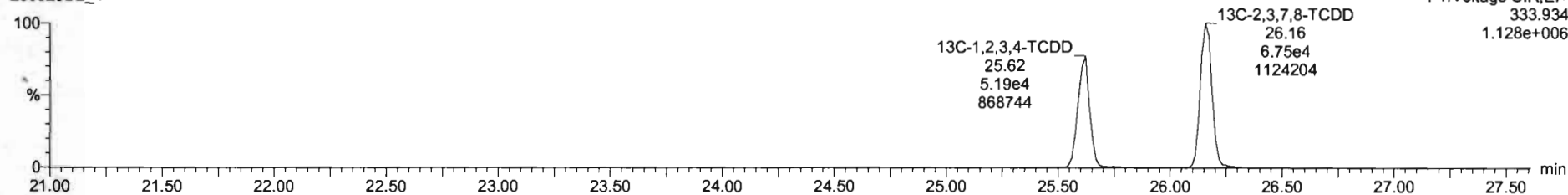


13C-1,2,3,4-TCDD

200526D2_4



200526D2_4



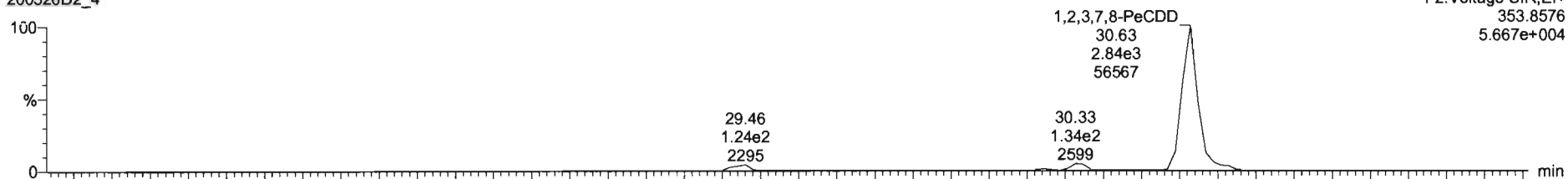
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

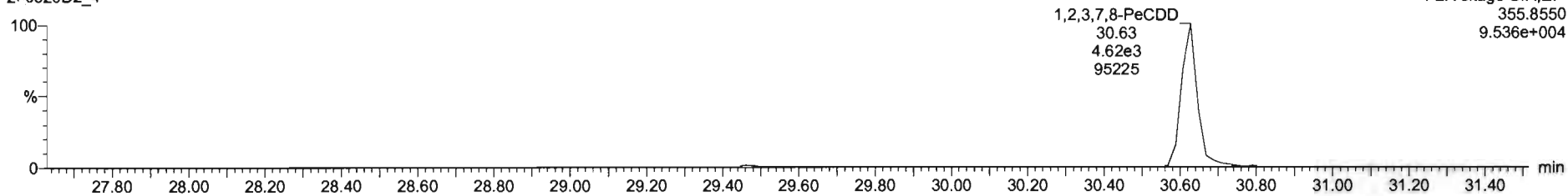
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1,2,3,7,8-PeCDD

200526D2_4

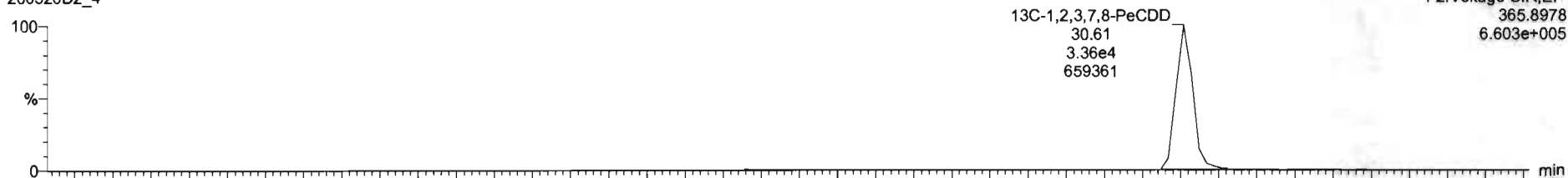


200526D2_4

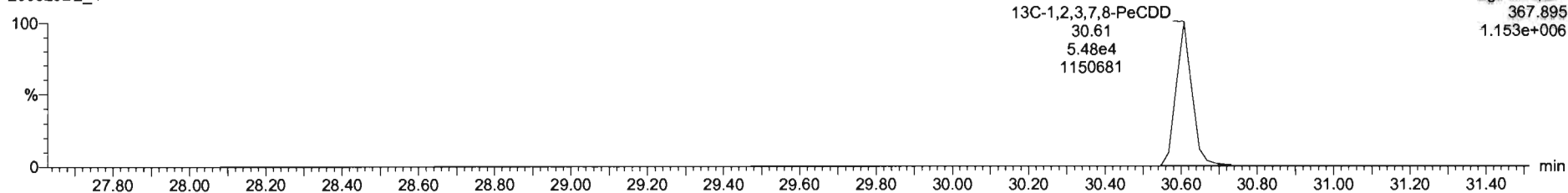


13C-1,2,3,7,8-PeCDD

200526D2_4



200526D2_4



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

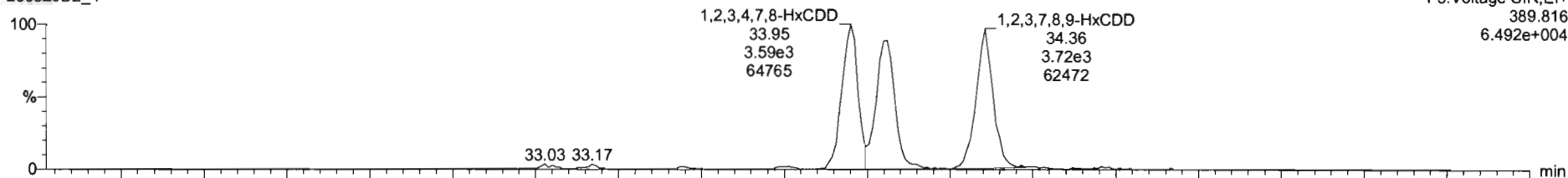
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

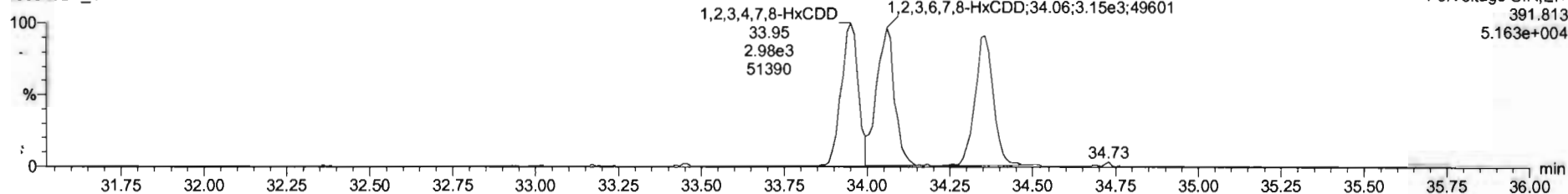
Name: 200526D2_4, Date: 26-May-2020, Time: 22:27:45, ID: ST200526D2-3 1613 CS2 20E0706, Description: 1613 CS2 20E0706

1,2,3,4,7,8-HxCDD

200526D2_4

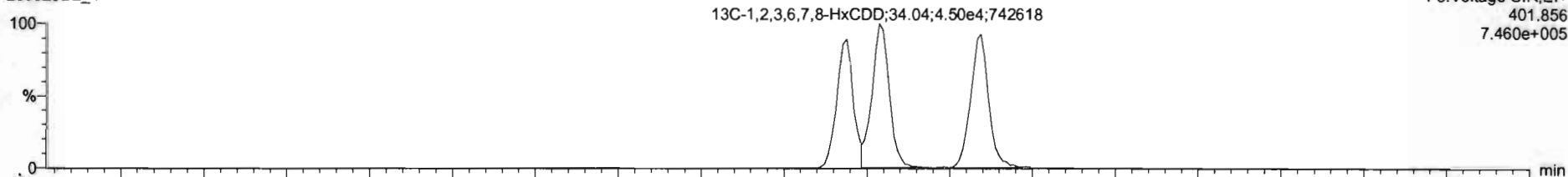


200526D2_4

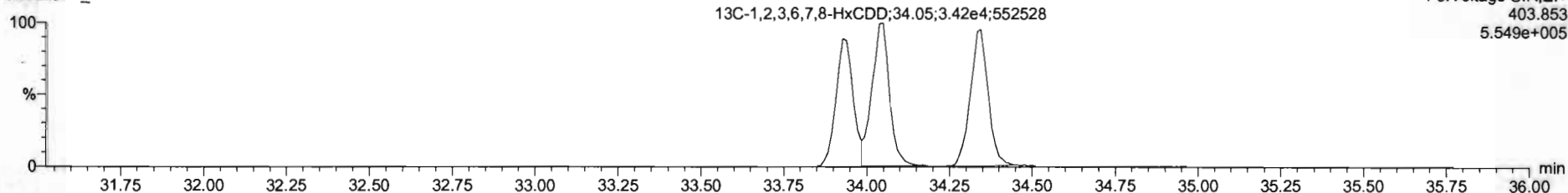


13C-1,2,3,4,7,8-HxCDD

200526D2_4



200526D2_4



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

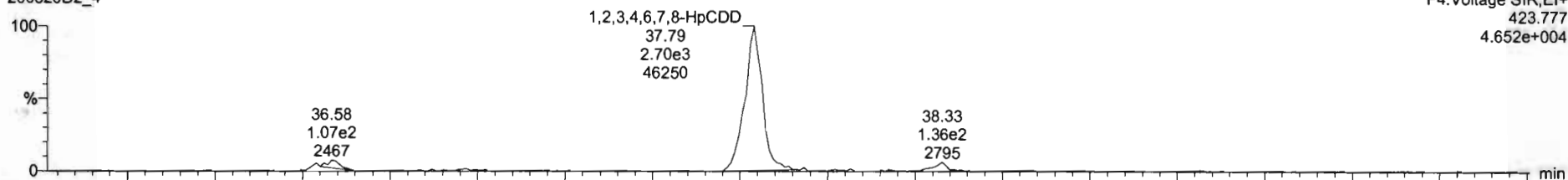
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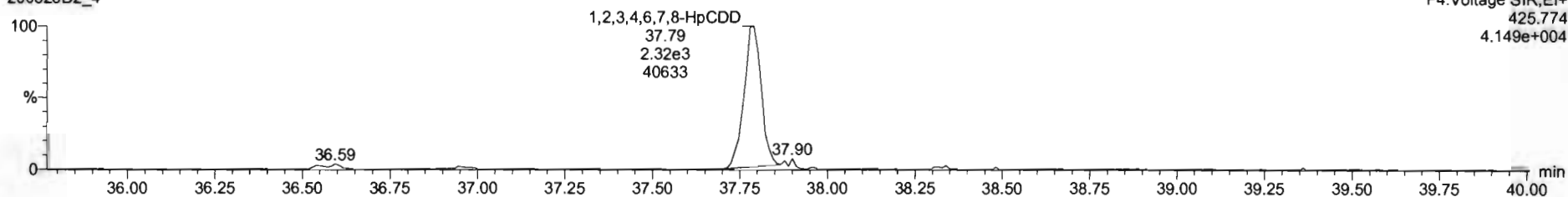
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1,2,3,4,6,7,8-HpCDD

200526D2_4

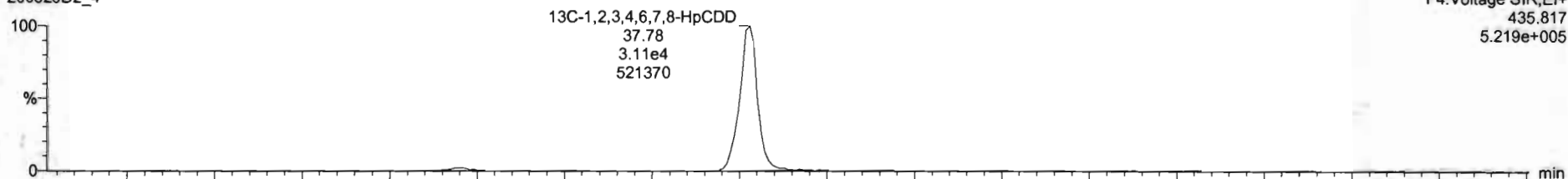


200526D2_4

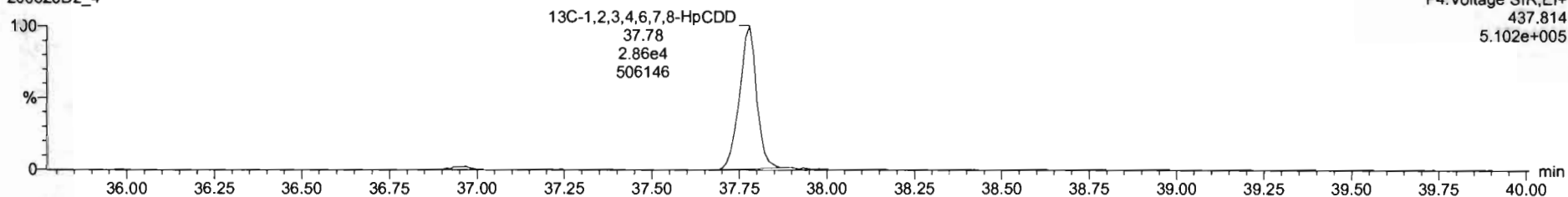


13C-1,2,3,4,6,7,8-HpCDD

200526D2_4



200526D2_4



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

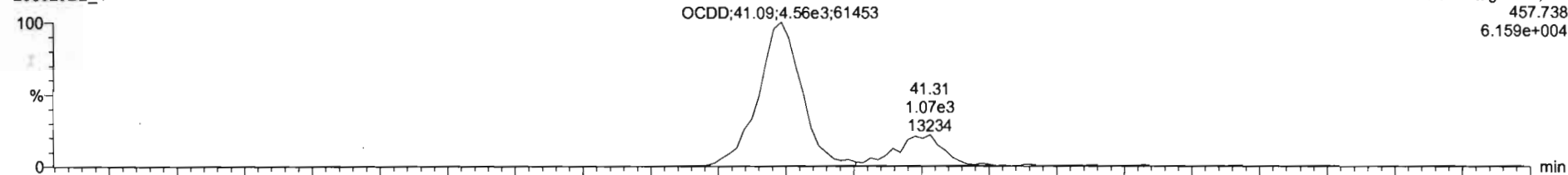
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

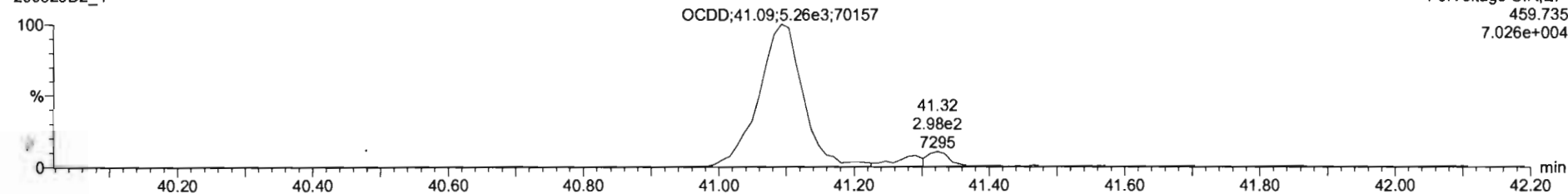
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OCDD

200526D2_4

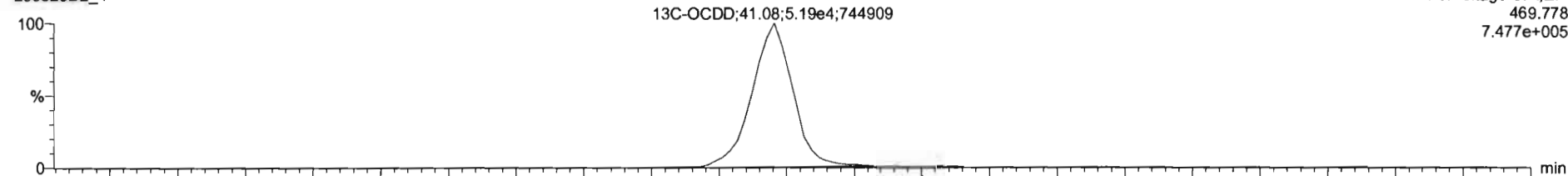


200526D2_4

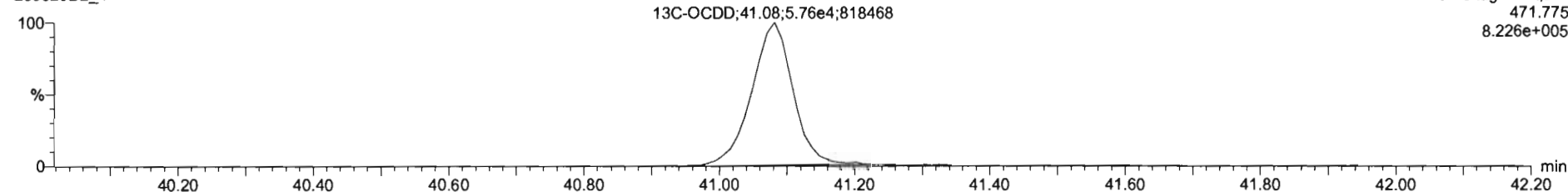


13C-OCDD

200526D2_4



200526D2_4



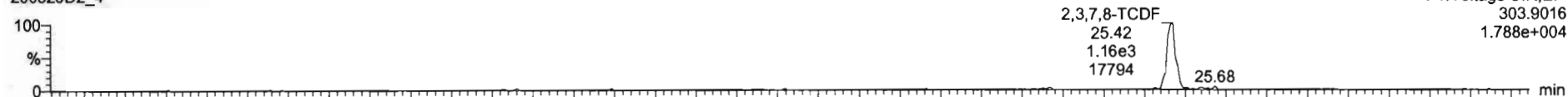
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Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_4, Date: 26-May-2020, Time: 22:27:45, ID: ST200526D2-3 1613 CS2 20E0706, Description: 1613 CS2 20E0706

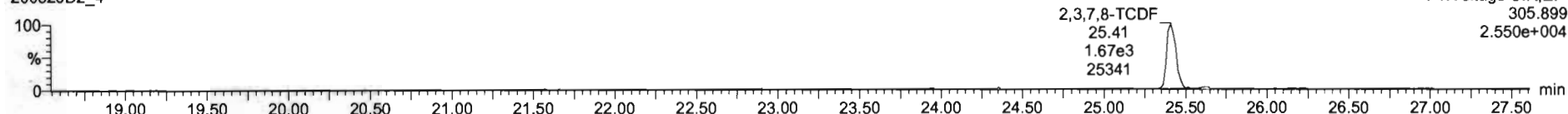
2,3,7,8-TCDF

200526D2_4



F1:Voltage SIR,EI+
303.9016
1.788e+004

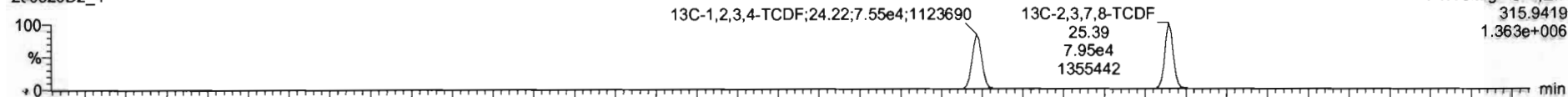
200526D2_4



F1:Voltage SIR,EI+
305.899
2.550e+004

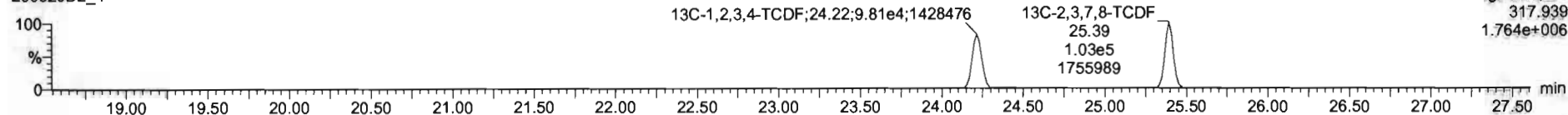
13C-2,3,7,8-TCDF

200526D2_4



F1:Voltage SIR,EI+
315.9419
1.363e+006

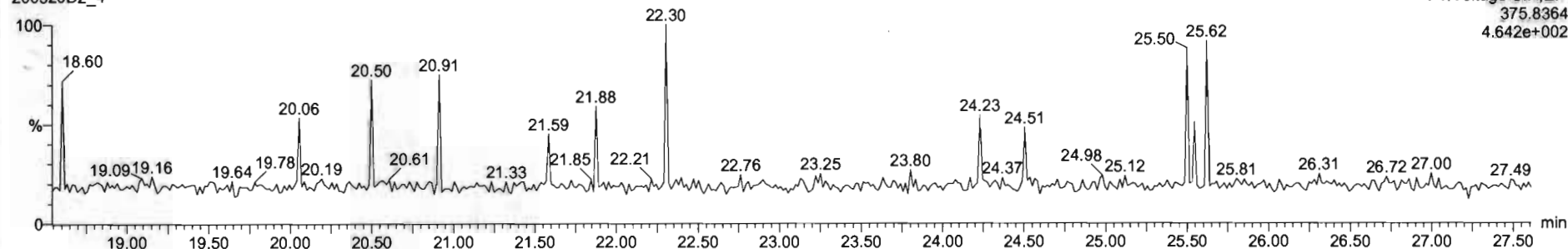
200526D2_4



F1:Voltage SIR,EI+
317.939
1.764e+006

CPE1

200526D2_4



F1:Voltage SIR,EI+
375.8364
4.642e+002

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

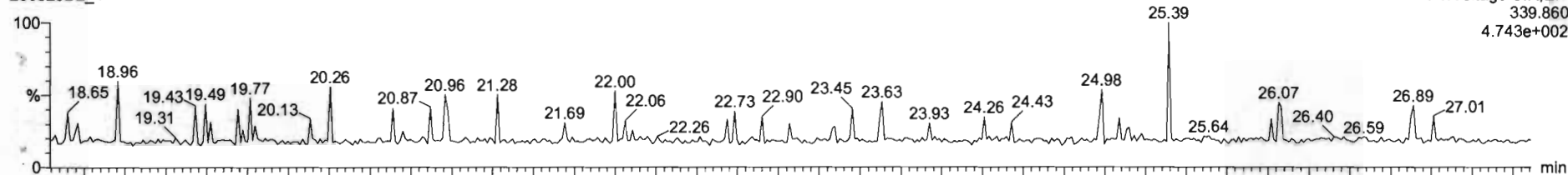
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

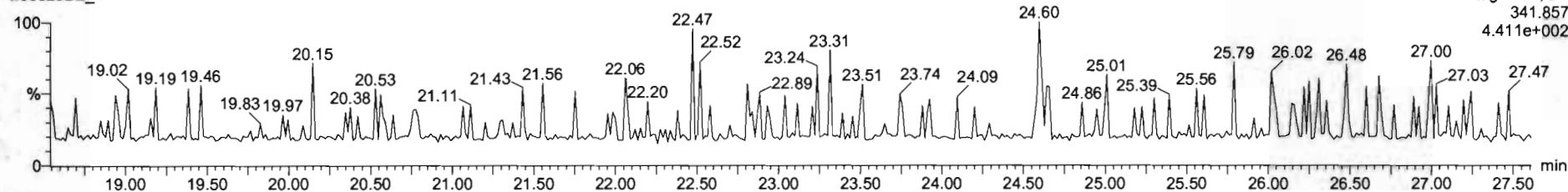
Name: 200526D2_4, Date: 26-May-2020, Time: 22:27:45, ID: ST200526D2-3 1613 CS2 20E0706, Description: 1613 CS2 20E0706

1st Func. Penta-Furans

200526D2_4

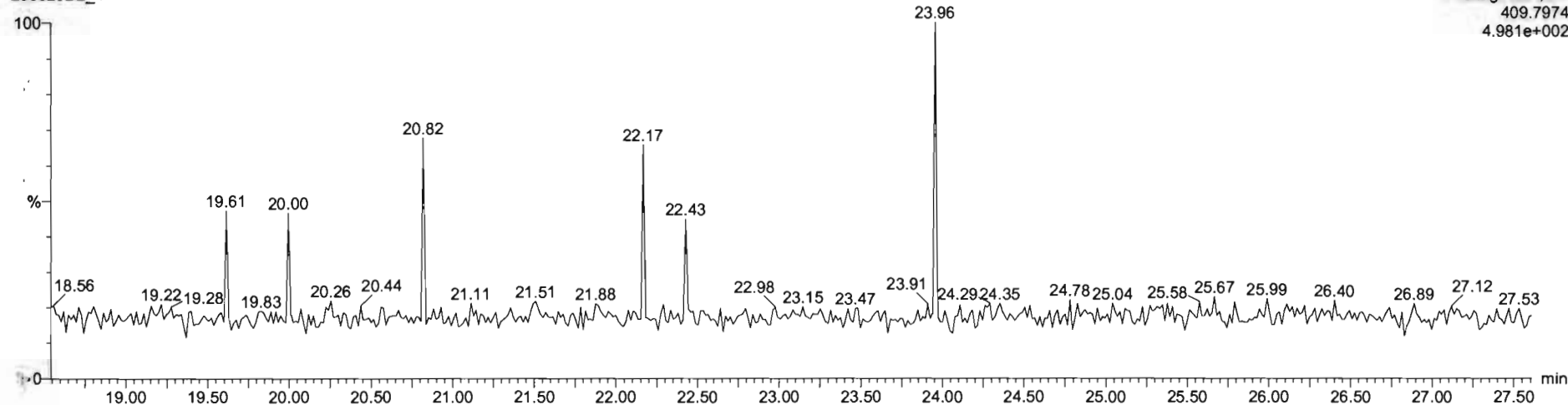


200526D2_4



DPE6

200526D2_4



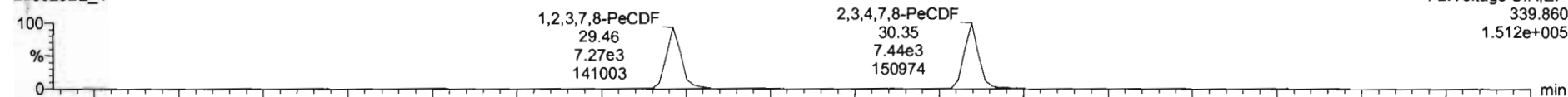
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

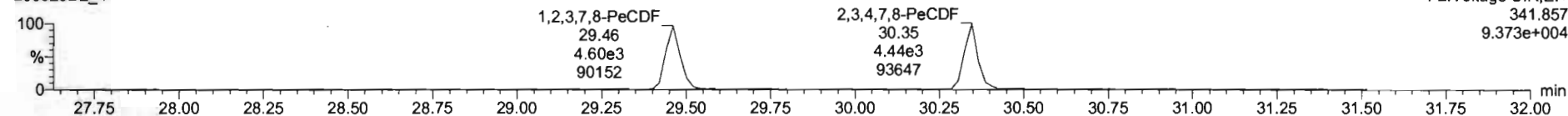
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1,2,3,7,8-PeCDF

200526D2_4

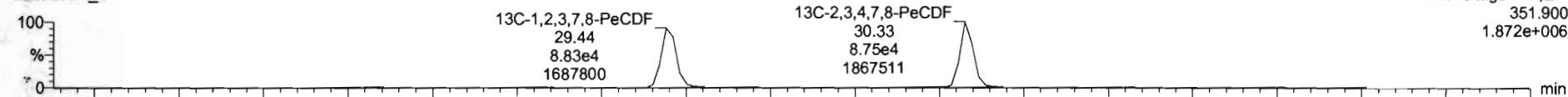


200526D2_4

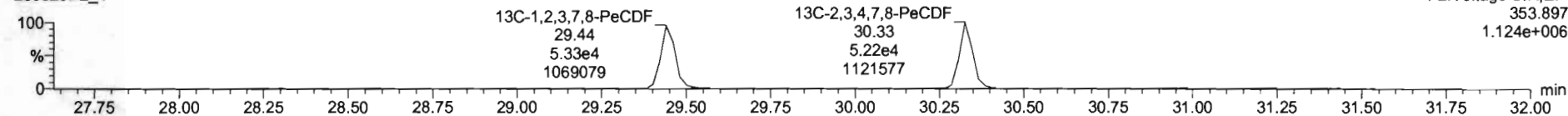


13C-1,2,3,7,8-PeCDF

200526D2_4

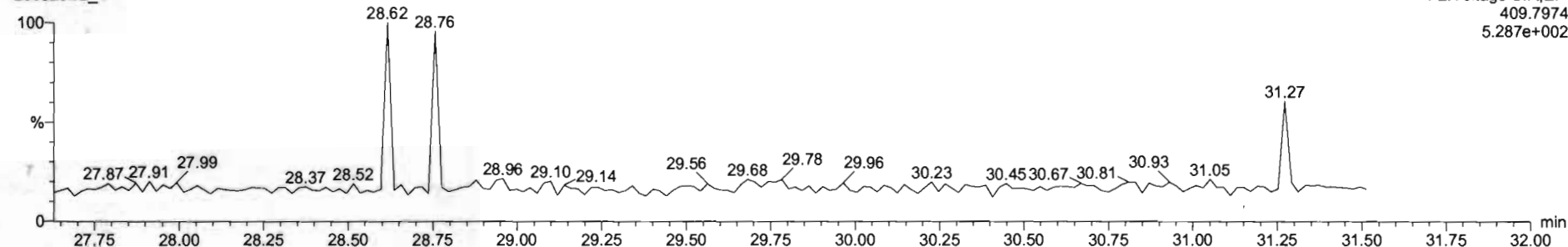


200526D2_4



DPE2

200526D2_4



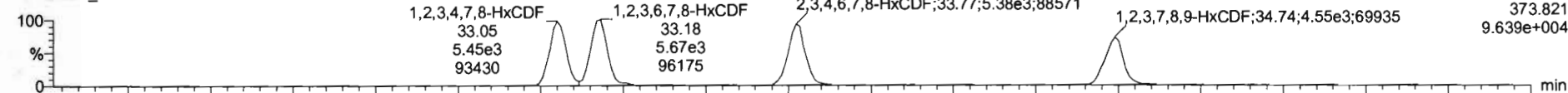
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

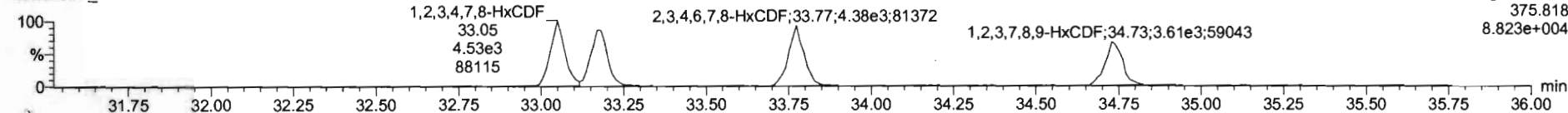
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1,2,3,4,7,8-HxCDF

200526D2_4

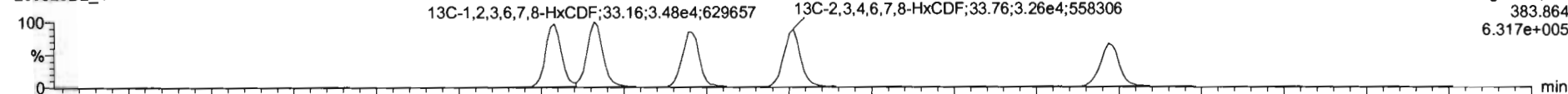


200526D2_4

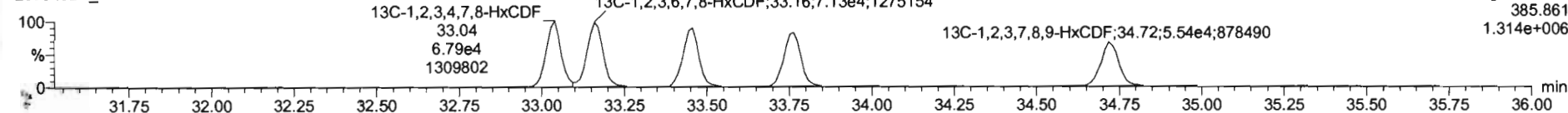


13C-1,2,3,4,7,8-HxCDF

200526D2_4

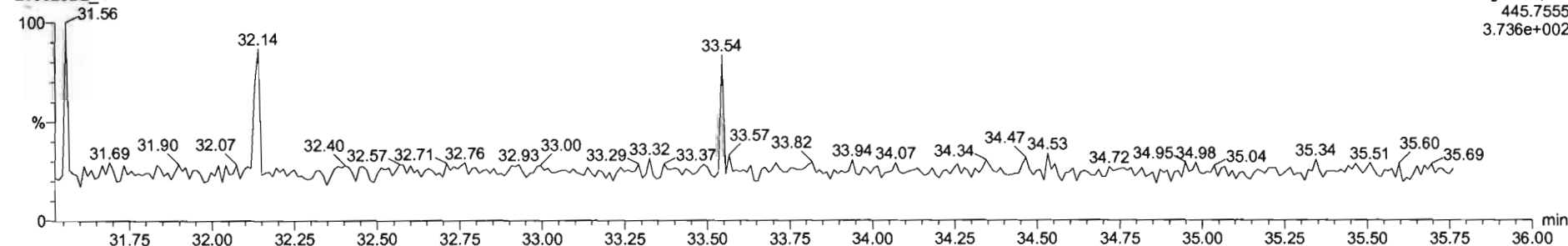


200526D2_4



DPE3

200526D2_4



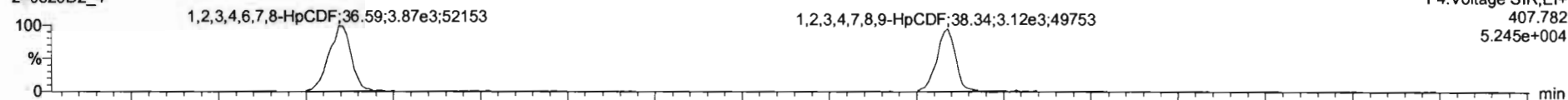
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Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

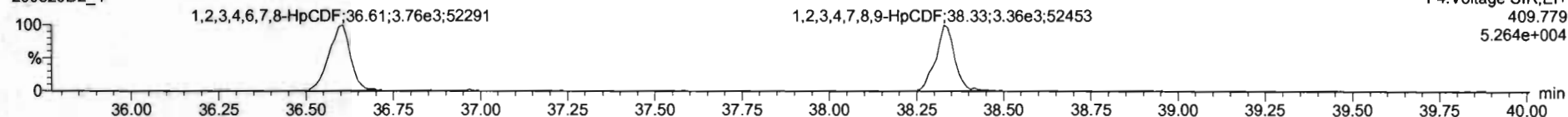
Name: 200526D2_4, Date: 26-May-2020, Time: 22:27:45, ID: ST200526D2-3 1613 CS2 20E0706, Description: 1613 CS2 20E0706

1,2,3,4,6,7,8-HpCDF

200526D2_4

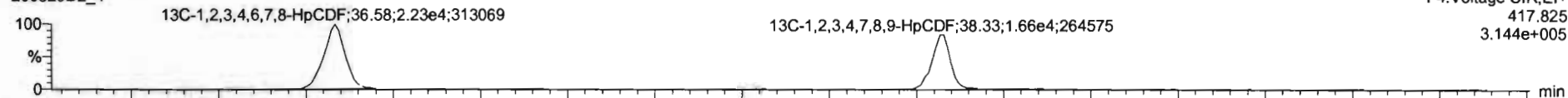


200526D2_4

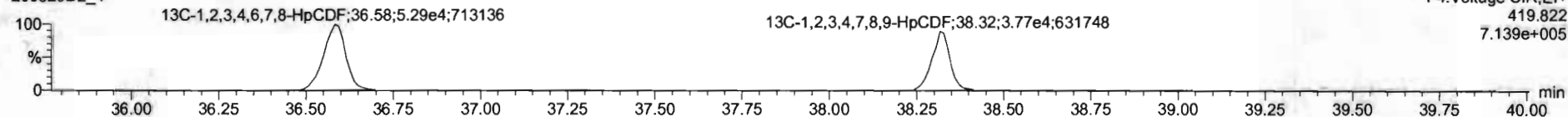


13C-1,2,3,4,6,7,8-HpCDF

200526D2_4

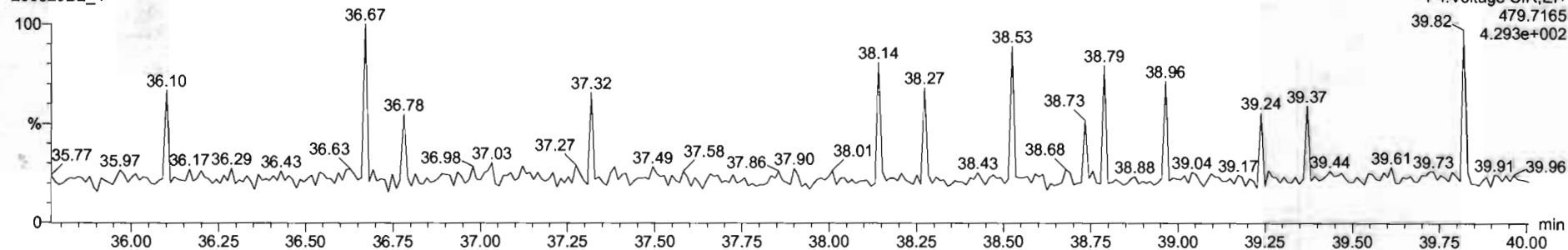


200526D2_4



DPE4

200526D2_4



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

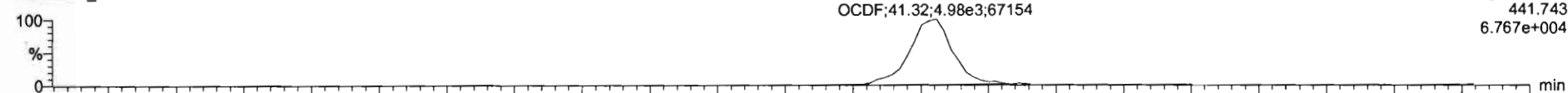
Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time

Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

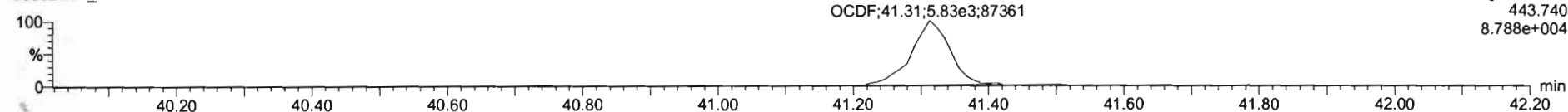
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OCDF

200526D2_4

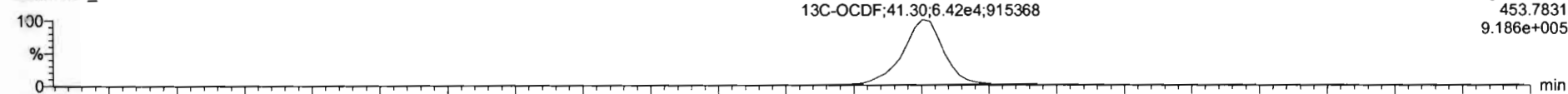


200526D2_4

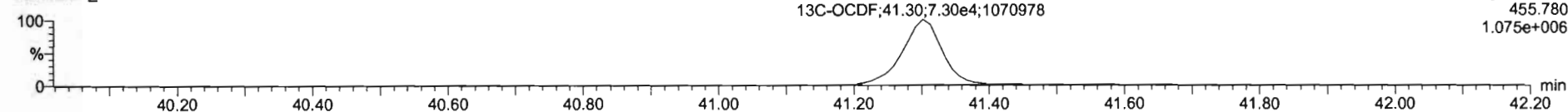


13C-OCDF

200526D2_4

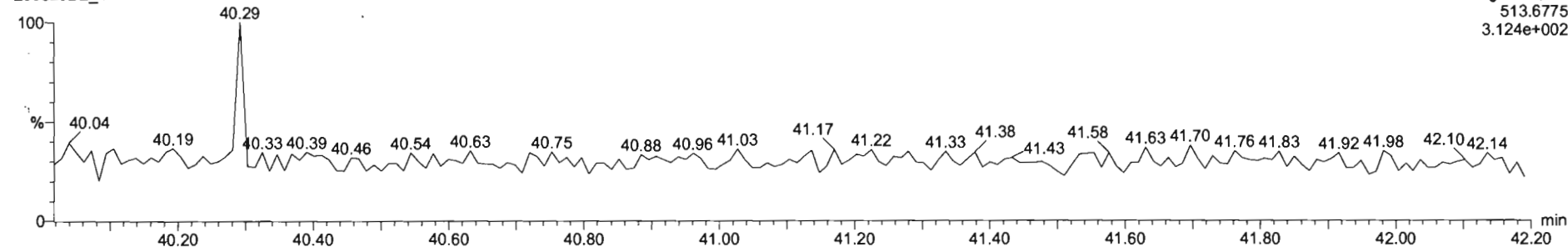


200526D2_4



DPE5

200526D2_4

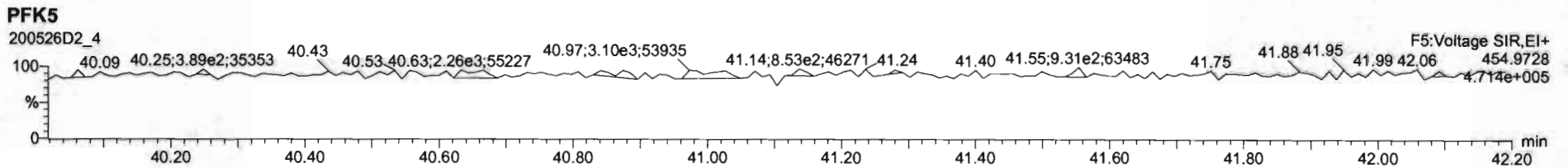
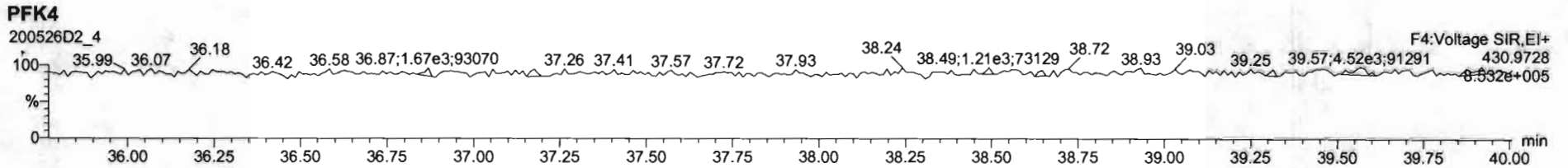
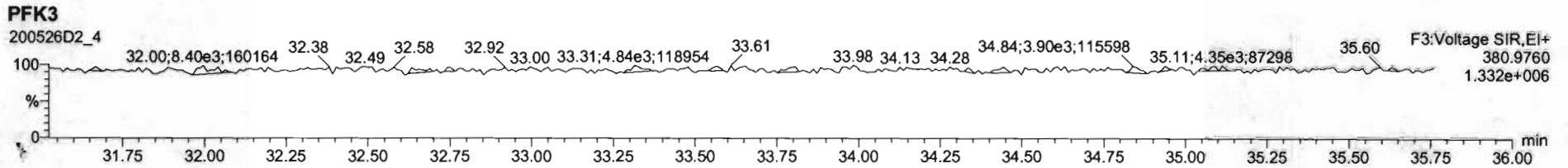
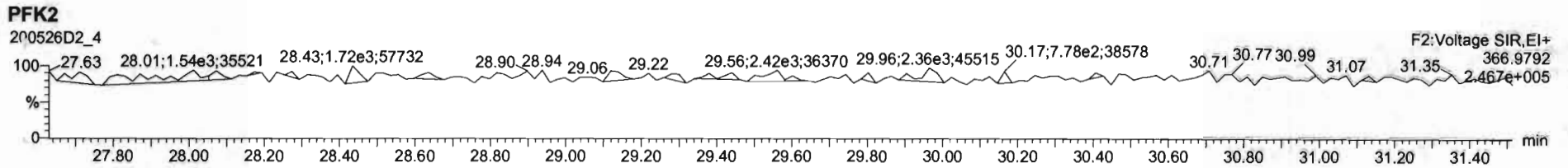
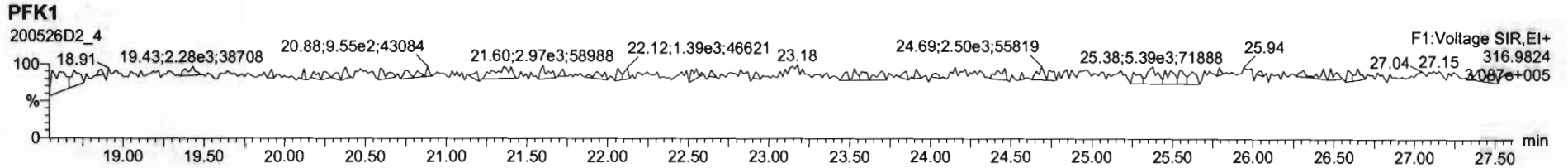


Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time

Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_4, Date: 26-May-2020, Time: 22:27:45, ID: ST200526D2-3 1613 CS2 20E0706, Description: 1613 CS2 20E0706



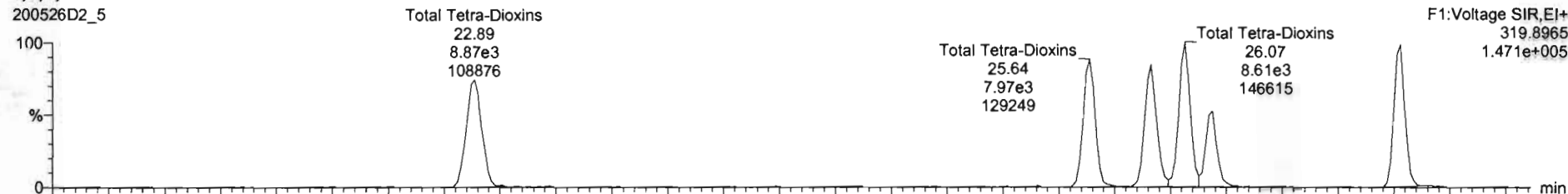
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

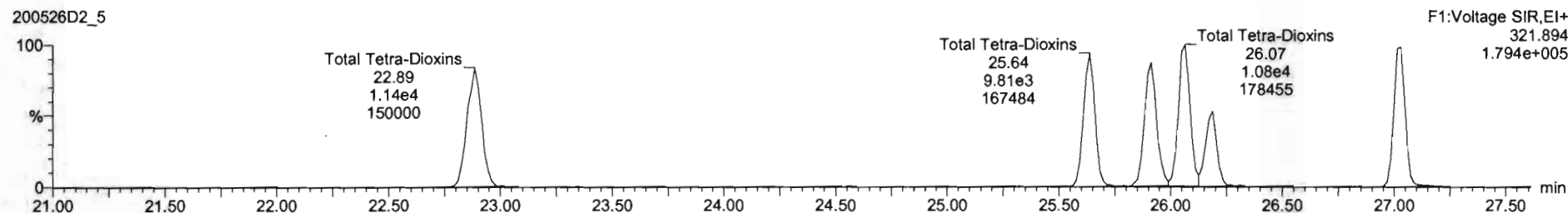
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2,3,7,8-TCDD

