

October 06, 2020

Vista Work Order No. 2002003

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 September 24, 2020 under your Project Name 'A0I0499'.

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. 2002003

Case Narrative

Sample Condition on Receipt:

Eight 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. The samples were received in clear glass jars. Samples "PDI-083SC-B-10-12-191022" and "PDI-083SC-A-14-15-191022" were assigned to Vista Work Order No. 2002006.

Analytical Notes:

EPA Method 1613B

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

Holding Times

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

Quality Control

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

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

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

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2002003-01	PDI-018SC-A-00-01-190926	26-Sep-19 08:54	24-Sep-20 10:31	Clear Glass Jar, 120mL
2002003-02	PDI-018SC-A-01-02-190926	26-Sep-19 08:54	24-Sep-20 10:31	Clear Glass Jar, 120mL
2002003-03	PDI-018SC-A-02-03-190926	26-Sep-19 08:54	24-Sep-20 10:31	Clear Glass Jar, 120mL
2002003-04	PDI-018SC-A-03-04-190926	26-Sep-19 08:54	24-Sep-20 10:31	Clear Glass Jar, 120mL
2002003-05	PDI-018SC-A-04-05-190926	26-Sep-19 08:54	24-Sep-20 10:31	Clear Glass Jar, 120mL
2002003-06	PDI-018SC-A-05-06-190926	26-Sep-19 08:54	24-Sep-20 10:31	Clear Glass Jar, 120mL

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1613B

Client Data		Laboratory Data			
Name:	Anchor QEA, LLC	Lab Sample:	B0I0193-BLK1	Date Extracted:	25-Sep-20
Project:	A0I0499	QC Batch:	B0I0193	Column:	ZB-DIOXIN
Matrix:	Solid	Sample Size:	10.0 g		

Analyte	Conc. (pg/g)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.0925			30-Sep-20 21:11	1
1,2,3,7,8-PeCDD	ND	0.103			30-Sep-20 21:11	1
1,2,3,4,7,8-HxCDD	ND	0.0979			30-Sep-20 21:11	1
1,2,3,6,7,8-HxCDD	ND	0.100			30-Sep-20 21:11	1
1,2,3,7,8,9-HxCDD	ND	0.104			30-Sep-20 21:11	1
1,2,3,4,6,7,8-HpCDD	ND	0.135			30-Sep-20 21:11	1
OCDD	ND	0.215			30-Sep-20 21:11	1
2,3,7,8-TCDF	ND		0.0905		30-Sep-20 21:11	1
1,2,3,7,8-PeCDF	ND	0.0726			30-Sep-20 21:11	1
2,3,4,7,8-PeCDF	ND	0.0641			30-Sep-20 21:11	1
1,2,3,4,7,8-HxCDF	ND	0.102			30-Sep-20 21:11	1
1,2,3,6,7,8-HxCDF	ND	0.0974			30-Sep-20 21:11	1
2,3,4,6,7,8-HxCDF	ND	0.109			30-Sep-20 21:11	1
1,2,3,7,8,9-HxCDF	ND		0.150		30-Sep-20 21:11	1
1,2,3,4,6,7,8-HpCDF	ND	0.155			30-Sep-20 21:11	1
1,2,3,4,7,8,9-HpCDF	ND	0.152			30-Sep-20 21:11	1
OCDF	ND	0.204			30-Sep-20 21:11	1

Toxic Equivalent	
TEQMinWHO2005Dioxin	0.00

Totals	
Total TCDD	ND 0.0925
Total PeCDD	ND 0.103
Total HxCDD	ND 0.104
Total HpCDD	ND 0.135
Total TCDF	ND 0.0905
Total PeCDF	ND 0.0726
Total HxCDF	ND 0.150
Total HpCDF	ND 0.155

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	100	25 - 164		30-Sep-20 21:11	1
13C-1,2,3,7,8-PeCDD	IS	99.8	25 - 181		30-Sep-20 21:11	1
13C-1,2,3,4,7,8-HxCDD	IS	101	32 - 141		30-Sep-20 21:11	1
13C-1,2,3,6,7,8-HxCDD	IS	98.4	28 - 130		30-Sep-20 21:11	1
13C-1,2,3,7,8,9-HxCDD	IS	101	32 - 141		30-Sep-20 21:11	1
13C-1,2,3,4,6,7,8-HpCDD	IS	94.2	23 - 140		30-Sep-20 21:11	1
13C-OCDD	IS	83.4	17 - 157		30-Sep-20 21:11	1
13C-2,3,7,8-TCDF	IS	96.3	24 - 169		30-Sep-20 21:11	1
13C-1,2,3,7,8-PeCDF	IS	96.2	24 - 185		30-Sep-20 21:11	1
13C-2,3,4,7,8-PeCDF	IS	92.8	21 - 178		30-Sep-20 21:11	1
13C-1,2,3,4,7,8-HxCDF	IS	94.1	26 - 152		30-Sep-20 21:11	1
13C-1,2,3,6,7,8-HxCDF	IS	94.9	26 - 123		30-Sep-20 21:11	1
13C-2,3,4,6,7,8-HxCDF	IS	93.5	28 - 136		30-Sep-20 21:11	1
13C-1,2,3,7,8,9-HxCDF	IS	94.2	29 - 147		30-Sep-20 21:11	1
13C-1,2,3,4,6,7,8-HpCDF	IS	89.8	28 - 143		30-Sep-20 21:11	1
13C-1,2,3,4,7,8,9-HpCDF	IS	93.6	26 - 138		30-Sep-20 21:11	1
13C-OCDF	IS	76.0	17 - 157		30-Sep-20 21:11	1
37Cl-2,3,7,8-TCDD	CRS	118	35 - 197		30-Sep-20 21:11	1

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

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

Sample ID: OPR

EPA Method 1613B

Client Data		Laboratory Data			
Name:	Anchor QEA, LLC	Lab Sample:	B0I0193-BS1	Date Extracted:	25-Sep-20 10:33
Project:	A0I0499	QC Batch:	B0I0193	Column:	ZB-DIOXIN
Matrix:	Solid	Sample Size:	10.0 g		

Analyte	Amt Found (pg/g)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	22.0	20.0	110	67-158		30-Sep-20 19:40	1
1,2,3,7,8-PeCDD	113	100	113	70-142		30-Sep-20 19:40	1
1,2,3,4,7,8-HxCDD	99.4	100	99.4	70-164		30-Sep-20 19:40	1
1,2,3,6,7,8-HxCDD	96.2	100	96.2	76-134		30-Sep-20 19:40	1
1,2,3,7,8,9-HxCDD	98.3	100	98.3	64-162		30-Sep-20 19:40	1
1,2,3,4,6,7,8-HpCDD	103	100	103	70-140		30-Sep-20 19:40	1
OCDD	202	200	101	78-144		30-Sep-20 19:40	1
2,3,7,8-TCDF	19.3	20.0	96.7	75-158		30-Sep-20 19:40	1
1,2,3,7,8-PeCDF	106	100	106	80-134		30-Sep-20 19:40	1
2,3,4,7,8-PeCDF	111	100	111	68-160		30-Sep-20 19:40	1
1,2,3,4,7,8-HxCDF	118	100	118	72-134		30-Sep-20 19:40	1
1,2,3,6,7,8-HxCDF	120	100	120	84-130		30-Sep-20 19:40	1
2,3,4,6,7,8-HxCDF	118	100	118	70-156		30-Sep-20 19:40	1
1,2,3,7,8,9-HxCDF	116	100	116	78-130		30-Sep-20 19:40	1
1,2,3,4,6,7,8-HpCDF	111	100	111	82-122		30-Sep-20 19:40	1
1,2,3,4,7,8,9-HpCDF	110	100	110	78-138		30-Sep-20 19:40	1
OCDF	243	200	121	63-170		30-Sep-20 19:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	102	20-175		30-Sep-20 19:40	1
13C-1,2,3,7,8-PeCDD	IS	102	21-227		30-Sep-20 19:40	1
13C-1,2,3,4,7,8-HxCDD	IS	106	21-193		30-Sep-20 19:40	1
13C-1,2,3,6,7,8-HxCDD	IS	107	25-163		30-Sep-20 19:40	1
13C-1,2,3,7,8,9-HxCDD	IS	106	21-193		30-Sep-20 19:40	1
13C-1,2,3,4,6,7,8-HpCDD	IS	95.3	26-166		30-Sep-20 19:40	1
13C-OCDD	IS	86.0	13-199		30-Sep-20 19:40	1
13C-2,3,7,8-TCDF	IS	99.1	22-152		30-Sep-20 19:40	1
13C-1,2,3,7,8-PeCDF	IS	102	21-192		30-Sep-20 19:40	1
13C-2,3,4,7,8-PeCDF	IS	101	13-328		30-Sep-20 19:40	1
13C-1,2,3,4,7,8-HxCDF	IS	99.6	19-202		30-Sep-20 19:40	1
13C-1,2,3,6,7,8-HxCDF	IS	98.1	21-159		30-Sep-20 19:40	1
13C-2,3,4,6,7,8-HxCDF	IS	98.3	22-176		30-Sep-20 19:40	1
13C-1,2,3,7,8,9-HxCDF	IS	99.4	17-205		30-Sep-20 19:40	1
13C-1,2,3,4,6,7,8-HpCDF	IS	97.6	21-158		30-Sep-20 19:40	1
13C-1,2,3,4,7,8,9-HpCDF	IS	95.4	20-186		30-Sep-20 19:40	1
13C-OCDF	IS	79.9	13-199		30-Sep-20 19:40	1
37Cl-2,3,7,8-TCDD	CRS	122	31-191		30-Sep-20 19:40	1

Client Data		Laboratory Data			
Name:	Anchor QEA, LLC	Lab Sample:	2002003-01	Date Received:	24-Sep-20 10:31
Project:	A0I0499	QC Batch:	B0I0193	Date Extracted:	25-Sep-20
Matrix:	Sediment	Sample Size:	10.2 g	Column:	ZB-DIOXIN
Date Collected:	26-Sep-19 08:54	% Solids:	84.5		

Analyte	Conc. (pg/g)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.113			30-Sep-20 21:57	1
1,2,3,7,8-PeCDD	ND	0.179			30-Sep-20 21:57	1
1,2,3,4,7,8-HxCDD	ND		0.228		30-Sep-20 21:57	1
1,2,3,6,7,8-HxCDD	0.782			J	30-Sep-20 21:57	1
1,2,3,7,8,9-HxCDD	0.416			J	30-Sep-20 21:57	1
1,2,3,4,6,7,8-HpCDD	26.0				30-Sep-20 21:57	1
OCDD	229				30-Sep-20 21:57	1
2,3,7,8-TCDF	0.535			J	30-Sep-20 21:57	1
1,2,3,7,8-PeCDF	ND		0.357		30-Sep-20 21:57	1
2,3,4,7,8-PeCDF	0.353			J	30-Sep-20 21:57	1
1,2,3,4,7,8-HxCDF	0.894			J	30-Sep-20 21:57	1
1,2,3,6,7,8-HxCDF	0.409			J	30-Sep-20 21:57	1
2,3,4,6,7,8-HxCDF	0.269			J	30-Sep-20 21:57	1
1,2,3,7,8,9-HxCDF	0.265			J	30-Sep-20 21:57	1
1,2,3,4,6,7,8-HpCDF	2.13			J	30-Sep-20 21:57	1
1,2,3,4,7,8,9-HpCDF	0.412			J	30-Sep-20 21:57	1
OCDF	7.52				30-Sep-20 21:57	1

Toxic Equivalent

TEQMinWHO2005Dioxin	0.819
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Totals

Total TCDD	ND	0.113				
Total PeCDD	ND	0.179				
Total HxCDD	5.11		6.73			
Total HpCDD	60.7					
Total TCDF	1.66		1.89			
Total PeCDF	1.48		2.01			
Total HxCDF	4.73					
Total HpCDF	7.55					

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	96.5	25 - 164		30-Sep-20 21:57	1
13C-1,2,3,7,8-PeCDD	IS	99.6	25 - 181		30-Sep-20 21:57	1
13C-1,2,3,4,7,8-HxCDD	IS	101	32 - 141		30-Sep-20 21:57	1
13C-1,2,3,6,7,8-HxCDD	IS	99.9	28 - 130		30-Sep-20 21:57	1
13C-1,2,3,7,8,9-HxCDD	IS	100	32 - 141		30-Sep-20 21:57	1
13C-1,2,3,4,6,7,8-HpCDD	IS	92.8	23 - 140		30-Sep-20 21:57	1
13C-OCDD	IS	82.2	17 - 157		30-Sep-20 21:57	1
13C-2,3,7,8-TCDF	IS	94.4	24 - 169		30-Sep-20 21:57	1
13C-1,2,3,7,8-PeCDF	IS	94.8	24 - 185		30-Sep-20 21:57	1
13C-2,3,4,7,8-PeCDF	IS	94.5	21 - 178		30-Sep-20 21:57	1
13C-1,2,3,4,7,8-HxCDF	IS	95.3	26 - 152		30-Sep-20 21:57	1
13C-1,2,3,6,7,8-HxCDF	IS	94.0	26 - 123		30-Sep-20 21:57	1
13C-2,3,4,6,7,8-HxCDF	IS	93.4	28 - 136		30-Sep-20 21:57	1
13C-1,2,3,7,8,9-HxCDF	IS	96.4	29 - 147		30-Sep-20 21:57	1
13C-1,2,3,4,6,7,8-HpCDF	IS	93.7	28 - 143		30-Sep-20 21:57	1
13C-1,2,3,4,7,8,9-HpCDF	IS	95.0	26 - 138		30-Sep-20 21:57	1
13C-OCDF	IS	75.8	17 - 157		30-Sep-20 21:57	1
37Cl-2,3,7,8-TCDD	CRS	120	35 - 197		30-Sep-20 21:57	1

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

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

Client Data		Laboratory Data			
Name:	Anchor QEA, LLC	Lab Sample:	2002003-02	Date Received:	24-Sep-20 10:31
Project:	A0I0499	QC Batch:	B0I0193	Date Extracted:	25-Sep-20
Matrix:	Sediment	Sample Size:	11.7 g	Column:	ZB-DIOXIN
Date Collected:	26-Sep-19 08:54	% Solids:	83.9		

Analyte	Conc. (pg/g)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.0958			30-Sep-20 22:43	1
1,2,3,7,8-PeCDD	ND	0.142			30-Sep-20 22:43	1
1,2,3,4,7,8-HxCDD	ND	0.153			30-Sep-20 22:43	1
1,2,3,6,7,8-HxCDD	0.445			J	30-Sep-20 22:43	1
1,2,3,7,8,9-HxCDD	0.202			J	30-Sep-20 22:43	1
1,2,3,4,6,7,8-HpCDD	12.9				30-Sep-20 22:43	1
OCDD	144				30-Sep-20 22:43	1
2,3,7,8-TCDF	1.07				30-Sep-20 22:43	1
1,2,3,7,8-PeCDF	1.06			J	30-Sep-20 22:43	1
2,3,4,7,8-PeCDF	0.721			J	30-Sep-20 22:43	1
1,2,3,4,7,8-HxCDF	2.44			J	30-Sep-20 22:43	1
1,2,3,6,7,8-HxCDF	0.844			J	30-Sep-20 22:43	1
2,3,4,6,7,8-HxCDF	0.347			J	30-Sep-20 22:43	1
1,2,3,7,8,9-HxCDF	0.410			J	30-Sep-20 22:43	1
1,2,3,4,6,7,8-HpCDF	3.21				30-Sep-20 22:43	1
1,2,3,4,7,8,9-HpCDF	0.595			J	30-Sep-20 22:43	1
OCDF	6.34				30-Sep-20 22:43	1

Toxic Equivalent

TEQMinWHO2005Dioxin	1.04
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Totals