200526D2_5

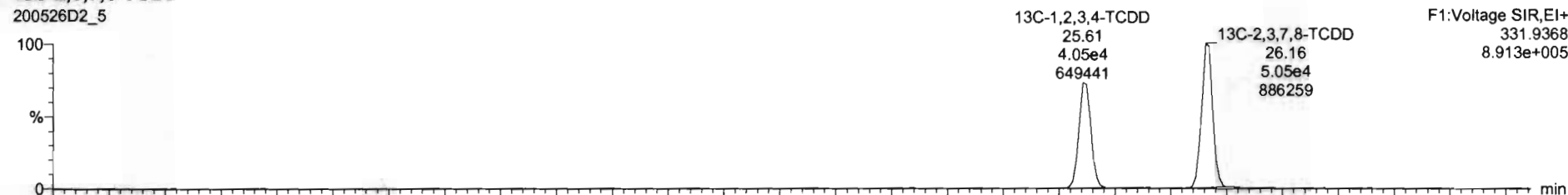


200526D2_5

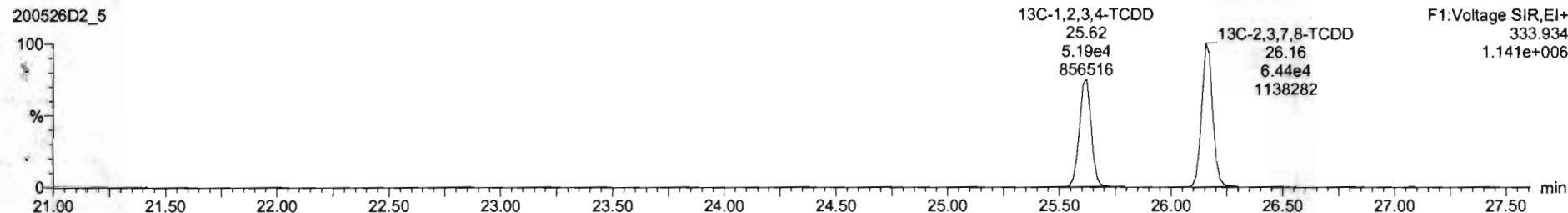


¹³C-2,3,7,8-TCDD

200526D2_5



200526D2_5

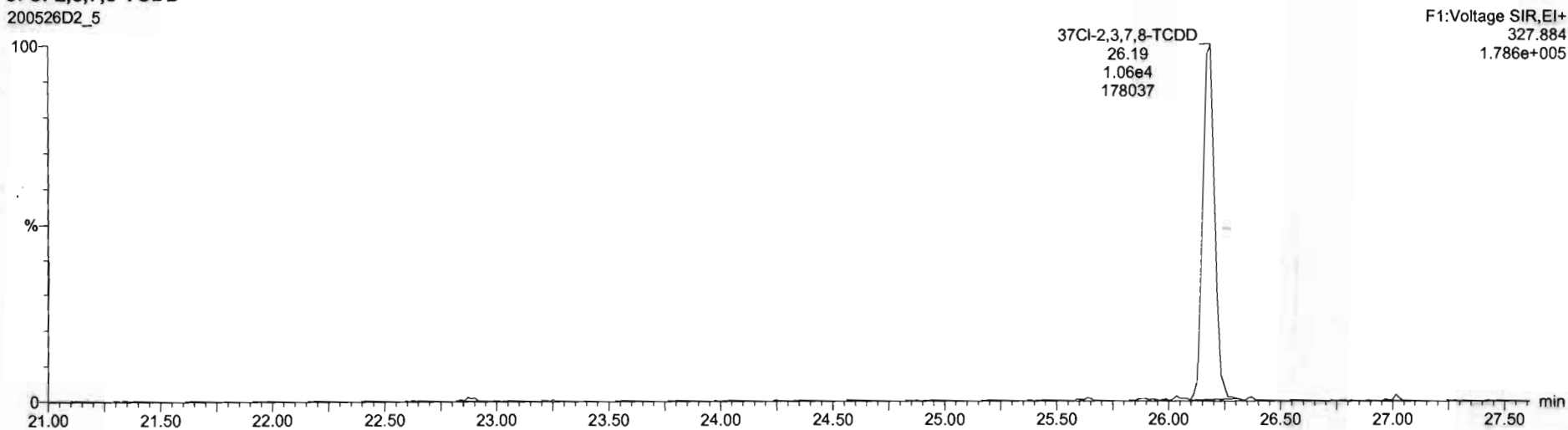


Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

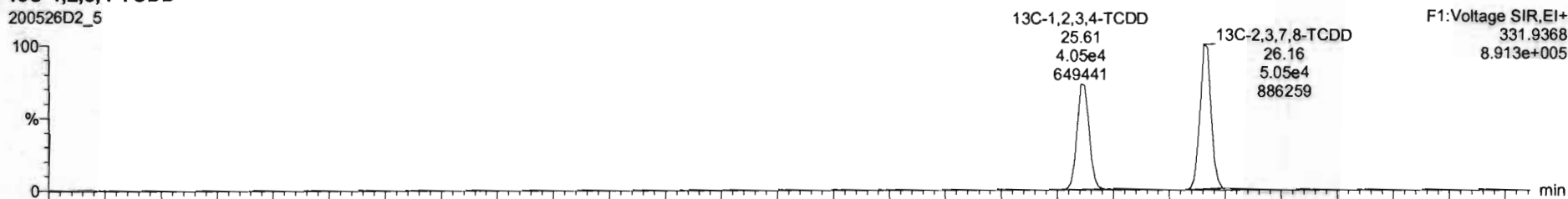
Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

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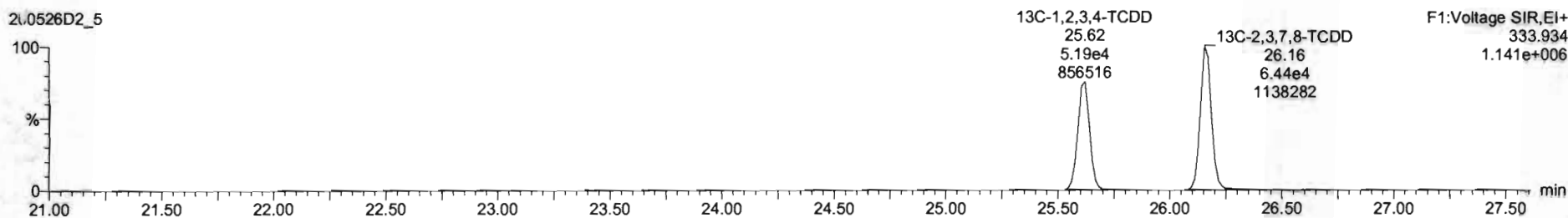
37Cl-2,3,7,8-TCDD
200526D2_5



13C-1,2,3,4-TCDD
200526D2_5



200526D2_5



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

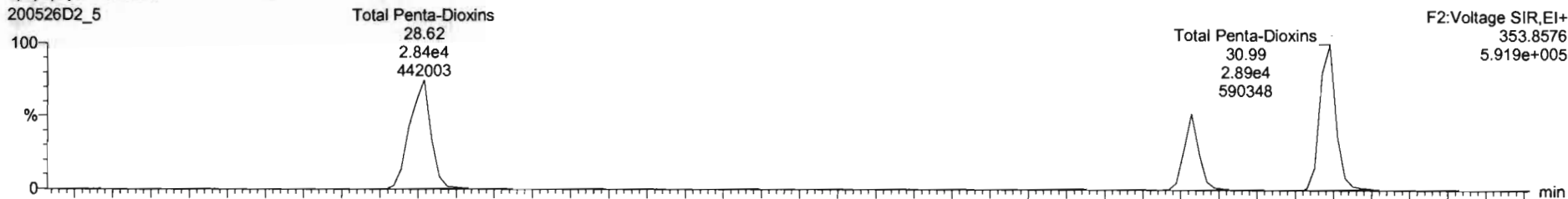
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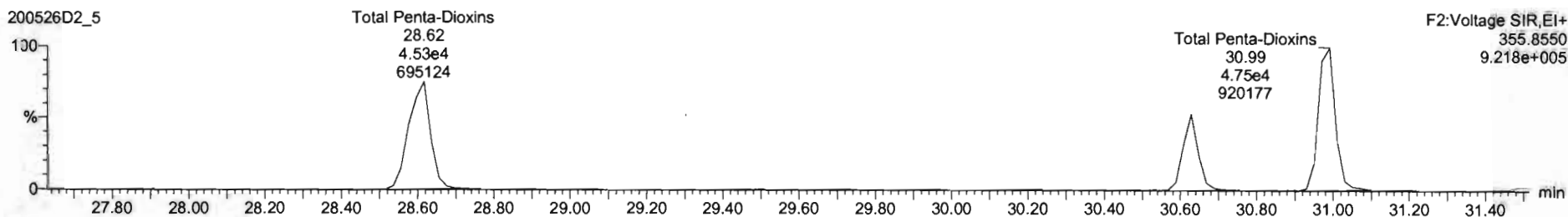
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1,2,3,7,8-PeCDD

200526D2_5

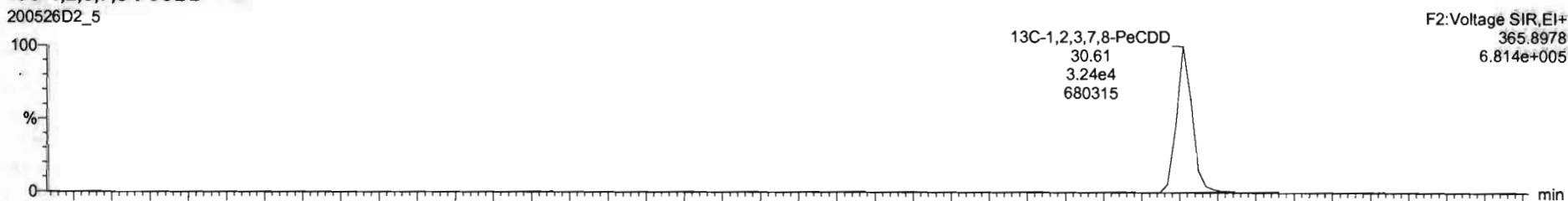


200526D2_5

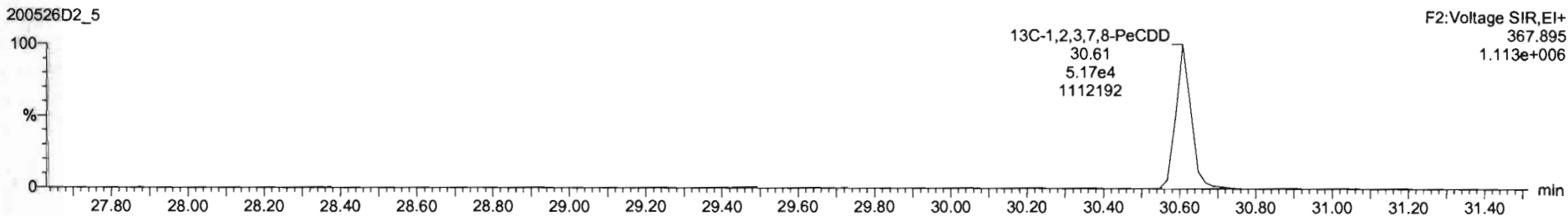


13C-1,2,3,7,8-PeCDD

200526D2_5



200526D2_5



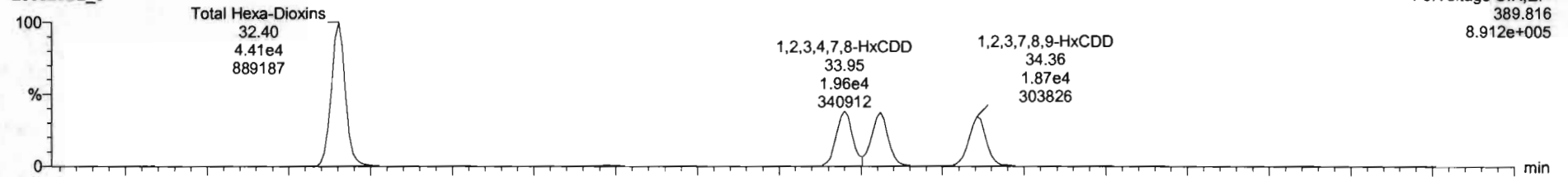
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_5, Date: 26-May-2020, Time: 23:12:55, ID: ST200526D2-4 1613 CS3 20E0707, Description: 1613 CS3 20E0707

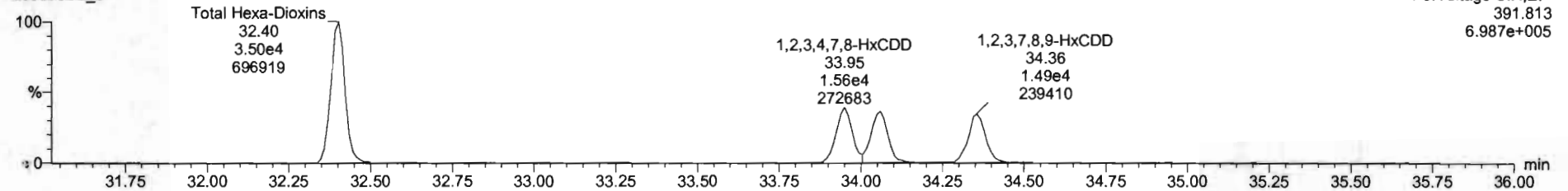
1,2,3,4,7,8-HxCDD

200526D2_5



F3: Voltage SIR, EI+
389.816
8.912e+005

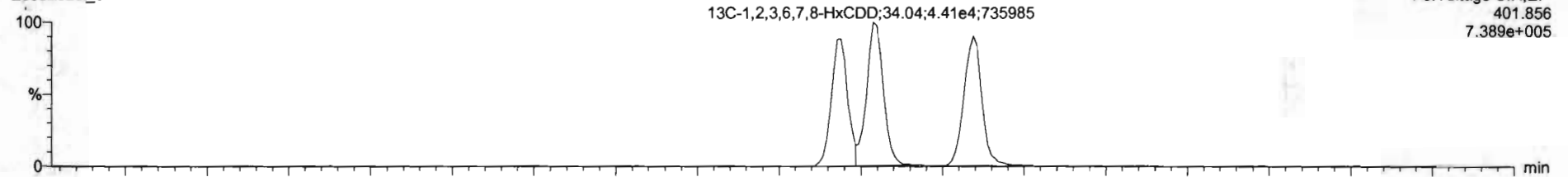
200526D2_5



F3: Voltage SIR, EI+
391.813
6.987e+005

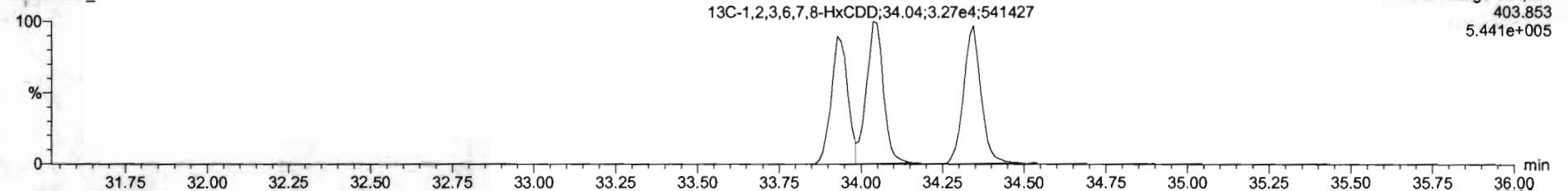
13C-1,2,3,4,7,8-HxCDD

200526D2_5



F3: Voltage SIR, EI+
401.856
7.389e+005

200526D2_5



F3: Voltage SIR, EI+
403.853
5.441e+005

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

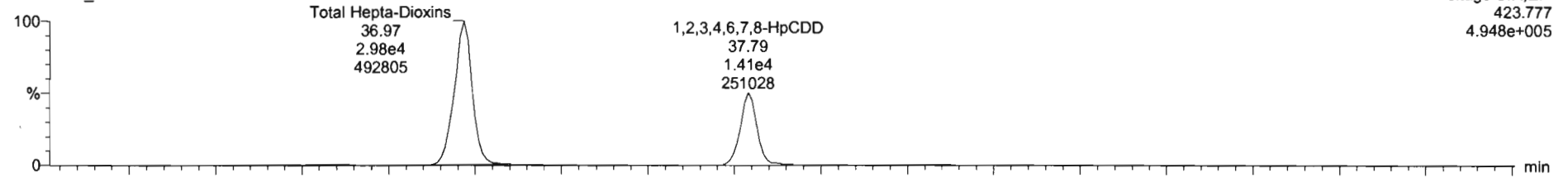
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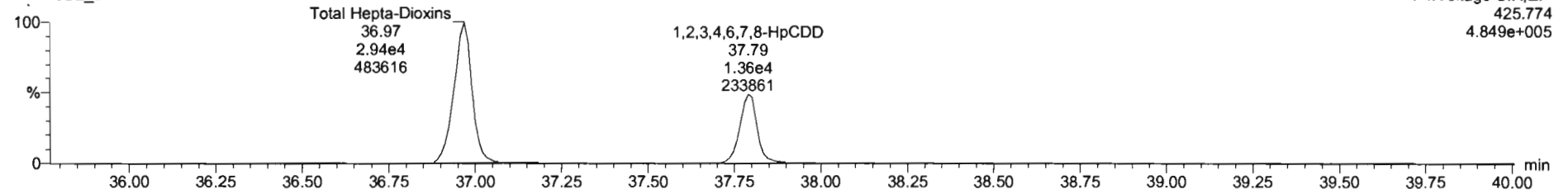
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1,2,3,4,6,7,8-HpCDD

200526D2_5

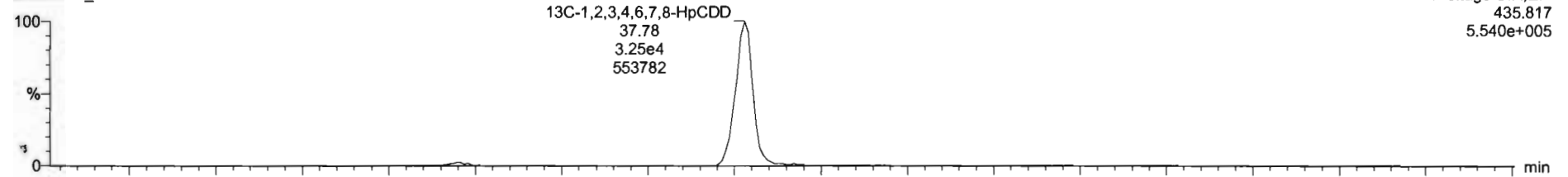


200526D2_5

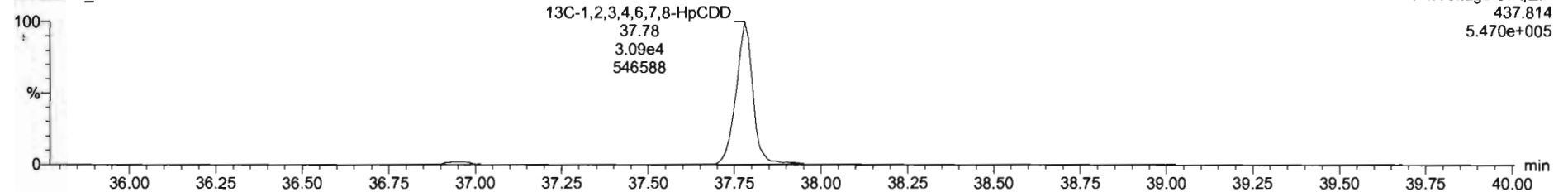


13C-1,2,3,4,6,7,8-HpCDD

200526D2_5



200526D2_5



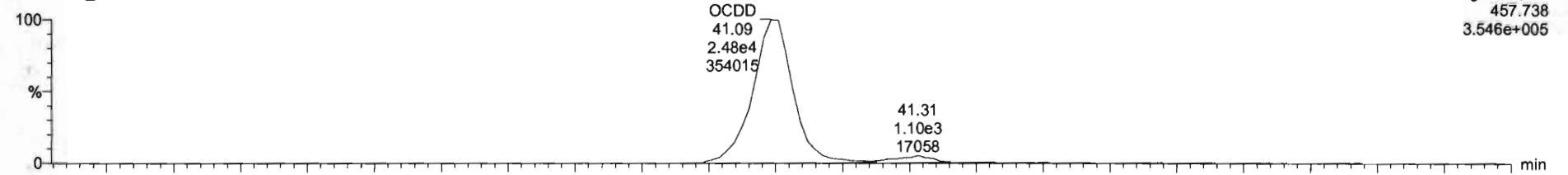
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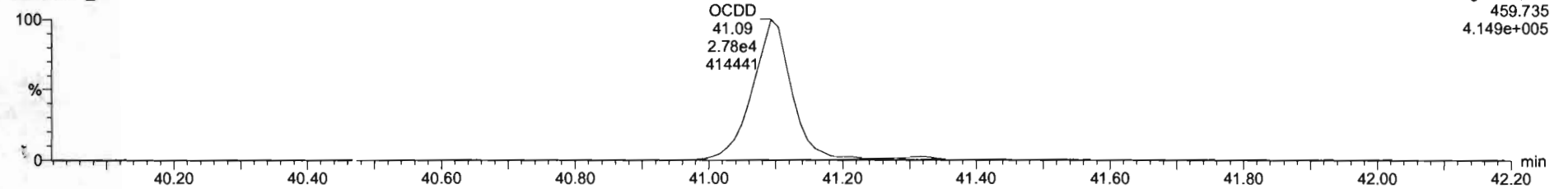
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OCDD

200526D2_5

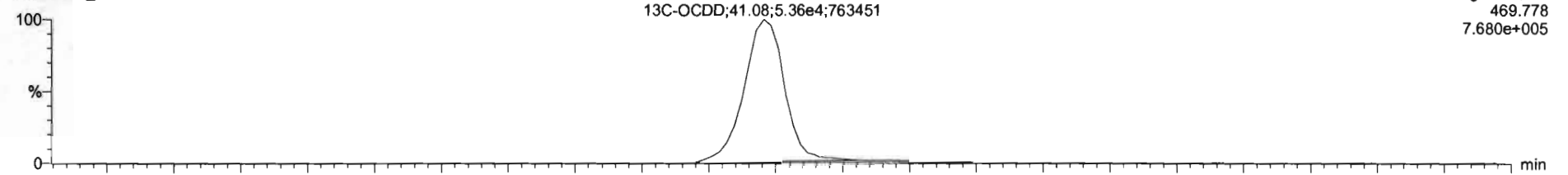


200526D2_5

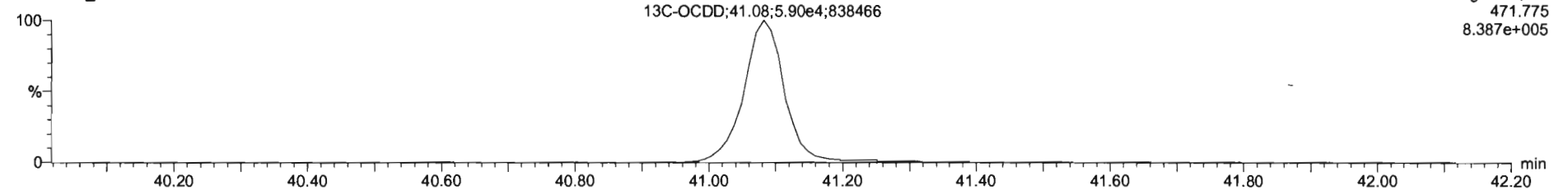


13C-OCDD

200526D2_5



200526D2_5



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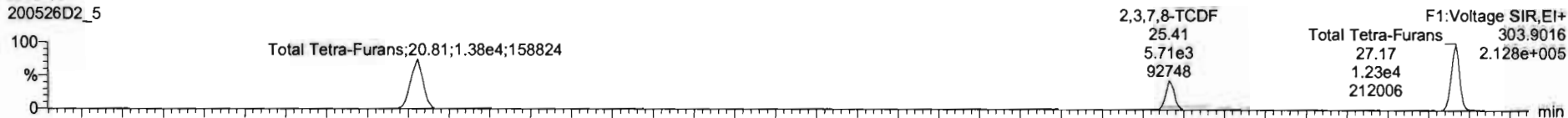
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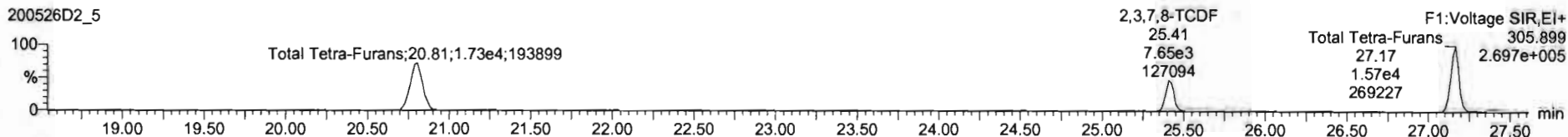
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2,3,7,8-TCDF

200526D2_5

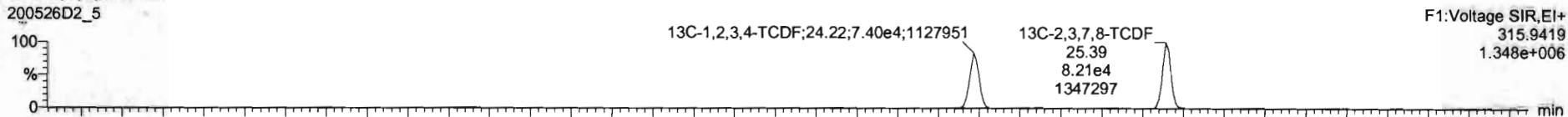


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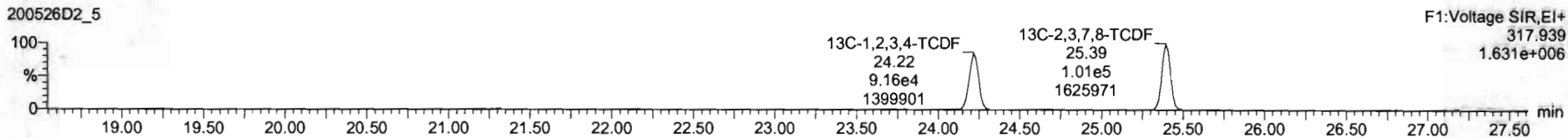


13C-2,3,7,8-TCDF

200526D2_5

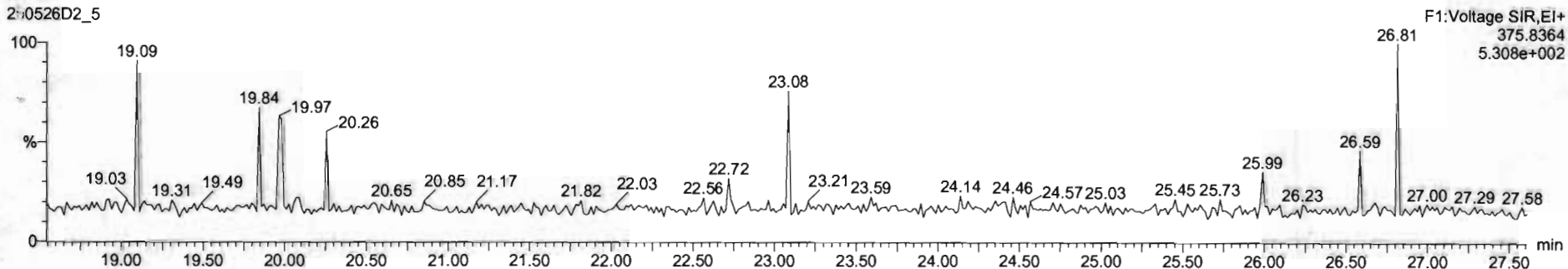


200526D2_5



DPE1

200526D2_5



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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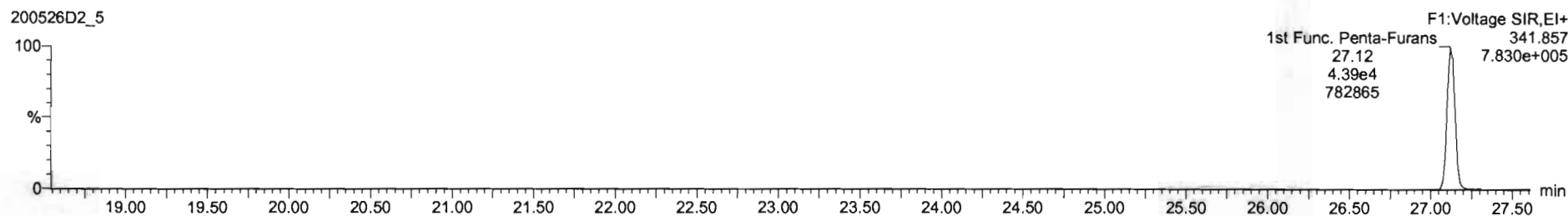
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1st Func. Penta-Furans

200526D2_5

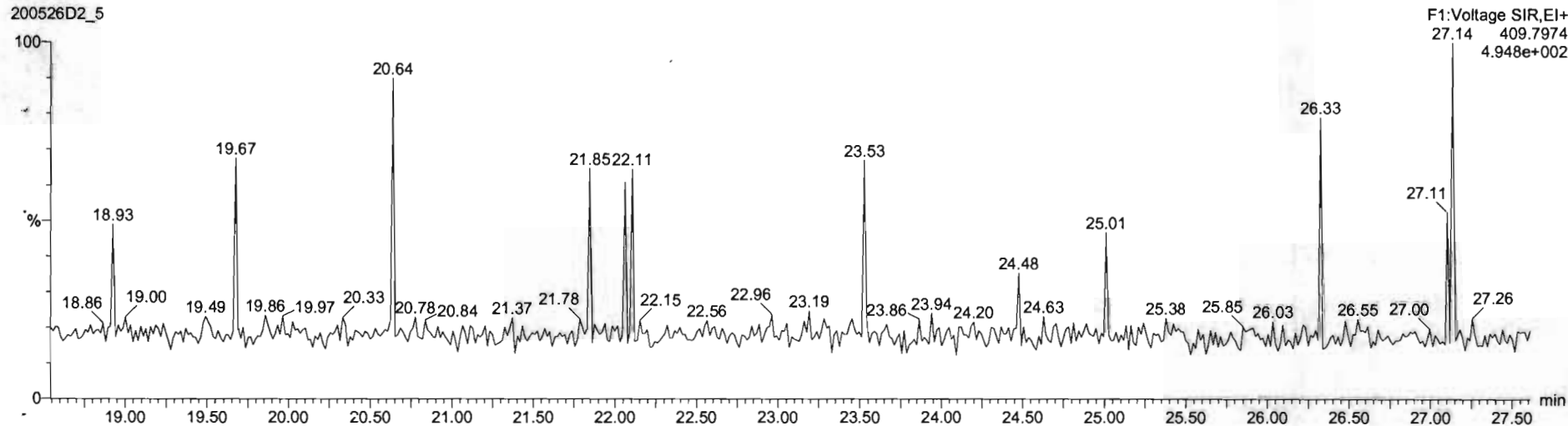


200526D2_5



DPE6

200526D2_5



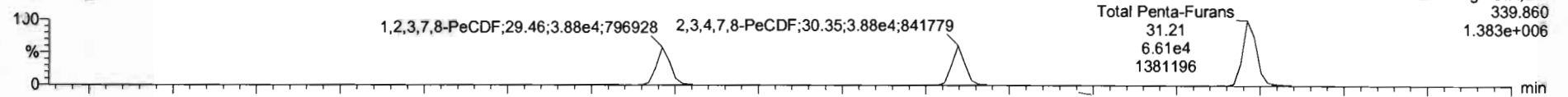
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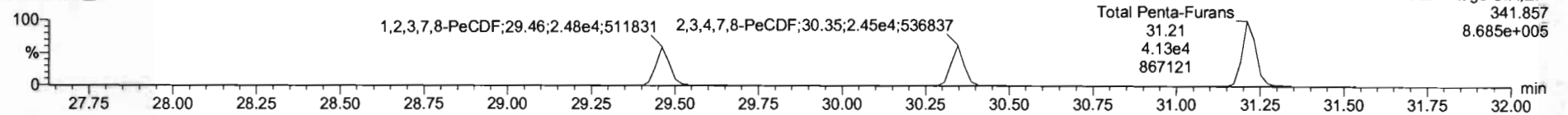
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1,2,3,7,8-PeCDF

200526D2_5

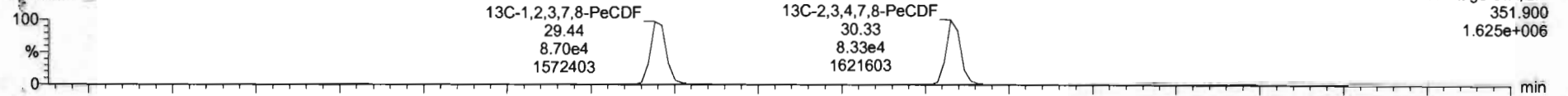


200526D2_5

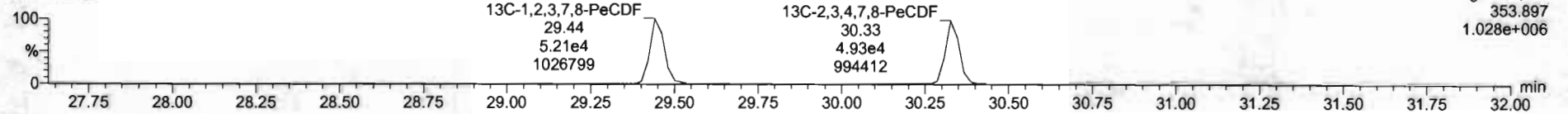


13C-1,2,3,7,8-PeCDF

200526D2_5

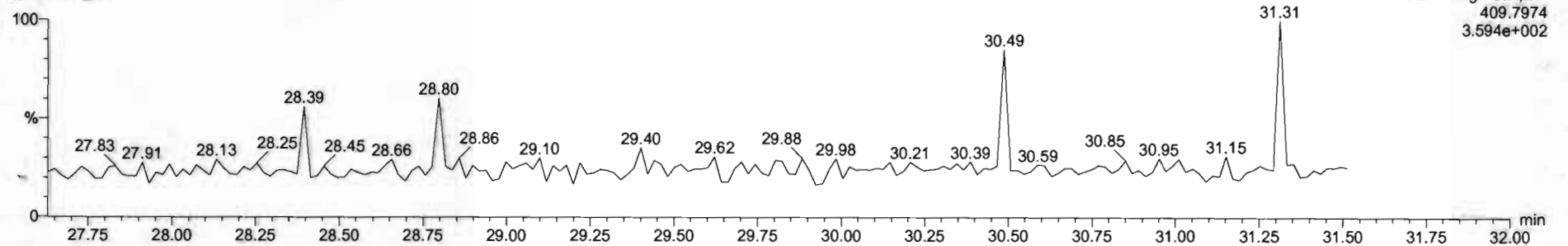


200526D2_5



DPE2

200526D2_5

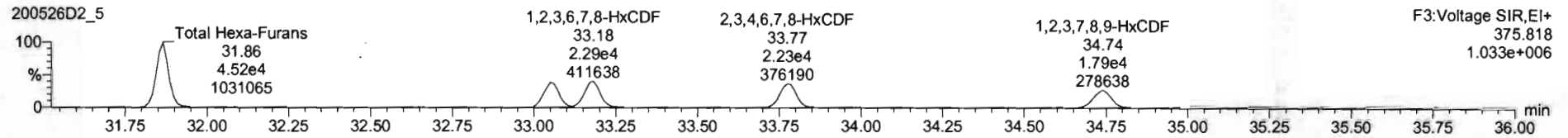
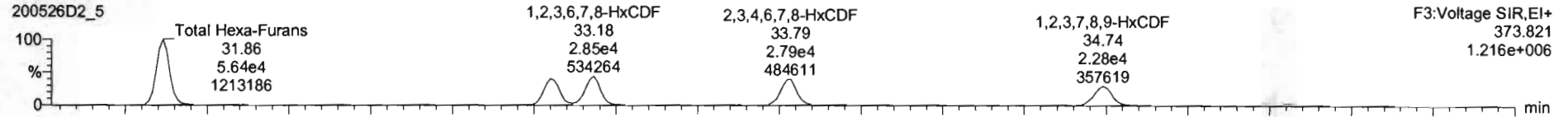


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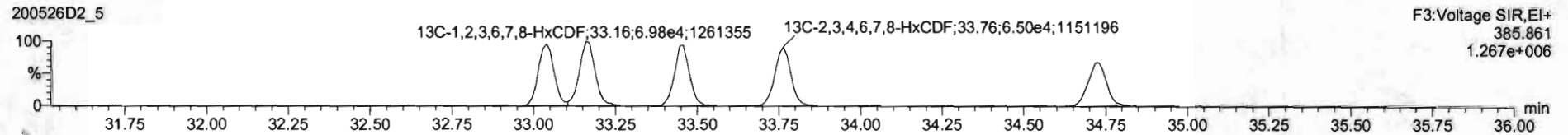
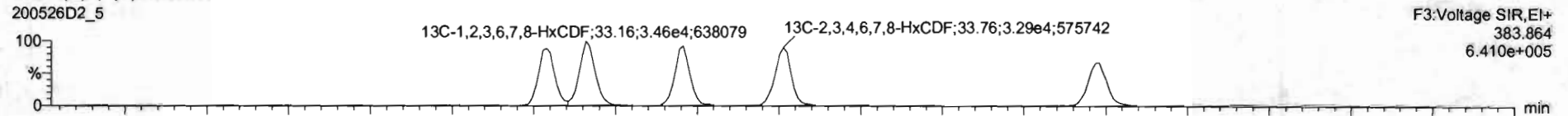
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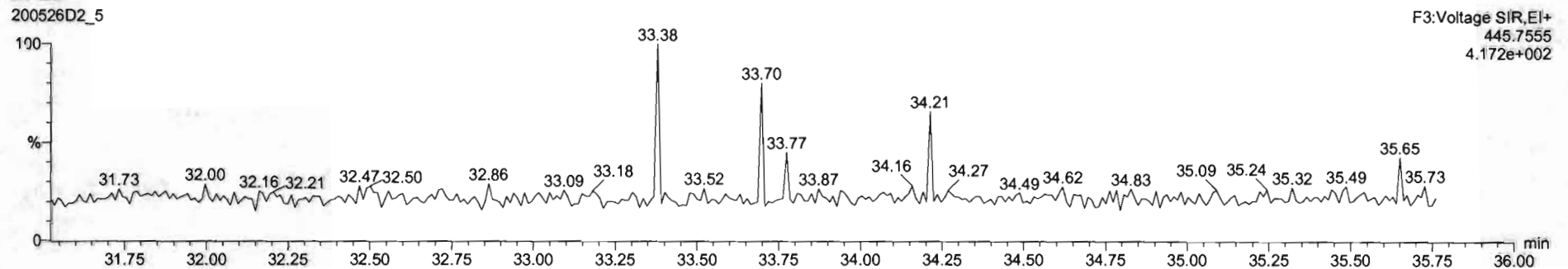
1,2,3,4,7,8-HxCDF



13C-1,2,3,4,7,8-HxCDF



DPE3



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

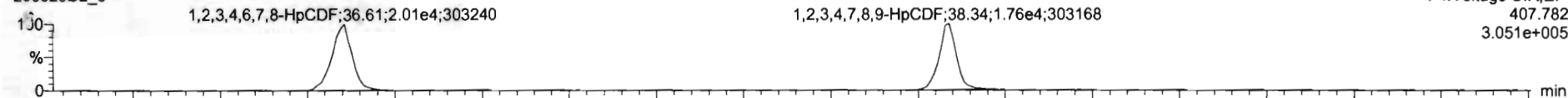
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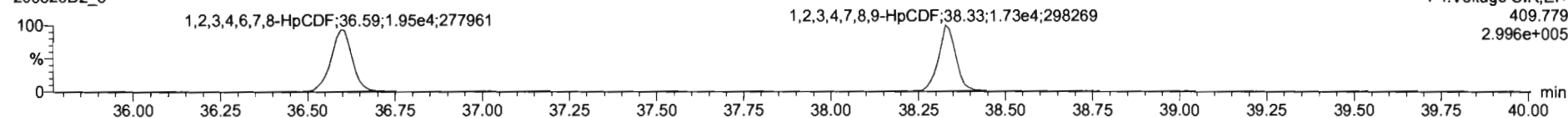
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1,2,3,4,6,7,8-HpCDF

200526D2_5

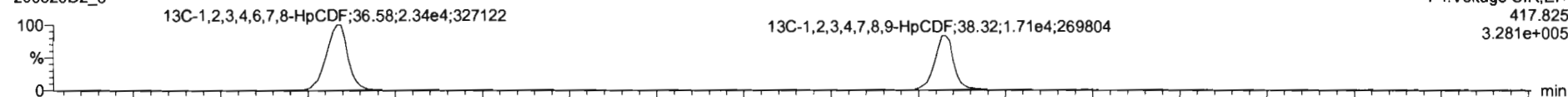


200526D2_5

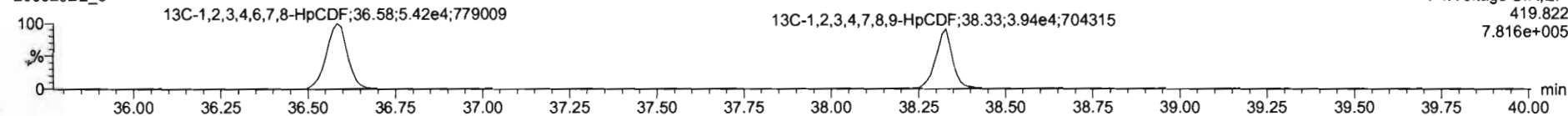


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200526D2_5

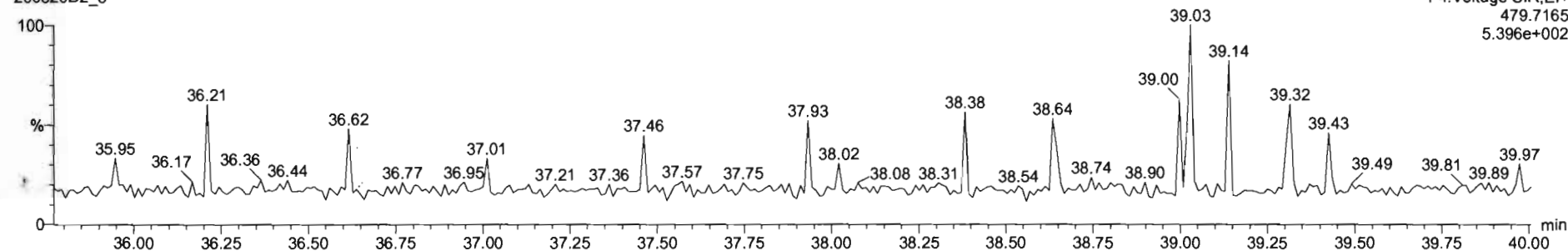


200526D2_5



DPE4

200526D2_5



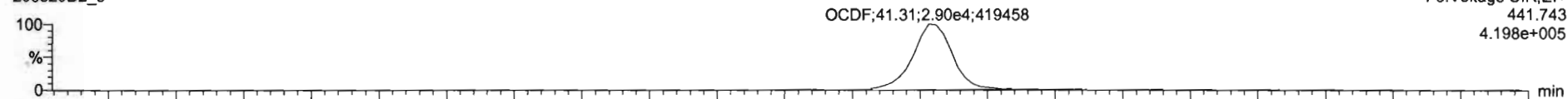
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

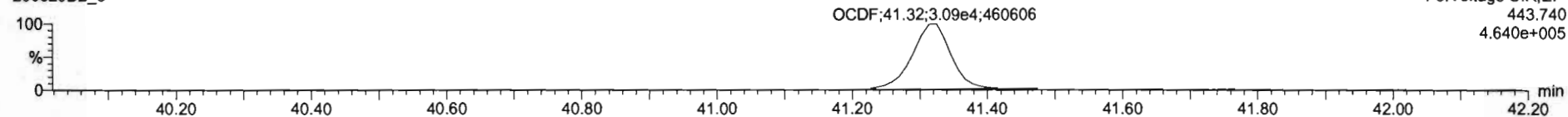
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OCDF