Total TCDD	ND	0.0958				
Total PeCDD	ND	0.142				
Total HxCDD	2.95		4.10			
Total HpCDD	29.6					
Total TCDF	4.48		4.77			
Total PeCDF	5.53					
Total HxCDF	7.23					
Total HpCDF	8.01					

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	101	25 - 164		30-Sep-20 22:43	1
13C-1,2,3,7,8-PeCDD	IS	103	25 - 181		30-Sep-20 22:43	1
13C-1,2,3,4,7,8-HxCDD	IS	105	32 - 141		30-Sep-20 22:43	1
13C-1,2,3,6,7,8-HxCDD	IS	104	28 - 130		30-Sep-20 22:43	1
13C-1,2,3,7,8,9-HxCDD	IS	103	32 - 141		30-Sep-20 22:43	1
13C-1,2,3,4,6,7,8-HpCDD	IS	93.7	23 - 140		30-Sep-20 22:43	1
13C-OCDD	IS	81.8	17 - 157		30-Sep-20 22:43	1
13C-2,3,7,8-TCDF	IS	105	24 - 169		30-Sep-20 22:43	1
13C-1,2,3,7,8-PeCDF	IS	101	24 - 185		30-Sep-20 22:43	1
13C-2,3,4,7,8-PeCDF	IS	103	21 - 178		30-Sep-20 22:43	1
13C-1,2,3,4,7,8-HxCDF	IS	97.9	26 - 152		30-Sep-20 22:43	1
13C-1,2,3,6,7,8-HxCDF	IS	97.5	26 - 123		30-Sep-20 22:43	1
13C-2,3,4,6,7,8-HxCDF	IS	97.1	28 - 136		30-Sep-20 22:43	1
13C-1,2,3,7,8,9-HxCDF	IS	96.3	29 - 147		30-Sep-20 22:43	1
13C-1,2,3,4,6,7,8-HpCDF	IS	95.1	28 - 143		30-Sep-20 22:43	1
13C-1,2,3,4,7,8,9-HpCDF	IS	96.0	26 - 138		30-Sep-20 22:43	1
13C-OCDF	IS	76.4	17 - 157		30-Sep-20 22:43	1
37Cl-2,3,7,8-TCDD	CRS	124	35 - 197		30-Sep-20 22:43	1

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

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

Client Data		Laboratory Data			
Name:	Anchor QEA, LLC	Lab Sample:	2002003-03	Date Received:	24-Sep-20 10:31
Project:	A0I0499	QC Batch:	B0I0193	Date Extracted:	25-Sep-20
Matrix:	Sediment	Sample Size:	10.2 g	Column:	ZB-DIOXIN
Date Collected:	26-Sep-19 08:54	% Solids:	64.1		

Analyte	Conc. (pg/g)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.178			30-Sep-20 23:29	1
1,2,3,7,8-PeCDD	ND	0.188			30-Sep-20 23:29	1
1,2,3,4,7,8-HxCDD	ND	0.292			30-Sep-20 23:29	1
1,2,3,6,7,8-HxCDD	0.548			J	30-Sep-20 23:29	1
1,2,3,7,8,9-HxCDD	ND		0.280		30-Sep-20 23:29	1
1,2,3,4,6,7,8-HpCDD	9.08				30-Sep-20 23:29	1
OCDD	118				30-Sep-20 23:29	1
2,3,7,8-TCDF	ND		0.220		30-Sep-20 23:29	1
1,2,3,7,8-PeCDF	ND	0.118			30-Sep-20 23:29	1
2,3,4,7,8-PeCDF	ND		0.688		30-Sep-20 23:29	1
1,2,3,4,7,8-HxCDF	0.421			J	30-Sep-20 23:29	1
1,2,3,6,7,8-HxCDF	1.55			J	30-Sep-20 23:29	1
2,3,4,6,7,8-HxCDF	ND		0.588		30-Sep-20 23:29	1
1,2,3,7,8,9-HxCDF	ND	0.242			30-Sep-20 23:29	1
1,2,3,4,6,7,8-HpCDF	8.60				30-Sep-20 23:29	1
1,2,3,4,7,8,9-HpCDF	ND	0.264			30-Sep-20 23:29	1
OCDF	5.74			J	30-Sep-20 23:29	1

Toxic Equivalent

TEQMinWHO2005Dioxin	0.466
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Totals

Total TCDD	ND	0.178	
Total PeCDD	ND	0.188	
Total HxCDD	2.74		4.66
Total HpCDD	23.6		
Total TCDF	3.54		4.12
Total PeCDF	6.36		8.11
Total HxCDF	12.8		13.4
Total HpCDF	17.2		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	96.2	25 - 164		30-Sep-20 23:29	1
13C-1,2,3,7,8-PeCDD	IS	95.9	25 - 181		30-Sep-20 23:29	1
13C-1,2,3,4,7,8-HxCDD	IS	102	32 - 141		30-Sep-20 23:29	1
13C-1,2,3,6,7,8-HxCDD	IS	97.9	28 - 130		30-Sep-20 23:29	1
13C-1,2,3,7,8,9-HxCDD	IS	97.9	32 - 141		30-Sep-20 23:29	1
13C-1,2,3,4,6,7,8-HpCDD	IS	91.2	23 - 140		30-Sep-20 23:29	1
13C-OCDD	IS	72.4	17 - 157		30-Sep-20 23:29	1
13C-2,3,7,8-TCDF	IS	99.2	24 - 169		30-Sep-20 23:29	1
13C-1,2,3,7,8-PeCDF	IS	98.6	24 - 185		30-Sep-20 23:29	1
13C-2,3,4,7,8-PeCDF	IS	93.3	21 - 178		30-Sep-20 23:29	1
13C-1,2,3,4,7,8-HxCDF	IS	93.1	26 - 152		30-Sep-20 23:29	1
13C-1,2,3,6,7,8-HxCDF	IS	91.2	26 - 123		30-Sep-20 23:29	1
13C-2,3,4,6,7,8-HxCDF	IS	89.0	28 - 136		30-Sep-20 23:29	1
13C-1,2,3,7,8,9-HxCDF	IS	92.0	29 - 147		30-Sep-20 23:29	1
13C-1,2,3,4,6,7,8-HpCDF	IS	87.9	28 - 143		30-Sep-20 23:29	1
13C-1,2,3,4,7,8,9-HpCDF	IS	89.5	26 - 138		30-Sep-20 23:29	1
13C-OCDF	IS	68.1	17 - 157		30-Sep-20 23:29	1
37Cl-2,3,7,8-TCDD	CRS	113	35 - 197		30-Sep-20 23:29	1

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

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

Client Data		Laboratory Data			
Name:	Anchor QEA, LLC	Lab Sample:	2002003-04	Date Received:	24-Sep-20 10:31
Project:	A0I0499	QC Batch:	B0I0193	Date Extracted:	25-Sep-20
Matrix:	Sediment	Sample Size:	11.5 g	Column:	ZB-DIOXIN
Date Collected:	26-Sep-19 08:54	% Solids:	67.4		

Analyte	Conc. (pg/g)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.140			01-Oct-20 00:15	1
1,2,3,7,8-PeCDD	ND	0.180			01-Oct-20 00:15	1
1,2,3,4,7,8-HxCDD	ND	0.191			01-Oct-20 00:15	1
1,2,3,6,7,8-HxCDD	0.583			J	01-Oct-20 00:15	1
1,2,3,7,8,9-HxCDD	0.339			J	01-Oct-20 00:15	1
1,2,3,4,6,7,8-HpCDD	9.30				01-Oct-20 00:15	1
OCDD	189				01-Oct-20 00:15	1
2,3,7,8-TCDF	ND		0.238		01-Oct-20 00:15	1
1,2,3,7,8-PeCDF	ND	0.148			01-Oct-20 00:15	1
2,3,4,7,8-PeCDF	ND		0.883		01-Oct-20 00:15	1
1,2,3,4,7,8-HxCDF	0.516			J	01-Oct-20 00:15	1
1,2,3,6,7,8-HxCDF	1.09			J	01-Oct-20 00:15	1
2,3,4,6,7,8-HxCDF	0.872			J	01-Oct-20 00:15	1
1,2,3,7,8,9-HxCDF	0.348			J	01-Oct-20 00:15	1
1,2,3,4,6,7,8-HpCDF	14.7				01-Oct-20 00:15	1
1,2,3,4,7,8,9-HpCDF	0.332			J	01-Oct-20 00:15	1
OCDF	6.79				01-Oct-20 00:15	1

Toxic Equivalent

TEQMinWHO2005Dioxin	0.677
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Totals

Total TCDD	ND	0.140				
Total PeCDD	0.510					
Total HxCDD	2.88		3.94			
Total HpCDD	23.9					
Total TCDF	4.41		4.84			
Total PeCDF	9.53		10.4			
Total HxCDF	16.9					
Total HpCDF	28.6					

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	96.3	25 - 164		01-Oct-20 00:15	1
13C-1,2,3,7,8-PeCDD	IS	91.2	25 - 181		01-Oct-20 00:15	1
13C-1,2,3,4,7,8-HxCDD	IS	84.8	32 - 141		01-Oct-20 00:15	1
13C-1,2,3,6,7,8-HxCDD	IS	82.1	28 - 130		01-Oct-20 00:15	1
13C-1,2,3,7,8,9-HxCDD	IS	80.2	32 - 141		01-Oct-20 00:15	1
13C-1,2,3,4,6,7,8-HpCDD	IS	68.5	23 - 140		01-Oct-20 00:15	1
13C-OCDD	IS	42.6	17 - 157		01-Oct-20 00:15	1
13C-2,3,7,8-TCDF	IS	90.2	24 - 169		01-Oct-20 00:15	1
13C-1,2,3,7,8-PeCDF	IS	85.8	24 - 185		01-Oct-20 00:15	1
13C-2,3,4,7,8-PeCDF	IS	82.3	21 - 178		01-Oct-20 00:15	1
13C-1,2,3,4,7,8-HxCDF	IS	79.2	26 - 152		01-Oct-20 00:15	1
13C-1,2,3,6,7,8-HxCDF	IS	77.6	26 - 123		01-Oct-20 00:15	1
13C-2,3,4,6,7,8-HxCDF	IS	71.2	28 - 136		01-Oct-20 00:15	1
13C-1,2,3,7,8,9-HxCDF	IS	77.7	29 - 147		01-Oct-20 00:15	1
13C-1,2,3,4,6,7,8-HpCDF	IS	65.4	28 - 143		01-Oct-20 00:15	1
13C-1,2,3,4,7,8,9-HpCDF	IS	63.7	26 - 138		01-Oct-20 00:15	1
13C-OCDF	IS	41.6	17 - 157		01-Oct-20 00:15	1
37Cl-2,3,7,8-TCDD	CRS	116	35 - 197		01-Oct-20 00:15	1

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

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

Client Data		Laboratory Data			
Name:	Anchor QEA, LLC	Lab Sample:	2002003-05	Date Received:	24-Sep-20 10:31
Project:	A0I0499	QC Batch:	B0I0193	Date Extracted:	25-Sep-20
Matrix:	Sediment	Sample Size:	10.1 g	Column:	ZB-DIOXIN
Date Collected:	26-Sep-19 08:54	% Solids:	70.5		

Analyte	Conc. (pg/g)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.121			01-Oct-20 01:01	1
1,2,3,7,8-PeCDD	ND	0.211			01-Oct-20 01:01	1
1,2,3,4,7,8-HxCDD	ND	0.161			01-Oct-20 01:01	1
1,2,3,6,7,8-HxCDD	0.593			J	01-Oct-20 01:01	1
1,2,3,7,8,9-HxCDD	0.258			J	01-Oct-20 01:01	1
1,2,3,4,6,7,8-HpCDD	10.7				01-Oct-20 01:01	1
OCDD	166				01-Oct-20 01:01	1
2,3,7,8-TCDF	ND		0.204		01-Oct-20 01:01	1
1,2,3,7,8-PeCDF	ND	0.142			01-Oct-20 01:01	1
2,3,4,7,8-PeCDF	1.11			J	01-Oct-20 01:01	1
1,2,3,4,7,8-HxCDF	0.555			J	01-Oct-20 01:01	1
1,2,3,6,7,8-HxCDF	2.60			J	01-Oct-20 01:01	1
2,3,4,6,7,8-HxCDF	1.07			J	01-Oct-20 01:01	1
1,2,3,7,8,9-HxCDF	ND	0.240			01-Oct-20 01:01	1
1,2,3,4,6,7,8-HpCDF	18.3				01-Oct-20 01:01	1
1,2,3,4,7,8,9-HpCDF	ND		0.245		01-Oct-20 01:01	1
OCDF	6.61			J	01-Oct-20 01:01	1

Toxic Equivalent

TEQMinWHO2005Dioxin	1.18
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Totals

Total TCDD	ND	0.121				
Total PeCDD	0.573					
Total HxCDD	4.40		4.68			
Total HpCDD	29.6					
Total TCDF	4.05		4.50			
Total PeCDF	9.98		10.3			
Total HxCDF	21.5					
Total HpCDF	34.0		34.3			

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	101	25 - 164		01-Oct-20 01:01	1
13C-1,2,3,7,8-PeCDD	IS	96.6	25 - 181		01-Oct-20 01:01	1
13C-1,2,3,4,7,8-HxCDD	IS	102	32 - 141		01-Oct-20 01:01	1
13C-1,2,3,6,7,8-HxCDD	IS	97.9	28 - 130		01-Oct-20 01:01	1
13C-1,2,3,7,8,9-HxCDD	IS	98.0	32 - 141		01-Oct-20 01:01	1
13C-1,2,3,4,6,7,8-HpCDD	IS	92.2	23 - 140		01-Oct-20 01:01	1
13C-OCDD	IS	71.1	17 - 157		01-Oct-20 01:01	1
13C-2,3,7,8-TCDF	IS	103	24 - 169		01-Oct-20 01:01	1
13C-1,2,3,7,8-PeCDF	IS	97.6	24 - 185		01-Oct-20 01:01	1
13C-2,3,4,7,8-PeCDF	IS	97.2	21 - 178		01-Oct-20 01:01	1
13C-1,2,3,4,7,8-HxCDF	IS	92.7	26 - 152		01-Oct-20 01:01	1
13C-1,2,3,6,7,8-HxCDF	IS	90.2	26 - 123		01-Oct-20 01:01	1
13C-2,3,4,6,7,8-HxCDF	IS	89.2	28 - 136		01-Oct-20 01:01	1
13C-1,2,3,7,8,9-HxCDF	IS	94.6	29 - 147		01-Oct-20 01:01	1
13C-1,2,3,4,6,7,8-HpCDF	IS	84.5	28 - 143		01-Oct-20 01:01	1
13C-1,2,3,4,7,8,9-HpCDF	IS	88.0	26 - 138		01-Oct-20 01:01	1
13C-OCDF	IS	69.0	17 - 157		01-Oct-20 01:01	1
37Cl-2,3,7,8-TCDD	CRS	120	35 - 197		01-Oct-20 01:01	1

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

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

Client Data		Laboratory Data			
Name:	Anchor QEA, LLC	Lab Sample:	2002003-06	Date Received:	24-Sep-20 10:31
Project:	A0I0499	QC Batch:	B0I0193	Date Extracted:	25-Sep-20
Matrix:	Sediment	Sample Size:	10.3 g	Column:	ZB-DIOXIN
Date Collected:	26-Sep-19 08:54	% Solids:	74.7		