200526D2_5

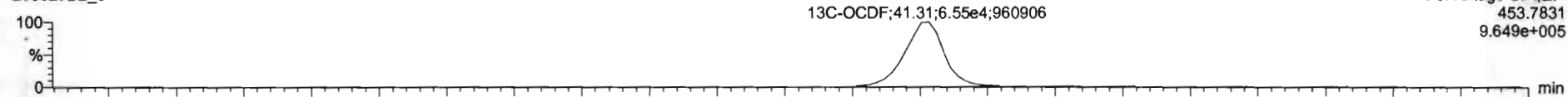


200526D2_5

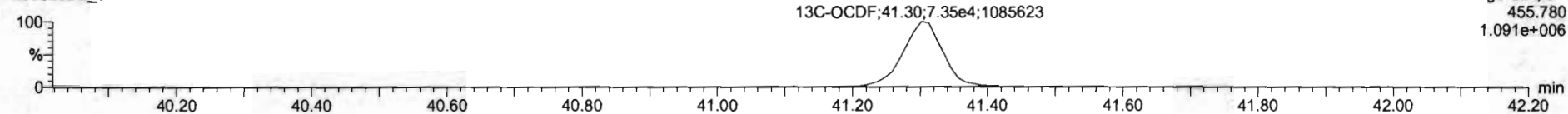


13C-OCDF

200526D2_5

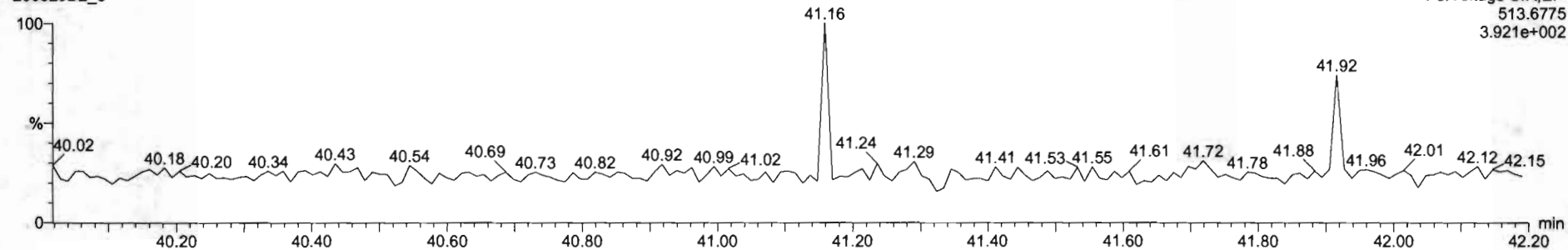


200526D2_5



DPE5

200526D2_5

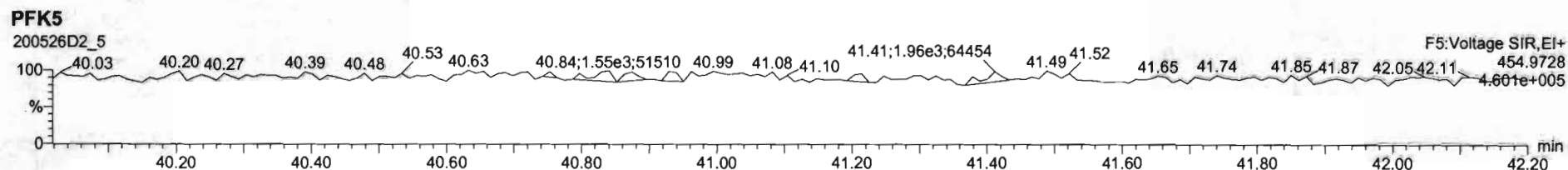
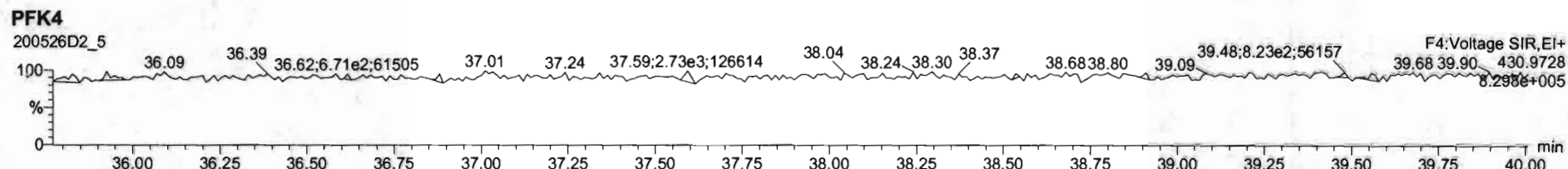
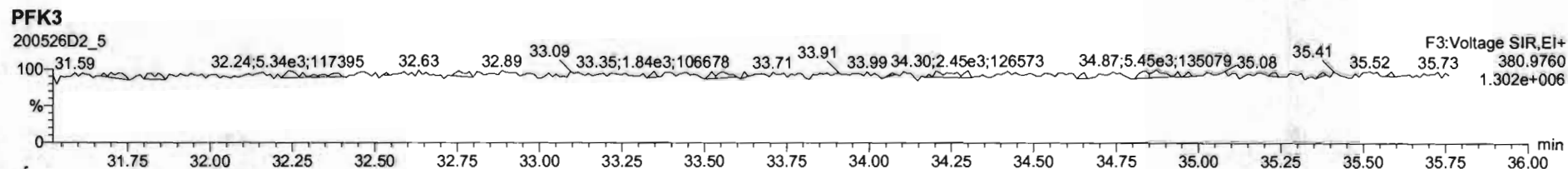
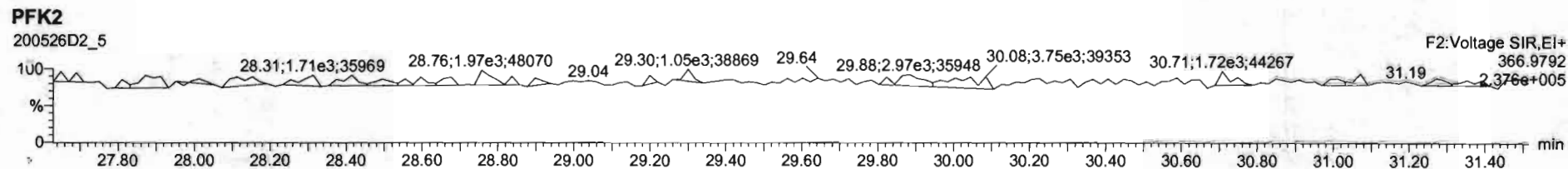
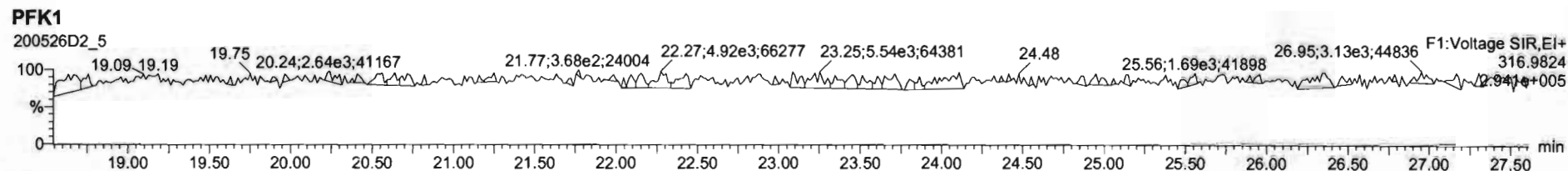


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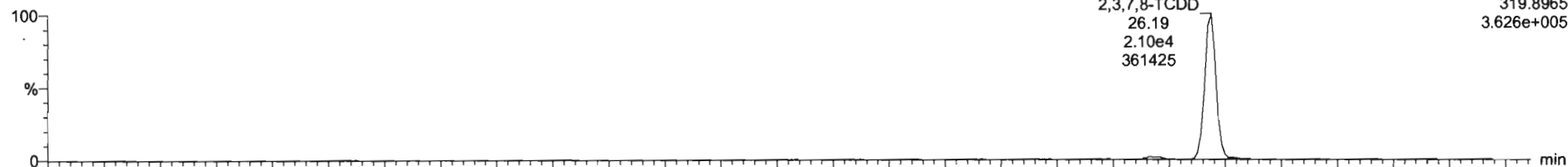
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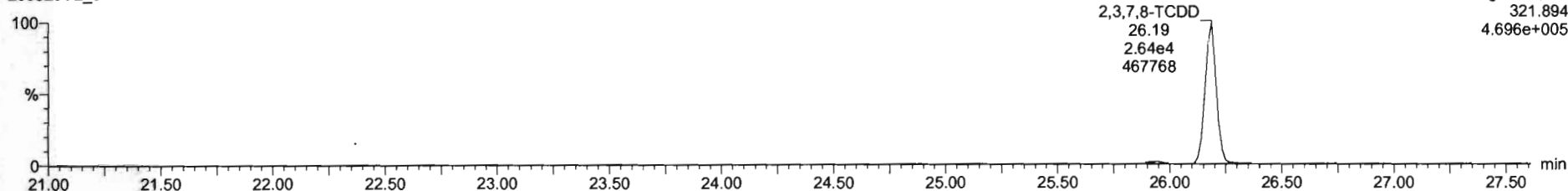
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2,3,7,8-TCDD

200526D2_6

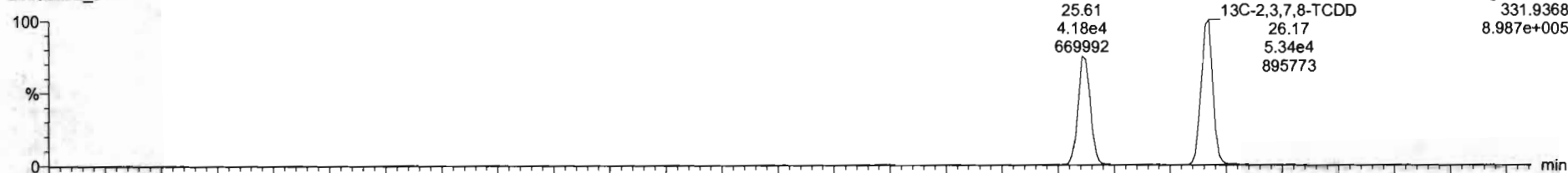


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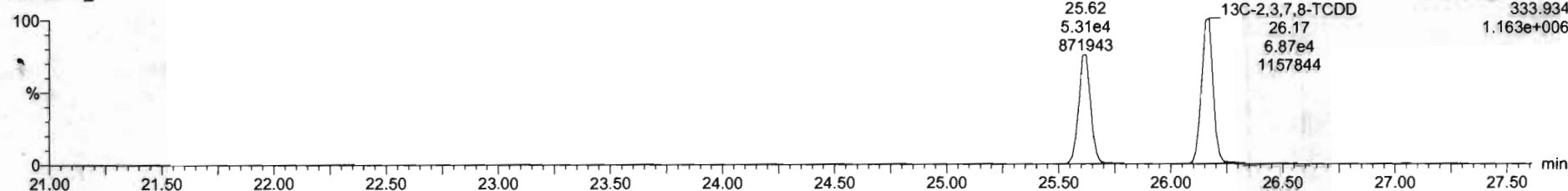


13C-2,3,7,8-TCDD

200526D2_6



200526D2_6

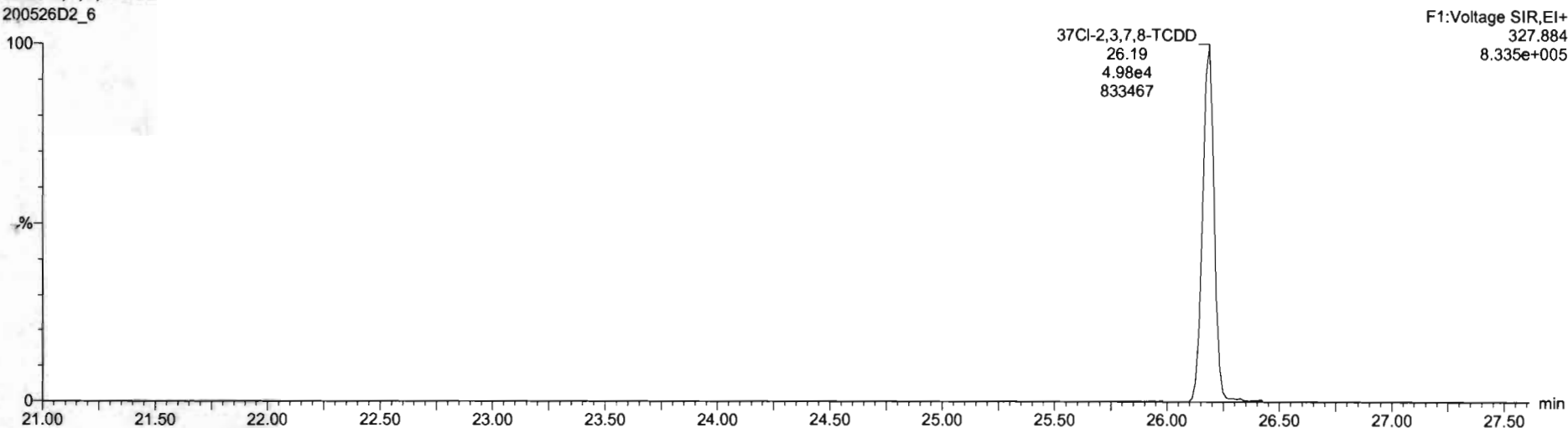


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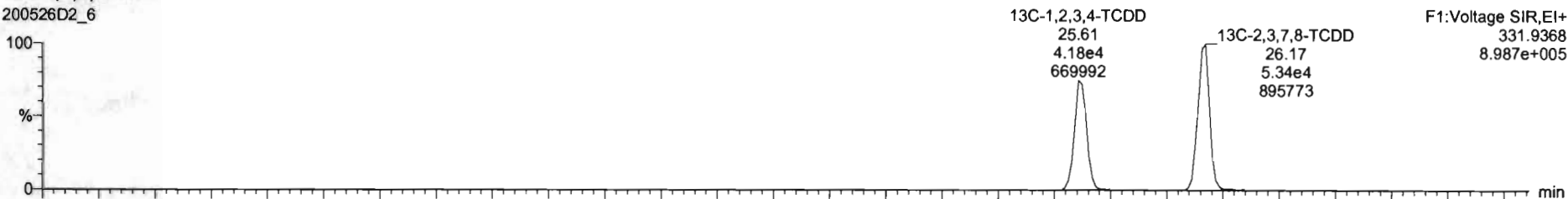
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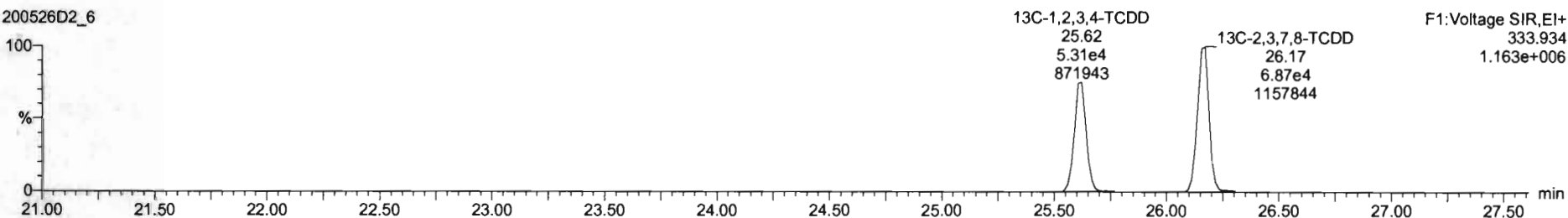
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200526D2_6



13C-1,2,3,4-TCDD
200526D2_6



200526D2_6



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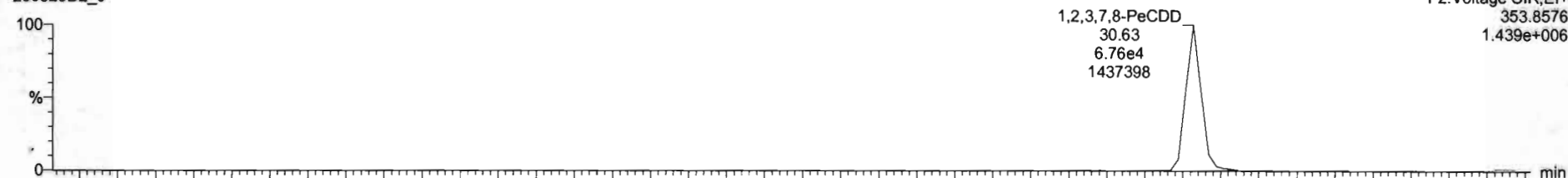
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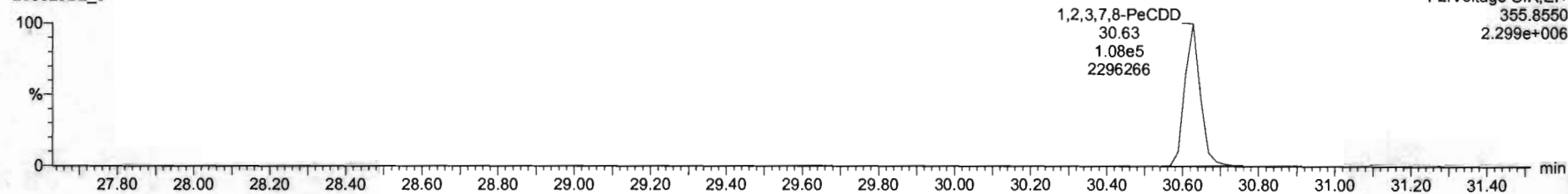
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1,2,3,7,8-PeCDD

200526D2_6

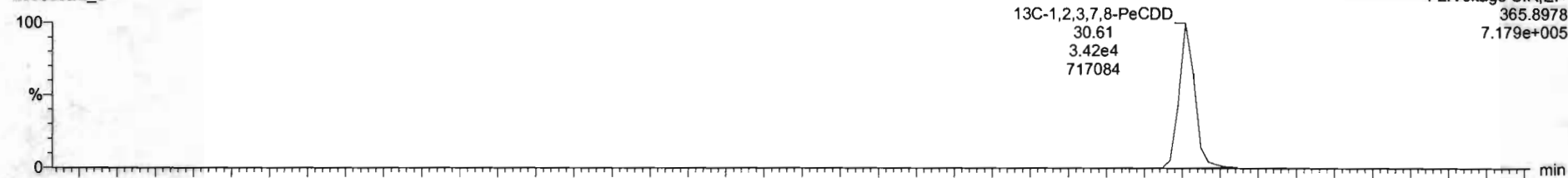


200526D2_6

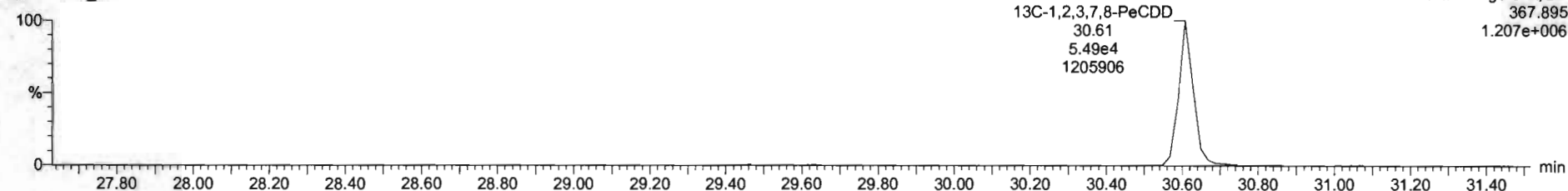


13C-1,2,3,7,8-PeCDD

200526D2_6



200526D2_6



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

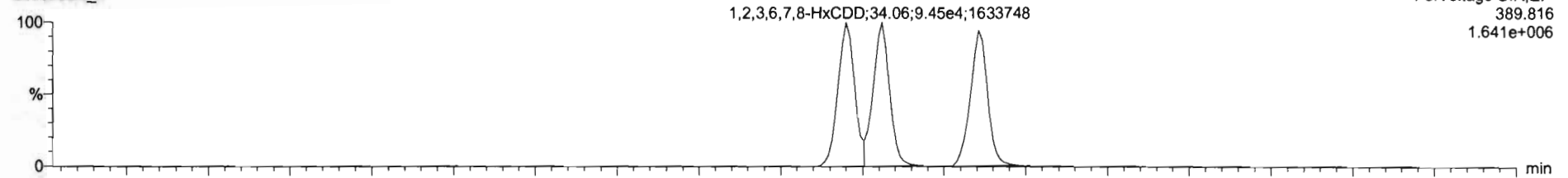
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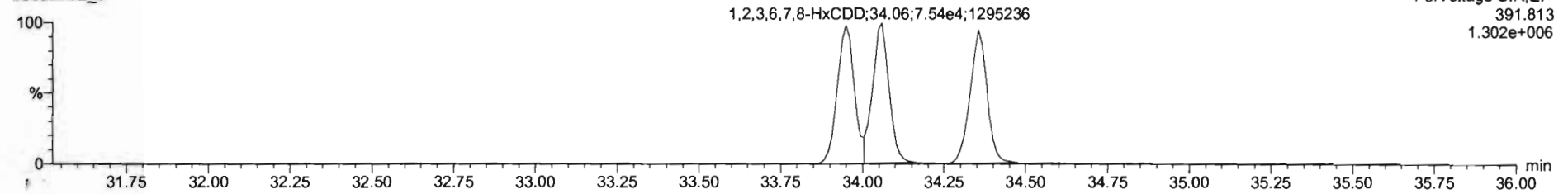
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1,2,3,4,7,8-HxCDD

200526D2_6

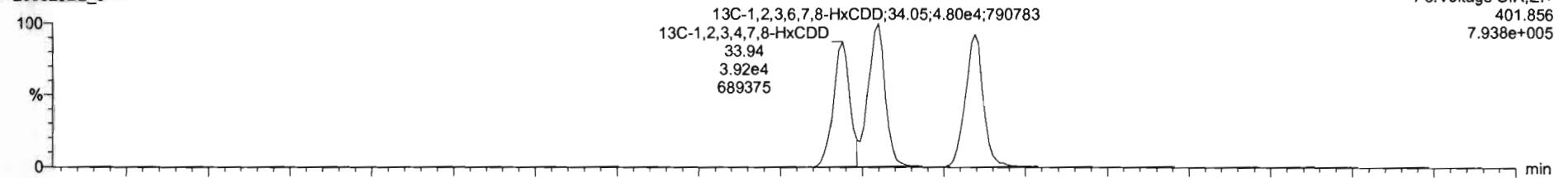


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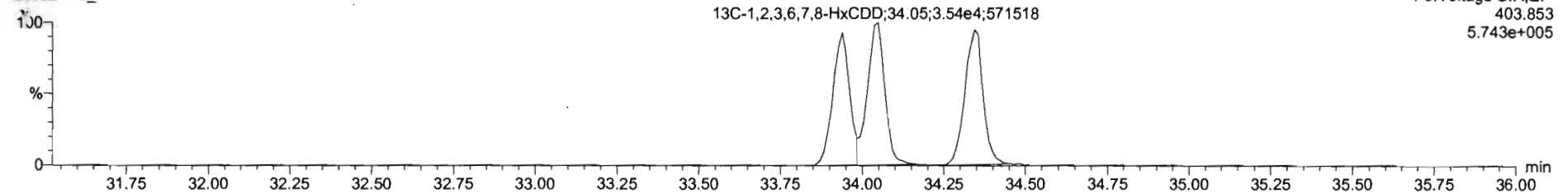


13C-1,2,3,4,7,8-HxCDD

200526D2_6



200526D2_6



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

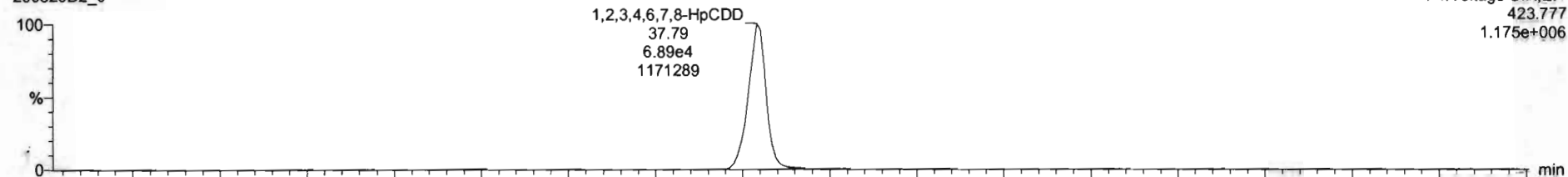
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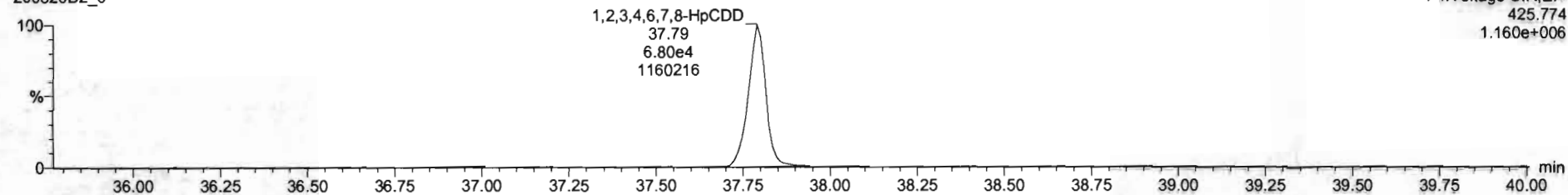
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1,2,3,4,6,7,8-HpCDD

200526D2_6

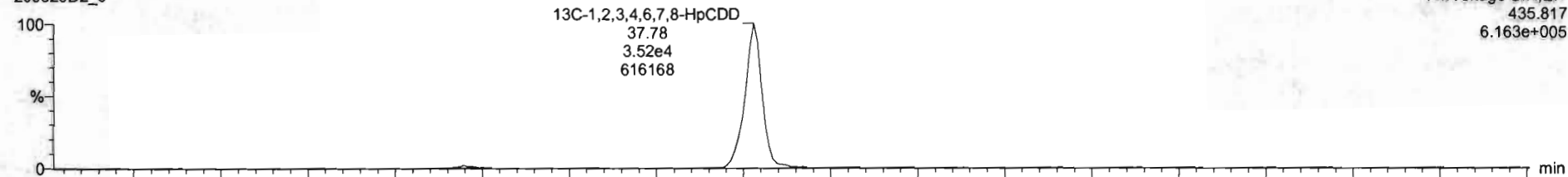


200526D2_6

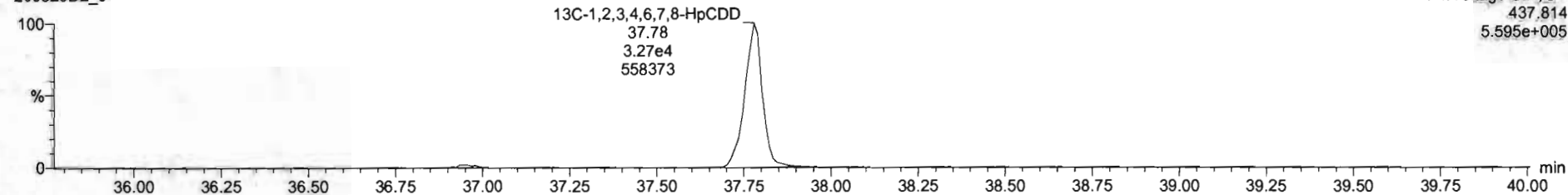


13C-1,2,3,4,6,7,8-HpCDD

200526D2_6



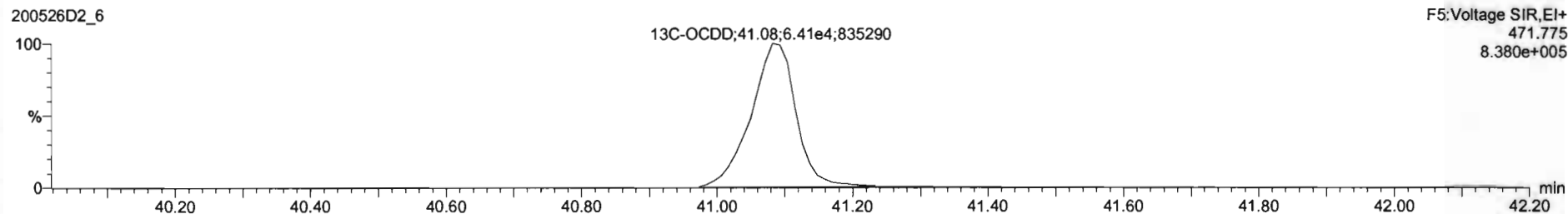
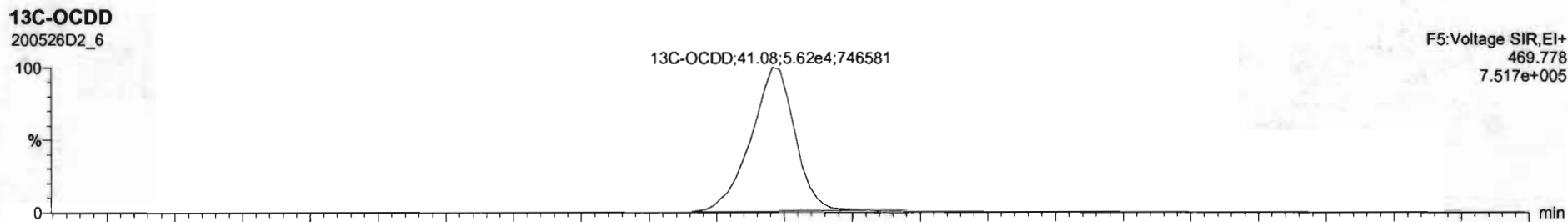
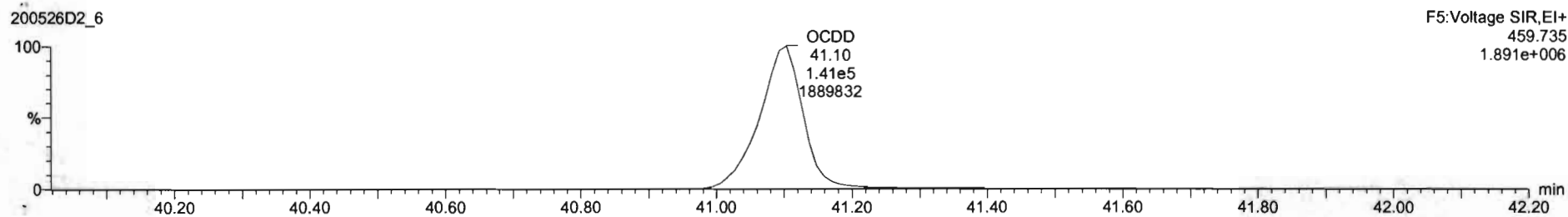
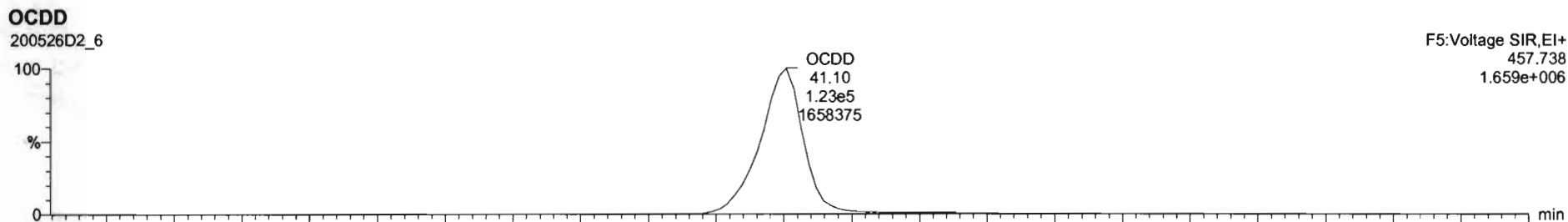
200526D2_6



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708



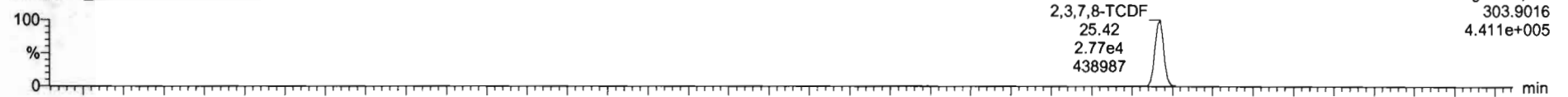
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Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

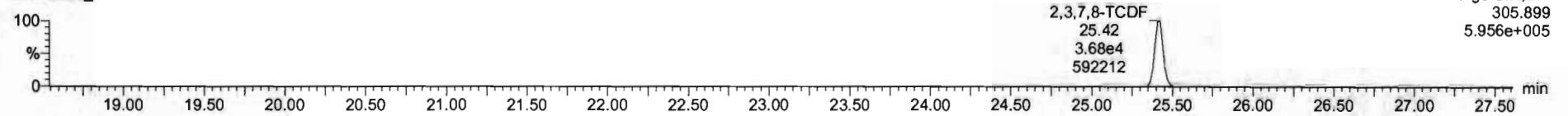
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2,3,7,8-TCDF

200526D2_6

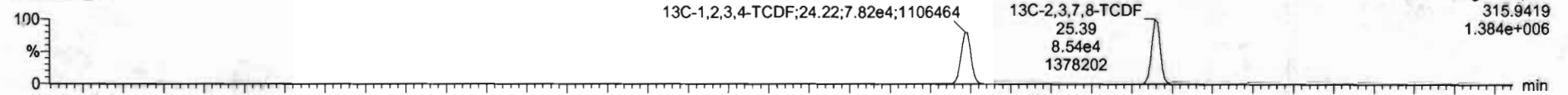


200526D2_6

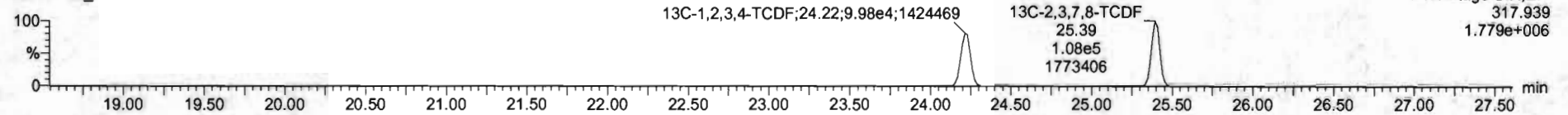


13C-2,3,7,8-TCDF

200526D2_6

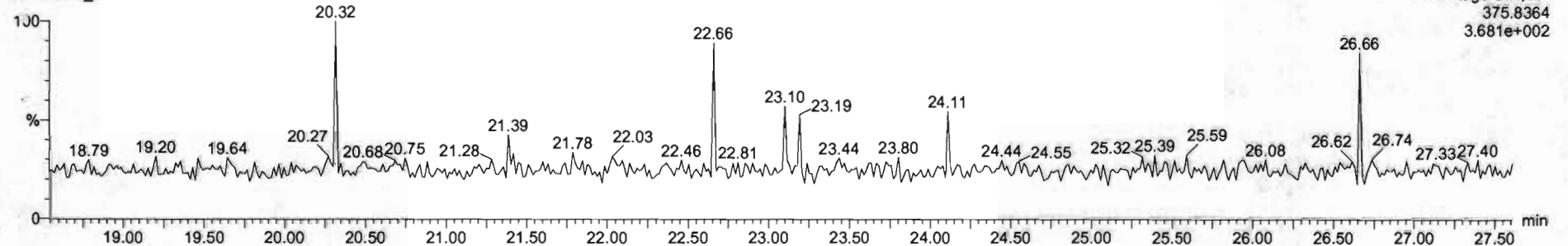


200526D2_6



DPE1

200526D2_6



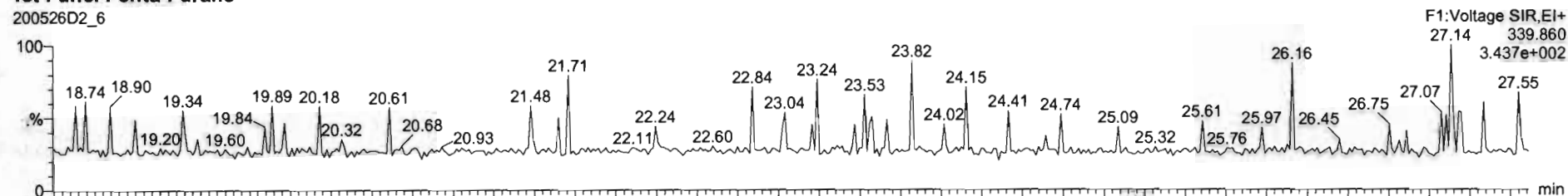
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

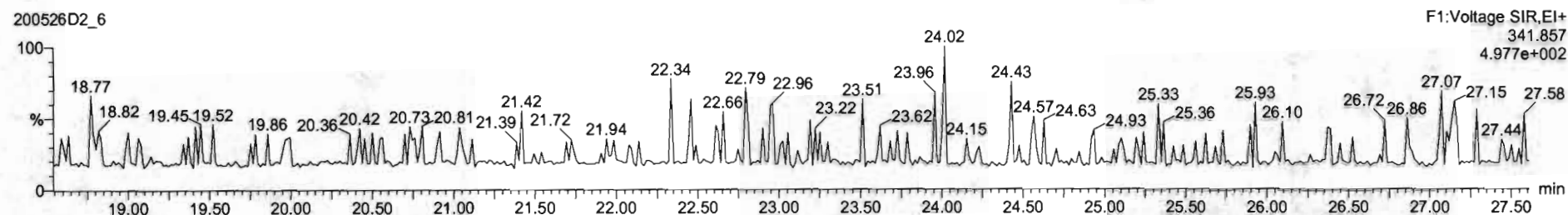
Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

1st Func. Penta-Furans

200526D2_6

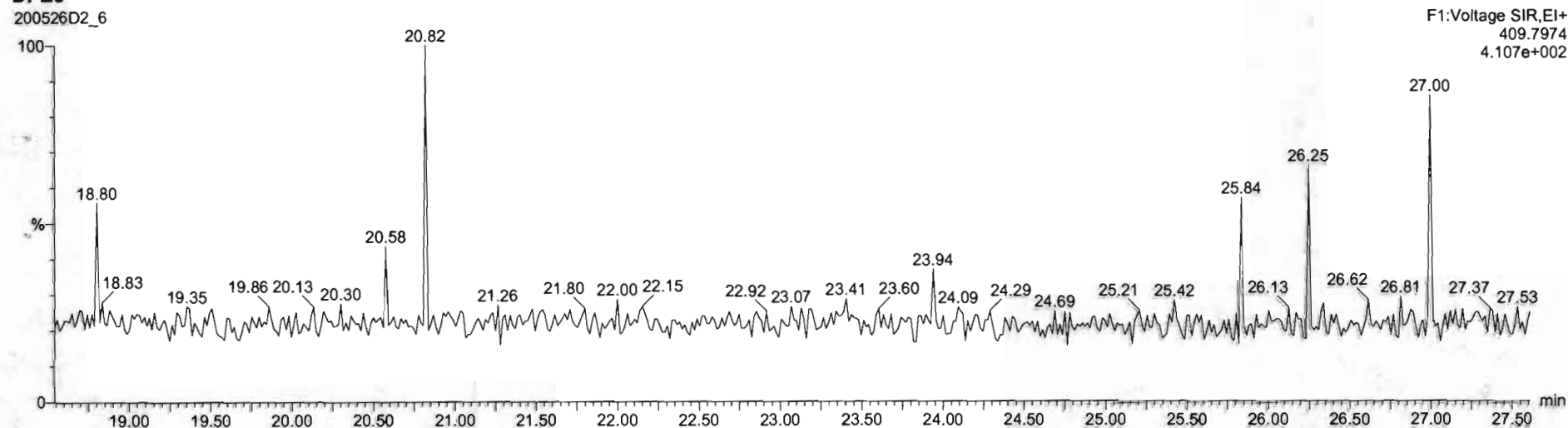


200526D2_6



DPE6

200526D2_6



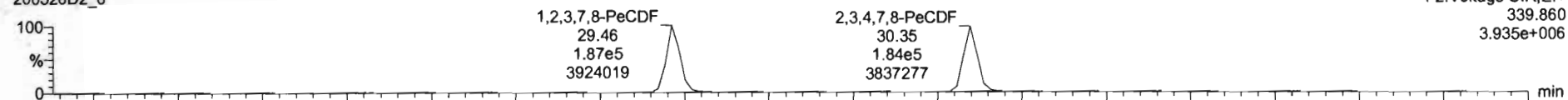
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

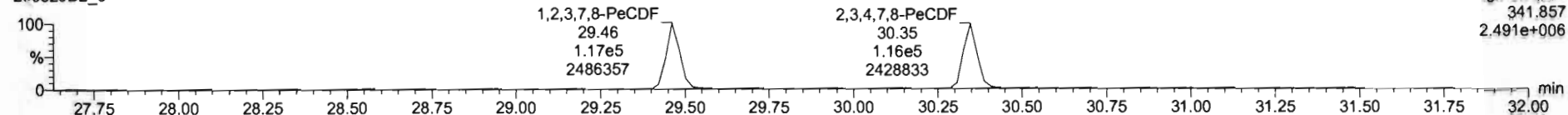
1,2,3,7,8-PeCDF

200526D2_6



F2: Voltage SIR, EI+
339.860
3.935e+006

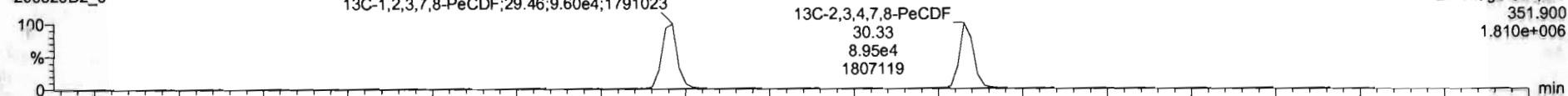
200526D2_6



F2: Voltage SIR, EI+
341.857
2.491e+006

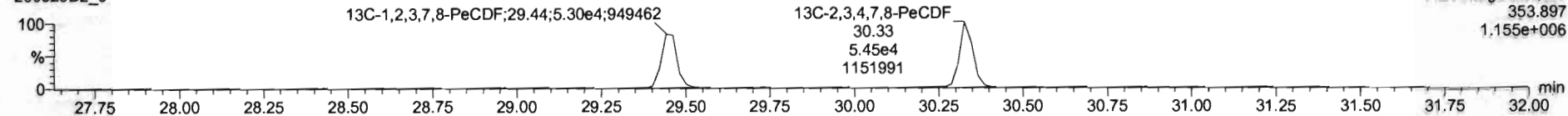
13C-1,2,3,7,8-PeCDF

200526D2_6



F2: Voltage SIR, EI+
351.900
1.810e+006

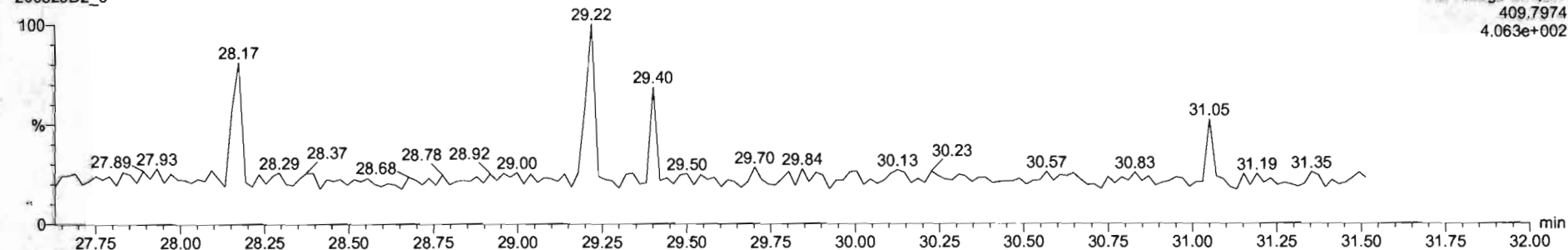
200526D2_6



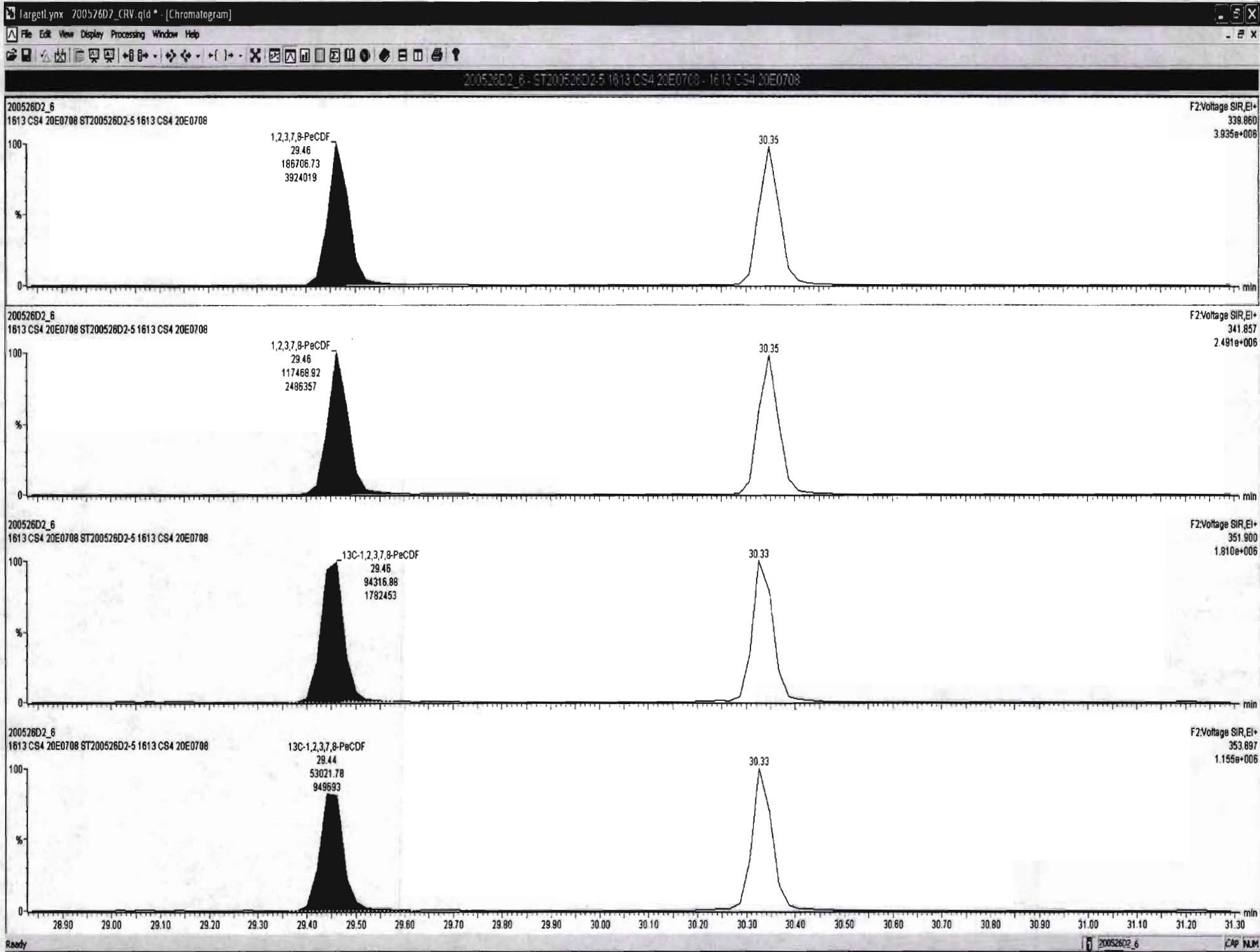
F2: Voltage SIR, EI+
353.897
1.155e+006

DPE2

200526D2_6



F2: Voltage SIR, EI+
409.7974
4.063e+002



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

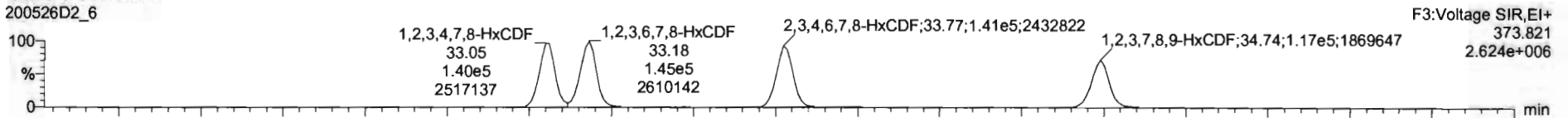
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

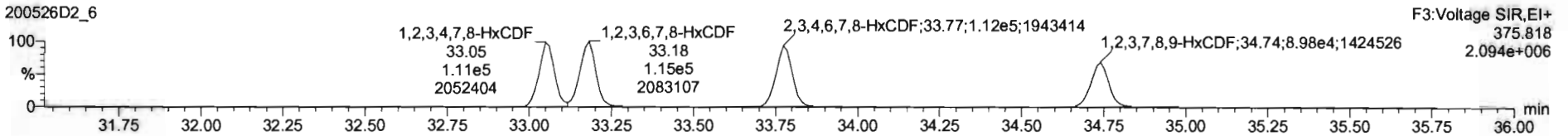
Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