Analyte	Conc. (pg/g)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.136			01-Oct-20 01:46	1
1,2,3,7,8-PeCDD	0.748			J	01-Oct-20 01:46	1
1,2,3,4,7,8-HxCDD	0.601			J	01-Oct-20 01:46	1
1,2,3,6,7,8-HxCDD	4.37				01-Oct-20 01:46	1
1,2,3,7,8,9-HxCDD	1.51			J	01-Oct-20 01:46	1
1,2,3,4,6,7,8-HpCDD	95.4				01-Oct-20 01:46	1
OCDD	1680				01-Oct-20 01:46	1
2,3,7,8-TCDF	ND		0.511		01-Oct-20 01:46	1
1,2,3,7,8-PeCDF	0.602			J	01-Oct-20 01:46	1
2,3,4,7,8-PeCDF	5.25				01-Oct-20 01:46	1
1,2,3,4,7,8-HxCDF	3.77				01-Oct-20 01:46	1
1,2,3,6,7,8-HxCDF	7.56				01-Oct-20 01:46	1
2,3,4,6,7,8-HxCDF	5.80				01-Oct-20 01:46	1
1,2,3,7,8,9-HxCDF	0.806			J	01-Oct-20 01:46	1
1,2,3,4,6,7,8-HpCDF	223				01-Oct-20 01:46	1
1,2,3,4,7,8,9-HpCDF	2.22			J	01-Oct-20 01:46	1
OCDF	112				01-Oct-20 01:46	1

Toxic Equivalent

TEQMinWHO2005Dioxin	8.53
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Totals

Total TCDD	1.74	2.58
Total PeCDD	7.45	
Total HxCDD	33.1	33.4
Total HpCDD	231	
Total TCDF	23.2	24.9
Total PeCDF	62.7	63.0
Total HxCDF	165	
Total HpCDF	406	

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	103	25 - 164		01-Oct-20 01:46	1
13C-1,2,3,7,8-PeCDD	IS	106	25 - 181		01-Oct-20 01:46	1
13C-1,2,3,4,7,8-HxCDD	IS	109	32 - 141		01-Oct-20 01:46	1
13C-1,2,3,6,7,8-HxCDD	IS	106	28 - 130		01-Oct-20 01:46	1
13C-1,2,3,7,8,9-HxCDD	IS	106	32 - 141		01-Oct-20 01:46	1
13C-1,2,3,4,6,7,8-HpCDD	IS	96.8	23 - 140		01-Oct-20 01:46	1
13C-OCDD	IS	84.3	17 - 157		01-Oct-20 01:46	1
13C-2,3,7,8-TCDF	IS	104	24 - 169		01-Oct-20 01:46	1
13C-1,2,3,7,8-PeCDF	IS	102	24 - 185		01-Oct-20 01:46	1
13C-2,3,4,7,8-PeCDF	IS	102	21 - 178		01-Oct-20 01:46	1
13C-1,2,3,4,7,8-HxCDF	IS	99.9	26 - 152		01-Oct-20 01:46	1
13C-1,2,3,6,7,8-HxCDF	IS	99.0	26 - 123		01-Oct-20 01:46	1
13C-2,3,4,6,7,8-HxCDF	IS	96.8	28 - 136		01-Oct-20 01:46	1
13C-1,2,3,7,8,9-HxCDF	IS	99.5	29 - 147		01-Oct-20 01:46	1
13C-1,2,3,4,6,7,8-HpCDF	IS	91.5	28 - 143		01-Oct-20 01:46	1
13C-1,2,3,4,7,8,9-HpCDF	IS	93.9	26 - 138		01-Oct-20 01:46	1
13C-OCDF	IS	78.0	17 - 157		01-Oct-20 01:46	1
37Cl-2,3,7,8-TCDD	CRS	120	35 - 197		01-Oct-20 01:46	1

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

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

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)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	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

8

SUBCONTRACT ORDER

Apex Laboratories

AB gksw

A0I0499

2002003 1.0°C

*
Sample Name: PDI-083SC-B-10-12-191022 **Sedimen** **Sampled:** 10/22/19 14:07 **Composited -19, -20 into -21** (A0I0499-21)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	10/13/20 17:00	04/19/20 14:07	
<i>Containers Supplied:</i> (B)4 oz Glass Jar			

*
Sample Name: PDI-083SC-A-14-15-191022 **Sedimen** **Sampled:** 10/22/19 14:07 **Relogged From A9J0861-30** (A0I0499-22)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	10/13/20 17:00	04/19/20 14:07	
<i>Containers Supplied:</i> (C)4 oz Glass Jar			

Sample Name: PDI-018SC-A-00-01-190926 **Sedimen** **Sampled:** 09/26/19 08:54 **Relogged From A9I0890-11** (A0I0499-23)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	10/13/20 17:00	03/24/20 08:54	
<i>Containers Supplied:</i> (C)4 oz Glass Jar			

Sample Name: PDI-018SC-A-01-02-190926 **Sedimen** **Sampled:** 09/26/19 08:54 **Relogged From A9I0890-12** (A0I0499-24)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	10/13/20 17:00	03/24/20 08:54	
<i>Containers Supplied:</i> (C)4 oz Glass Jar			


Sample Name: PDI-018SC-A-02-03-190926 **Sedimen** **Sampled:** 09/26/19 08:54 **Relogged From A9I0890-13** (A0I0499-25)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	10/13/20 17:00	03/24/20 08:54	
<i>Containers Supplied:</i> (C)4 oz Glass Jar			

Sample Name: PDI-018SC-A-03-04-190926 **Sedimen** **Sampled:** 09/26/19 08:54 **Relogged From A9I0890-14** (A0I0499-26)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	10/13/20 17:00	03/24/20 08:54	
<i>Containers Supplied:</i> (C)4 oz Glass Jar			

Standard TAT * WO # 2002006

Released By	Date	Received By	Date
	9/23/20	Fed Ex (Shipper)	
Released By	Date	Received By	Date
Fed Ex (Shipper)		William R Wright	09/24/20 10:31

8

SUBCONTRACT ORDER

Apex Laboratories

As per ho A0I0499

2002003

Sample Name: PDI-018SC-A-04-05-190926	Sedimen	Sampled: 09/26/19 08:54	Relogged From A9I0890-15 (A0I0499-27)
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Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB) <i>Containers Supplied:</i> (C)4 oz Glass Jar	10/13/20 17:00	03/24/20 08:54	

Sample Name: PDI-018SC-A-05-06-190926	Sedimen	Sampled: 09/26/19 08:54	Relogged From A9I0890-16 (A0I0499-28)
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Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB) <i>Containers Supplied:</i> (C)4 oz Glass Jar	10/13/20 17:00	03/24/20 08:54	

Standard TAT

<i>[Signature]</i>	9/23/20	Fed Ex (Shipper)	
Released By	Date	Received By	Date
Fed Ex (Shipper)		<i>William R. Wight</i>	09/24/20 10:31
Released By	Date	Received By	Date

Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: 2002003 TAT RUSH

Samples Arrival:	Date/Time <u>09/24/20 10:31</u>		Initials: <u>Wew</u>		Location: <u>WR-2</u>		
	Shelf/Rack: <u>NA</u>						
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac	<input type="checkbox"/> GLS	<input type="checkbox"/> DHL	<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice		<input type="checkbox"/> Techni Ice	<input type="checkbox"/> Dry Ice	<input type="checkbox"/> None	
Temp °C: <u>1.0</u>	(uncorrected)	Probe used: Y <input checked="" type="checkbox"/> N			Thermometer ID: <u>IR-3</u>		
Temp °C: <u>1.0</u>	(corrected)						

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Airbill <u>-</u>	Trk # <u>7716 1152 1280</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	
Chain of Custody / Sample Documentation Present?	<input 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 <u>09/24/20 1204</u>		Initials: <u>WJB</u>		Location: <u>WR-2</u>			
	Shelf/Rack: <u>D7</u>							
COC Anomaly/Sample Acceptance Form completed?						<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