1,2,3,4,7,8-HxCDF

200526D2_6

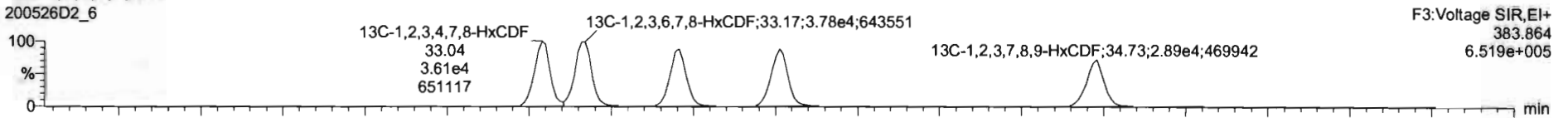


200526D2_6

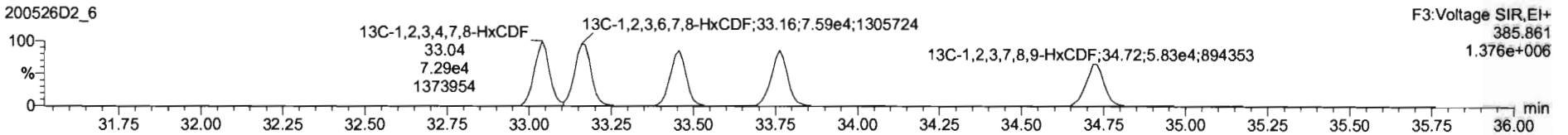


13C-1,2,3,4,7,8-HxCDF

200526D2_6

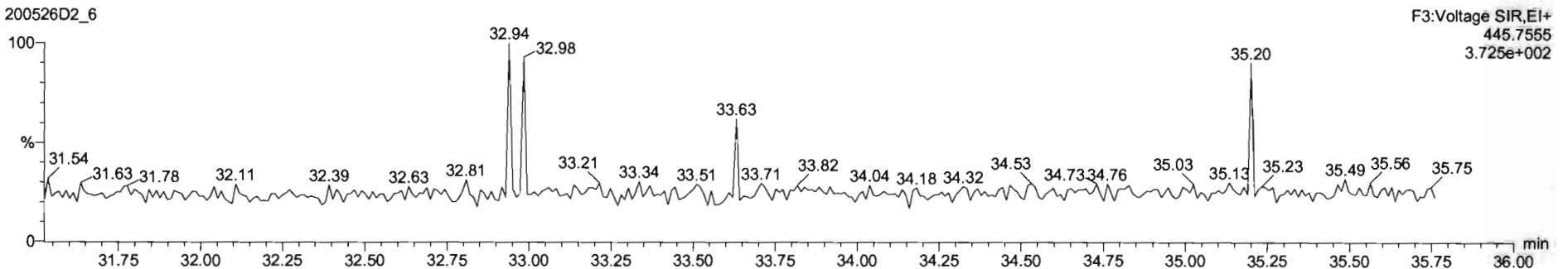


200526D2_6



DPE3

200526D2_6



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

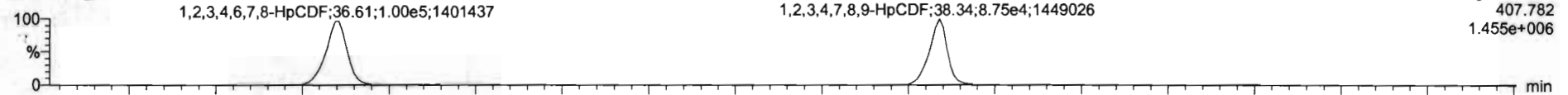
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

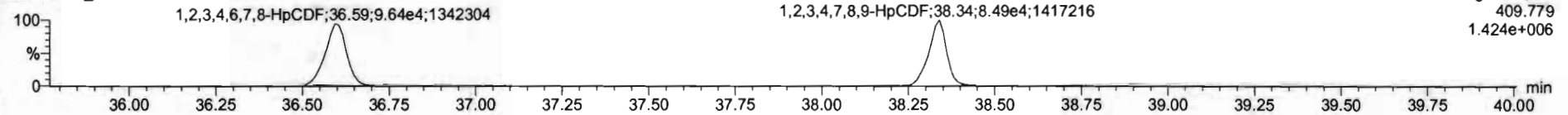
Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

1,2,3,4,6,7,8-HpCDF

200526D2_6

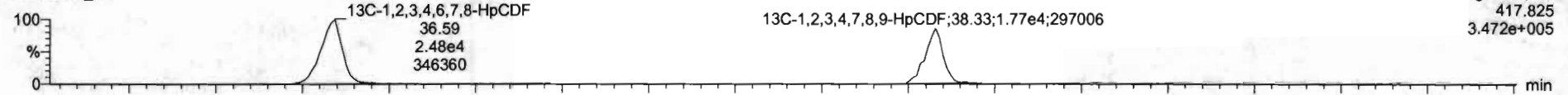


200526D2_6

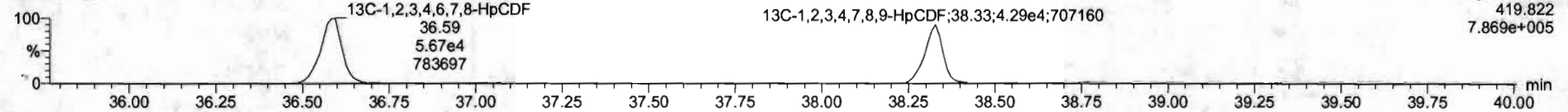


13C-1,2,3,4,6,7,8-HpCDF

200526D2_6

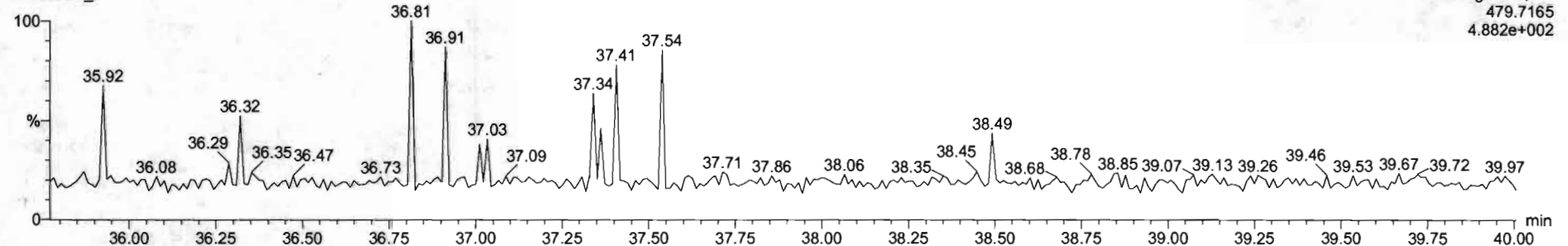


200526D2_6



DPE4

200526D2_6



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

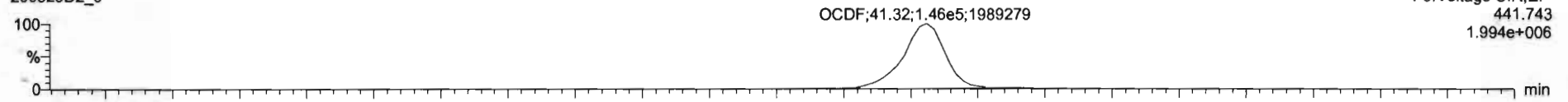
Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time

Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

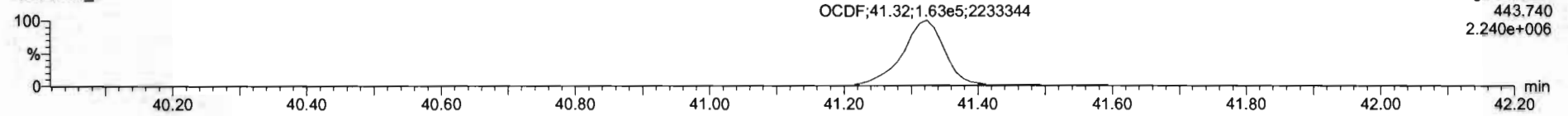
Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708

OCDF

200526D2_6

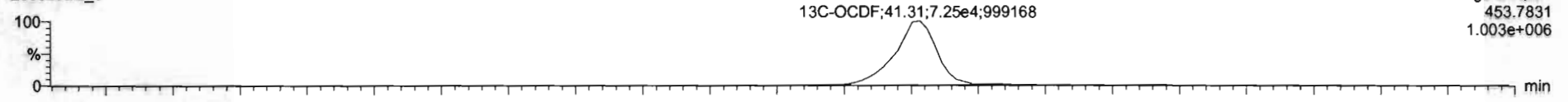


200526D2_6

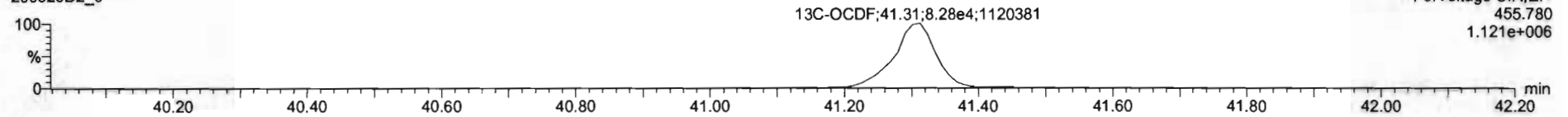


13C-OCDF

200526D2_6

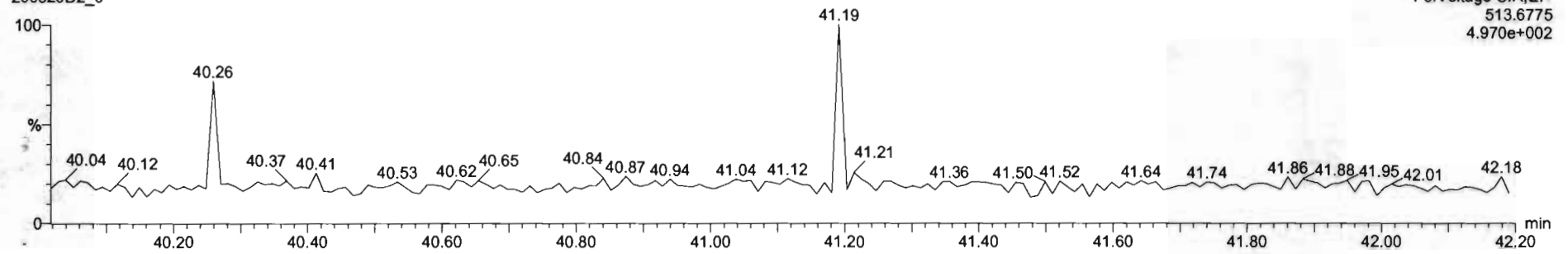


200526D2_6



DPE5

200526D2_6

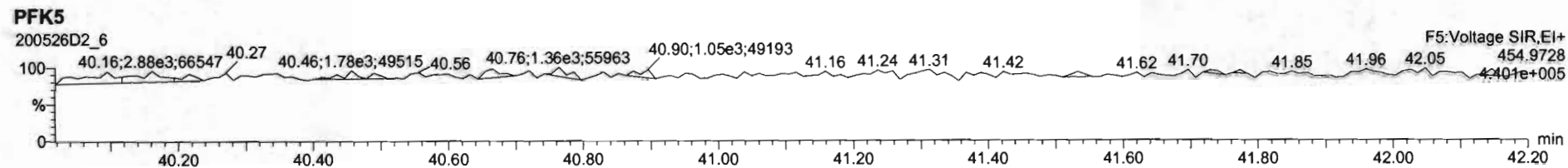
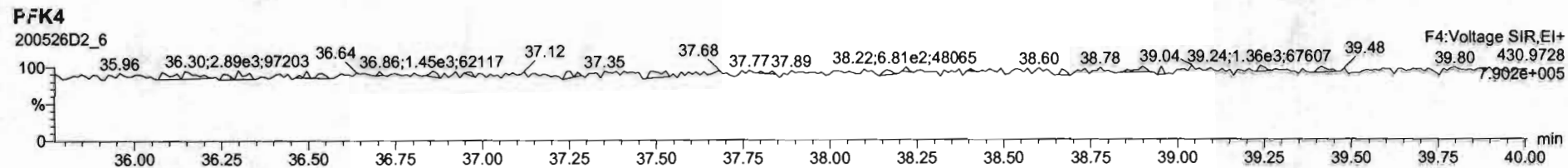
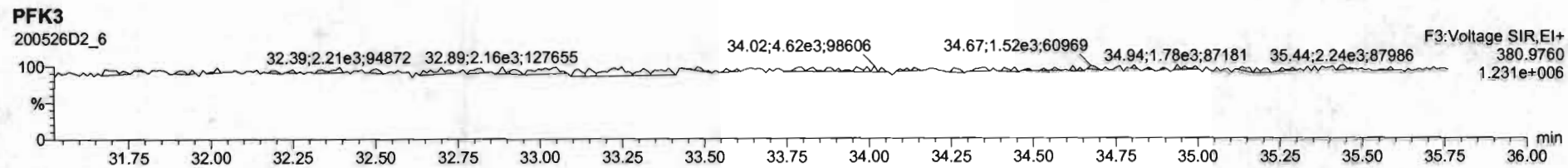
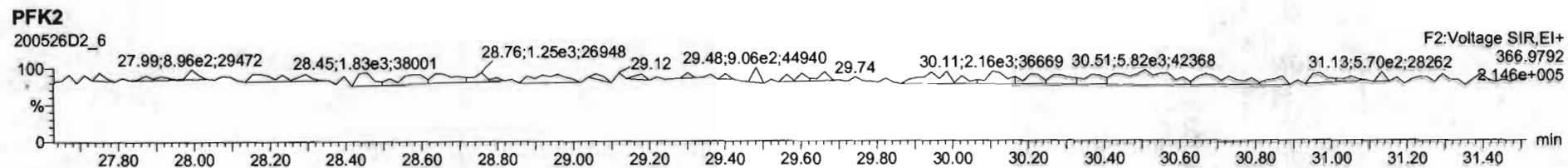
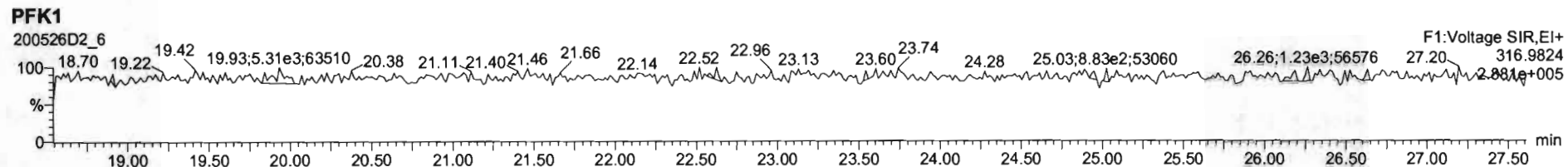


Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time

Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_6, Date: 26-May-2020, Time: 23:58:05, ID: ST200526D2-5 1613 CS4 20E0708, Description: 1613 CS4 20E0708



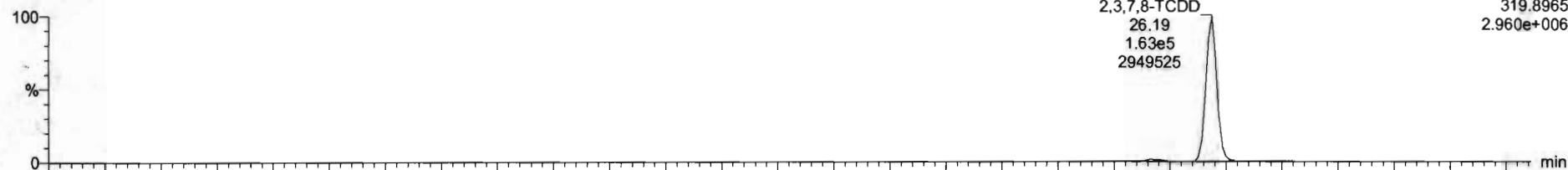
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

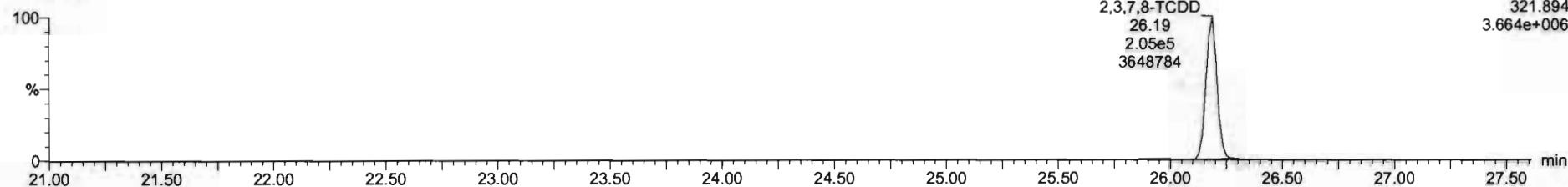
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2,3,7,8-TCDD

200526D2_7

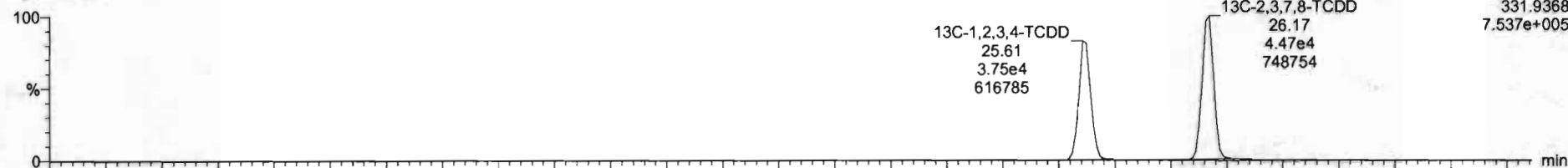


200526D2_7

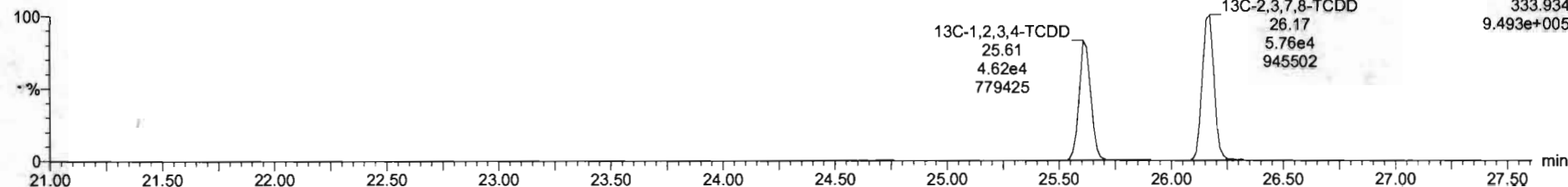


13C-2,3,7,8-TCDD

200526D2_7



200526D2_7

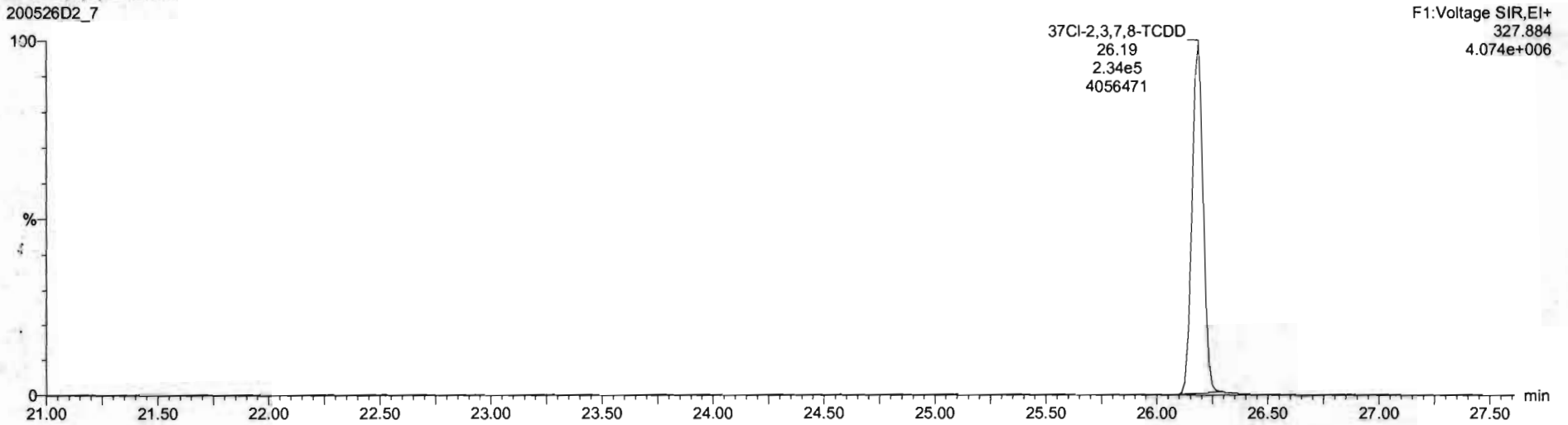


Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

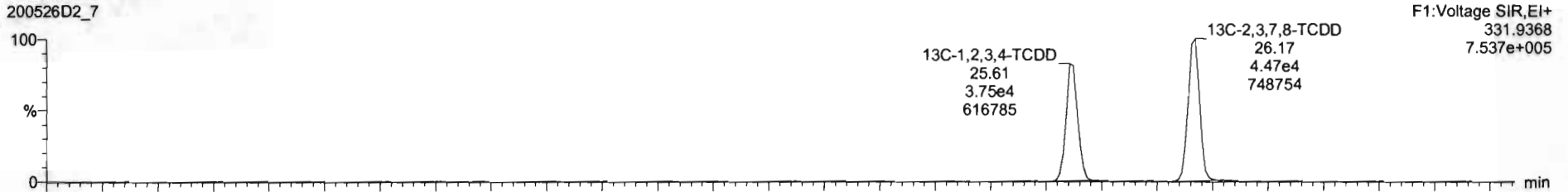
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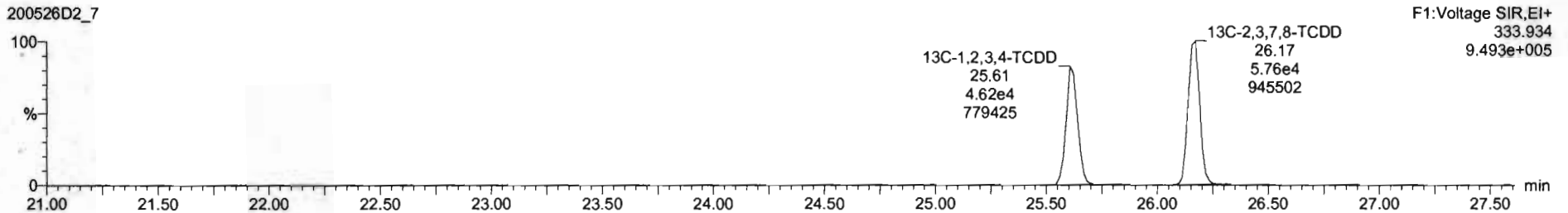
37Cl-2,3,7,8-TCDD
200526D2_7



13C-1,2,3,4-TCDD
200526D2_7



200526D2_7



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

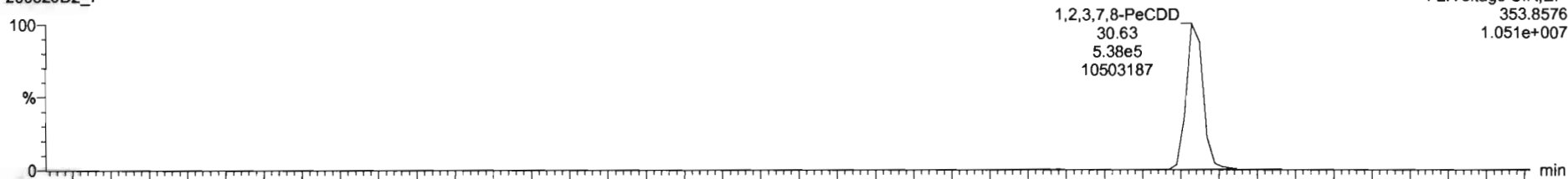
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

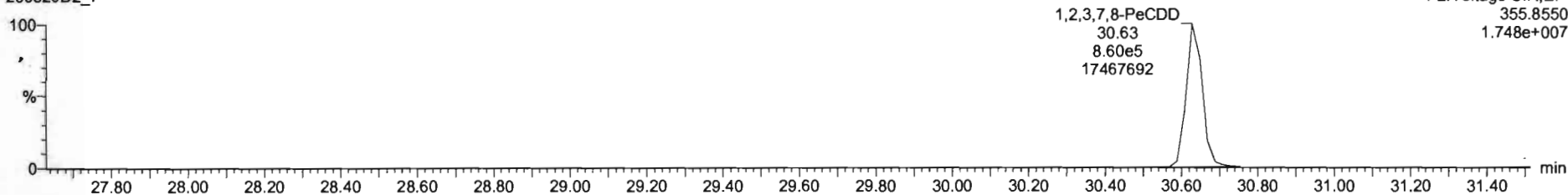
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1,2,3,7,8-PeCDD

200526D2_7

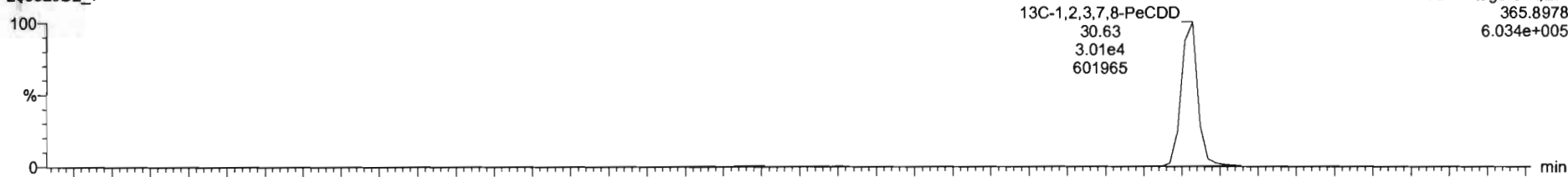


200526D2_7

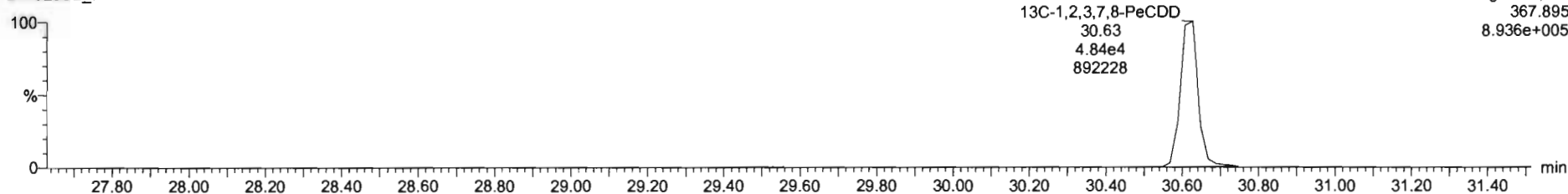


13C-1,2,3,7,8-PeCDD

200526D2_7



200526D2_7



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

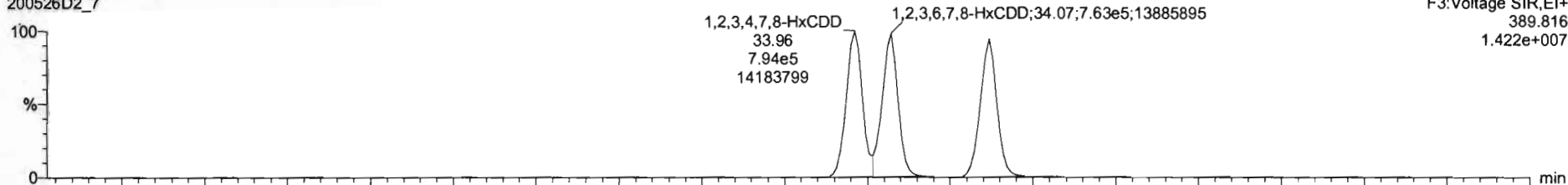
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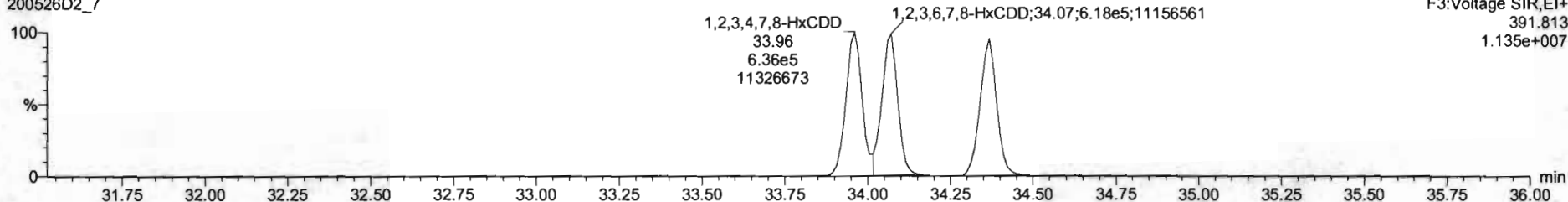
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1,2,3,4,7,8-HxCDD

200526D2_7

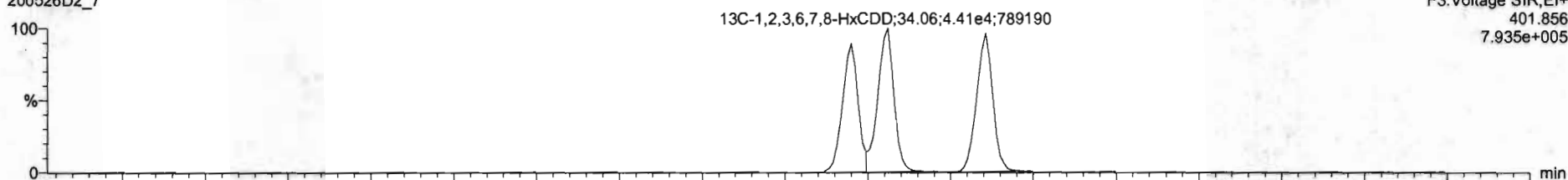


200526D2_7

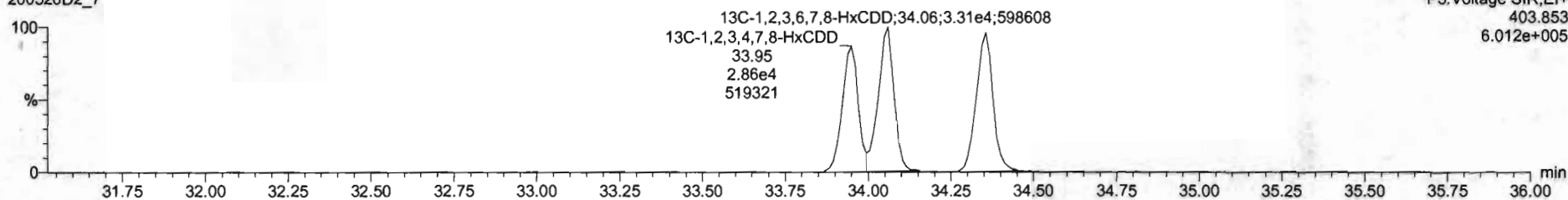


13C-1,2,3,4,7,8-HxCDD

200526D2_7



200526D2_7



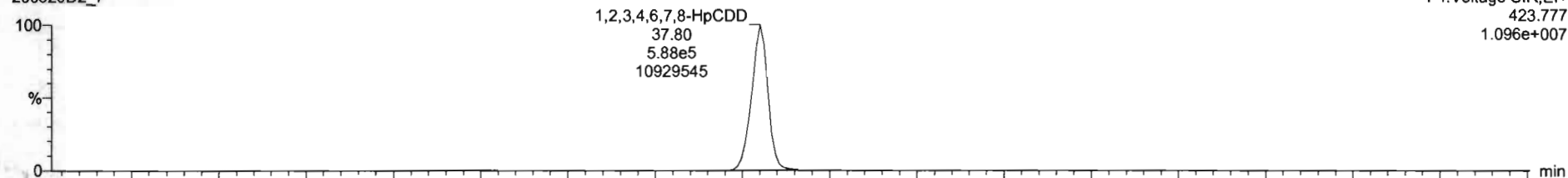
Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

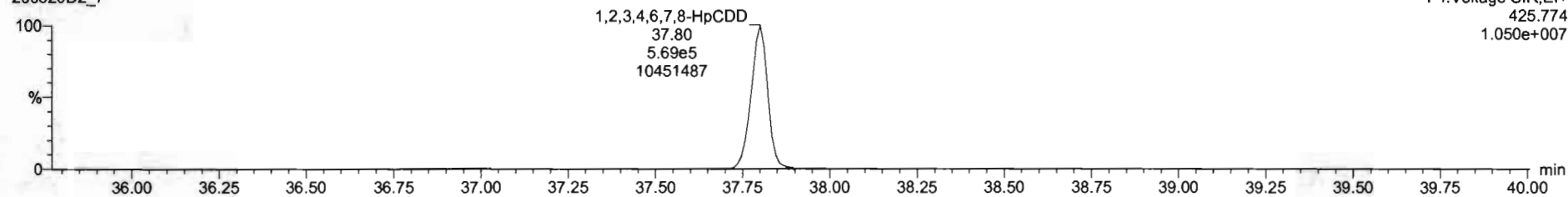
Name: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613 CS5 20E0709, Description: 1613 CS5 20E0709

1,2,3,4,6,7,8-HpCDD

200526D2_7

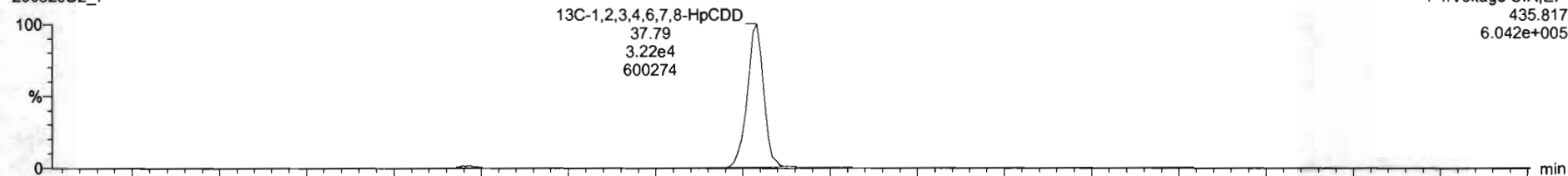


200526D2_7

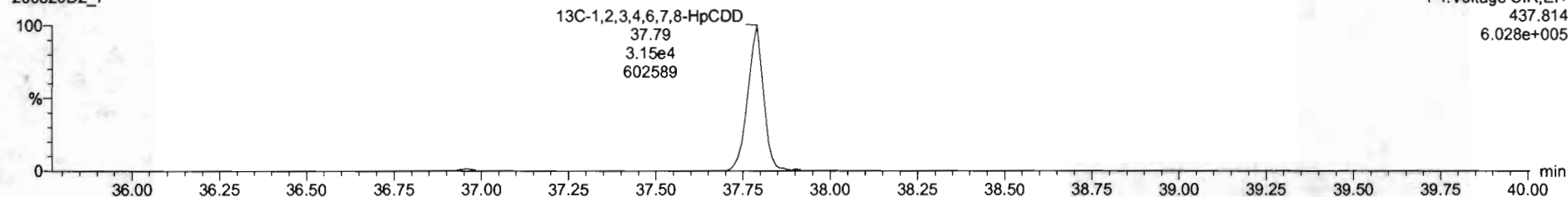


13C-1,2,3,4,6,7,8-HpCDD

200526D2_7



200526D2_7



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

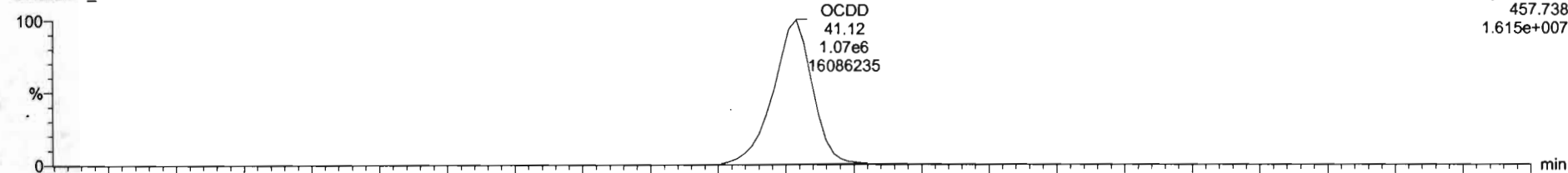
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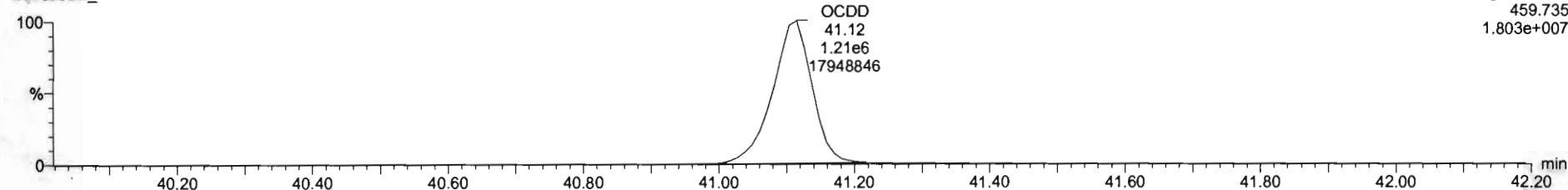
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OCDD

200526D2_7

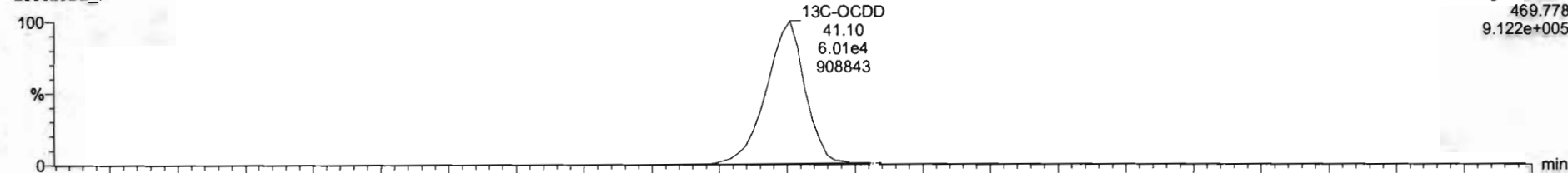


200526D2_7

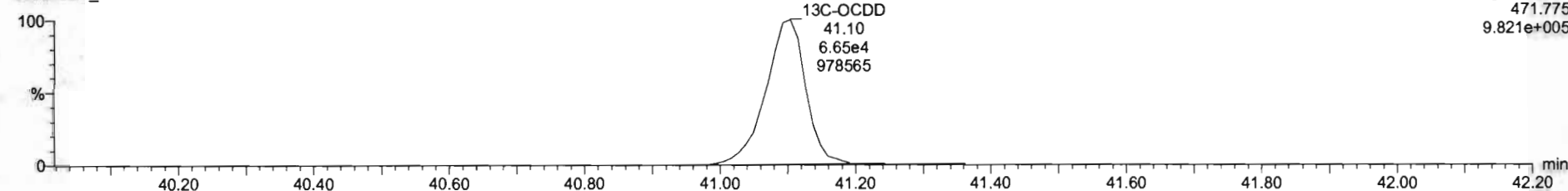


13C-OCDD

200526D2_7



200526D2_7



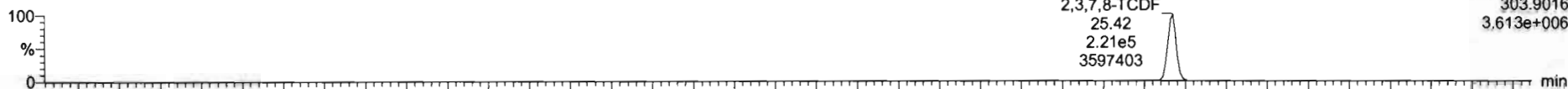
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613 CS5 20E0709, Description: 1613 CS5 20E0709

2,3,7,8-TCDF

200526D2_7



F1:Voltage SIR,EI+
303.9016
3.613e+006

200526D2_7



F1:Voltage SIR,EI+
305.899
4.586e+006

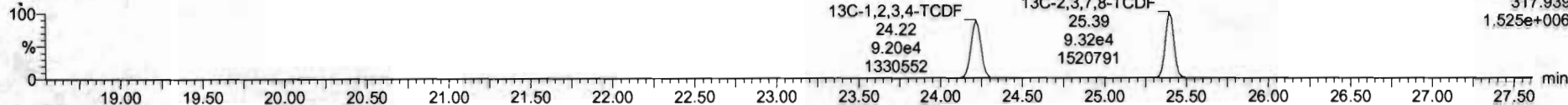
13C-2,3,7,8-TCDF

200526D2_7



F1:Voltage SIR,EI+
315.9419
1.186e+006

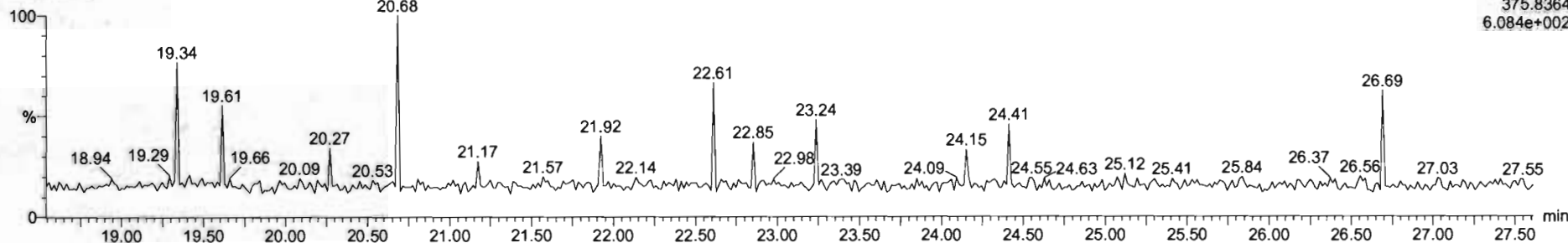
200526D2_7



F1:Voltage SIR,EI+
317.939
1.525e+006

DPE1

200526D2_7



F1:Voltage SIR,EI+
375.8364
6.084e+002

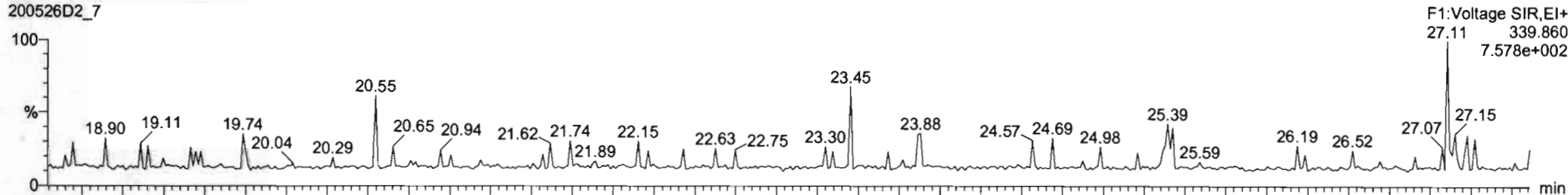
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Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

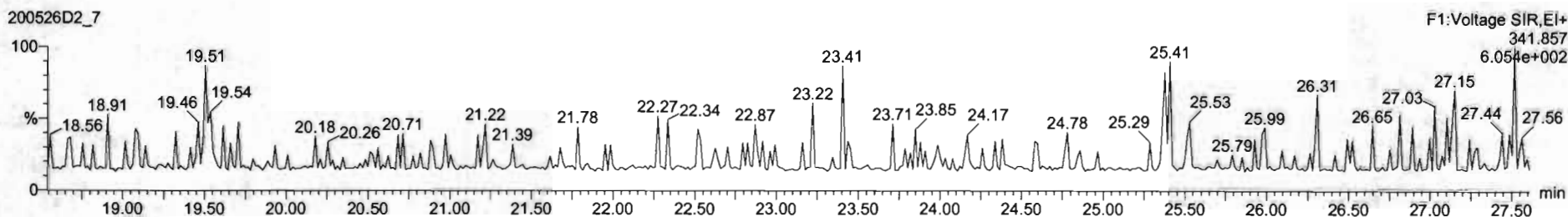
Name: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613 CS5 20E0709, Description: 1613 CS5 20E0709

1st Func. Penta-Furans

200526D2_7

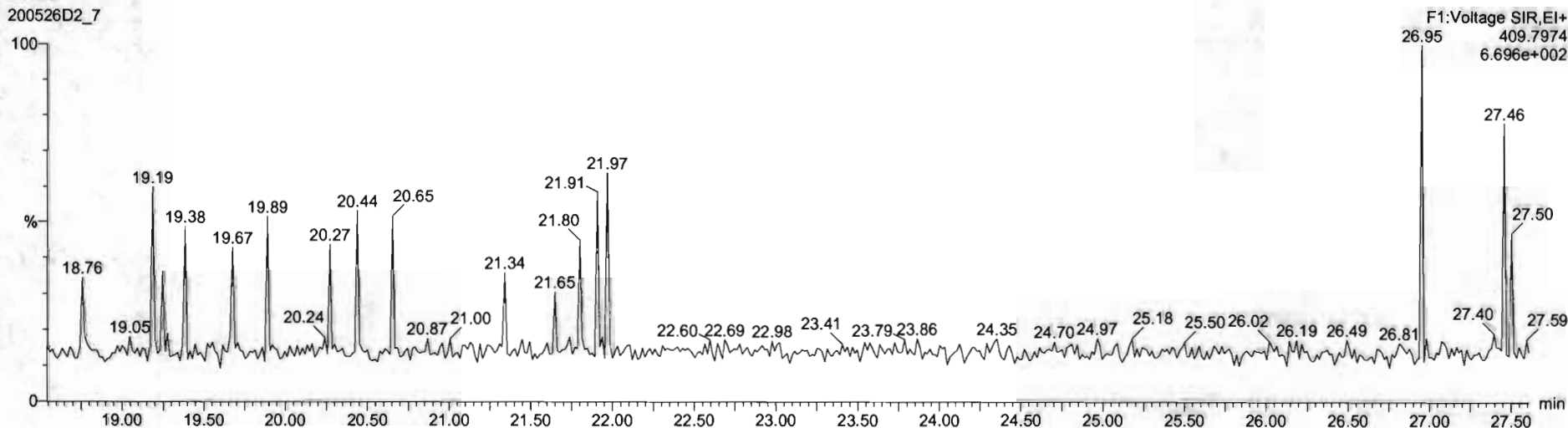


200526D2_7



DPE6

200526D2_7



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

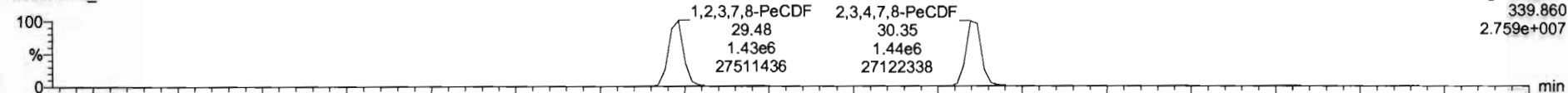
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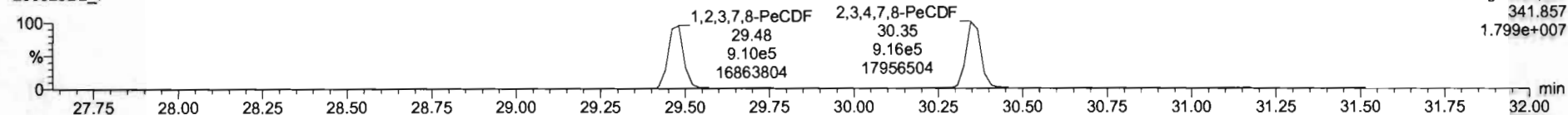
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1,2,3,7,8-PeCDF