 Comments: NA

CoC/Label Reconciliation Report WO# 2002003

LabNumber	CoC Sample ID		SampleAlias	Sample Date/Time		Container	BaseMatrix	Sample Comments
2002003-01	A PDI-018SC-A-00-01-190926	<input checked="" type="checkbox"/>	A0I0499-23	26-Sep-19 08:54	<input checked="" type="checkbox"/>	Clear Glass Jar, 120mL	Solid	
2002003-02	A PDI-018SC-A-01-02-190926	<input checked="" type="checkbox"/>	A0I0499-24	26-Sep-19 08:54	<input checked="" type="checkbox"/>	Clear Glass Jar, 120mL	Solid	
2002003-03	A PDI-018SC-A-02-03-190926	<input checked="" type="checkbox"/>	A0I0499-25	26-Sep-19 08:54	<input checked="" type="checkbox"/>	Clear Glass Jar, 120mL	Solid	
2002003-04	A PDI-018SC-A-03-04-190926	<input checked="" type="checkbox"/>	A0I0499-26	26-Sep-19 08:54	<input checked="" type="checkbox"/>	Clear Glass Jar, 120mL	Solid	
2002003-05	A PDI-018SC-A-04-05-190926	<input checked="" type="checkbox"/>	A0I0499-27	26-Sep-19 08:54	<input checked="" type="checkbox"/>	Clear Glass Jar, 120mL	Solid	
2002003-06	A PDI-018SC-A-05-06-190926	<input checked="" type="checkbox"/>	A0I0499-28	26-Sep-19 08:54	<input checked="" type="checkbox"/>	Clear Glass Jar, 120mL	Solid	

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

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

Verified by/Date: MSB 09/24/20

EXTRACTION INFORMATION

Process Sheet
 Workorder: **2002003**

RUSH!

Prep Expiration: 2020-09-25

Client: Anchor QEA, LLC

Workorder Due: 05-Oct-20 00:00

TAT: 11

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

Prep Batch: BOI0193

Prep Data Entered: IM 09/29/20
Date and Initials

Initial Sequence: SOI0090

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2002003-01	<input checked="" type="checkbox"/>	PDI-018SC-A-00-01-190926	24-Sep-20 10:31	WR-2 D-7	
2002003-02	<input checked="" type="checkbox"/>	PDI-018SC-A-01-02-190926	24-Sep-20 10:31	WR-2 D-7	
2002003-03	<input checked="" type="checkbox"/>	PDI-018SC-A-02-03-190926	24-Sep-20 10:31	WR-2 D-7	
2002003-04	<input checked="" type="checkbox"/>	PDI-018SC-A-03-04-190926	24-Sep-20 10:31	WR-2 D-7	
2002003-05	<input checked="" type="checkbox"/>	PDI-018SC-A-04-05-190926	24-Sep-20 10:31	WR-2 D-7	
2002003-06	<input checked="" type="checkbox"/>	PDI-018SC-A-05-06-190926	24-Sep-20 10:31	WR-2 D-7	

WO Comments: Dioxin - 10g (dry weight)

Pre-Prep Check Out: DG 09/25/20
 Pre-Prep Check In: RR 09/25/20

Prep Check Out: DG 09/25/20
 Prep Check In: RR 09/25/20

Prep Reconciled Initials/Date: DG 09/25/20
 Spike Reconciled Initials/Date: RR 09/25/20
 VialBoxID: SPOOKY

PREPARATION BENCH SHEET

Matrix: Solid

B0I0193

Chemist: PR

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 25-Sep-20 10:33

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	Florisol CHEM/ DATE	RS CHEM/WIT DATE
	B0I0193-BLK1	N/A	(10.00)	RR ME 09/25/20	EM 09/27/20	N/A	EM 09/27/20	EM 09/27/20	IM 09/28/20	IM EM 09/28/20
	B0I0193-BS1	↓	(10.00)							
	2002003-01	11.83	10.15				YELLOW/BLACK			
	2002003-02	11.92	11.65							
	2002003-03 (A)	15.59	10.16							
	2002003-04	14.84	11.50							
	2002003-05	14.19	10.00							
	2002003-06 ↓	13.38	10.33							

(A) Residue formed on sides of roundbottom after exchanging 2x w/ hexane. was unable to transfer all of this residue to ABSG column EM 09/27/20

IS: <u>20F1101, 10mL</u> (V5)	Cycle Time	APP: SEFUN (SOX) SDS	Check Out: <u>DG 09/25/20</u>	Soxhlet Siphoned Chemist/Date: <u>PR 09/25/20</u>	Notes:
NS: <u>20F0107, 10mL</u> (V5)	Start Date/Time <u>09/25/20 18:07</u>	SOLV: <u>Toluene</u>	Check In: <u>PR 09/25/20</u>	Vial Transfer Chemist/Date: <u>IM 09/28/20</u>	
PS/CRS: <u>20E0701, 10mL</u> (V3)	Stop Date/Time <u>09/26/20 11:00</u>	Other: <u>NA</u>	Balance ID: <u>HRMS-8</u>		
RS: <u>20E0702, 10mL</u> (V2)	Final Volume(s) <u>C14 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: B0I0193

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2002003-01	10.15 ✓	84.53159	8.5800	20 ✓	25-Sep-20 10:33 ✓	RR ✓			Sediment	1613 Full List
2002003-02	11.65 ✓	83.91608	9.7762	20	25-Sep-20 10:33	RR			Sediment	1613 Full List
2002003-03	10.16 ✓	64.12777	6.5154	20	25-Sep-20 10:33	RR			Sediment	1613 Full List
2002003-04	11.5 ✓	67.40088	7.7511	20	25-Sep-20 10:33	RR			Sediment	1613 Full List
2002003-05	10.06 ✓	70.47244	7.0895	20	25-Sep-20 10:33	RR			Sediment	1613 Full List
2002003-06	10.33 ✓	74.74332	7.7210	20	25-Sep-20 10:33	RR			Sediment	1613 Full List
B0I0193-BLK1	10 ✓			20	25-Sep-20 10:33	RR				QC
B0I0193-BS1	10 ✓			20	25-Sep-20 10:33	RR	20F0107 ✓	10 ✓		QC

All bolded data on report verified against written benchsheet by (initial/date) IM 09/29/20

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0I0192

Analyst: DG	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) IM 09/29/20
Analyte:	Units: %	
Oven ID: 01 02		

Inst HRMS-9 ✓
 Date/Time IN: 09/25/20 1108
 Date/Time OUT: 09/29/20 0605

B		C	D	E		F	G	H		I	K		L	M	N	O	P
Particle Size	SampID		Samp Type	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	DG 09/25/20 ✓		
				Pan Tare Wt. (gms)	IM 09/29/20 ✓												
	2002003-01	A ✓	Sample	1.2800 ✓	5.8700 ✓	5.1600 ✓	3.8800	84.53	SOIL ✓	N/A	N/A	N/A	N/A	N/A	X ✓		
	2002003-02	A ✓	Sample	1.2800 ✓	5.5700 ✓	4.8800 ✓	3.6000	83.92	SOIL ✓	N/A	N/A	N/A	N/A	N/A	X ✓		
	2002003-03	A ✓	Sample	1.2800 ✓	5.3500 ✓	3.8900 ✓	2.6100	64.13	SOIL ✓	N/A	N/A	N/A	N/A	N/A	X ✓		
	2002003-04	A ✓	Sample	1.2800 ✓	5.8200 ✓	4.3400 ✓	3.0600	67.40	SOIL ✓	N/A	N/A	N/A	N/A	N/A	X ✓		
	2002003-05	A ✓	Sample	1.2900 ✓	6.3700 ✓	4.8700 ✓	3.5800	70.47	SOIL ✓	N/A	N/A	N/A	N/A	N/A	X ✓		
	2002003-06	A ✓	Sample	1.2900 ✓	6.1600 ✓	4.9300 ✓	3.6400	74.74	SOIL ✓	N/A	N/A	N/A	N/A	N/A	X ✓		

*Sample homogenized in sample container unless otherwise noted.

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

Last Altered: Thursday, October 01, 2020 11:37:51 Pacific Daylight Time
Printed: Thursday, October 01, 2020 11:41:06 Pacific Daylight Time

DB 10/1/20 *CT 10/08/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B010193-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	1.00	10.000	25.821		1.001				0.0925	
2	2 1,2,3,7,8-PeCDD			NO	0.935	10.000	30.166		1.001				0.103	
3	3 1,2,3,4,7,8-HxCDD			NO	1.15	10.000	33.393		1.000				0.0979	
4	4 1,2,3,6,7,8-HxCDD			NO	1.02	10.000	33.503		1.000				0.100	
5	5 1,2,3,7,8,9-HxCDD			NO	1.06	10.000	33.823		1.001				0.104	
6	6 1,2,3,4,6,7,8-HpCDD			NO	1.00	10.000	37.190		1.000				0.135	
7	7 OCDD			NO	0.952	10.000	40.372		1.000				0.215	
8	8 2,3,7,8-TCDF	2.00e2	1.16	YES	1.01	10.000	25.158	25.12	1.001	0.999	0.11060		0.0278	0.0905
9	9 1,2,3,7,8-PeCDF			NO	0.998	10.000	29.018		1.001				0.0726	
10	10 2,3,4,7,8-PeCDF			NO	1.07	10.000	29.974		1.001				0.0641	
11	11 1,2,3,4,7,8-HxCDF			NO	1.05	10.000	32.494		1.000				0.102	
12	12 1,2,3,6,7,8-HxCDF			NO	1.10	10.000	32.635		1.000				0.0974	
13	13 2,3,4,6,7,8-HxCDF			NO	1.09	10.000	33.306		1.001				0.109	
14	14 1,2,3,7,8,9-HxCDF	1.68e2	0.99	YES	1.08	10.000	34.271	34.29	1.000	1.001	0.16614		0.0787	0.150
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.13	10.000	35.953		1.001				0.155	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.29	10.000	37.827		1.000				0.152	
17	17 OCDF			NO	0.953	10.000	40.680		1.000				0.204	
18	18 13C-2,3,7,8-TCDD	2.38e5	0.78	NO	1.17	10.000	25.771	25.79	1.026	1.027	200.93	100	0.471	
19	19 13C-1,2,3,7,8-PeCDD	1.84e5	0.62	NO	0.914	10.000	29.956	30.15	1.193	1.200	199.69	99.8	0.314	
20	20 13C-1,2,3,4,7,8-HxCDD	1.49e5	1.29	NO	0.634	10.000	33.383	33.38	1.014	1.014	201.80	101	0.715	
21	21 13C-1,2,3,6,7,8-HxCDD	1.66e5	1.26	NO	0.724	10.000	33.492	33.50	1.017	1.018	196.83	98.4	0.626	
22	22 13C-1,2,3,7,8,9-HxCDD	1.68e5	1.32	NO	0.716	10.000	33.758	33.79	1.025	1.026	201.99	101	0.633	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.45e5	1.04	NO	0.660	10.000	37.169	37.18	1.129	1.129	188.33	94.2	1.00	
24	24 13C-OCDD	2.28e5	0.88	NO	0.587	10.000	40.145	40.37	1.219	1.226	333.66	83.4	0.576	
25	25 13C-2,3,7,8-TCDF	3.58e5	0.73	NO	1.02	10.000	24.867	25.13	0.990	1.001	192.66	96.3	0.443	
26	26 13C-1,2,3,7,8-PeCDF	2.94e5	1.57	NO	0.842	10.000	29.029	29.00	1.156	1.154	192.33	96.2	0.789	
27	27 13C-2,3,4,7,8-PeCDF	2.70e5	1.63	NO	0.802	10.000	29.916	29.94	1.191	1.192	185.56	92.8	0.828	
28	28 13C-1,2,3,4,7,8-HxCDF	2.20e5	0.52	NO	1.00	10.000	32.527	32.49	0.988	0.987	188.23	94.1	0.831	
29	29 13C-1,2,3,6,7,8-HxCDF	2.25e5	0.53	NO	1.02	10.000	32.659	32.63	0.992	0.991	189.85	94.9	0.818	
30	30 13C-2,3,4,6,7,8-HxCDF	2.08e5	0.53	NO	0.955	10.000	33.222	33.27	1.009	1.011	187.07	93.5	0.873	
31	31 13C-1,2,3,7,8,9-HxCDF	1.87e5	0.50	NO	0.851	10.000	34.285	34.27	1.041	1.041	188.39	94.2	0.979	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

Last Altered: Thursday, October 01, 2020 11:37:51 Pacific Daylight Time
Printed: Thursday, October 01, 2020 11:41:06 Pacific Daylight Time

Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B010193-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	1.78e5	0.43	NO	0.848	10.000	35.786	35.92	1.087	1.091	179.68	89.8	0.883	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.36e5	0.44	NO	0.624	10.000	37.762	37.83	1.147	1.149	187.14	93.6	1.20	
34	34 13C-OCDF	2.58e5	0.90	NO	0.730	10.000	40.297	40.68	1.224	1.236	303.87	76.0	0.415	
35	35 37Cl-2,3,7,8-TCDD	1.15e5			1.21	10.000	25.769	25.81	1.026	1.027	94.464	118	0.111	
36	36 13C-1,2,3,4-TCDD	2.02e5	0.79	NO	1.00	10.000	25.260	25.12	1.000	1.000	200.00	100	0.552	
37	37 13C-1,2,3,4-TCDF	3.63e5	0.77	NO	1.00	10.000	23.930	23.77	1.000	1.000	200.00	100	0.453	
38	38 13C-1,2,3,4,6,9-HxCDF	2.33e5	0.52	NO	1.00	10.000	32.990	32.92	1.000	1.000	200.00	100	0.834	
39	39 Total Tetra-Dioxins				1.00	10.000	24.620		0.000				0.0598	
40	40 Total Penta-Dioxins				0.935	10.000	29.960		0.000				0.0541	
41	41 Total Hexa-Dioxins				1.02	10.000	33.635		0.000				0.0598	
42	42 Total Hepta-Dioxins				1.00	10.000	37.640		0.000				0.0710	
43	43 Total Tetra-Furans				1.01	10.000	23.610		0.000		0.00000		0.0278	0.0905
44	44 1st Func. Penta-Furans				0.998	10.000	26.750		0.000				0.0179	
45	45 Total Penta-Furans				0.998	10.000	29.275		0.000				0.0291	
46	46 Total Hexa-Furans				1.09	10.000	33.555		0.000		0.00000		0.0610	0.150
47	47 Total Hepta-Furans				1.13	10.000	37.835		0.000				0.0824	

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

Last Altered: Thursday, October 01, 2020 11:37:51 Pacific Daylight Time

Printed: Thursday, October 01, 2020 11:41:06 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B0I0193-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	2,3,7,8-TCDF	25.12	1.718e3	1.443e3	1.078e2	9.269e1	1.16	YES	2.004e2	0.00000	0.090522	0.0278

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\200930D2\200930D2_12.qld

Last Altered: Thursday, October 01, 2020 11:37:51 Pacific Daylight Time

Printed: Thursday, October 01, 2020 11:41:06 Pacific Daylight Time

Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B0I0193-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

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

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8,9-HxCDF	34.29	1.654e3	9.370e2	8.365e1	8.414e1	0.99	YES	1.678e2	0.00000	0.14962	0.0757

Hepta-Furans

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

-8

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

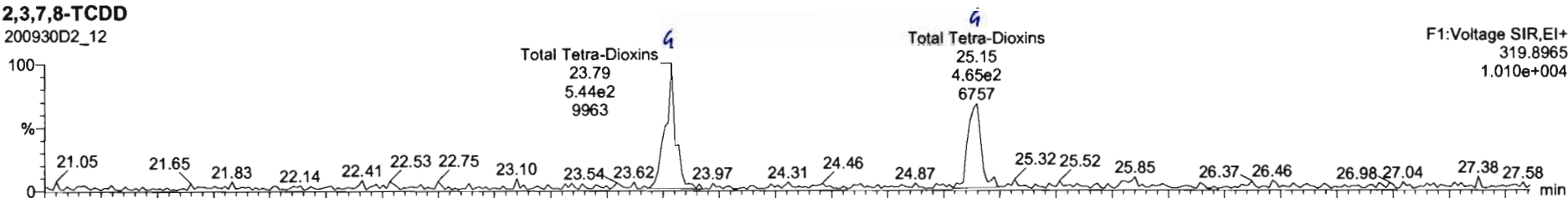
Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