200526D2_7

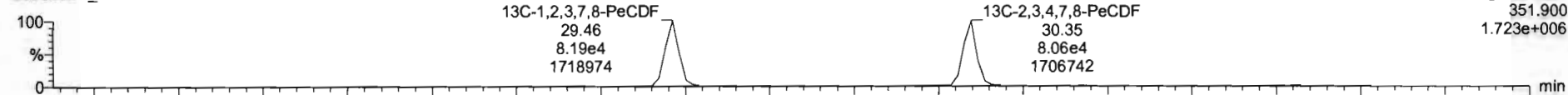


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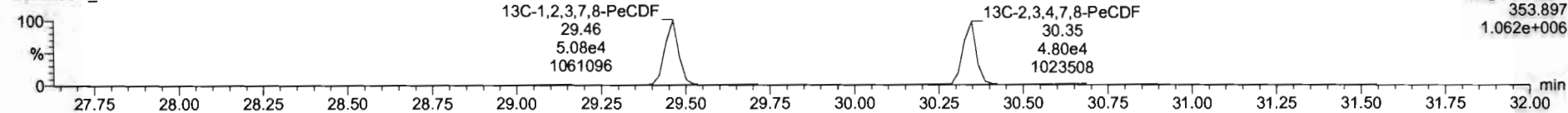


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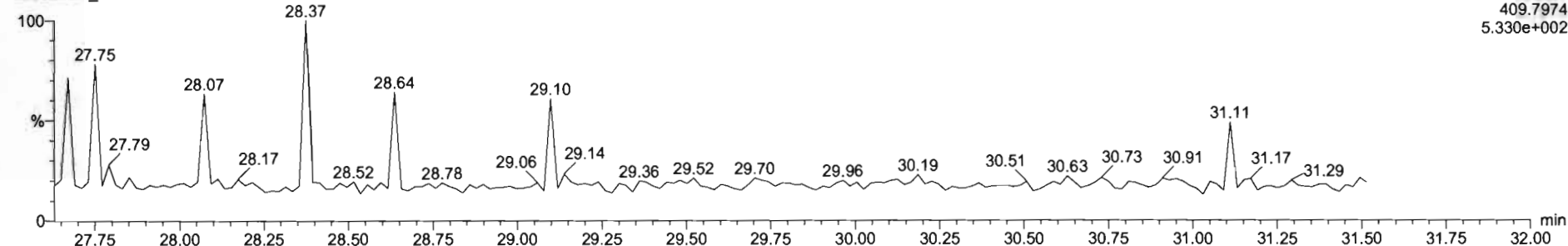


200526D2_7



DPE2

200526D2_7



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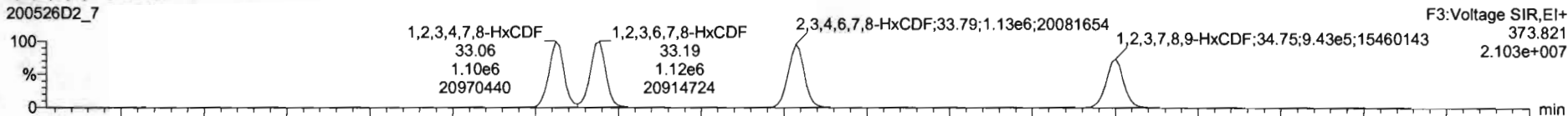
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

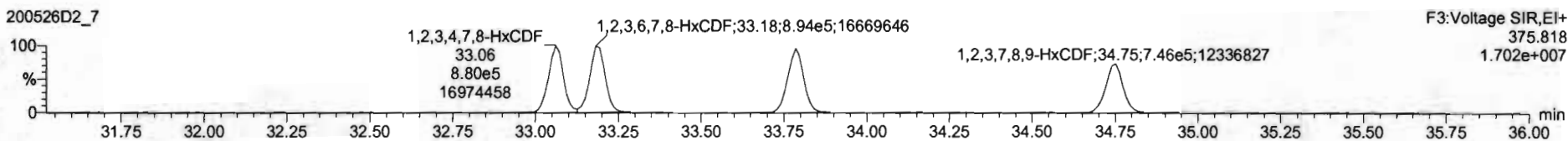
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1,2,3,4,7,8-HxCDF

200526D2_7

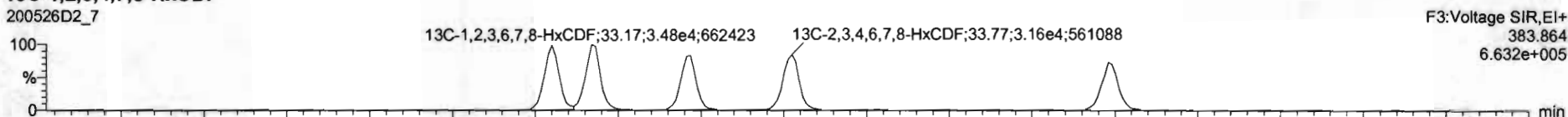


200526D2_7

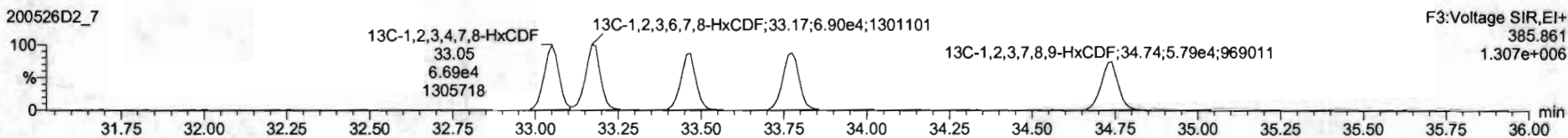


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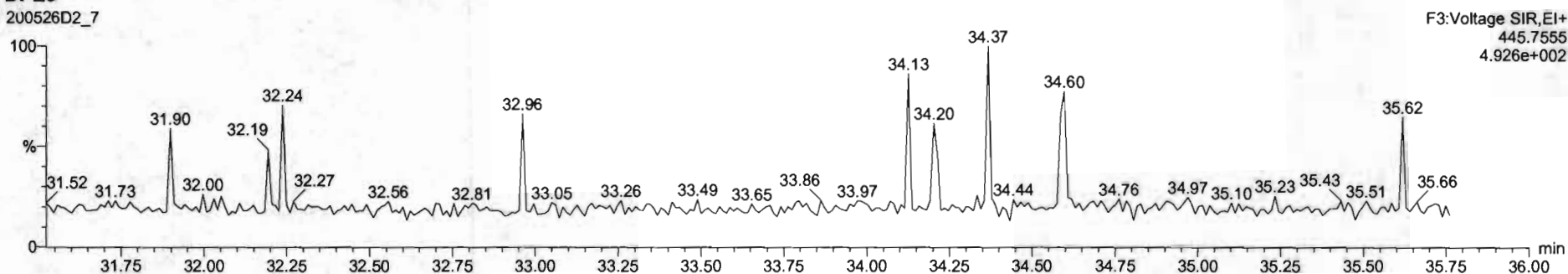


200526D2_7



DPE3

200526D2_7



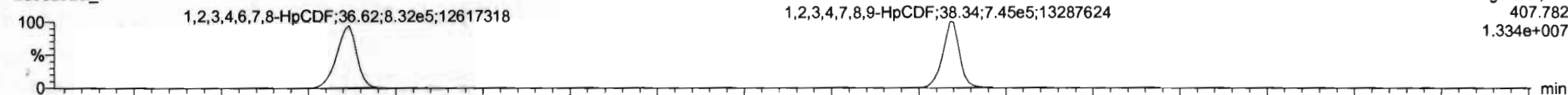
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Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

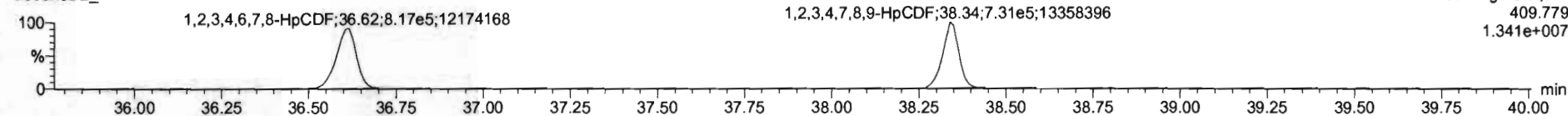
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1,2,3,4,6,7,8-HpCDF

200526D2_7

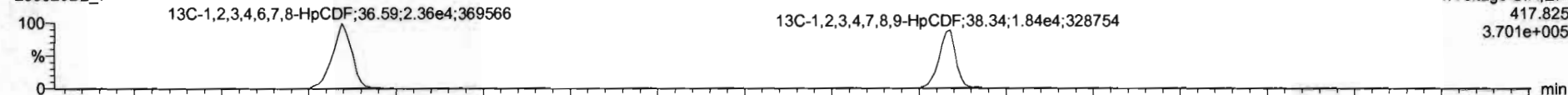


200526D2_7

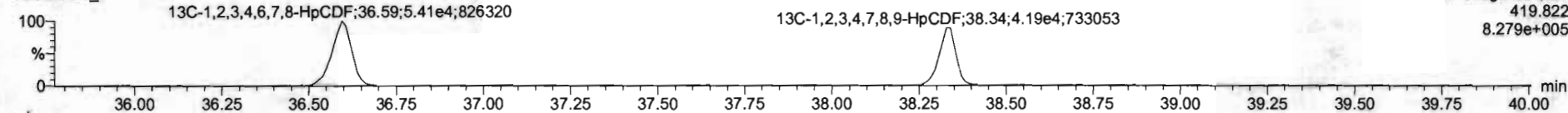


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200526D2_7

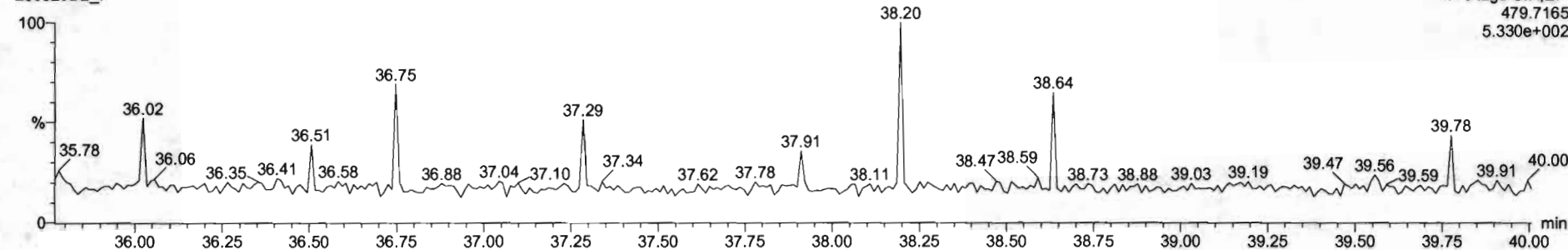


200526D2_7



DPE4

200526D2_7



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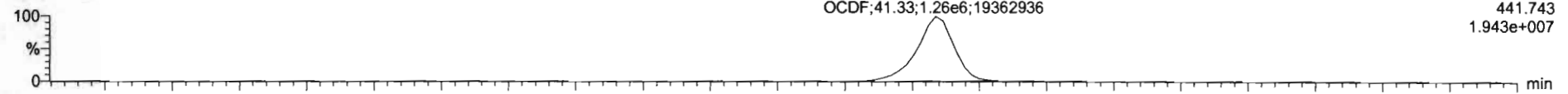
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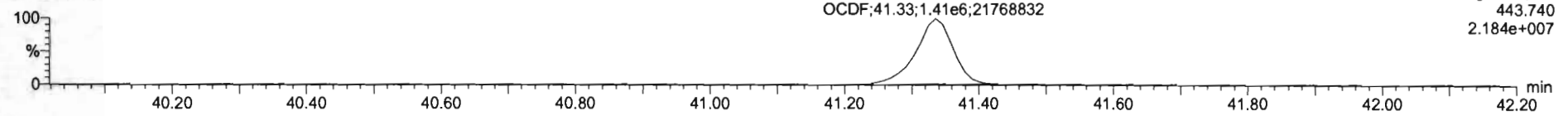
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OCDF

200526D2_7

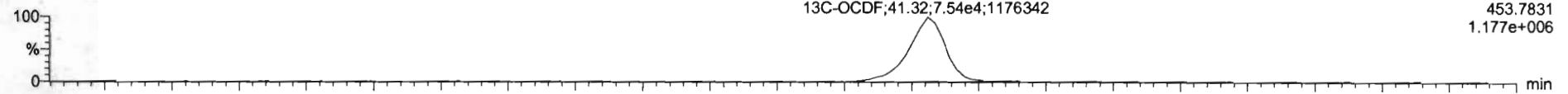


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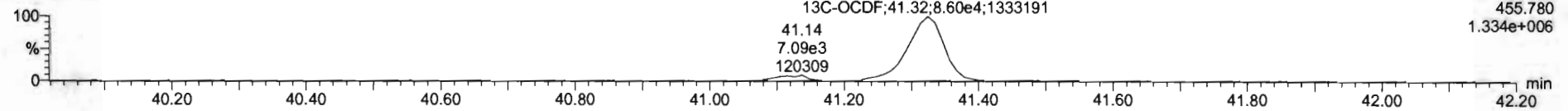


13C-OCDF

200526D2_7

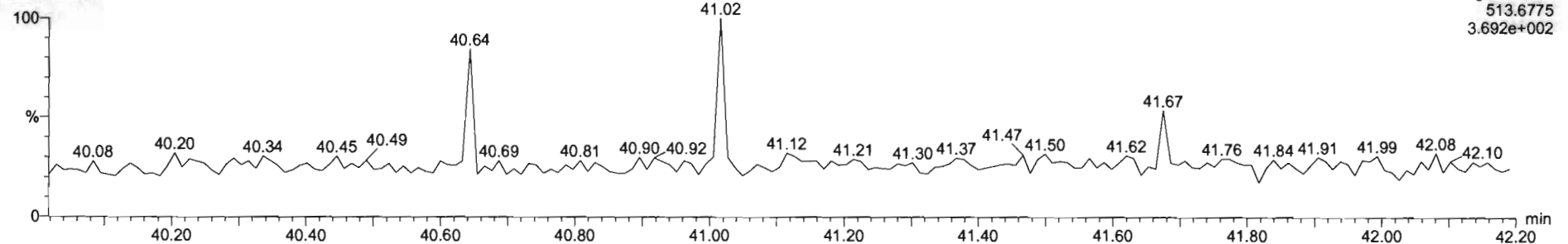


200526D2_7



DPE5

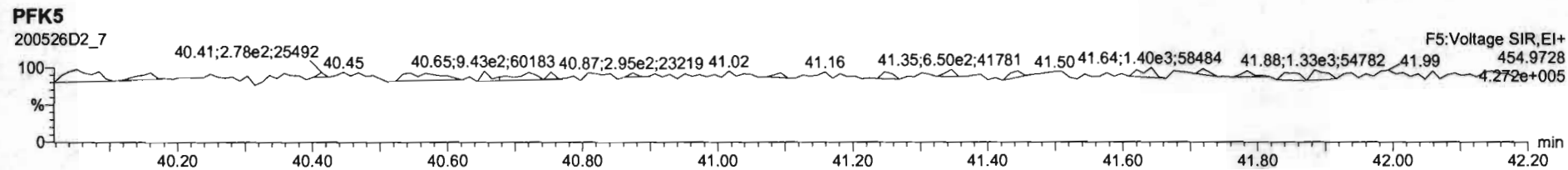
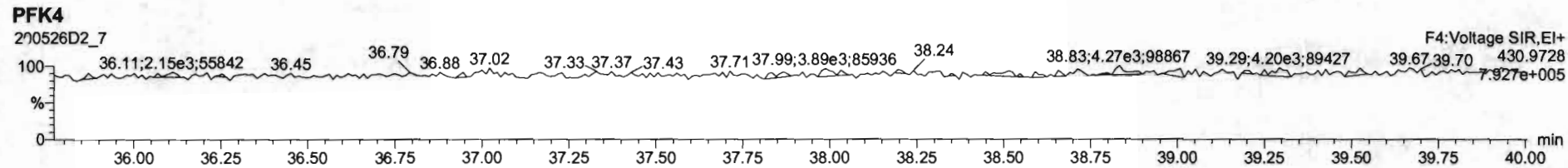
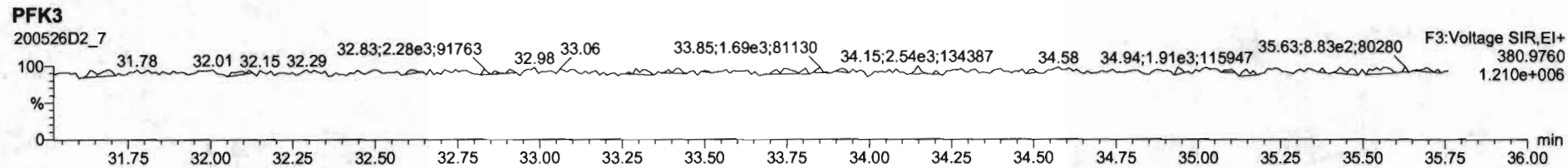
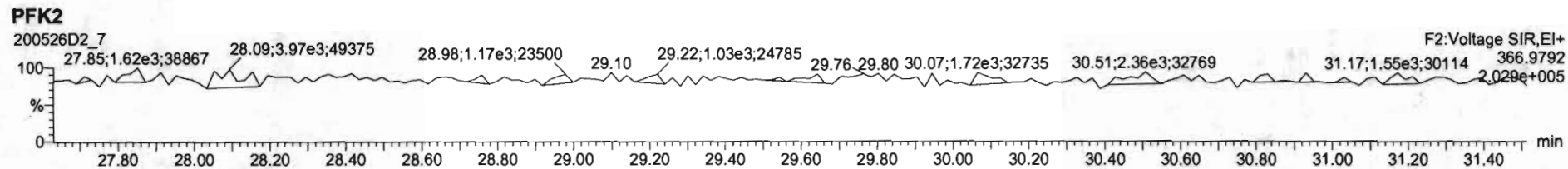
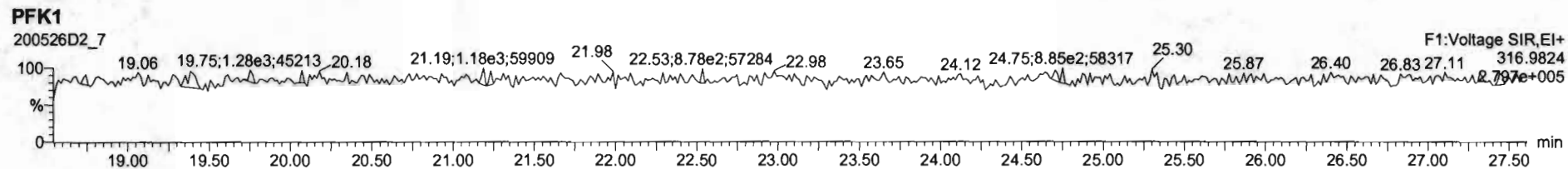
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Dataset: U:\VG7.PRO\Results\200526D2\200526D2_CRV.qld

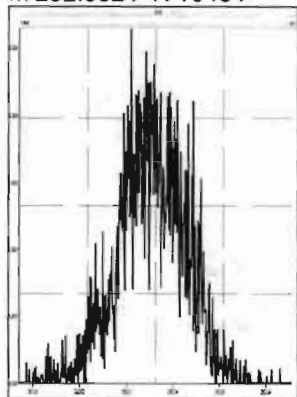
Last Altered: Wednesday, May 27, 2020 11:41:15 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 11:42:00 Pacific Daylight Time

Name: 200526D2_7, Date: 27-May-2020, Time: 00:43:15, ID: ST200526D2-6 1613 CS5 20E0709, Description: 1613 CS5 20E0709

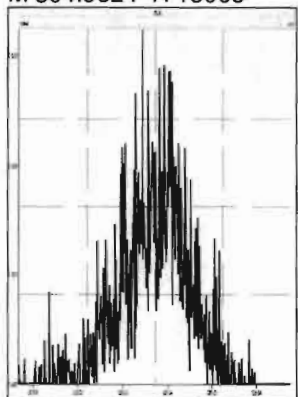


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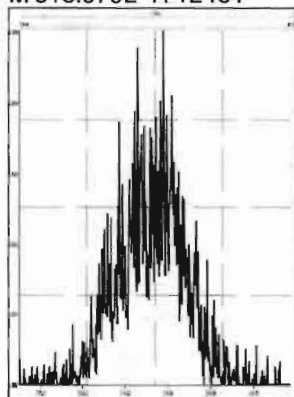
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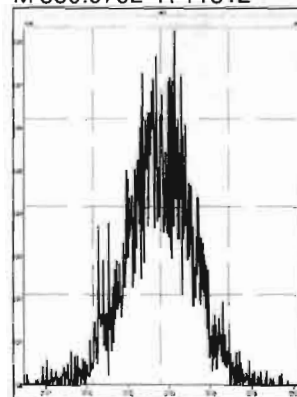
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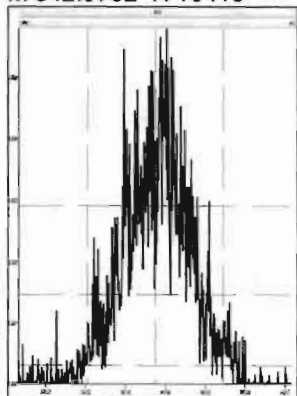
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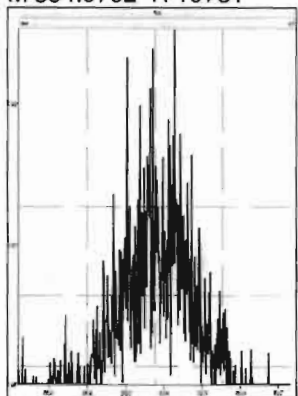
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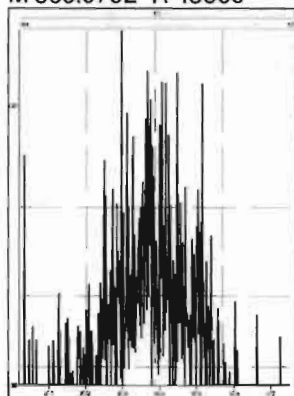
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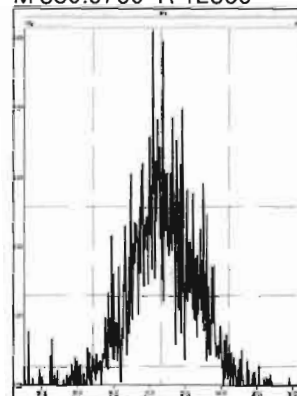
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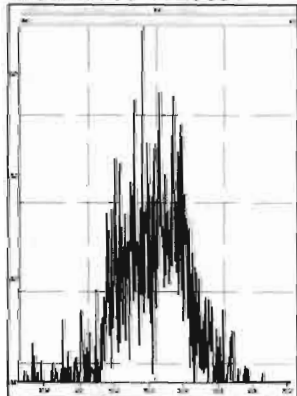
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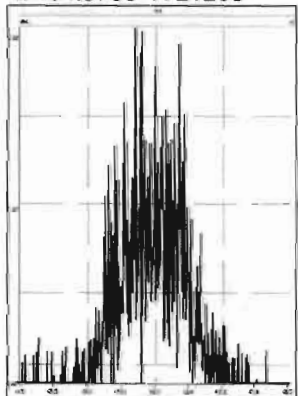
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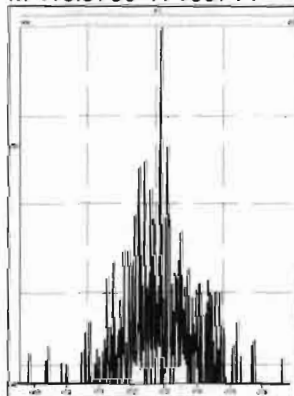
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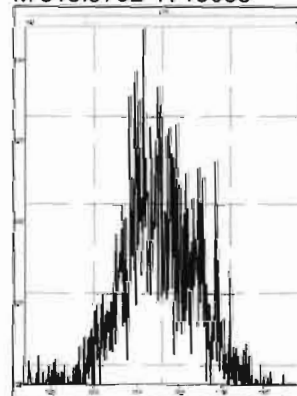
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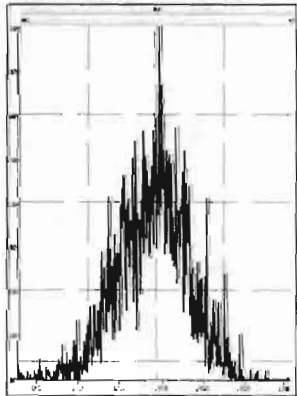
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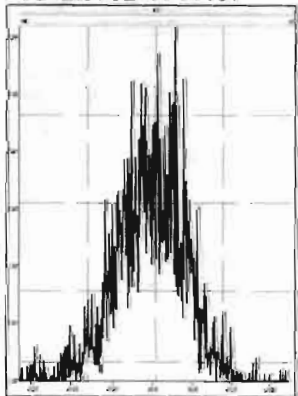
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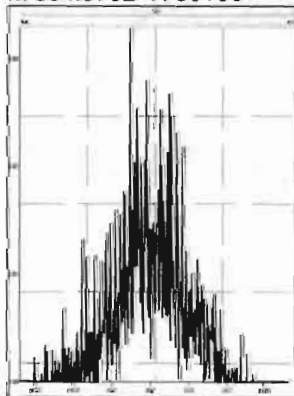
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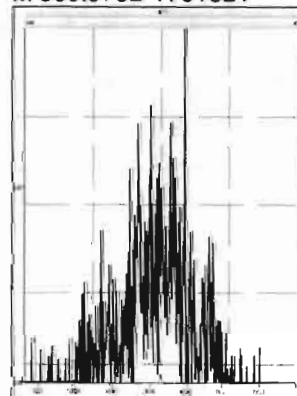
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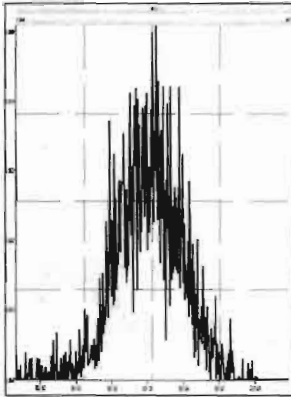
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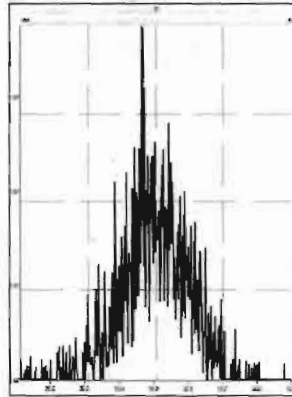
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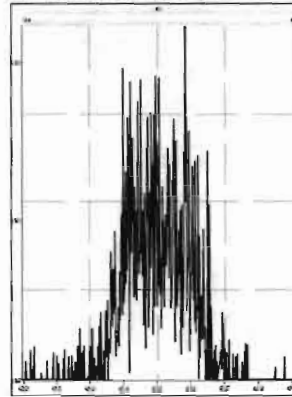
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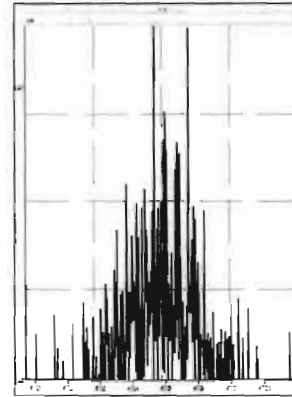
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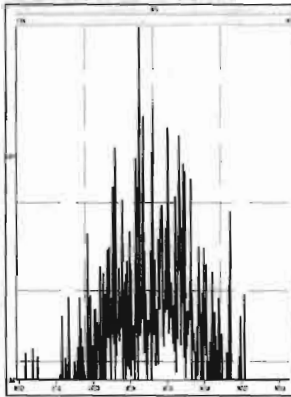
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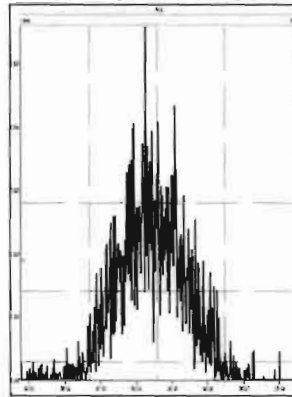
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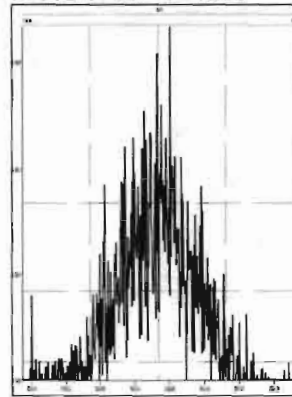
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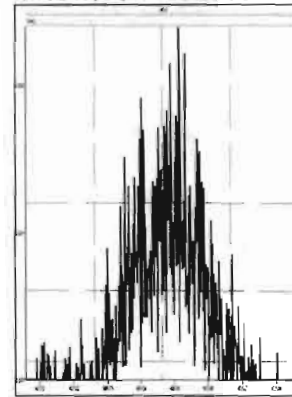
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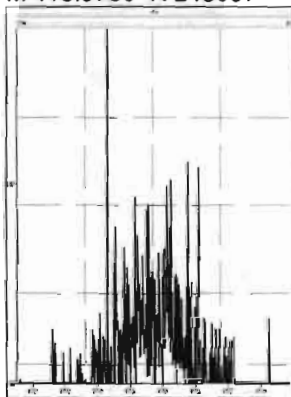
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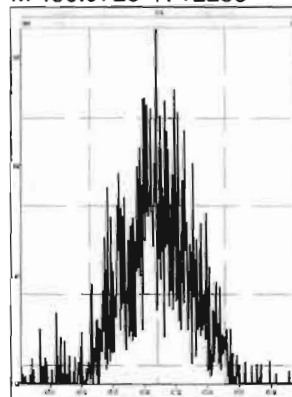
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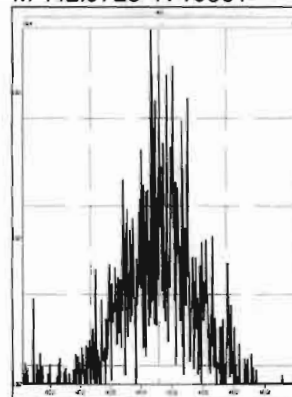
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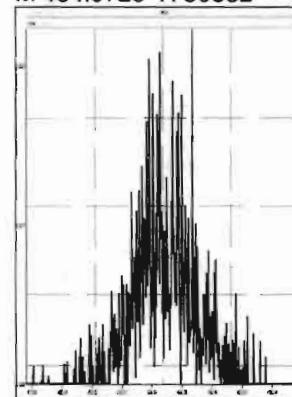
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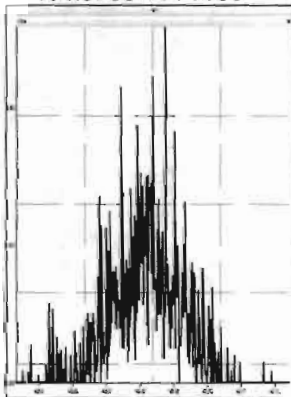
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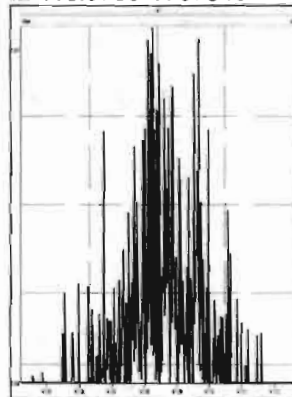
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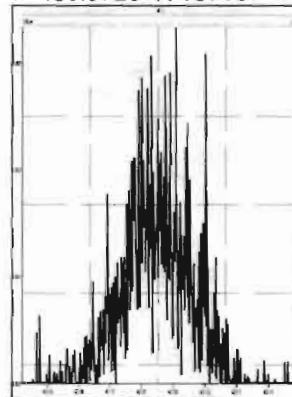
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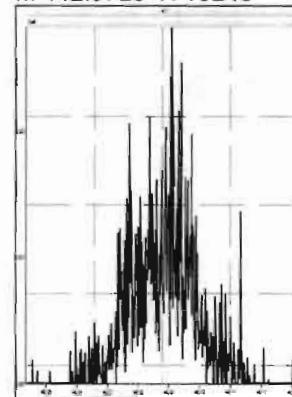
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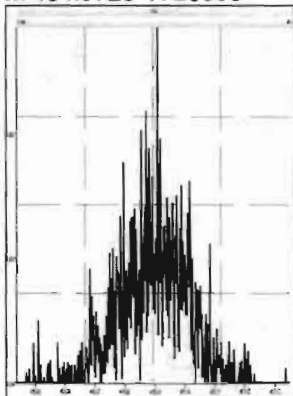
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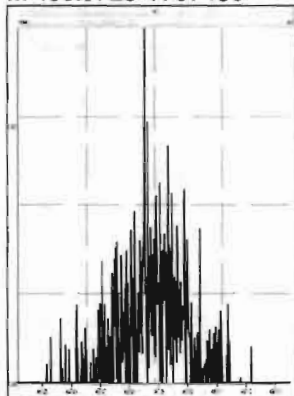
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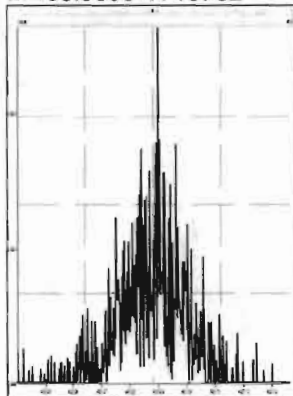
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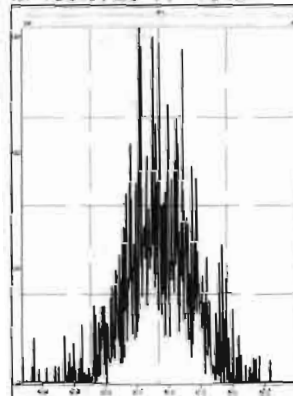
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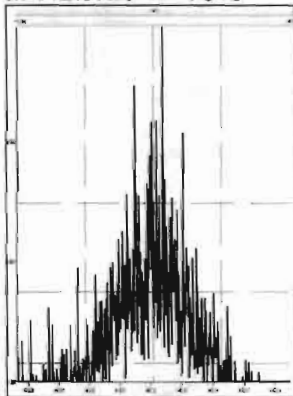
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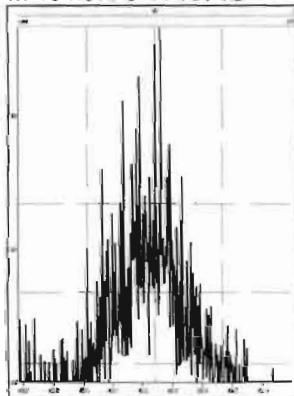
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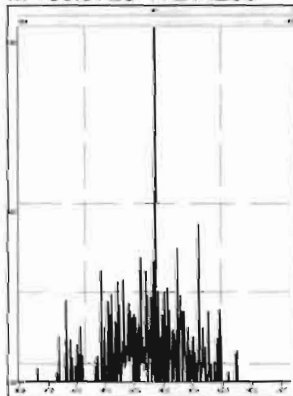
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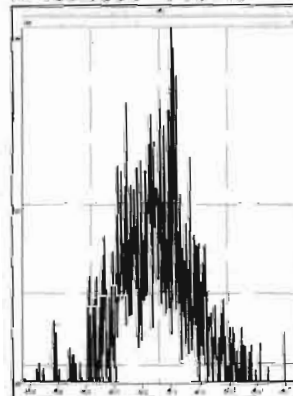
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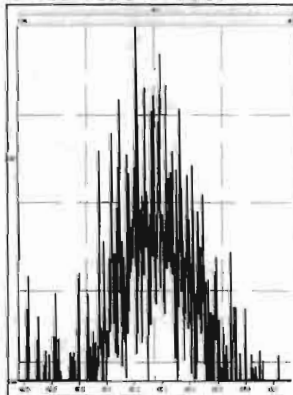
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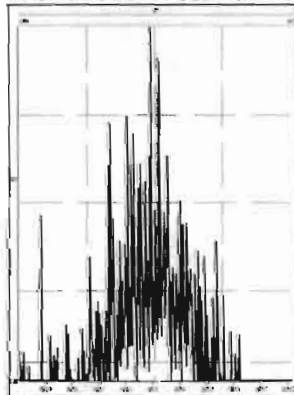
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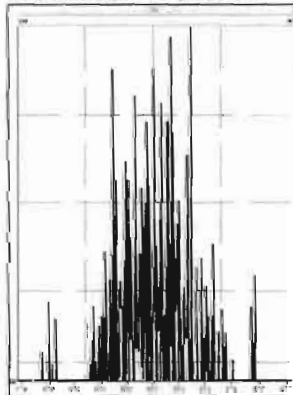
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M 504.9696 R 53215



M 516.9697 R 386904



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

Last Altered: Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 12:02:16 Pacific Daylight Time

DB 5/27/20 0705/27/20

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 27 Apr 2020 14:17:24
Calibration: U:\VG7.PRO\CurveDB\db-5_1613vg7-5-26-20.cdb 27 May 2020 11:50:24

Name: 200526D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	9.61e3	0.82	NO	0.986	1.000	26.189	26.17	1.001	1.001	10.643	106	0.0639	10.6
2	2 1,2,3,7,8-PeCDD	2.86e4	0.63	NO	0.964	1.000	30.630	30.63	1.001	1.001	46.774	93.5	0.0940	46.8
3	3 1,2,3,4,7,8-HxCDD	2.93e4	1.27	NO	1.16	1.000	33.938	33.95	1.000	1.001	46.907	93.8	0.177	46.9
4	4 1,2,3,6,7,8-HxCDD	3.12e4	1.29	NO	1.01	1.000	34.038	34.05	1.000	1.000	49.882	99.8	0.194	49.9
5	5 1,2,3,7,8,9-HxCDD	2.94e4	1.25	NO	1.01	1.000	34.368	34.34	1.001	1.000	47.481	95.0	0.207	47.5
6	6 1,2,3,4,6,7,8-HpCDD	2.32e4	1.06	NO	0.997	1.000	37.791	37.78	1.000	1.000	46.984	94.0	0.298	47.0
7	7 OCDD	4.45e4	0.88	NO	1.01	1.000	41.082	41.08	1.000	1.000	95.100	95.1	0.381	95.1
8	8 2,3,7,8-TCDF	1.21e4	0.75	NO	0.833	1.000	25.403	25.41	1.001	1.001	9.4425	94.4	0.0512	9.44
9	9 1,2,3,7,8-PeCDF	5.31e4	1.67	NO	0.965	1.000	29.462	29.46	1.001	1.001	47.411	94.8	0.119	47.4
10	10 2,3,4,7,8-PeCDF	6.02e4	1.60	NO	1.01	1.000	30.357	30.35	1.001	1.001	53.391	107	0.105	53.4
11	11 1,2,3,4,7,8-HxCDF	4.61e4	1.28	NO	1.09	1.000	33.039	33.05	1.000	1.000	48.113	96.2	0.186	48.1
12	12 1,2,3,6,7,8-HxCDF	4.75e4	1.28	NO	1.07	1.000	33.170	33.17	1.000	1.000	48.294	96.6	0.193	48.3
13	13 2,3,4,6,7,8-HxCDF	4.36e4	1.28	NO	1.15	1.000	33.786	33.77	1.001	1.001	46.073	92.1	0.194	46.1
14	14 1,2,3,7,8,9-HxCDF	3.60e4	1.30	NO	1.11	1.000	34.718	34.73	1.000	1.000	44.678	89.4	0.276	44.7
15	15 1,2,3,4,6,7,8-HpCDF	3.55e4	1.00	NO	1.16	1.000	36.620	36.59	1.001	1.000	47.071	94.1	0.321	47.1
16	16 1,2,3,4,7,8,9-HpCDF	3.10e4	1.02	NO	1.35	1.000	38.317	38.33	1.000	1.000	47.041	94.1	0.283	47.0
17	17 OCDF	5.28e4	0.90	NO	0.949	1.000	41.302	41.31	1.000	1.000	91.295	91.3	0.222	91.3
18	18 13C-2,3,7,8-TCDD	9.16e4	0.79	NO	1.26	1.000	26.273	26.16	1.026	1.021	101.93	102	0.287	
19	19 13C-1,2,3,7,8-PeCDD	6.34e4	0.61	NO	0.921	1.000	30.780	30.61	1.202	1.195	96.456	96.5	0.220	
20	20 13C-1,2,3,4,7,8-HxCDD	5.37e4	1.34	NO	0.707	1.000	33.913	33.93	1.014	1.014	94.462	94.5	0.355	
21	21 13C-1,2,3,6,7,8-HxCDD	6.21e4	1.38	NO	0.829	1.000	34.024	34.04	1.017	1.018	93.242	93.2	0.303	
22	22 13C-1,2,3,7,8,9-HxCDD	6.15e4	1.37	NO	0.808	1.000	34.295	34.33	1.025	1.027	94.700	94.7	0.311	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.96e4	1.02	NO	0.662	1.000	37.759	37.78	1.129	1.130	93.362	93.4	0.705	
24	24 13C-OCDD	9.24e4	0.88	NO	0.608	1.000	40.783	41.08	1.219	1.228	189.02	94.5	0.479	
25	25 13C-2,3,7,8-TCDF	1.53e5	0.78	NO	1.07	1.000	25.351	25.38	0.990	0.991	99.831	99.8	0.293	
26	26 13C-1,2,3,7,8-PeCDF	1.16e5	1.61	NO	0.826	1.000	29.594	29.44	1.156	1.150	97.891	97.9	0.264	
27	27 13C-2,3,4,7,8-PeCDF	1.12e5	1.74	NO	0.796	1.000	30.498	30.33	1.191	1.184	97.581	97.6	0.274	
28	28 13C-1,2,3,4,7,8-HxCDF	8.75e4	0.51	NO	1.08	1.000	33.044	33.04	0.988	0.988	101.31	101	0.458	
29	29 13C-1,2,3,6,7,8-HxCDF	9.23e4	0.49	NO	1.12	1.000	33.177	33.16	0.992	0.991	102.16	102	0.438	
30	30 13C-2,3,4,6,7,8-HxCDF	8.19e4	0.49	NO	1.02	1.000	33.749	33.75	1.009	1.009	99.493	99.5	0.480	
31	31 13C-1,2,3,7,8,9-HxCDF	7.22e4	0.51	NO	0.887	1.000	34.649	34.72	1.036	1.038	101.40	101	0.555	

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

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Printed: Wednesday, May 27, 2020 12:02:16 Pacific Daylight Time

Name: 200526D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	6.52e4	0.44	NO	0.811	1.000	36.355	36.58	1.087	1.094	100.14	100	0.525	
33	13C-1,2,3,4,7,8,9-HpCDF	4.88e4	0.43	NO	0.598	1.000	38.361	38.32	1.147	1.146	101.56	102	0.711	
34	13C-OCDF	1.22e5	0.88	NO	0.752	1.000	40.937	41.30	1.224	1.235	201.85	101	0.313	
35	37Cl-2,3,7,8-TCDD	9.10e3			1.24	1.000	26.270	26.17	1.026	1.022	10.258	103	0.0590	
36	13C-1,2,3,4-TCDD	7.13e4	0.84	NO	1.00	1.000	25.480	25.61	1.000	1.000	100.00	100	0.361	
37	13C-1,2,3,4-TCDF	1.44e5	0.81	NO	1.00	1.000	24.020	24.20	1.000	1.000	100.00	100	0.313	
38	13C-1,2,3,4,6,9-HxCDF	8.03e4	0.50	NO	1.00	1.000	33.530	33.44	1.000	1.000	100.00	100	0.492	

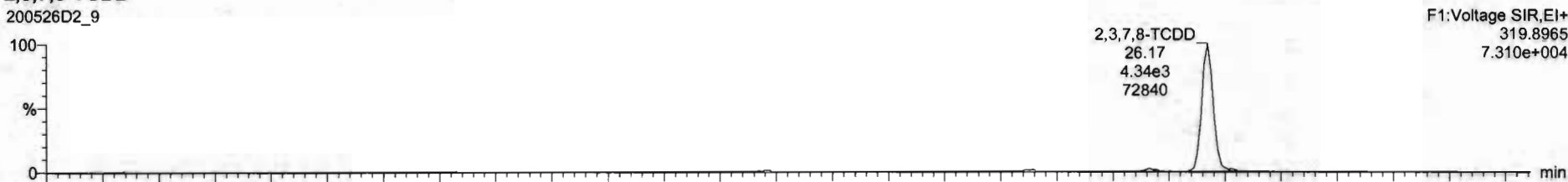
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Printed: Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time

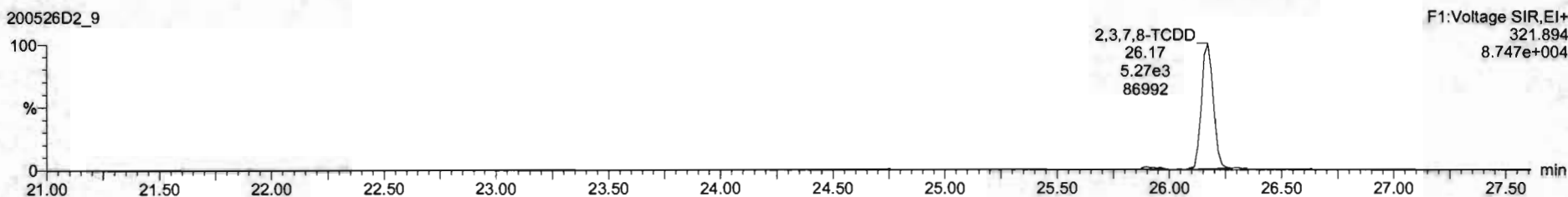
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Name: 200526D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710

2,3,7,8-TCDD
200526D2_9



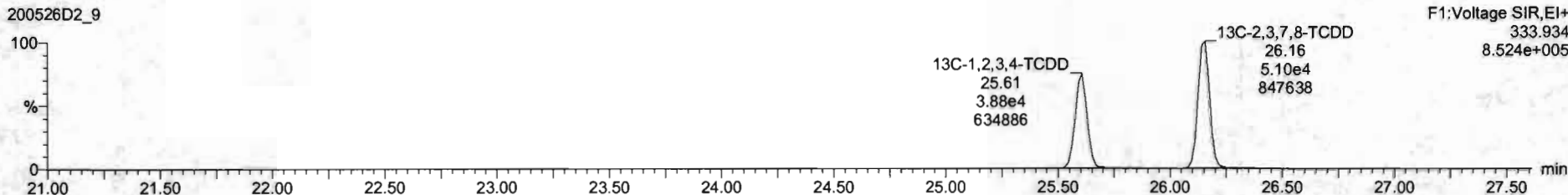
200526D2_9



13C-2,3,7,8-TCDD
200526D2_9



200526D2_9



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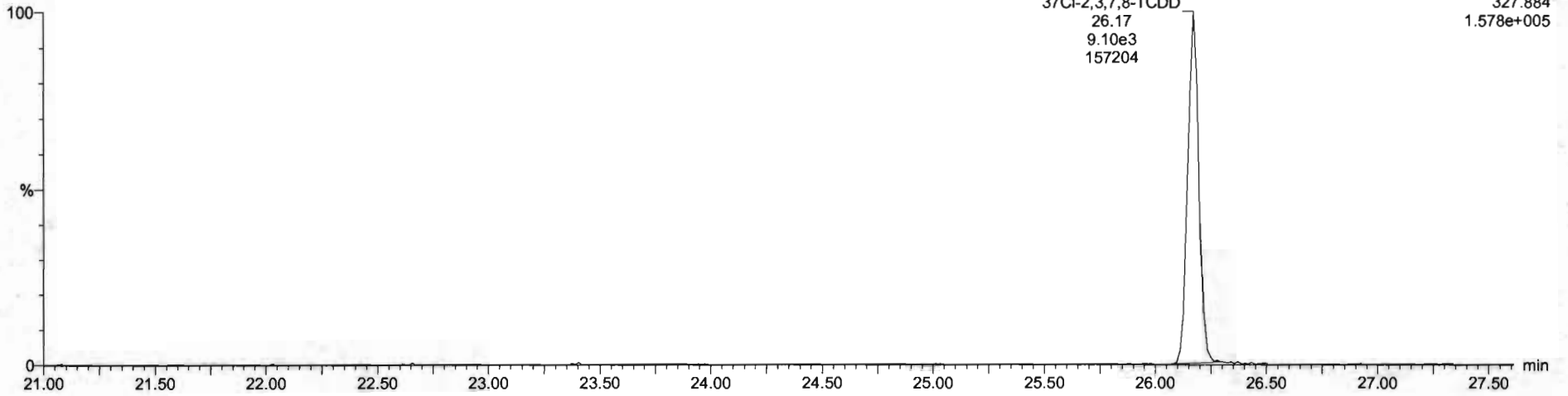
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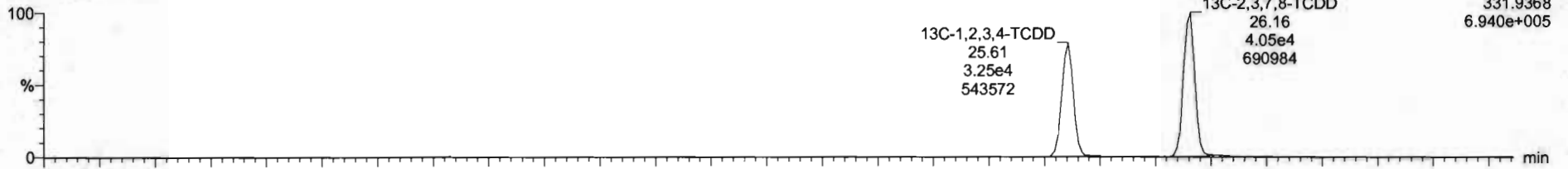
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200526D2_9

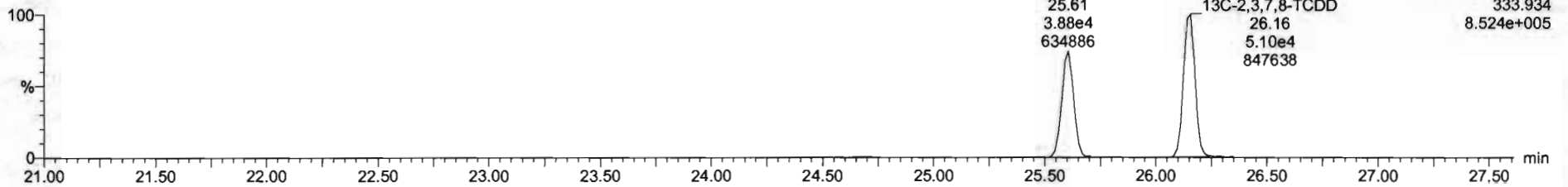


13C-1,2,3,4-TCDD

200526D2_9



200526D2_9



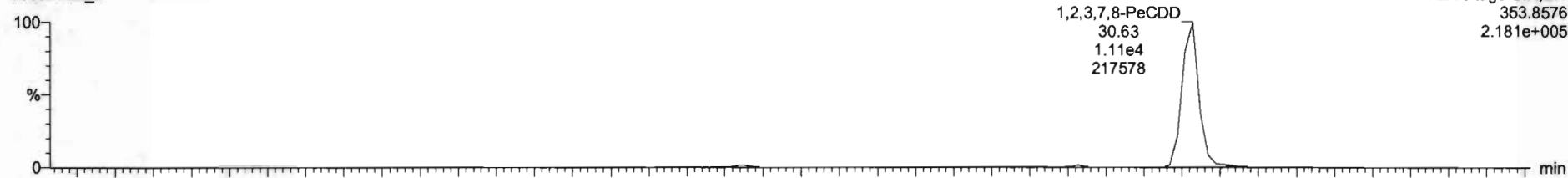
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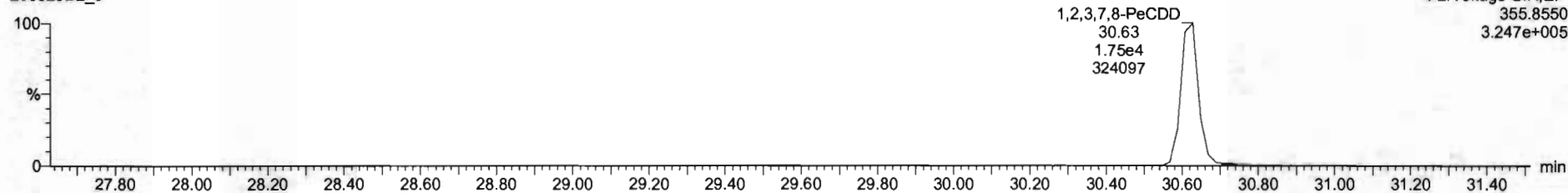
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1,2,3,7,8-PeCDD

200526D2_9

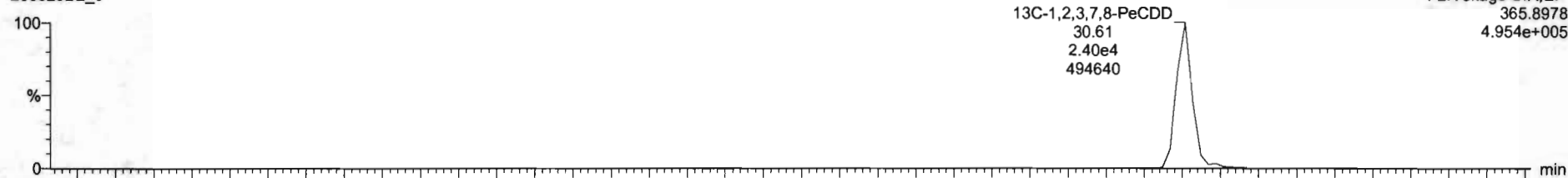


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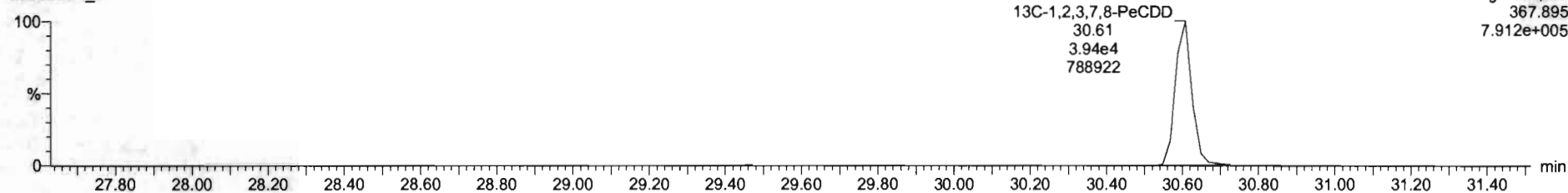


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200526D2_9



200526D2_9



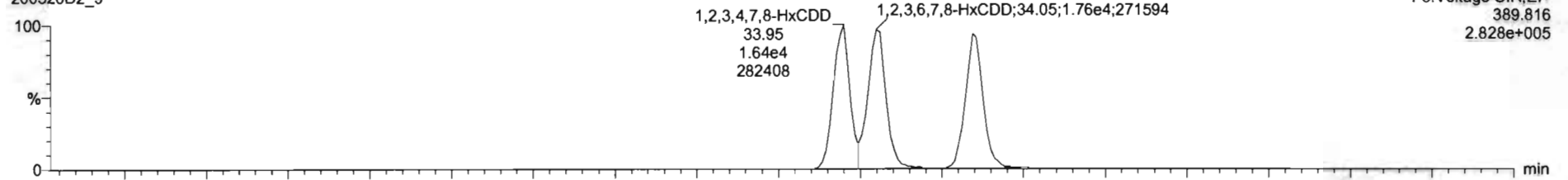
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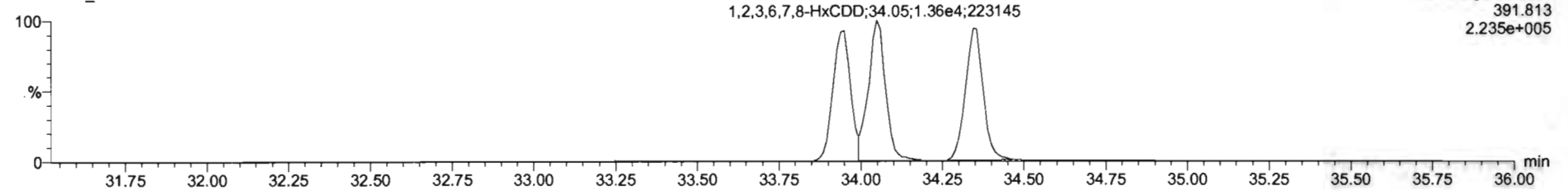
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1,2,3,4,7,8-HxCDD

200526D2_9

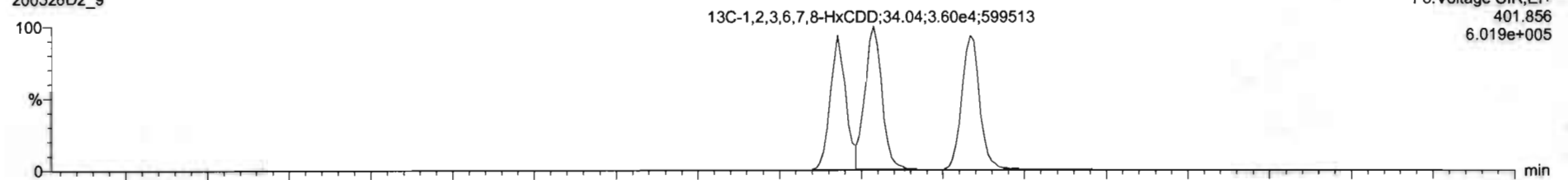


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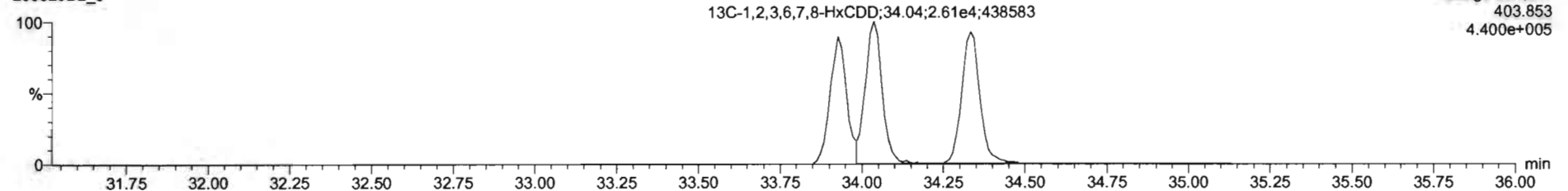


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200526D2_9



200526D2_9



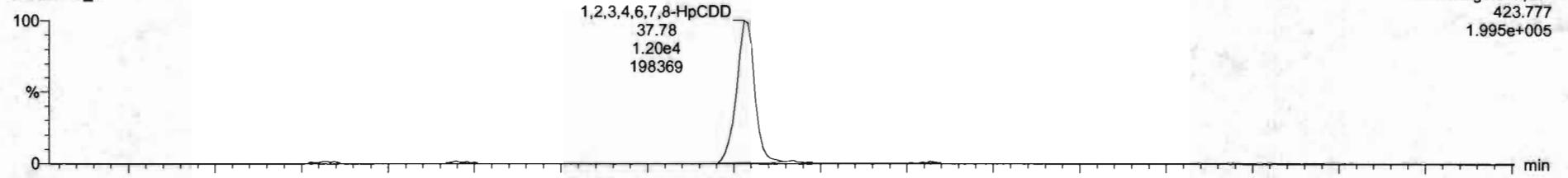
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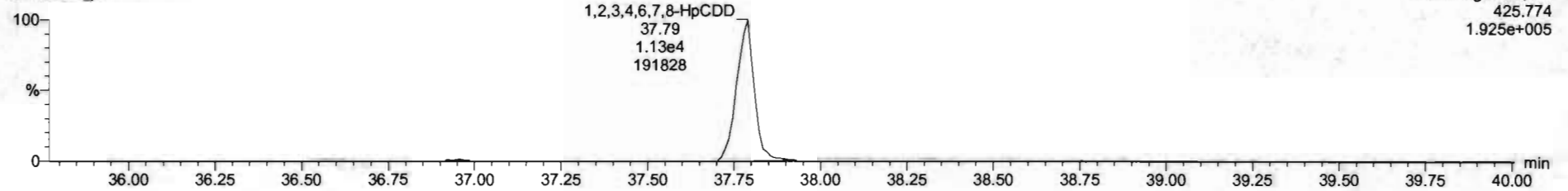
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1,2,3,4,6,7,8-HpCDD

200526D2_9

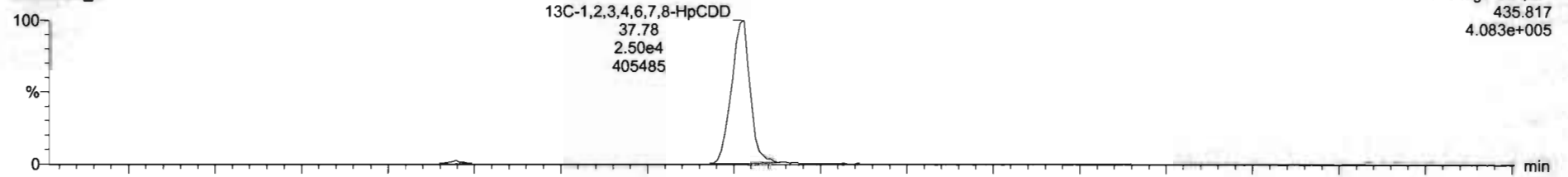


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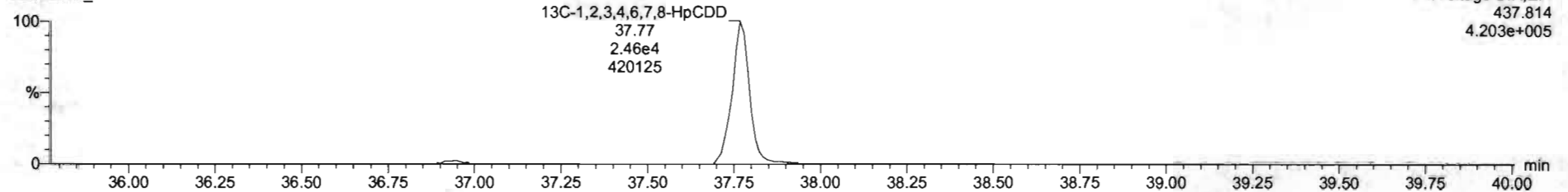


13C-1,2,3,4,6,7,8-HpCDD

200526D2_9



200526D2_9



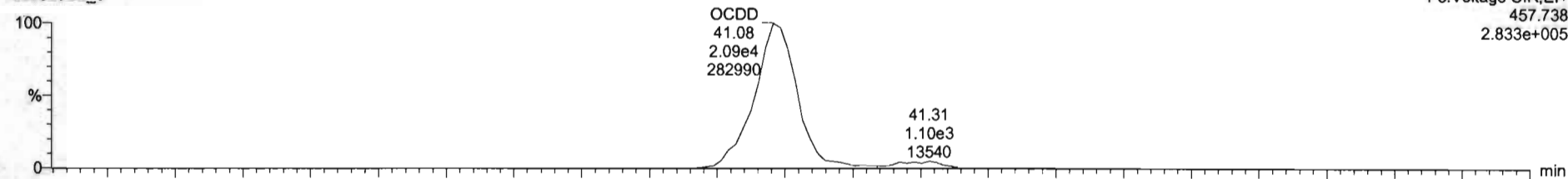
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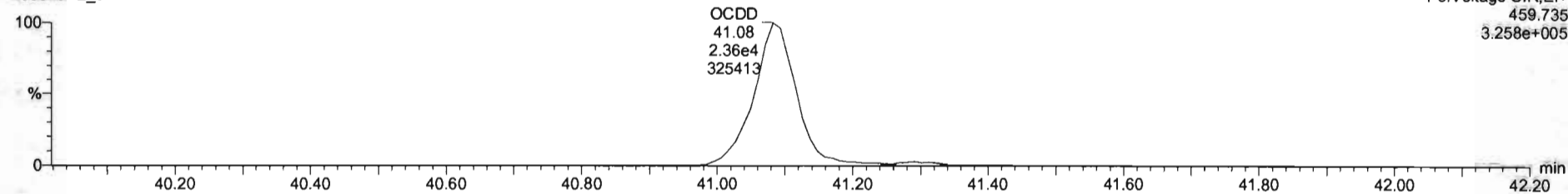
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OCDD

200526D2_9

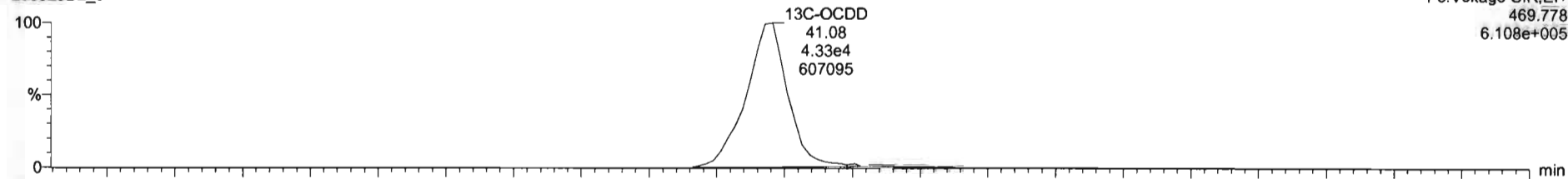


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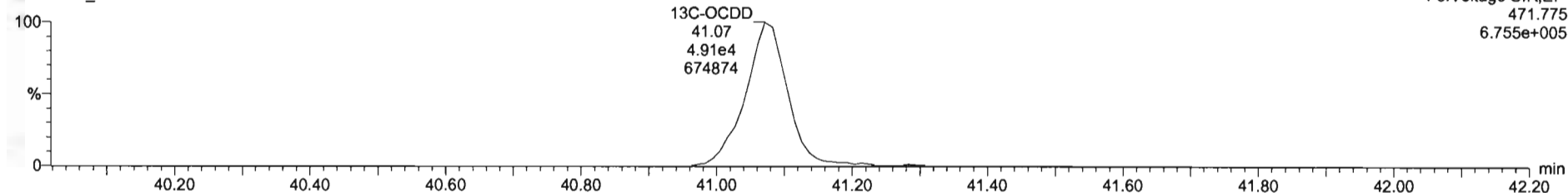


13C-OCDD

200526D2_9



200526D2_9



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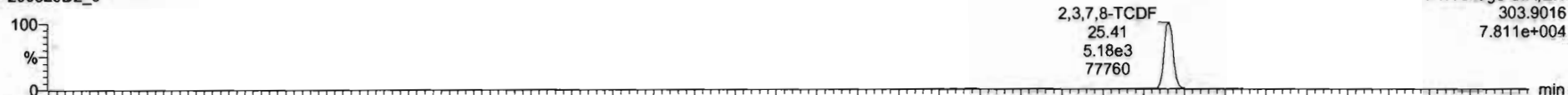
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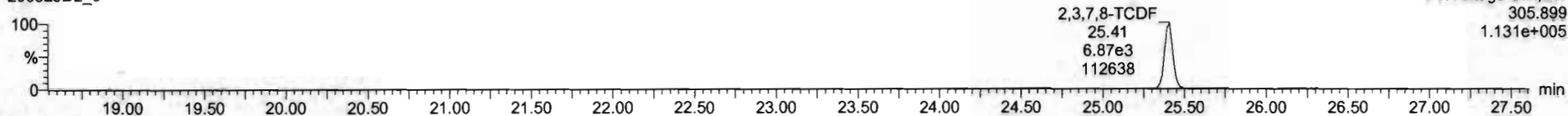
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2,3,7,8-TCDF

200526D2_9

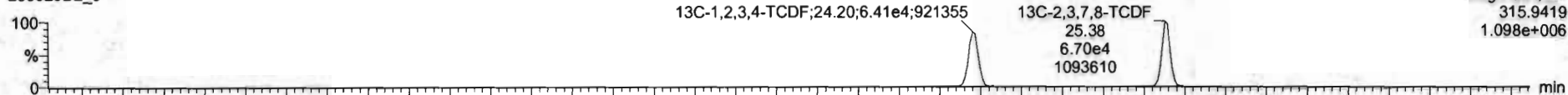


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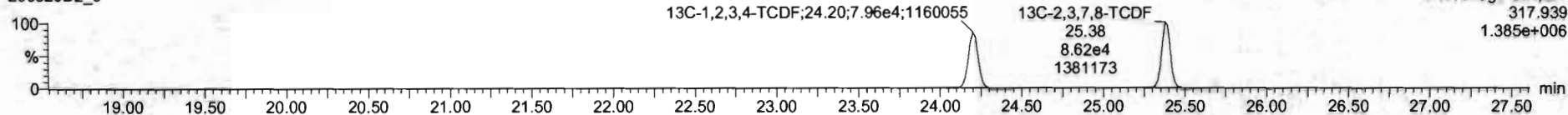


13C-2,3,7,8-TCDF

200526D2_9

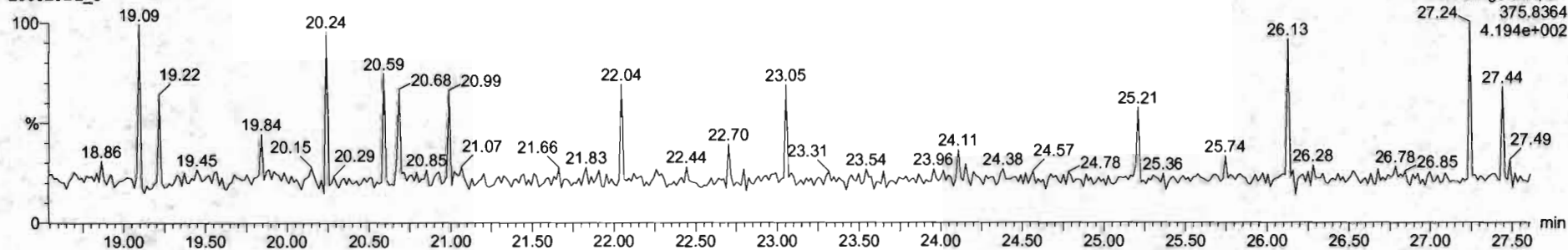


200526D2_9



DPE1

200526D2_9



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

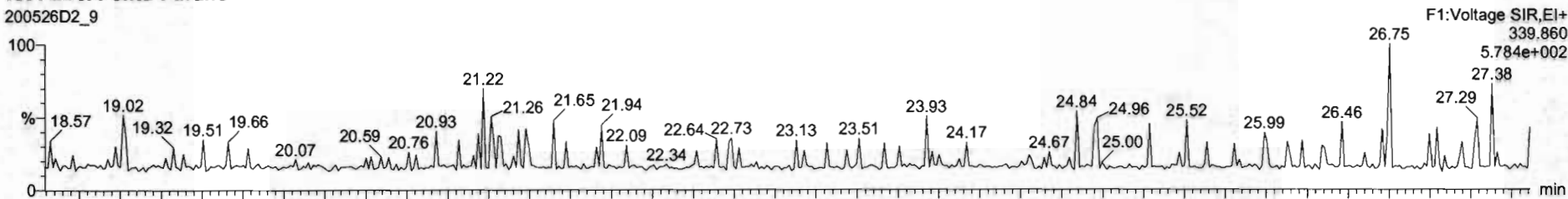
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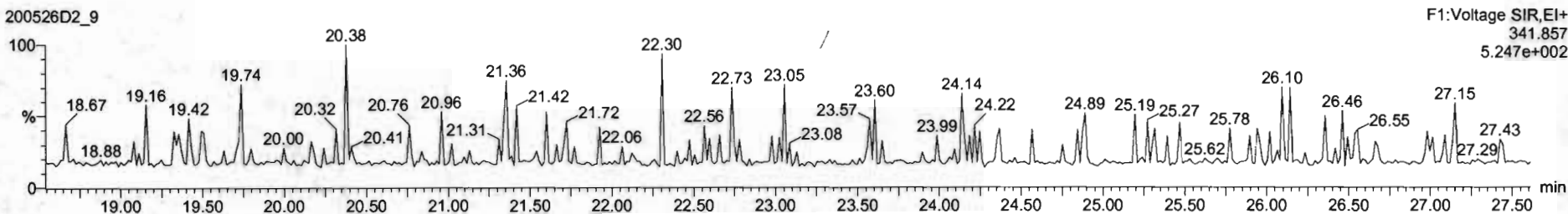
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1st Func. Penta-Furans

200526D2_9

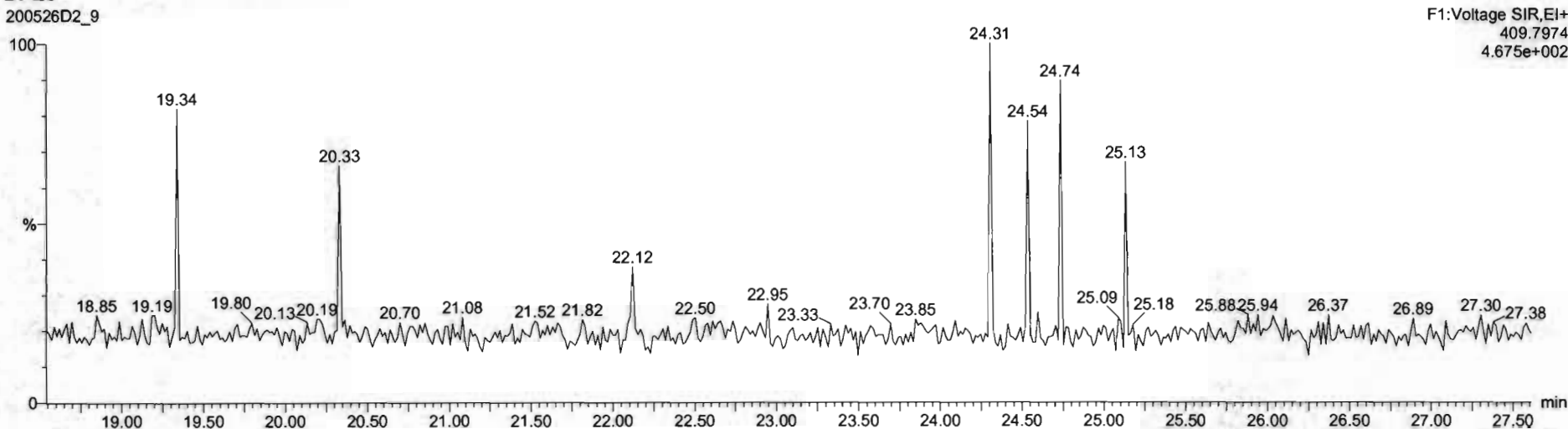


200526D2_9



DPE6

200526D2_9



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

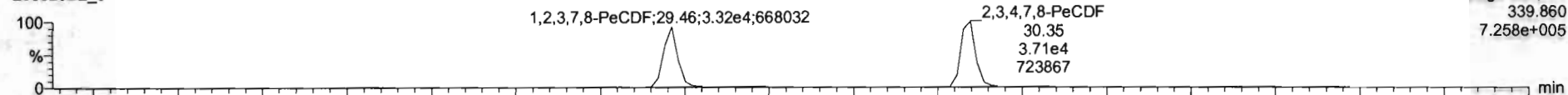
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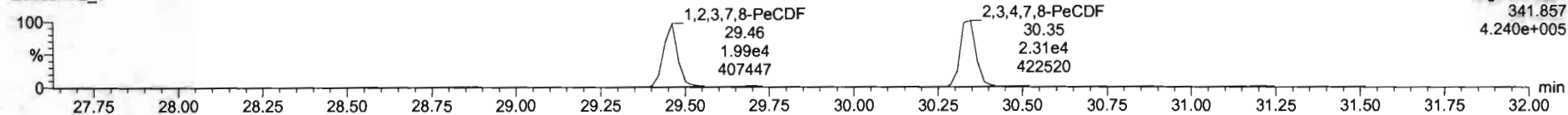
1,2,3,7,8-PeCDF

200526D2_9



F2:Voltage SIR,EI+
339.860
7.258e+005

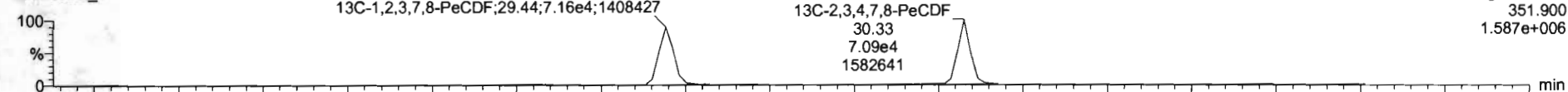
200526D2_9



F2:Voltage SIR,EI+
341.857
4.240e+005

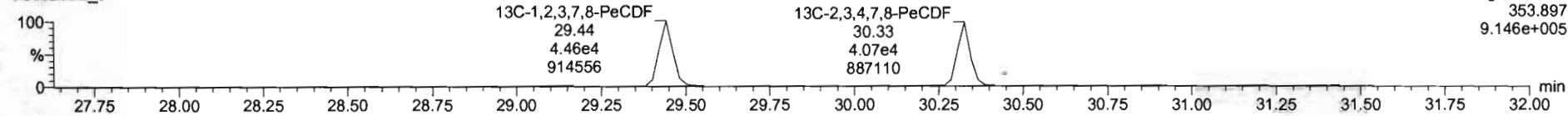
13C-1,2,3,7,8-PeCDF

200526D2_9



F2:Voltage SIR,EI+
351.900
1.587e+006

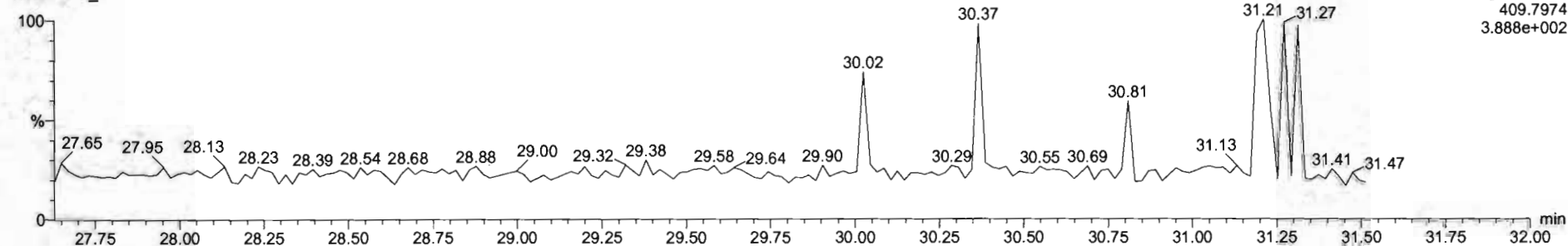
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353.897
9.146e+005

DPE2

200526D2_9



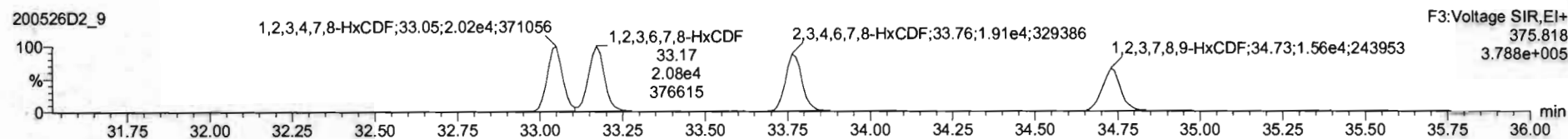
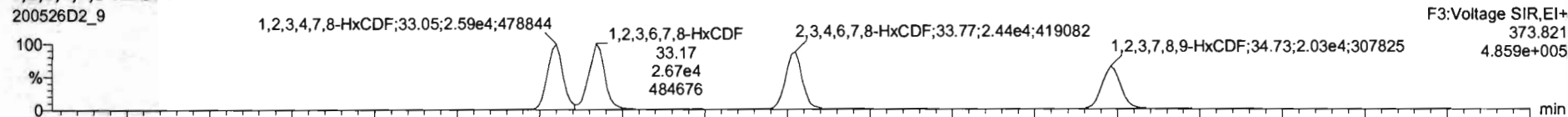
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409.7974
3.888e+002

Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

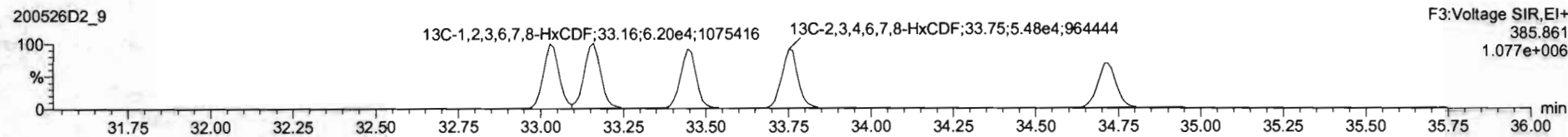
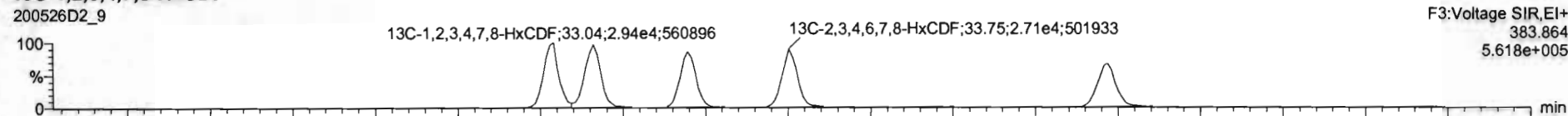
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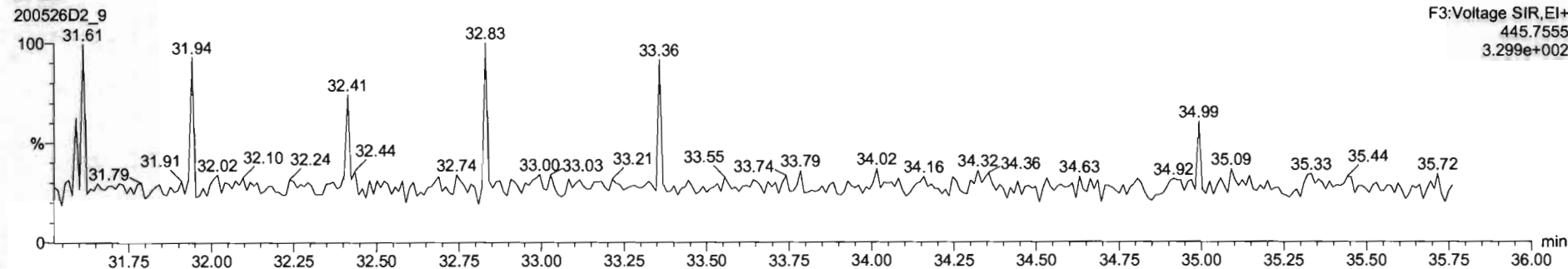
1,2,3,4,7,8-HxCDF



13C-1,2,3,4,7,8-HxCDF



DPE3



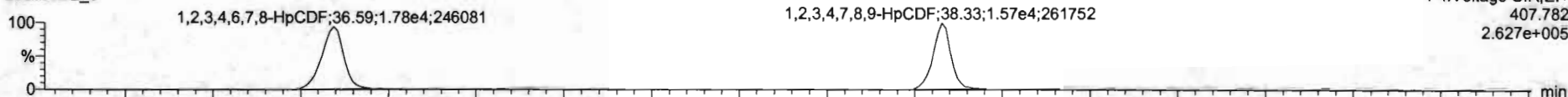
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Last Altered: Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time

Name: 200526D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710

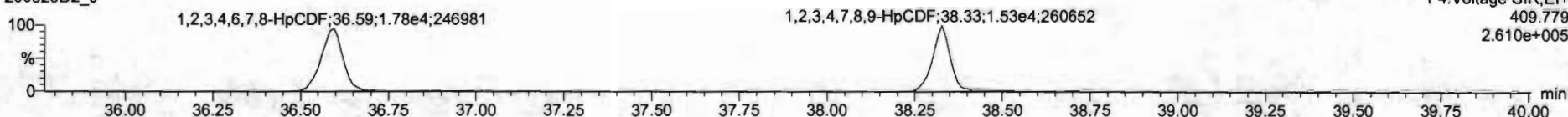
1,2,3,4,6,7,8-HpCDF

200526D2_9



F4:Voltage SIR,EI+
407.782
2.627e+005

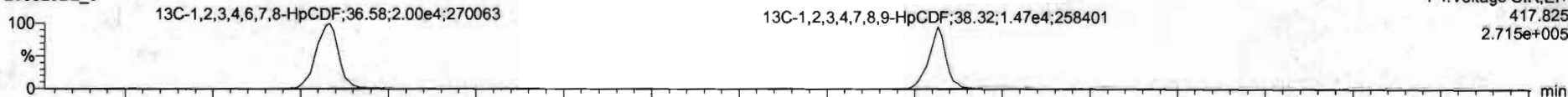
200526D2_9



F4:Voltage SIR,EI+
409.779
2.610e+005

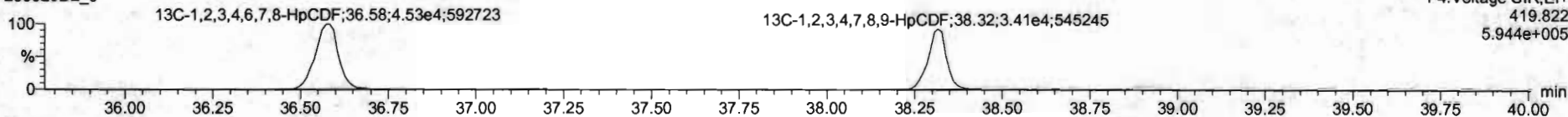
13C-1,2,3,4,6,7,8-HpCDF

200526D2_9



F4:Voltage SIR,EI+
417.825
2.715e+005

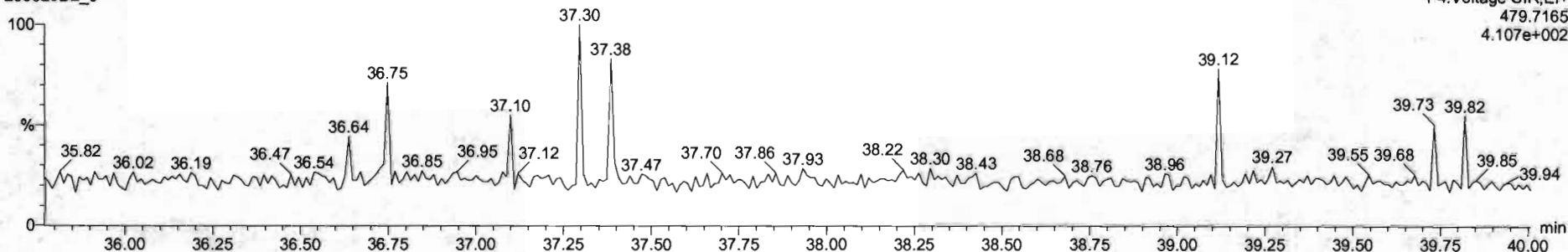
200526D2_9



F4:Voltage SIR,EI+
419.822
5.944e+005

DPE4

200526D2_9



F4:Voltage SIR,EI+
479.7165
4.107e+002

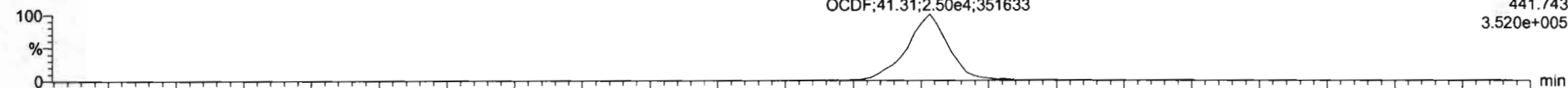
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Last Altered: Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time

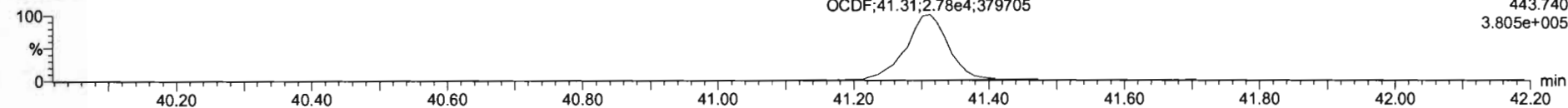
Name: 200526D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710

OCDF

200526D2_9

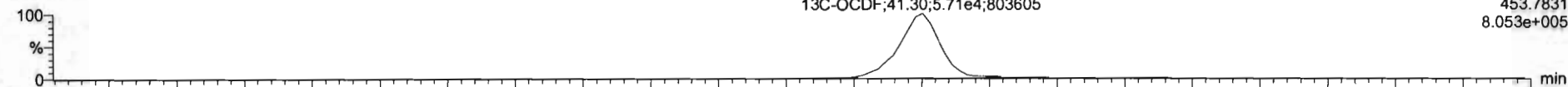


200526D2_9

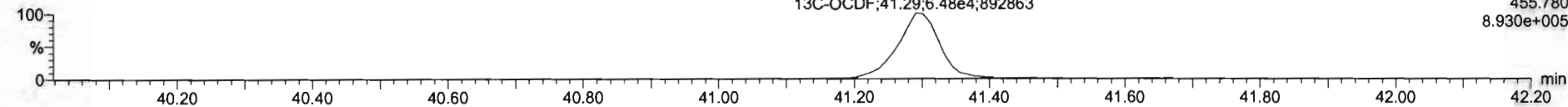


13C-OCDF

200526D2_9

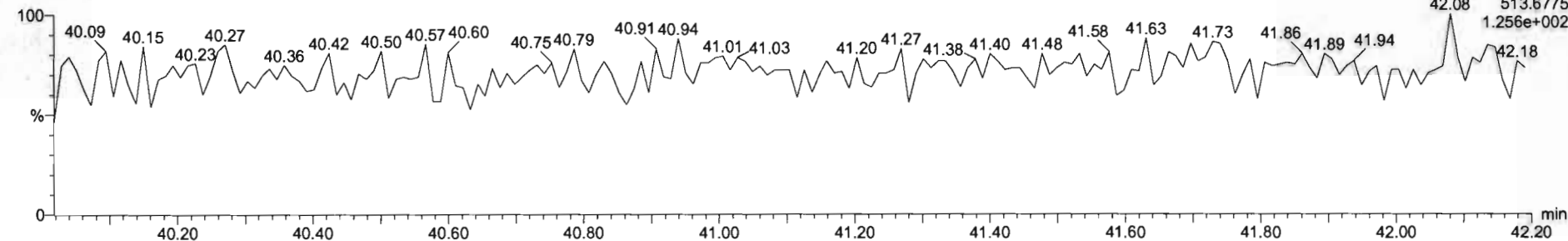


200526D2_9



DPE5

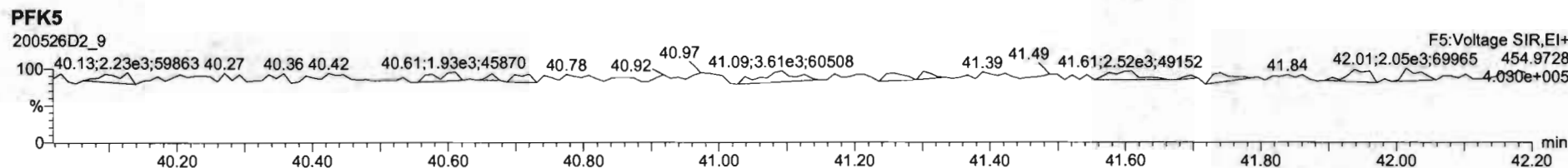
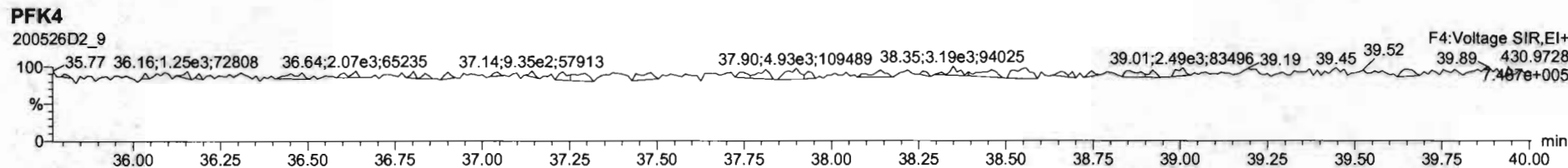
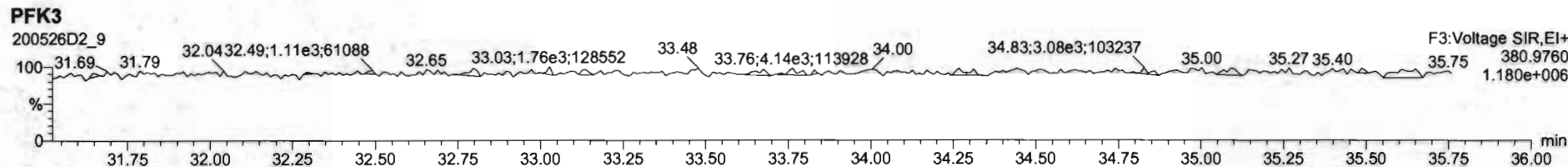
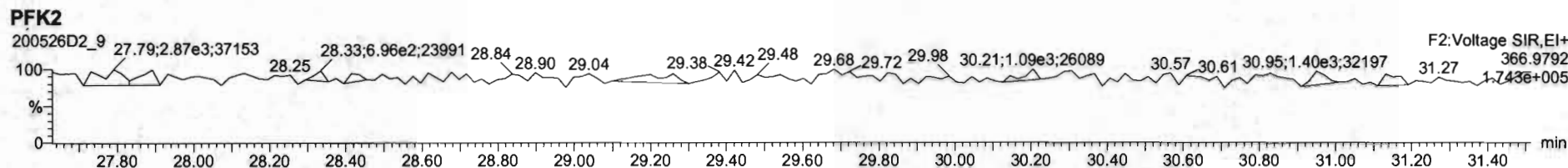
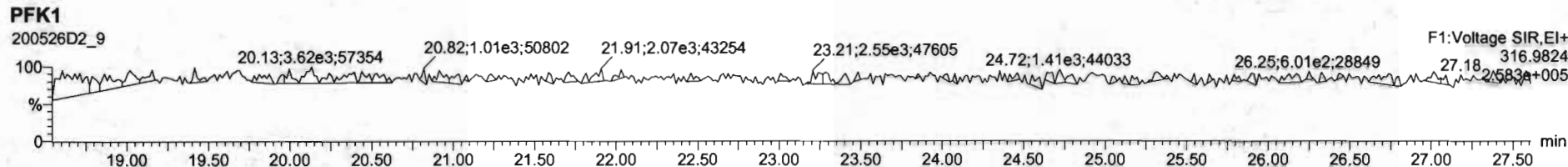
200526D2_9



Dataset: U:\VG7.PRO\Results\200526D2\200526D2_9.qld

Last Altered: Wednesday, May 27, 2020 12:01:08 Pacific Daylight Time
Printed: Wednesday, May 27, 2020 12:02:38 Pacific Daylight Time

Name: 200526D2_9, Date: 27-May-2020, Time: 02:13:37, ID: SS200526D2-1 1613 SSS 20E0710, Description: 1613 SSS 20E0710



Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:35:39 Pacific Standard Time

DB 2/12/20 01 02/12/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Compound name: 2,3,7,8-TCDF

Response Factor: 0.9819

RRF SD: 0.0791981, Relative SD: 8.06581

Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	0.250	0.86	NO	17.23	3.04e2	1.39e5	0.223	0.876
2	2 200211D2_4	0.500	0.66	NO	17.22	6.08e2	1.13e5	0.549	1.08
3	3 200211D2_5	2.00	0.73	NO	17.23	2.63e3	1.30e5	2.06	1.01
4	4 200211D2_6	10.0	0.75	NO	17.23	1.15e4	1.25e5	9.33	0.916
5	5 200211D2_7	40.0	0.74	NO	17.23	5.76e4	1.51e5	39.0	0.957
6	6 200211D2_8	300	0.73	NO	17.23	4.81e5	1.52e5	321	1.05

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.08271

RRF SD: 0.0939058, Relative SD: 8.67318

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.72	NO	17.20	1.39e5	1.13e5	113	1.23
2	2 200211D2_4	100	0.71	NO	17.20	1.13e5	1.14e5	91.7	0.993
3	3 200211D2_5	100	0.71	NO	17.20	1.30e5	1.34e5	89.3	0.967
4	4 200211D2_6	100	0.75	NO	17.20	1.25e5	1.15e5	101	1.09
5	5 200211D2_7	100	0.71	NO	17.20	1.51e5	1.35e5	103	1.11
6	6 200211D2_8	100	0.72	NO	17.20	1.52e5	1.38e5	102	1.11

Vista Analytical Laboratory VG-9

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:35:39 Pacific Standard Time

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 7.02167e-017, Relative SD: 7.02167e-015

Response type: Internal Std (Ref 3), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.70	NO	15.17	1.13e5	1.13e5	100	1.00
2	2 200211D2_4	100	0.71	NO	15.18	1.14e5	1.14e5	100	1.00
3	3 200211D2_5	100	0.74	NO	15.17	1.34e5	1.34e5	100	1.00
4	4 200211D2_6	100	0.72	NO	15.17	1.15e5	1.15e5	100	1.00
5	5 200211D2_7	100	0.73	NO	15.17	1.35e5	1.35e5	100	1.00
6	6 200211D2_8	100	0.73	NO	15.17	1.38e5	1.38e5	100	1.00

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1026.38

RRF SD: 123.841, Relative SD: 12.0658

Response type: External Std, Area

Curve type: RF

	# Name	Std. Conc	RA	n/y	RT	Resp	IS Resp	Conc.	RRF
1	1 200211D2_3	100	0.79	NO	15.78	1.04e5		102	1040
2	2 200211D2_4	100	0.77	NO	15.78	8.57e4		83.5	857
3	3 200211D2_5	100	0.79	NO	15.78	9.44e4		92.0	944
4	4 200211D2_6	100	0.79	NO	15.78	9.87e4		96.1	987
5	5 200211D2_7	100	0.78	NO	15.78	1.13e5		110	1130
6	6 200211D2_8	100	0.78	NO	15.78	1.20e5		116	1200

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Name: 200211D2_3, Date: 11-Feb-2020, Time: 21:00:36, ID: ST200211D2-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

	# Name	Resp	RA	n/y	RRF M...	w/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	3.04e2	0.86	NO	0.982	1.000	17.23	0.22305	89.2	0.0931
2	2 13C-2,3,7,8-TCDF	1.39e5	0.72	NO	1.08	1.000	17.20	113.42	113	0.342
3	3 13C-1,2,3,4-TCDF	1.13e5	0.70	NO	1.00	1.000	15.17	100.00	100	0.371
4	4 13C-1,2,3,4-TCDD	1.04e5	0.79	NO	1030	1.000	15.78	101.65	102	0.291

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_4, Date: 11-Feb-2020, Time: 21:32:19, ID: ST200211D2-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	6.08e2	0.66	NO	0.982	1.000	17.22	0.54947	110	0.147
2	2 13C-2,3,7,8-TCDF	1.13e5	0.71	NO	1.08	1.000	17.20	91.711	91.7	0.381
3	3 13C-1,2,3,4-TCDF	1.14e5	0.71	NO	1.00	1.000	15.18	100.00	100	0.412
4	4 13C-1,2,3,4-TCDD	8.57e4	0.77	NO	1030	1.000	15.78	83.528	83.5	0.324

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_5, Date: 11-Feb-2020, Time: 22:04:03, ID: ST200211D2-3 1613 CS2 19L2304, Description: 1613 CS2 19L2304

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	2.63e3	0.73	NO	0.982	1.000	17.23	2.0631	103	0.121
2	2 13C-2,3,7,8-TCDF	1.30e5	0.71	NO	1.08	1.000	17.20	89.279	89.3	0.292
3	3 13C-1,2,3,4-TCDF	1.34e5	0.74	NO	1.00	1.000	15.17	100.00	100	0.316
4	4 13C-1,2,3,4-TCDD	9.44e4	0.79	NO	1030	1.000	15.78	92.007	92.0	0.336

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_6, Date: 11-Feb-2020, Time: 22:35:45, ID: ST200211D2-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	1.15e4	0.75	NO	0.982	1.000	17.23	9.3257	93.3	0.185
2	2 13C-2,3,7,8-TCDF	1.25e5	0.75	NO	1.08	1.000	17.20	100.76	101	0.364
3	3 13C-1,2,3,4-TCDF	1.15e5	0.72	NO	1.00	1.000	15.17	100.00	100	0.394
4	4 13C-1,2,3,4-TCDD	9.87e4	0.79	NO	1030	1.000	15.78	96.149	96.1	0.331

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_7, Date: 11-Feb-2020, Time: 23:07:28, ID: ST200211D2-5 1613 CS4 19L2306, Description: 1613 CS4 19L2306

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	5.76e4	0.74	NO	0.982	1.000	17.23	38.981	97.5	0.158
2	2 13C-2,3,7,8-TCDF	1.51e5	0.71	NO	1.08	1.000	17.20	102.61	103	0.300
3	3 13C-1,2,3,4-TCDF	1.35e5	0.73	NO	1.00	1.000	15.17	100.00	100	0.325
4	4 13C-1,2,3,4-TCDD	1.13e5	0.78	NO	1030	1.000	15.78	110.19	110	0.311

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:38:05 Pacific Standard Time

Name: 200211D2_8, Date: 11-Feb-2020, Time: 23:39:11, ID: ST200211D2-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

	# Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	1 2,3,7,8-TCDF	4.81e5	0.73	NO	0.982	1.000	17.23	321.06	107	0.243
2	2 13C-2,3,7,8-TCDF	1.52e5	0.72	NO	1.08	1.000	17.20	102.22	102	0.295
3	3 13C-1,2,3,4-TCDF	1.38e5	0.73	NO	1.00	1.000	15.17	100.00	100	0.319
4	4 13C-1,2,3,4-TCDD	1.20e5	0.78	NO	1030	1.000	15.78	116.47	116	0.322

Dataset: Untitled

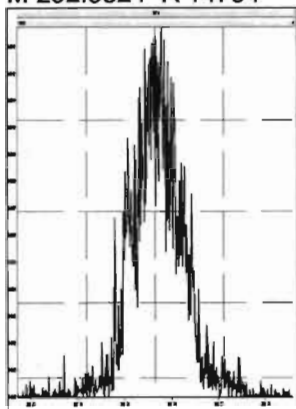
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Printed: Wednesday, February 12, 2020 10:45:35 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Callbration: C:\MassLynx\Default.PRO\CurveDB\db-225_m23tcdfvg7-2-11-20.cdb 11 Feb 2020 14:52:18

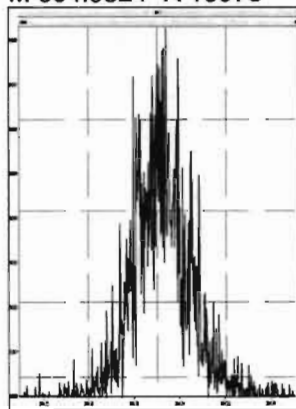
Compound name: 2,3,7,8-TCDF

	Name	ID	Acq.Date	Acq.Time
1	200211D2_1	SOLVENT BLANK	11-Feb-20	19:58:43
2	200211D2_2	CP200211D2-1 DB-225 CPSM	11-Feb-20	20:28:53
3	200211D2_3	ST200211D2-1 1613 CS0 19L2302	11-Feb-20	21:00:36
4	200211D2_4	ST200211D2-2 1613 CS1 19L2303	11-Feb-20	21:32:19
5	200211D2_5	ST200211D2-3 1613 CS2 19L2304	11-Feb-20	22:04:03
6	200211D2_6	ST200211D2-4 1613 CS3 19L2305	11-Feb-20	22:35:45
7	200211D2_7	ST200211D2-5 1613 CS4 19L2306	11-Feb-20	23:07:28
8	200211D2_8	ST200211D2-6 1613 CS5 19L2307	11-Feb-20	23:39:11
9	200211D2_9	SOLVENT BLANK	12-Feb-20	00:10:54
10	200211D2_10	SS200211D2-1 1613 SSS 19L2308	12-Feb-20	00:42:33
11	200211D2_11	SOLVENT BLANK	12-Feb-20	01:14:15
12	200211D2_12	1903740-08RE1 PDI-097SC-B-06-08-191017 ...	12-Feb-20	01:45:58
13	200211D2_13	1903740-07RE1 PDI-097SC-B-04-06-191017 ...	12-Feb-20	02:17:39
14	200211D2_14	1903740-06RE1 PDI-097SC-B-02-04-191017 ...	12-Feb-20	02:49:21
15	200211D2_15	1903740-01RE1 PDI-031SC-B-00-02-191017 ...	12-Feb-20	03:21:03
16	200211D2_16	1903740-05RE1 PDI-097SC-B-00-02-191017 ...	12-Feb-20	03:52:45

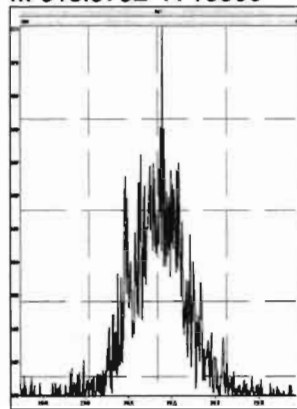
M 292.9824 R 14754



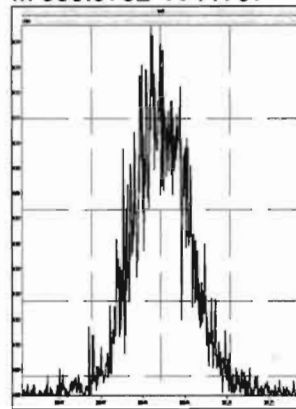
M 304.9824 R 15978



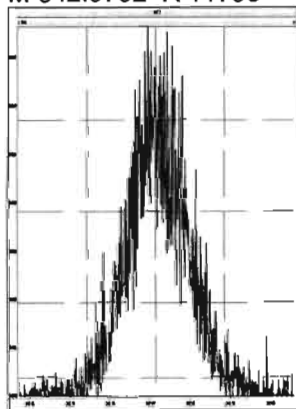
M 318.9792 R 15503



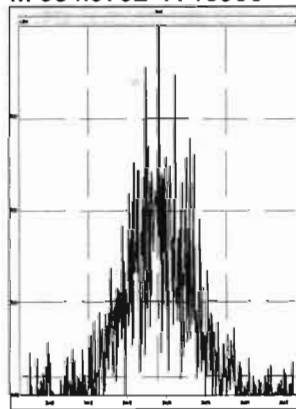
M 330.9792 R 11737



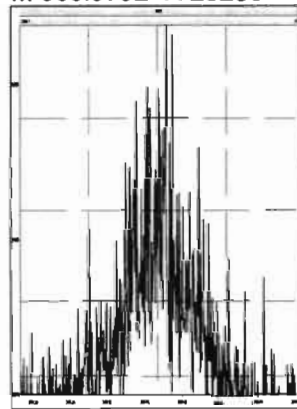
M 342.9792 R 11796



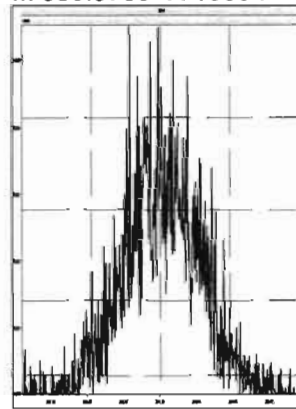
M 354.9792 R 15966

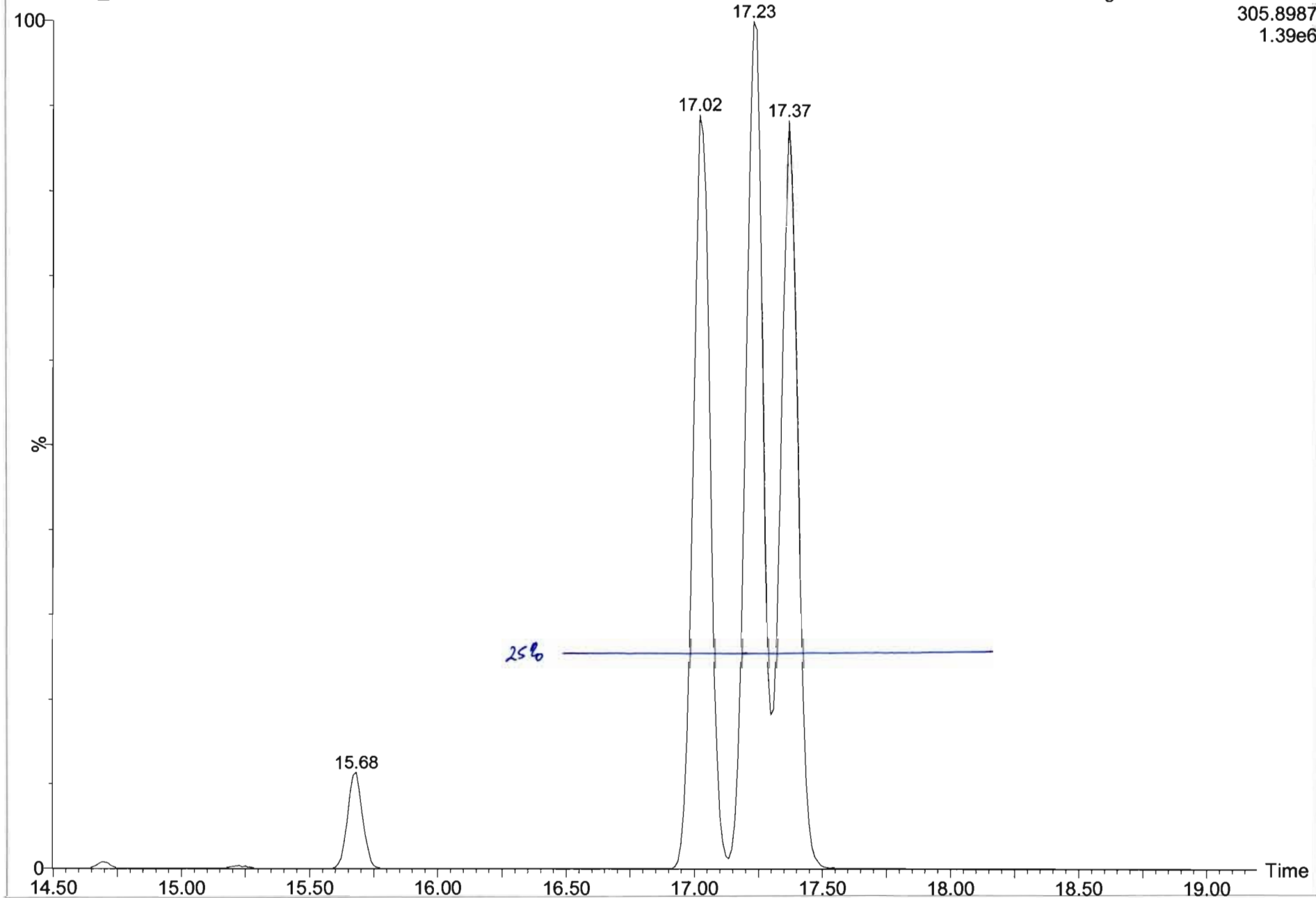


M 366.9792 R 28256



M 380.9760 R 13094





Dataset: U:\VG7.PRO\Results\200211D2\200111D2_2.qld

Last Altered: Wednesday, February 12, 2020 10:13:49 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:15:34 Pacific Standard Time

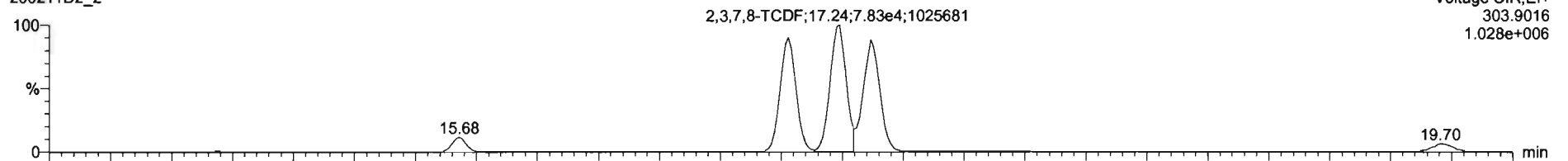
Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24

Calibration: C:\MassLynx\Default.PRO\CurveDB\db-225_m23tcdfvg7-2-11-20.cdb 11 Feb 2020 14:52:18

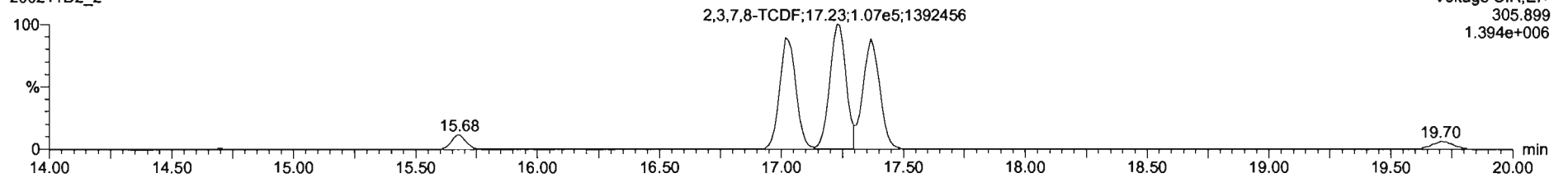
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2,3,7,8-TCDF

200211D2_2

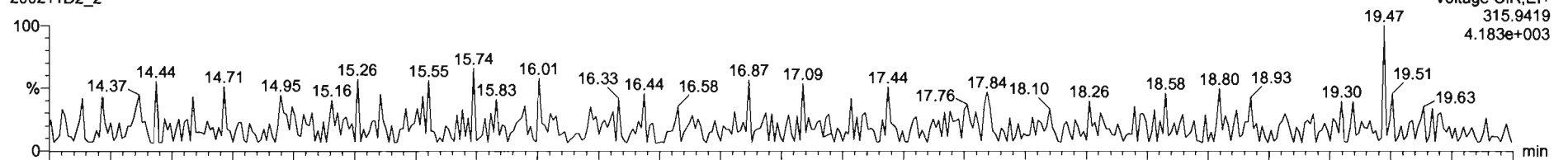


200211D2_2

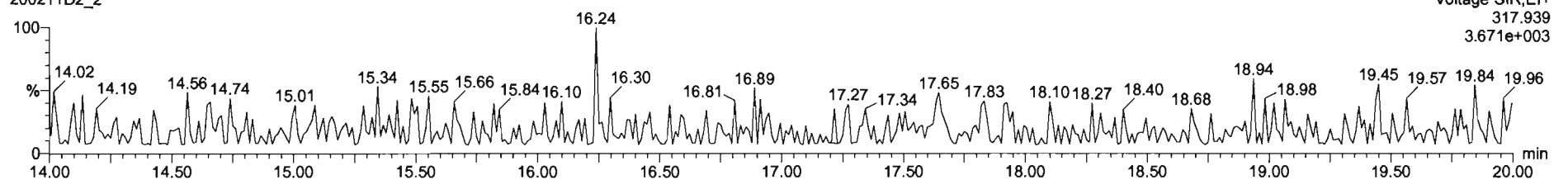


13C-2,3,7,8-TCDF

200211D2_2



200211D2_2

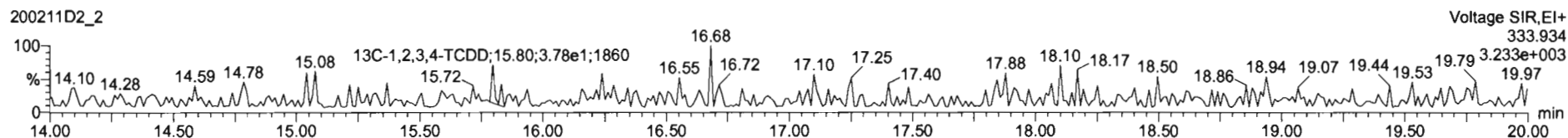
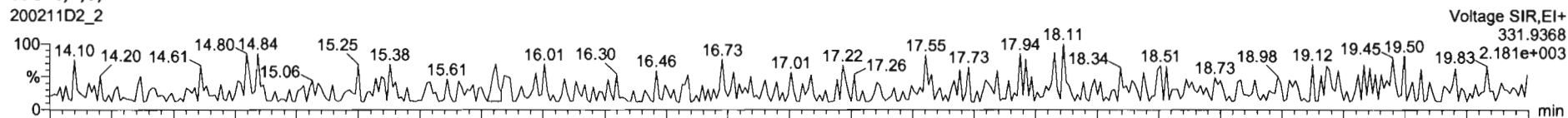


Dataset: U:\VG7.PRO\Results\200211D2\200111D2_2.qld

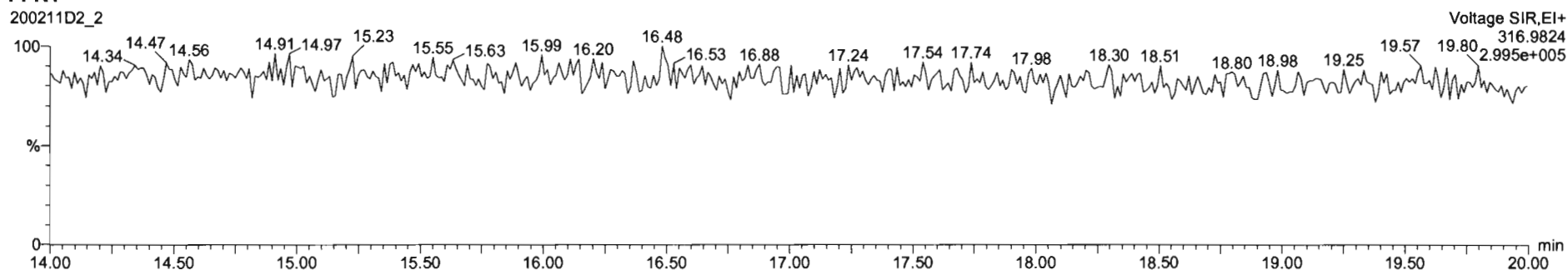
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Printed: Wednesday, February 12, 2020 10:15:34 Pacific Standard Time

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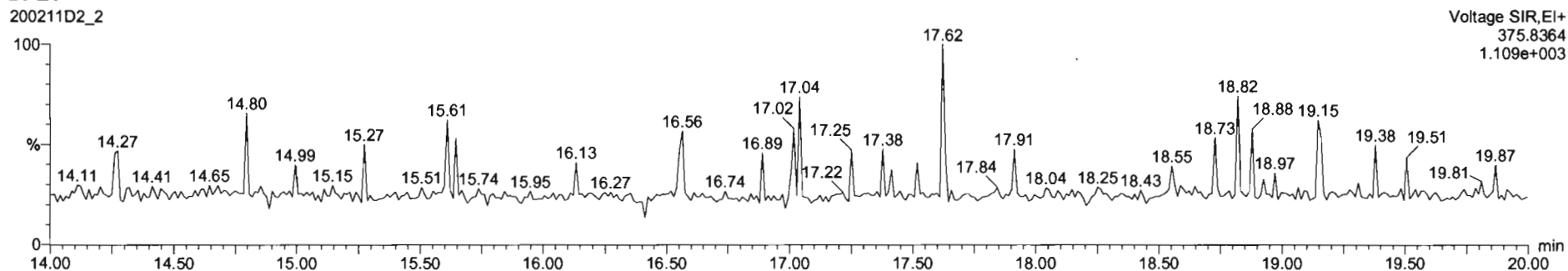
13C-1,2,3,4-TCDD



PFK1



DPE1



Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

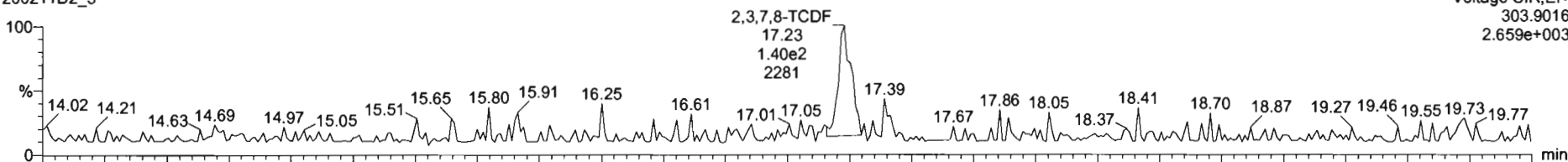
Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvfg7-2-11-20.cdb 12 Feb 2020 10:17:56

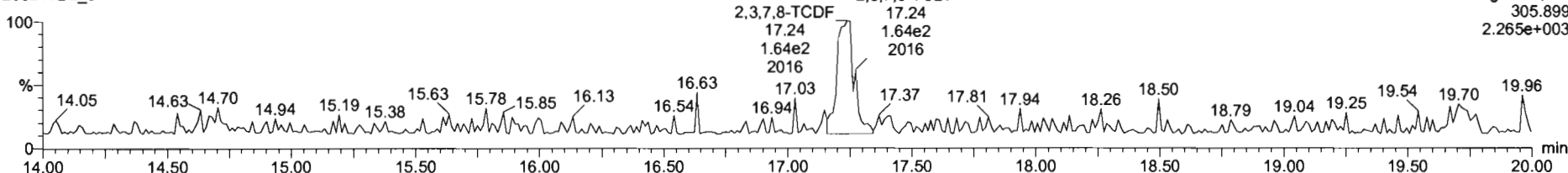
Name: 200211D2_3, Date: 11-Feb-2020, Time: 21:00:36, ID: ST200211D2-1 1613 CS0 19L2302, Description: 1613 CS0 19L2302

2,3,7,8-TCDF

200211D2_3

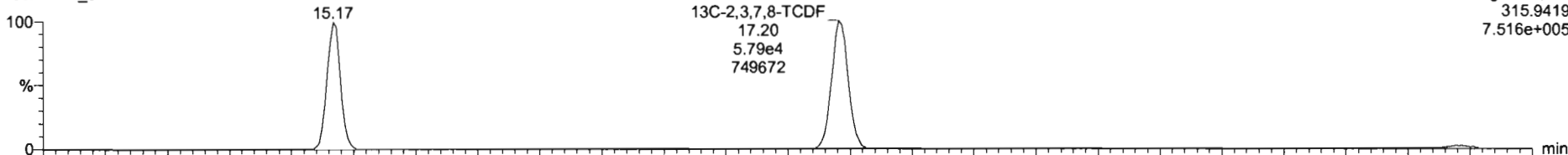


200211D2_3

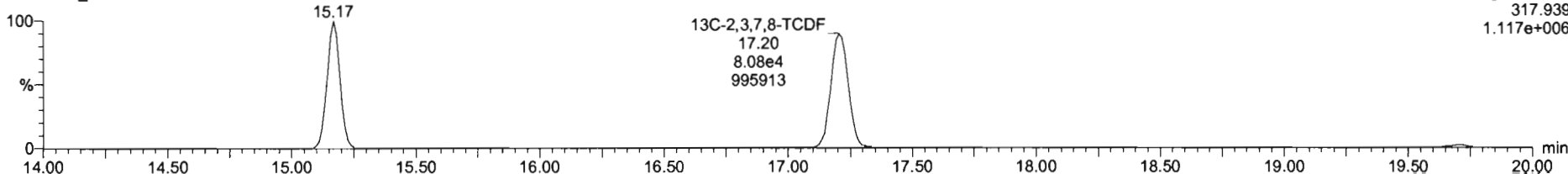


13C-2,3,7,8-TCDF

200211D2_3



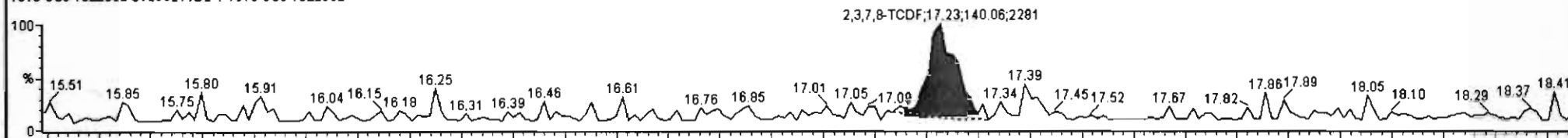
200211D2_3



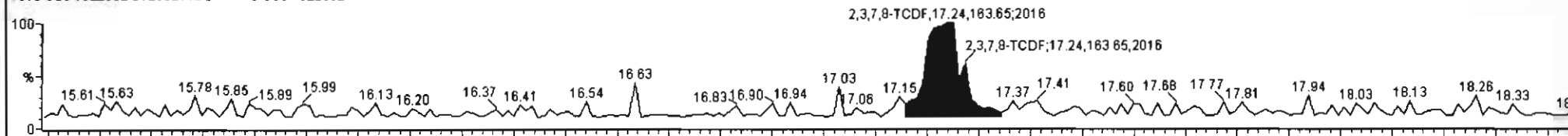
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDF	3.04e2	0.86	NO	0.98	1.000	17.23	1.001	0.223	89.2	0.0831	0.223
2 13C-2,3,7,8-TCDF	1.39e5	0.72	NO	1.08	1.000	17.20	1.134	113	113	0.342	
3 13C-1,2,3,4-TCDF	1.13e5	0.70	NO	1.00	1.000	15.17	1.000	100	100	0.371	
4 13C-1,2,3,4-TCDF	1.04e5	0.79	NO	1026.38	1.000	15.78	0.000	102	102	0.291	
5 PFOS					1.000						
6 DPE1					1.000						

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							

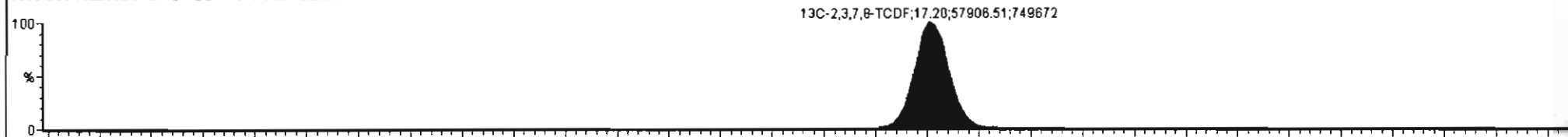
200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



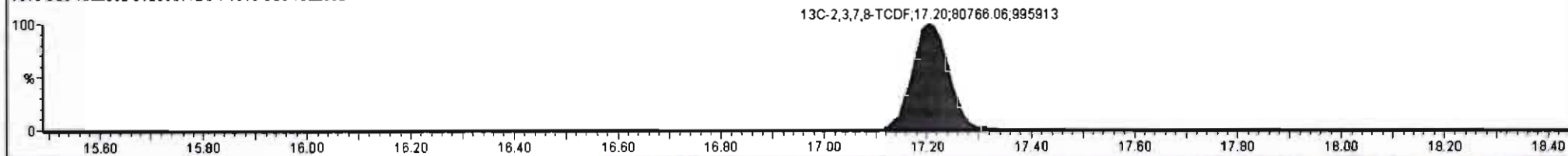
200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



200211D2_3
1613 C80 19L2302 ST200211D2-1 1613 C80 19L2302



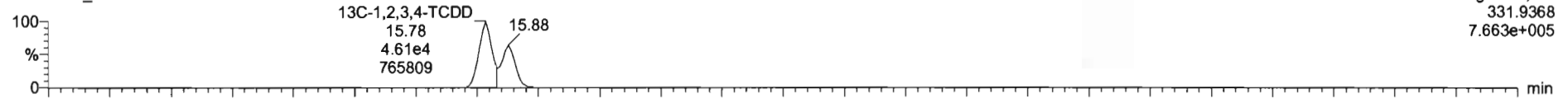
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

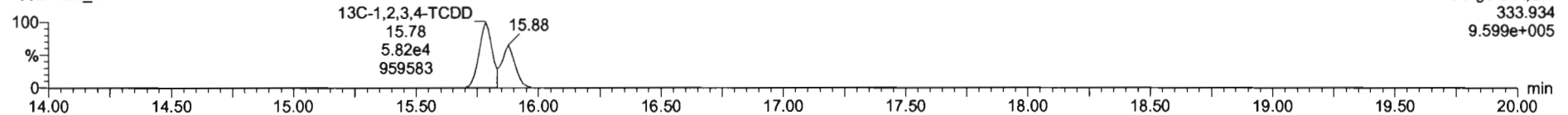
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13C-1,2,3,4-TCDD

200211D2_3

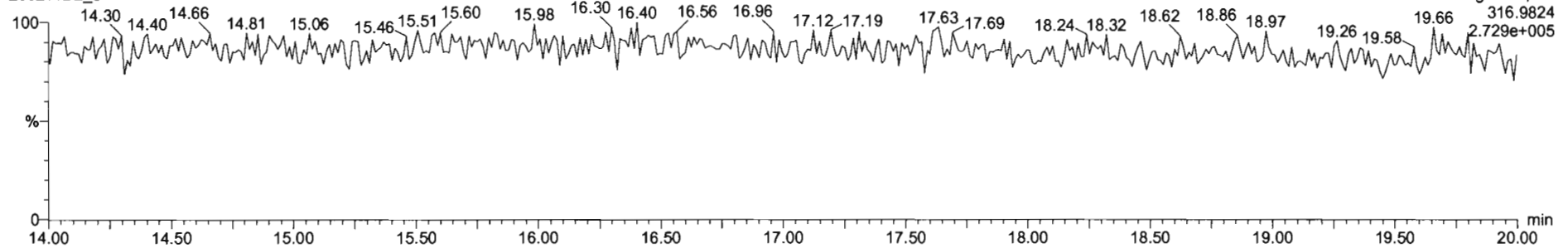


200211D2_3



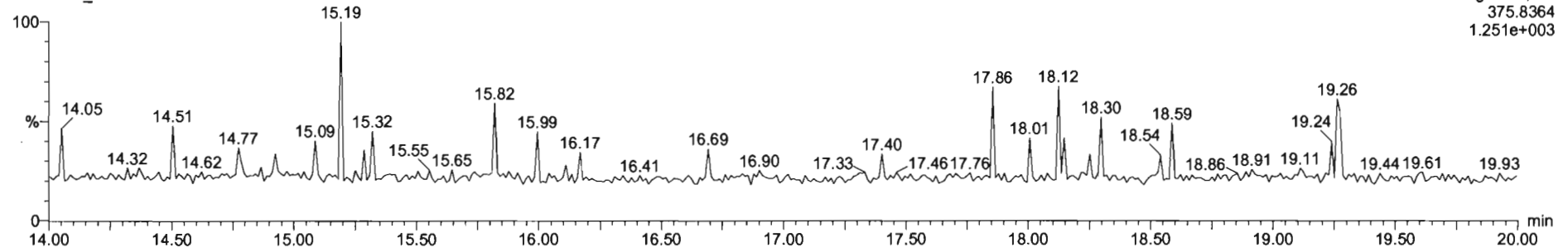
PFK1

200211D2_3



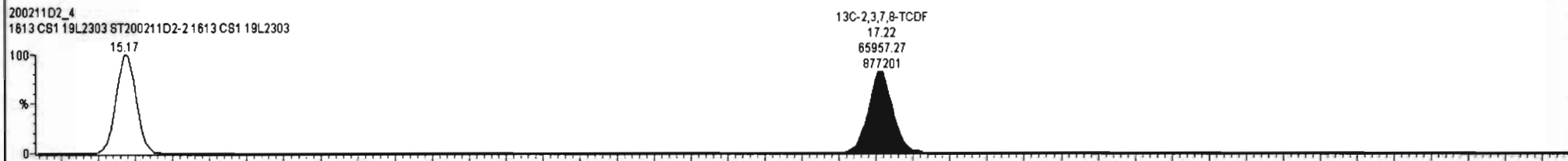
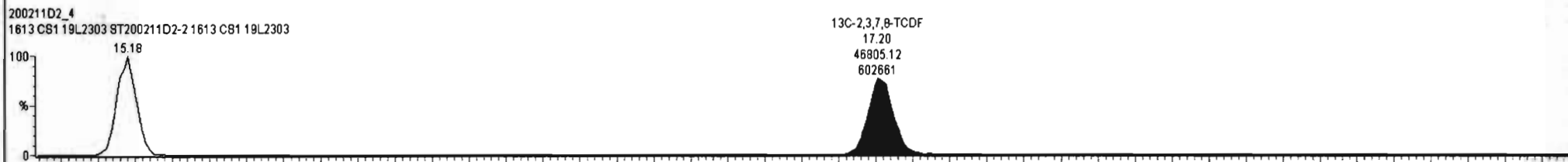
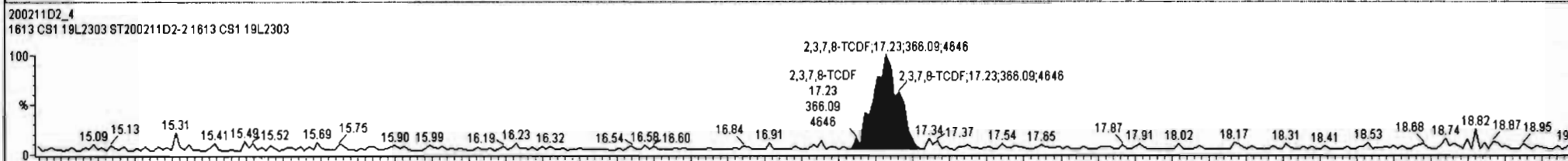
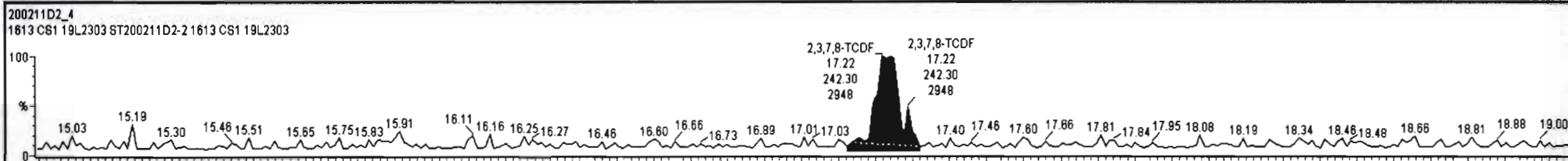
DPE1

200211D2_3



#	Name	Resp	RA	ruy	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EWPC
1	2,3,7,8-TCDF	8.09e2	0.66	NO	0.98	1.000	17.22	1.001	0.548	110	0.147	0.548
2	13C-2,3,7,8-TCDF	1.13e5	0.71	NO	1.08	1.000	17.20	1.133	91.7	91.7	0.381	
3	13C-1,2,3,4-TCDF	1.14e5	0.71	NO	1.00	1.000	15.18	1.000	100	100	0.412	
4	13C-1,2,3,4-TCDD	8.57e4	0.77	NO	1026.38	1.000	15.78	0.000	83.5	83.5	0.324	
5	PFK1					1.000						
6	DPF1					1.000						

#	Name	RT	int Resp	m2 Resp	RA	ruy	EWPC	Conc.
1								



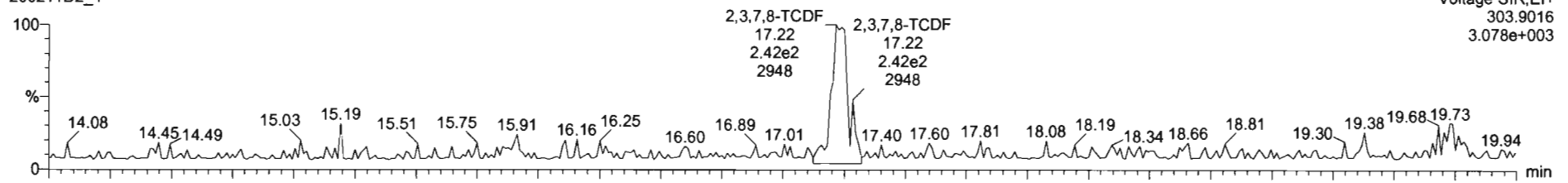
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Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

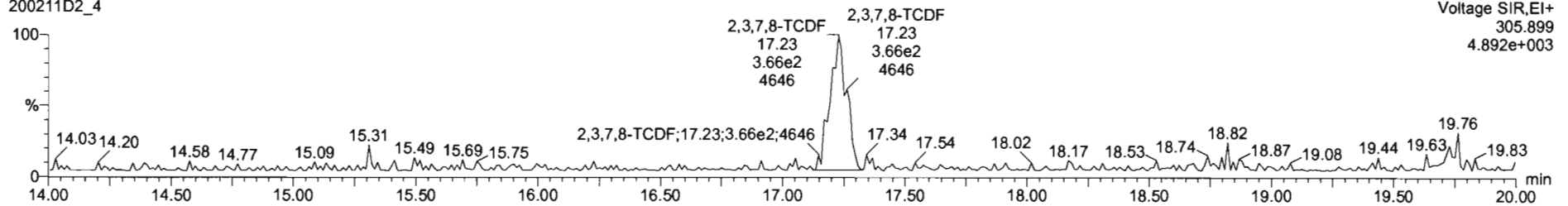
Name: 200211D2_4, Date: 11-Feb-2020, Time: 21:32:19, ID: ST200211D2-2 1613 CS1 19L2303, Description: 1613 CS1 19L2303

2,3,7,8-TCDF

200211D2_4

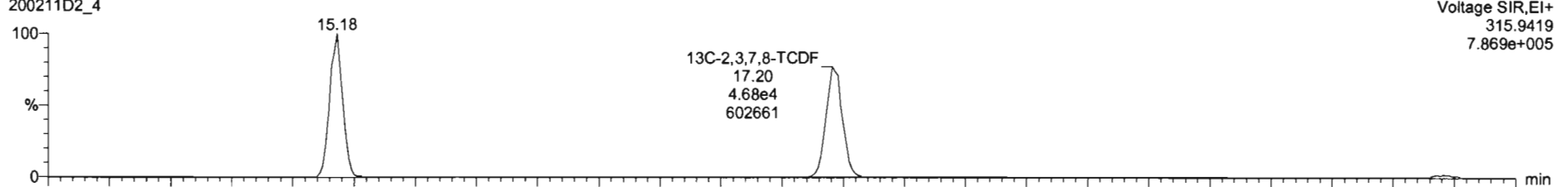


200211D2_4

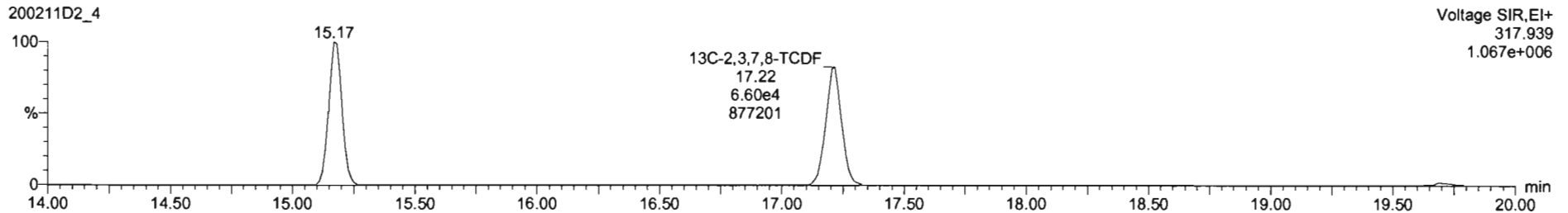


13C-2,3,7,8-TCDF

200211D2_4



200211D2_4



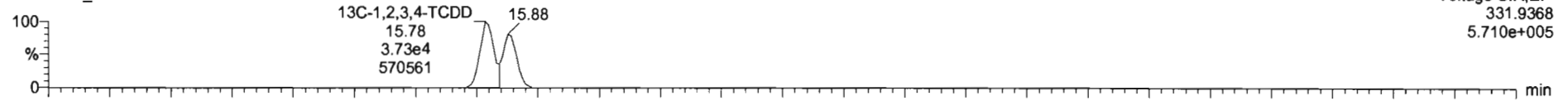
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Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

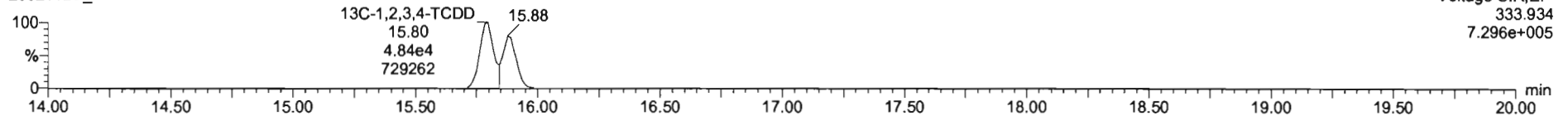
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13C-1,2,3,4-TCDD

200211D2_4

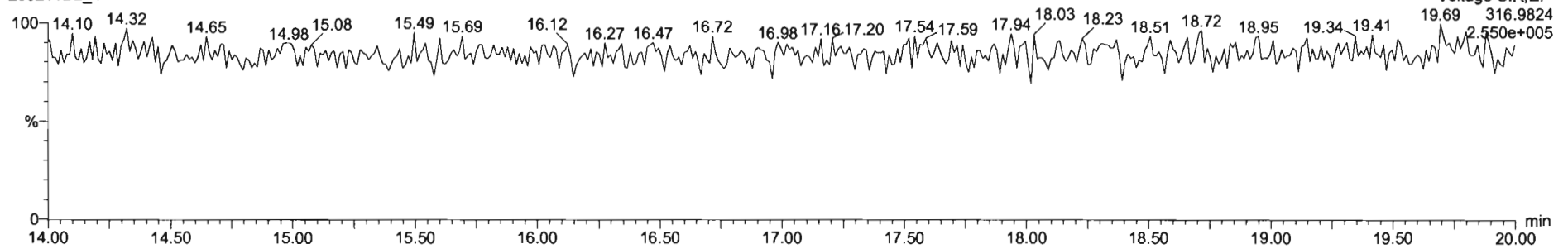


200211D2_4



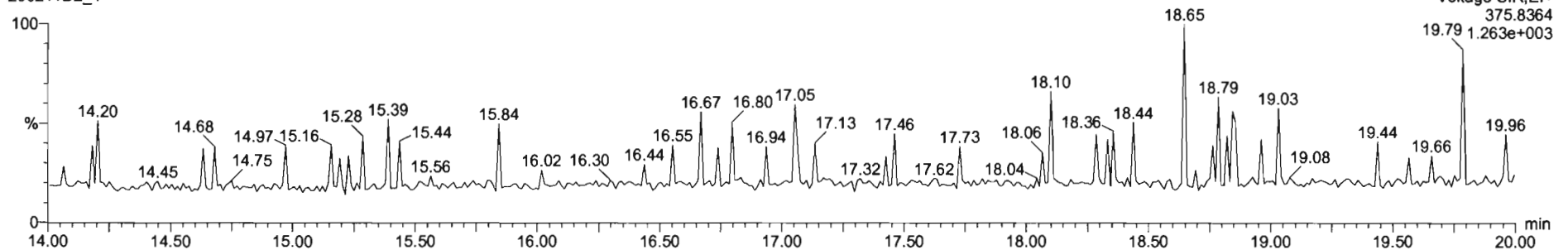
PFK1

200211D2_4



DPE1

200211D2_4



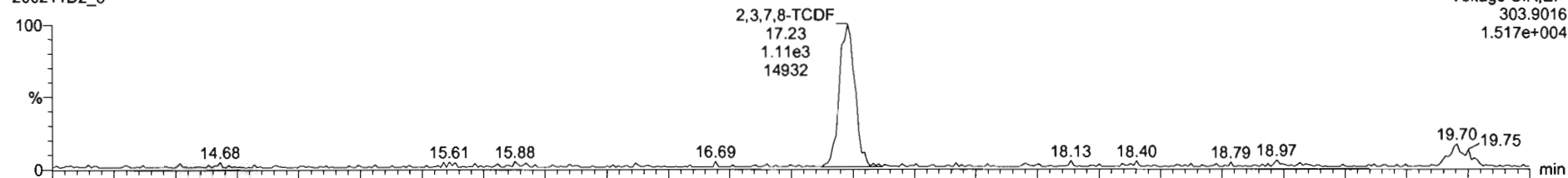
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

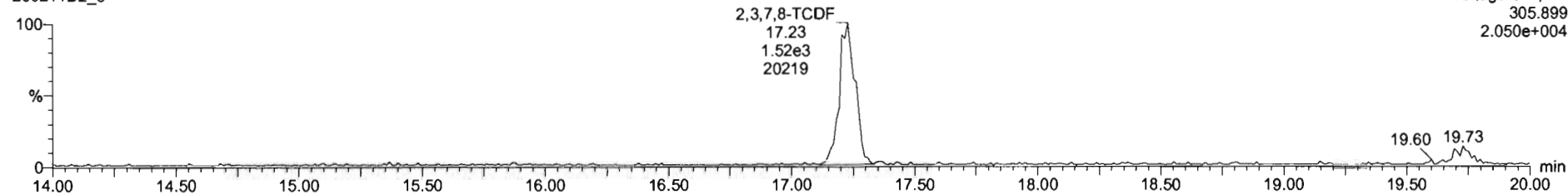
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2,3,7,8-TCDF

200211D2_5

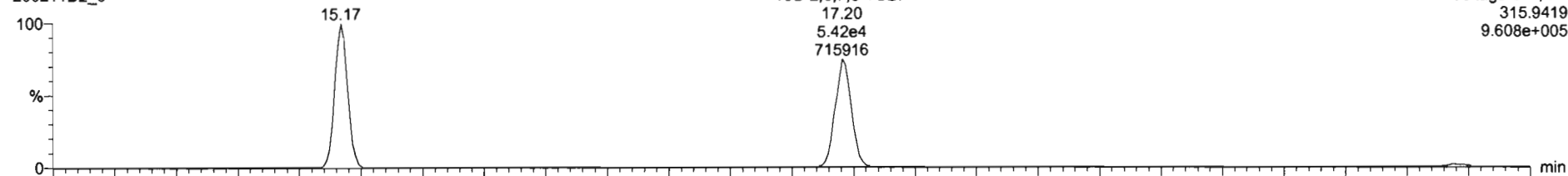


200211D2_5

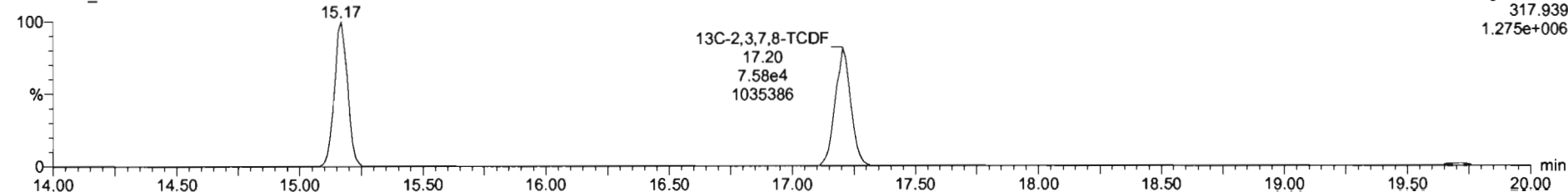


13C-2,3,7,8-TCDF

200211D2_5



200211D2_5

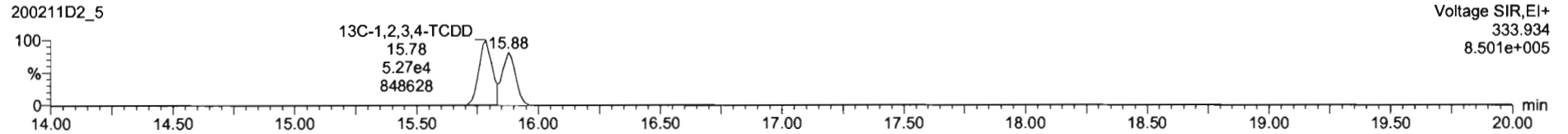
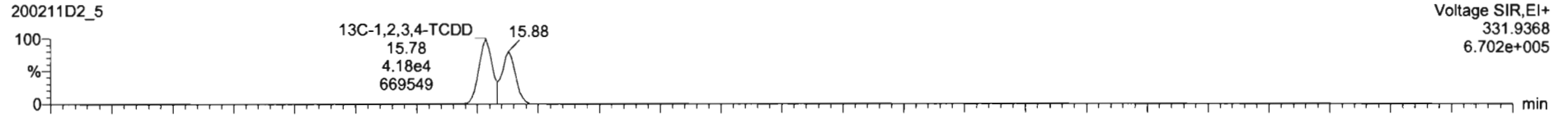


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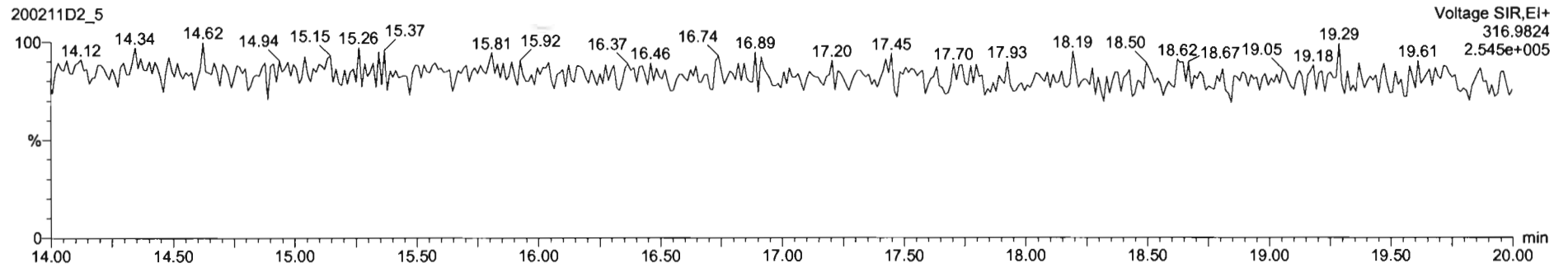
Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

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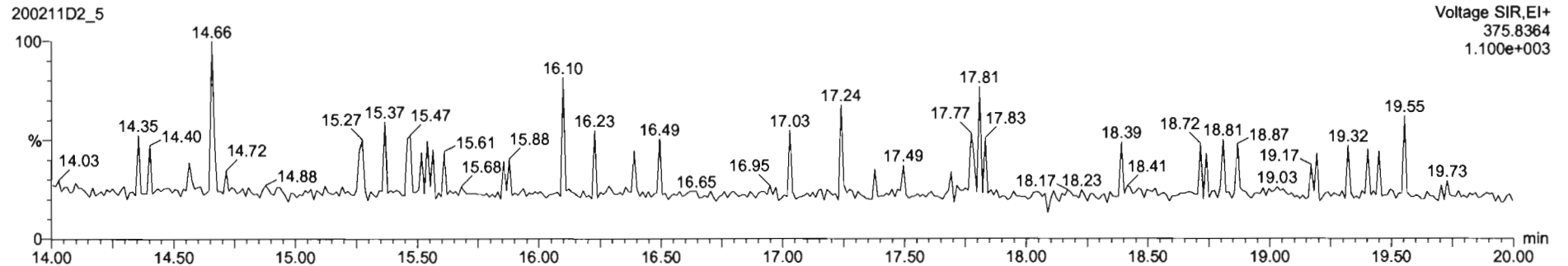
13C-1,2,3,4-TCDD



PFK1



DPE1



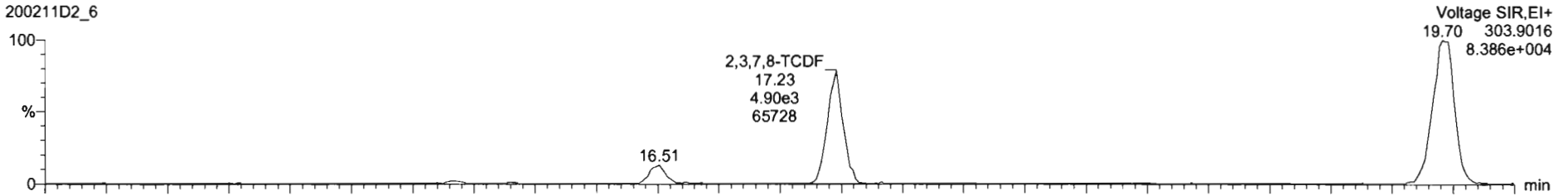
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Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

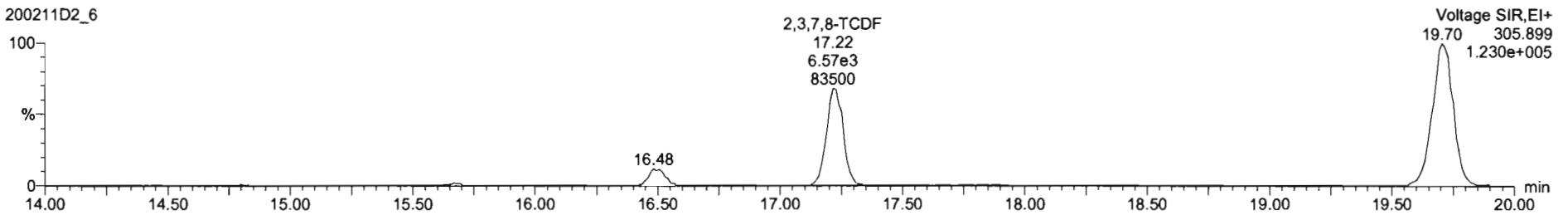
Name: 200211D2_6, Date: 11-Feb-2020, Time: 22:35:45, ID: ST200211D2-4 1613 CS3 19L2305, Description: 1613 CS3 19L2305

2,3,7,8-TCDF

200211D2_6

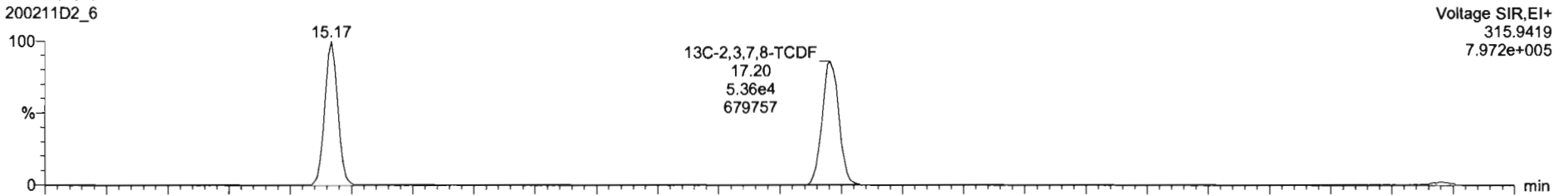


200211D2_6

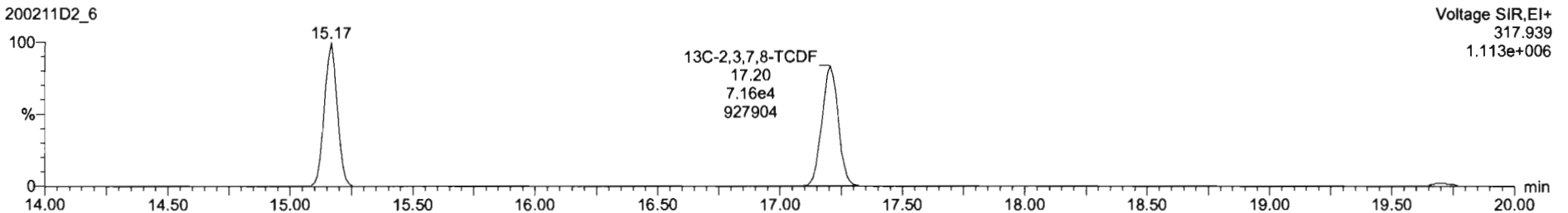


13C-2,3,7,8-TCDF

200211D2_6



200211D2_6



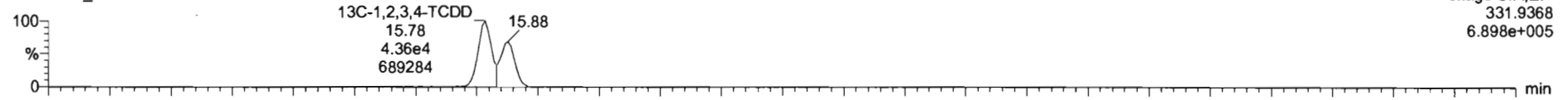
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

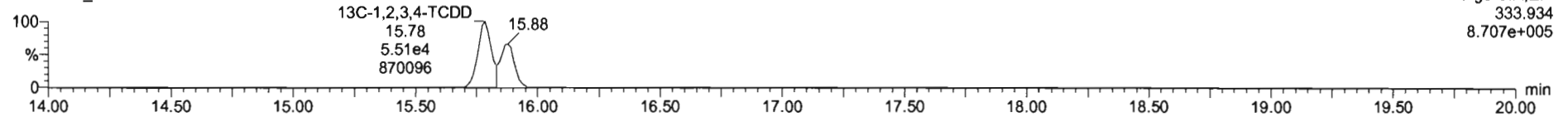
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13C-1,2,3,4-TCDD

200211D2_6

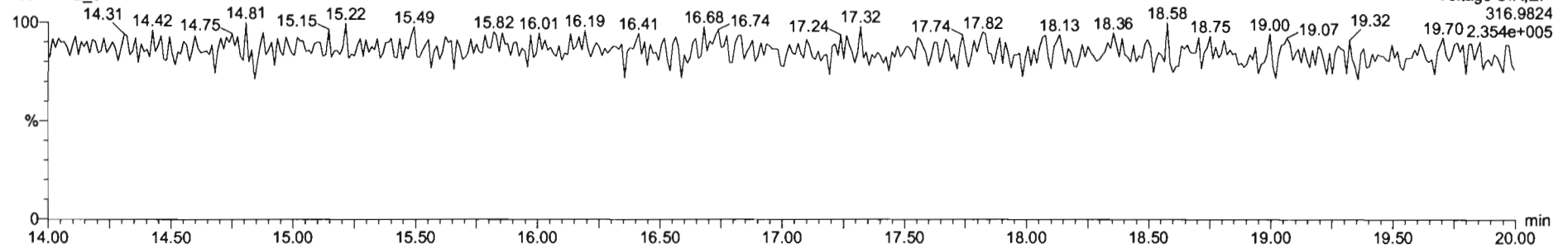


200211D2_6



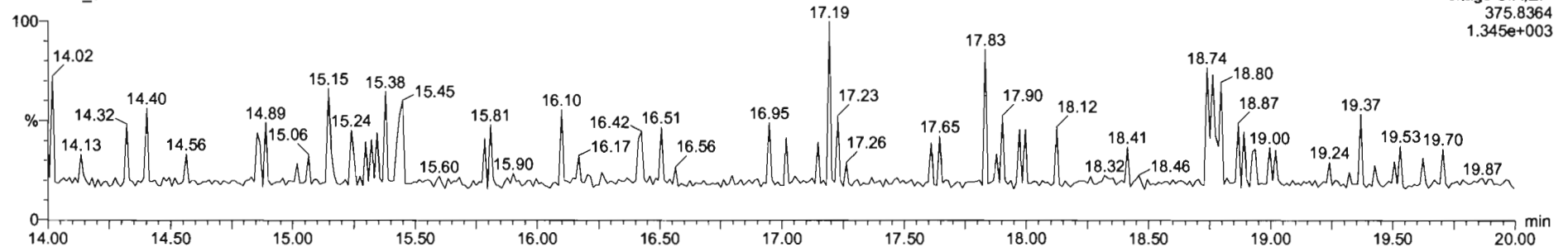
PFK1

200211D2_6



DPE1

200211D2_6



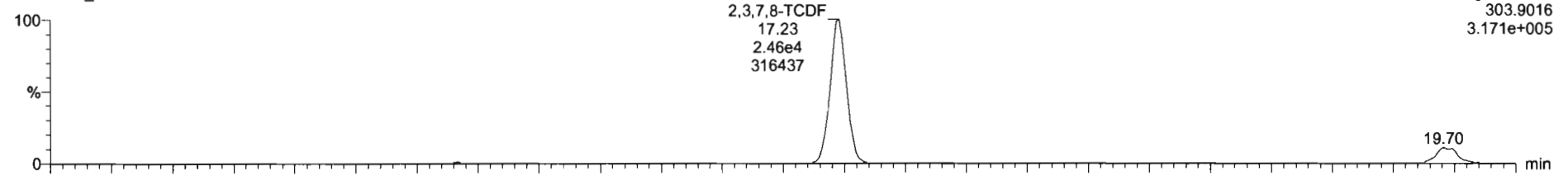
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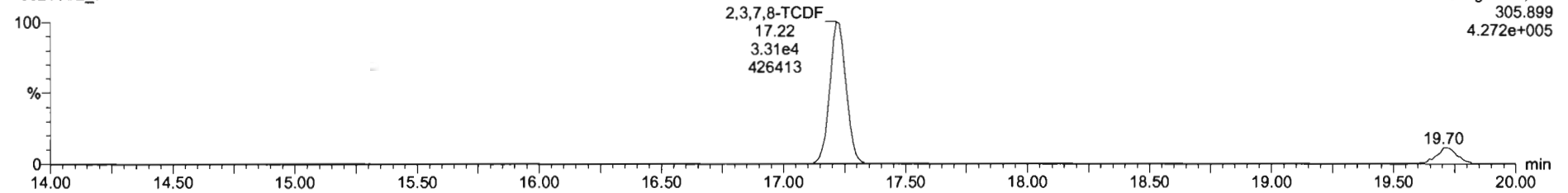
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2,3,7,8-TCDF

200211D2_7

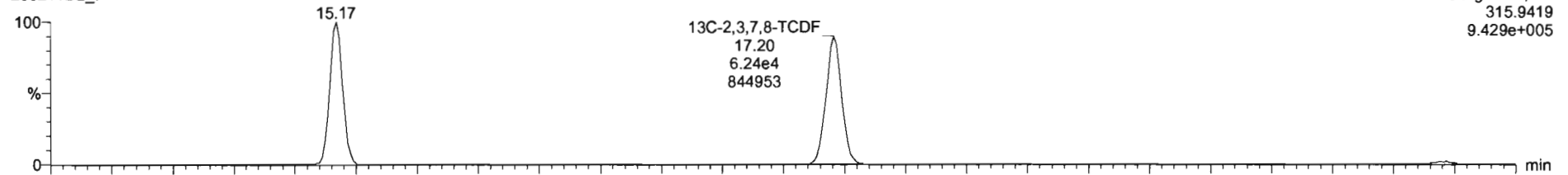


200211D2_7

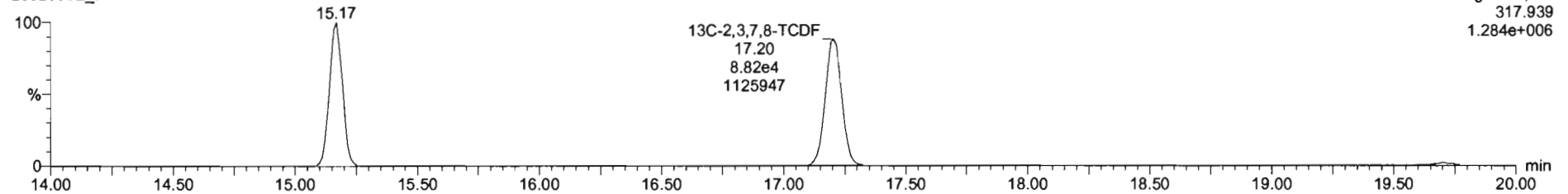


13C-2,3,7,8-TCDF

200211D2_7



200211D2_7



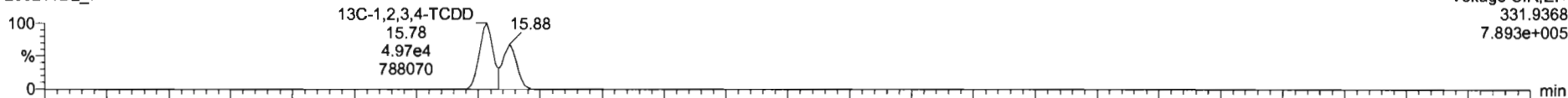
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Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

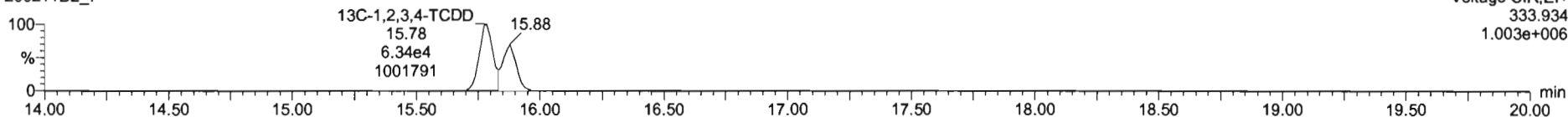
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13C-1,2,3,4-TCDD

200211D2_7

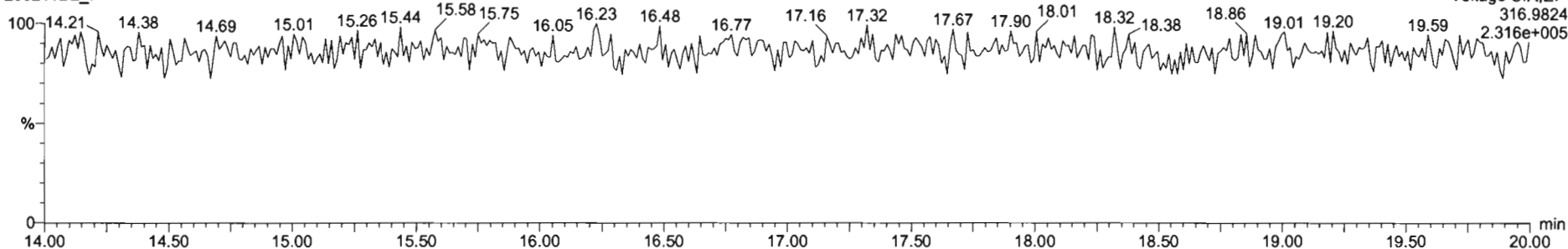


200211D2_7



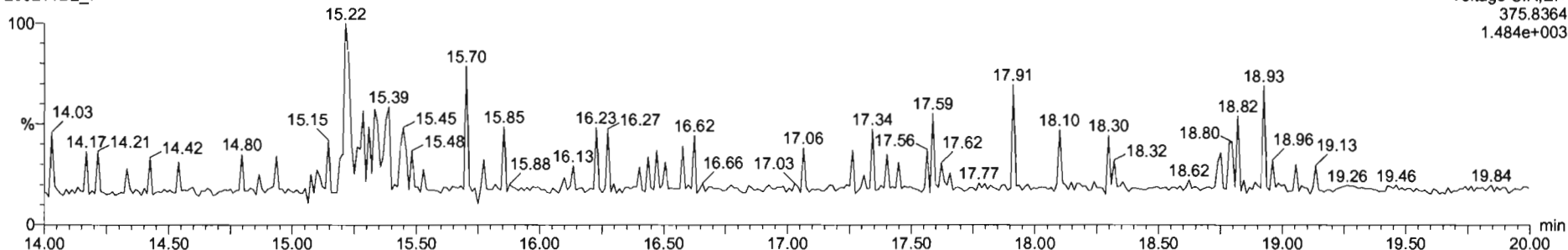
PFK1

200211D2_7



DPE1

200211D2_7



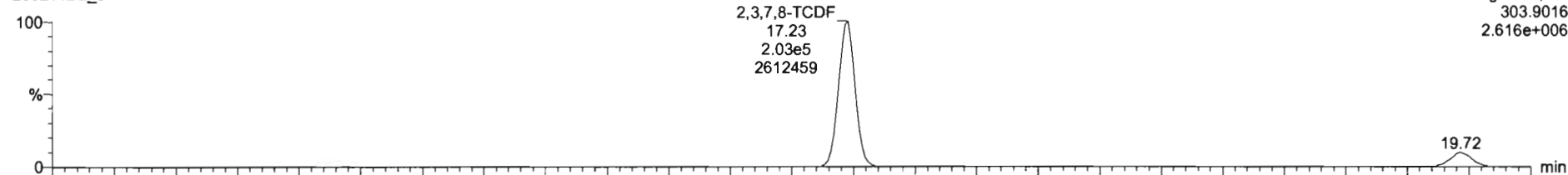
Dataset: U:\VG7.PRO\Results\200211D2\200211D2_CRV.qld

Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:38:37 Pacific Standard Time

Name: 200211D2_8, Date: 11-Feb-2020, Time: 23:39:11, ID: ST200211D2-6 1613 CS5 19L2307, Description: 1613 CS5 19L2307

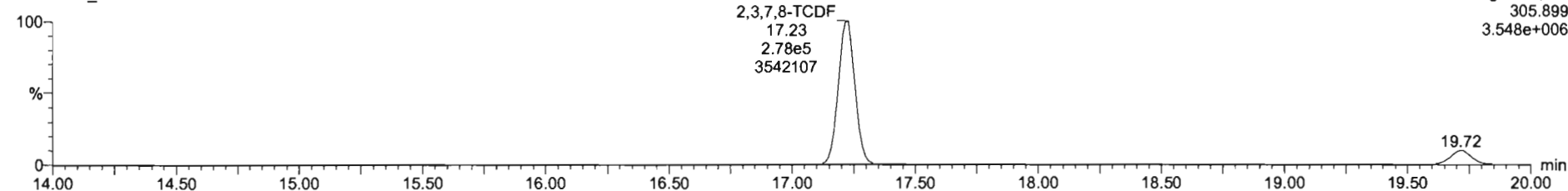
2,3,7,8-TCDF

200211D2_8



Voltage SIR,EI+
303.9016
2.616e+006

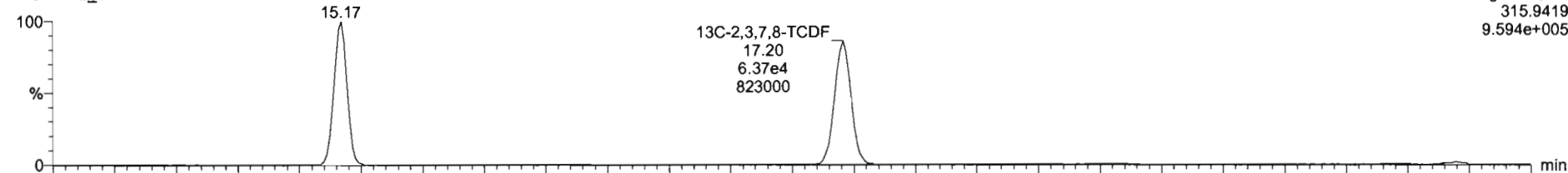
200211D2_8



Voltage SIR,EI+
305.899
3.548e+006

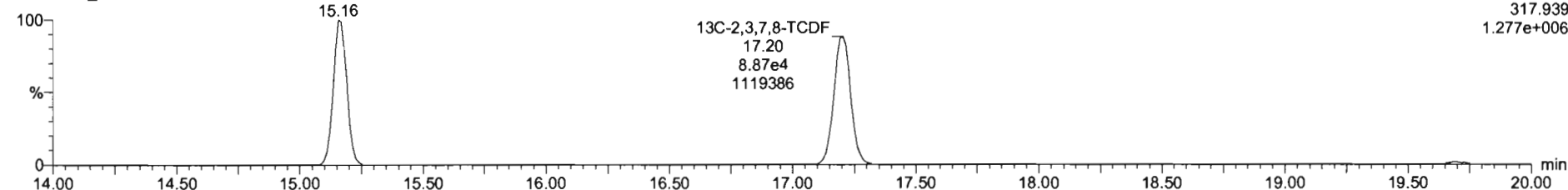
13C-2,3,7,8-TCDF

200211D2_8



Voltage SIR,EI+
315.9419
9.594e+005

200211D2_8



Voltage SIR,EI+
317.939
1.277e+006

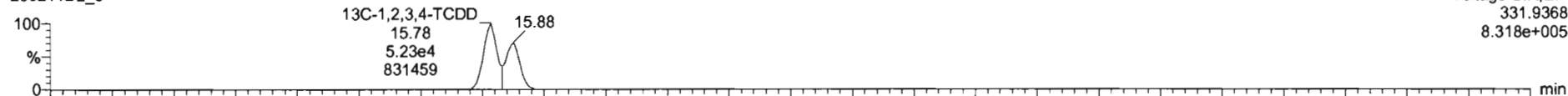
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Last Altered: Wednesday, February 12, 2020 10:17:56 Pacific Standard Time
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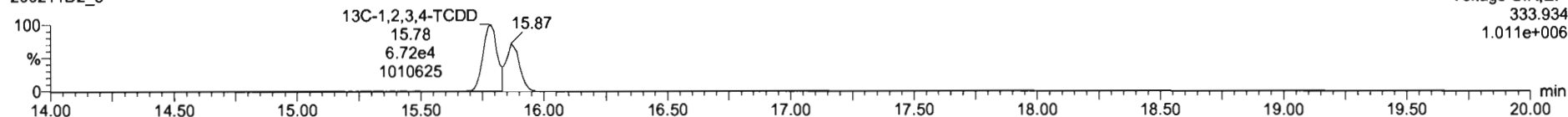
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13C-1,2,3,4-TCDD

200211D2_8

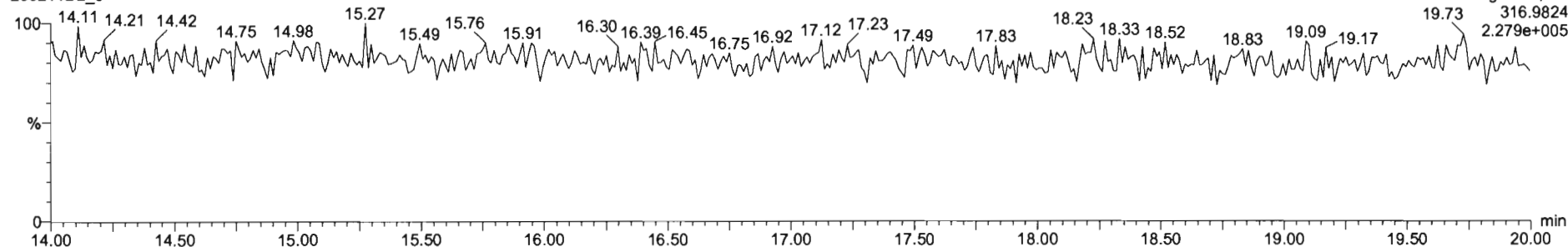


200211D2_8



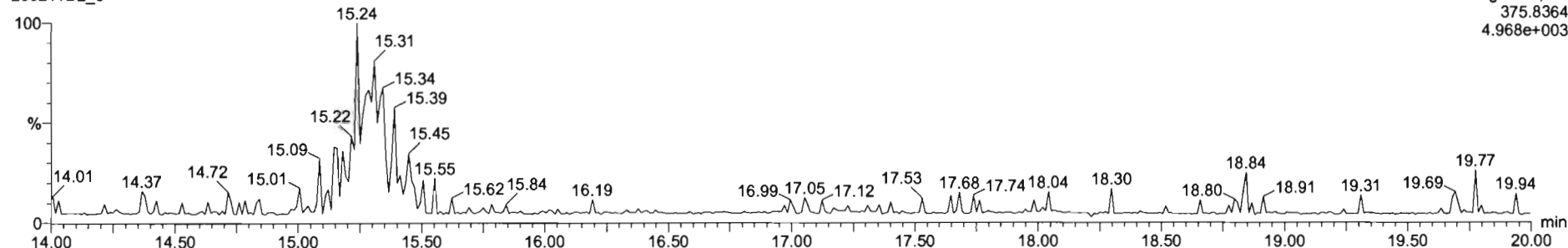
PFK1

200211D2_8

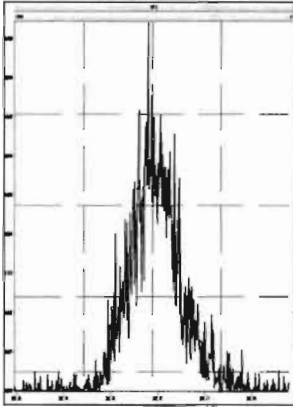


DPE1

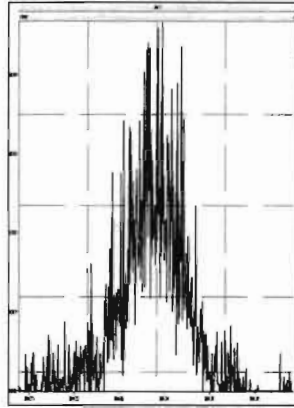
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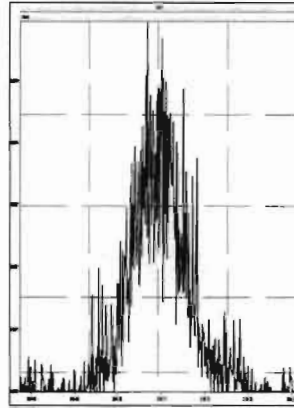
M 292.9824 R 13493



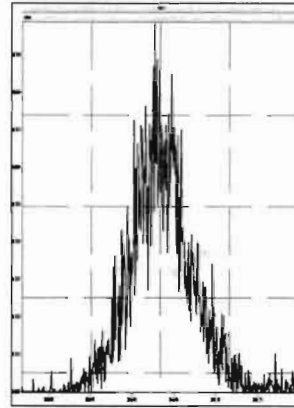
M 304.9824 R 14983



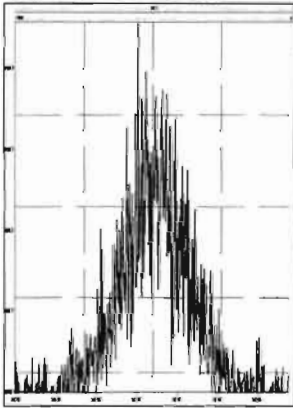
M 318.9792 R 15196



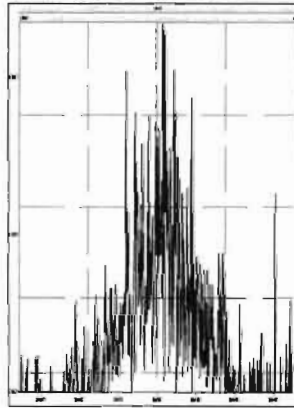
M 330.9792 R 11772



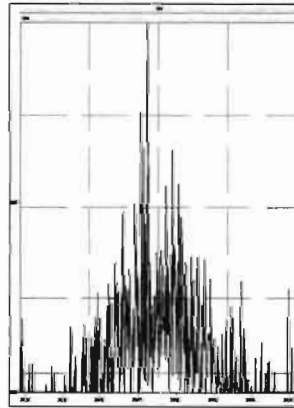
M 342.9792 R 13721



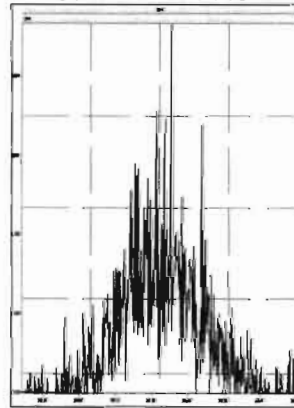
M 354.9792 R 24553



M 366.9792 R 121228



M 380.9760 R 14409



Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

Last Altered: Wednesday, February 12, 2020 10:51:20 Pacific Standard Time

Printed: Wednesday, February 12, 2020 10:52:52 Pacific Standard Time

DB 2/12/20 07:52/2020

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24

Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

#	Name	Resp	RA	n/y	RRF M...	wt/vol	RT	Conc.	%Rec	DL
1	2,3,7,8-TCDF	1.29e4	0.77	NO	0.982	1.000	17.22	10.800	108	0.183
2	13C-2,3,7,8-TCDF	1.22e5	0.73	NO	1.08	1.000	17.20	92.025	92.0	0.305
3	13C-1,2,3,4-TCDF	1.22e5	0.72	NO	1.00	1.000	15.17	100.00	100	0.330
4	13C-1,2,3,4-TCDD	8.99e4	0.76	NO	1030	1.000	15.78	87.563	87.6	0.304

Dataset: U:\VG7.PRO\Results\200211D2\200211D2_10.qld

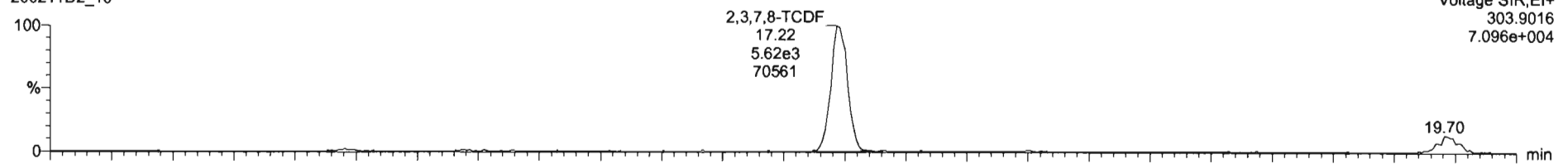
Last Altered: Wednesday, February 12, 2020 10:51:20 Pacific Standard Time
Printed: Wednesday, February 12, 2020 10:53:15 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\tcdf.mdb 11 Feb 2020 09:33:24
Calibration: U:\VG7.PRO\CurveDB\db-225_1613tcdfvg7-2-11-20.cdb 12 Feb 2020 10:17:56

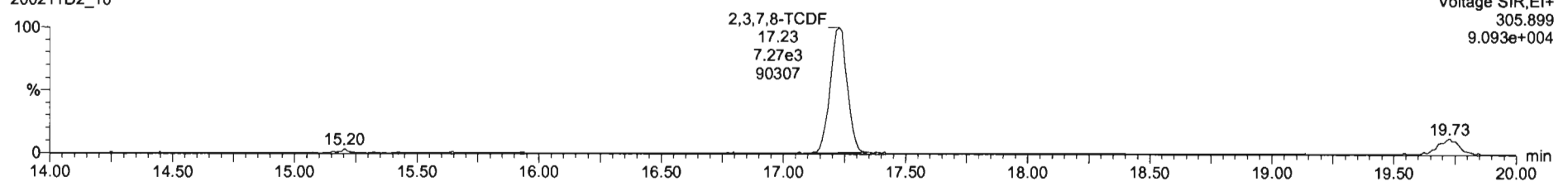
Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

2,3,7,8-TCDF

200211D2_10

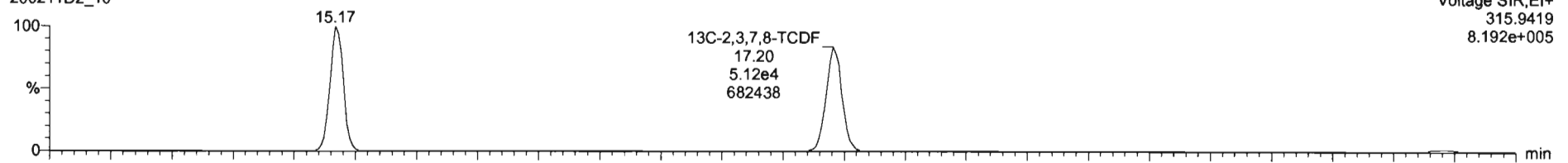


200211D2_10

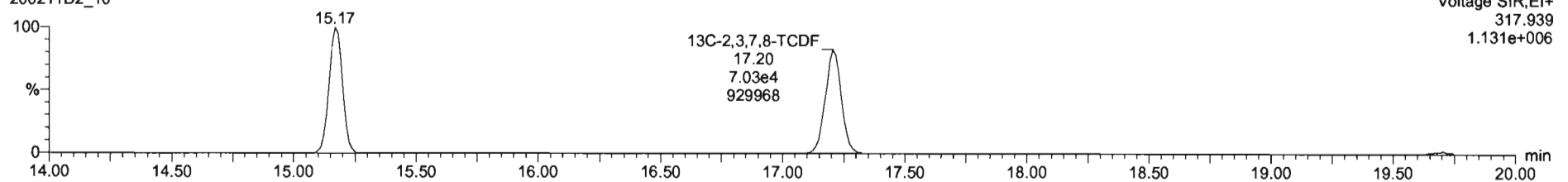


13C-2,3,7,8-TCDF

200211D2_10



200211D2_10



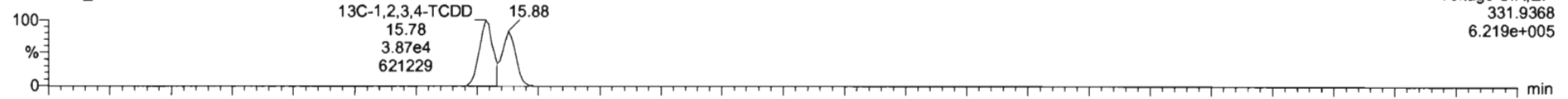
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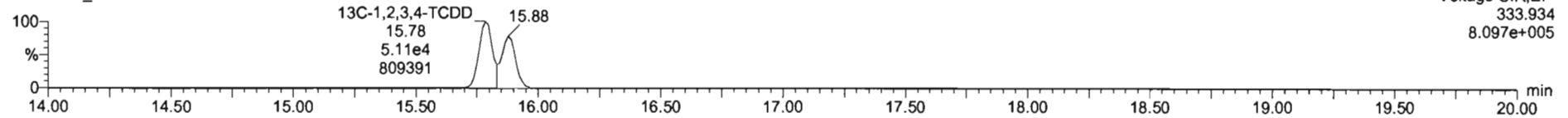
Name: 200211D2_10, Date: 12-Feb-2020, Time: 00:42:33, ID: SS200211D2-1 1613 SSS 19L2308, Description: 1613 SSS 19L2308

13C-1,2,3,4-TCDD

200211D2_10

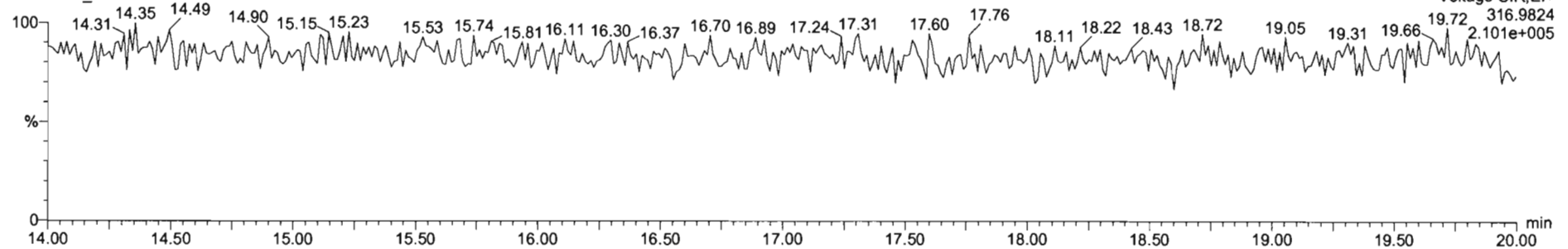


200211D2_10



PFK1

200211D2_10



DPE1

200211D2_10