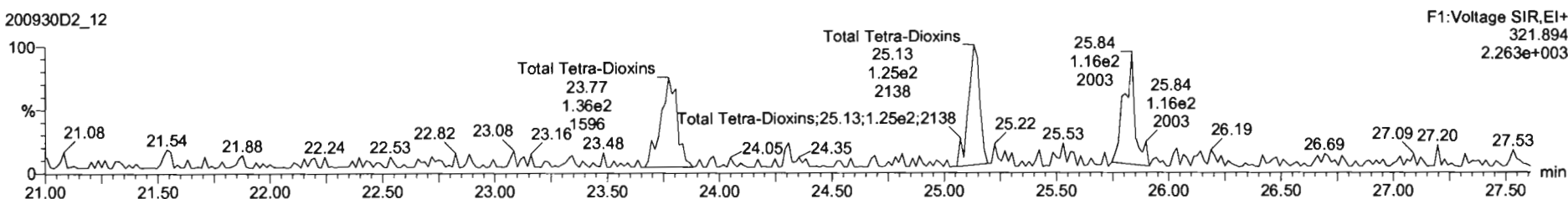
Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B0I0193-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDD

200930D2_12

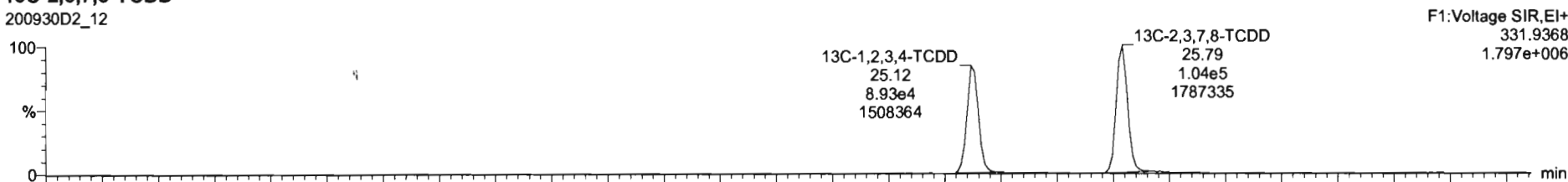


200930D2_12

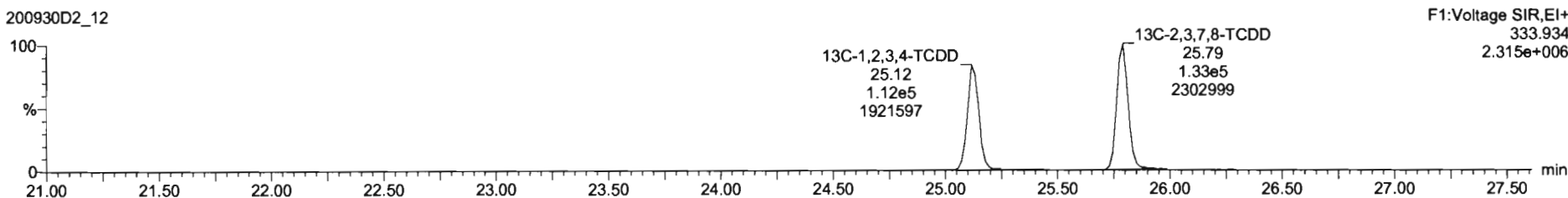


13C-2,3,7,8-TCDD

200930D2_12



200930D2_12

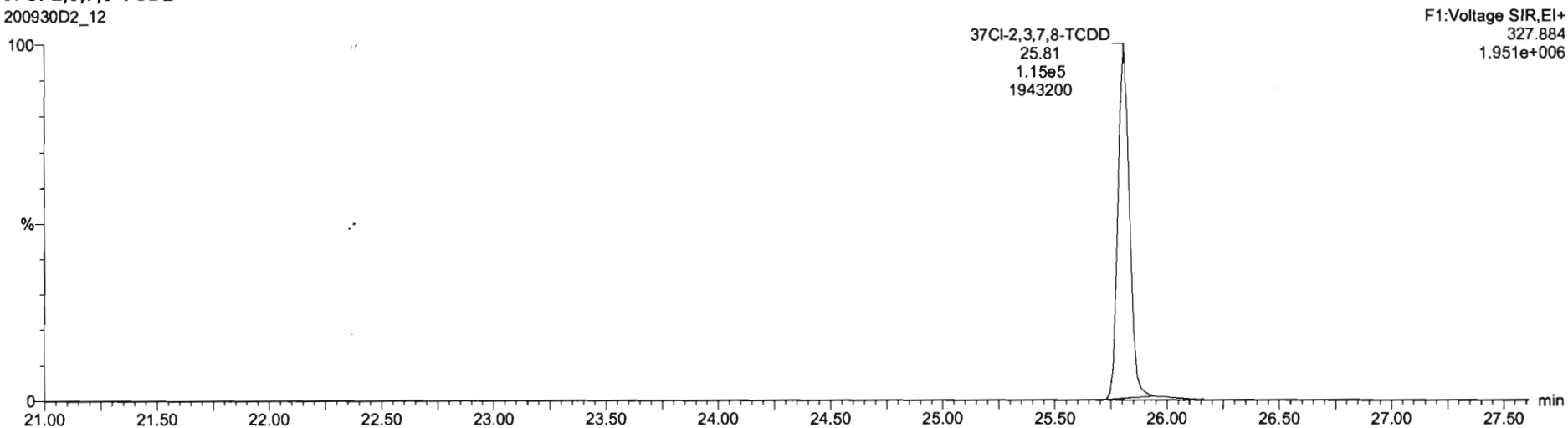


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

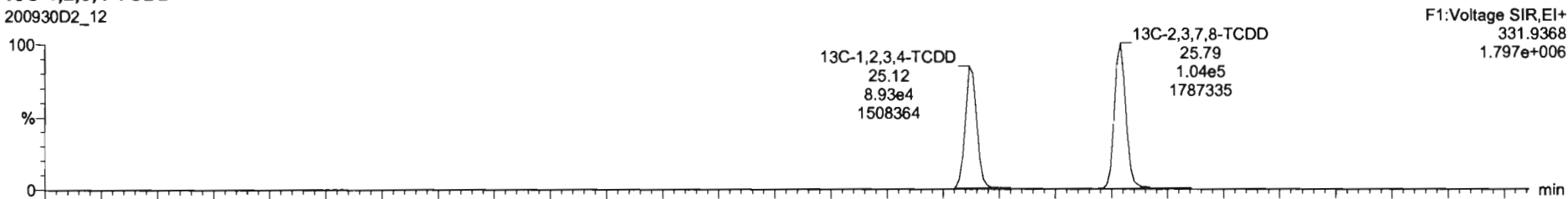
Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B0I0193-BLK1 Method Blank 10, Description: Method Blank

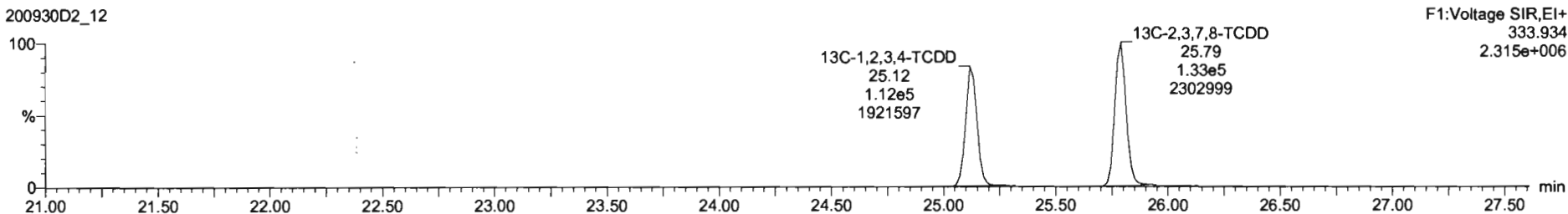
37Cl-2,3,7,8-TCDD
200930D2_12



13C-1,2,3,4-TCDD
200930D2_12



200930D2_12



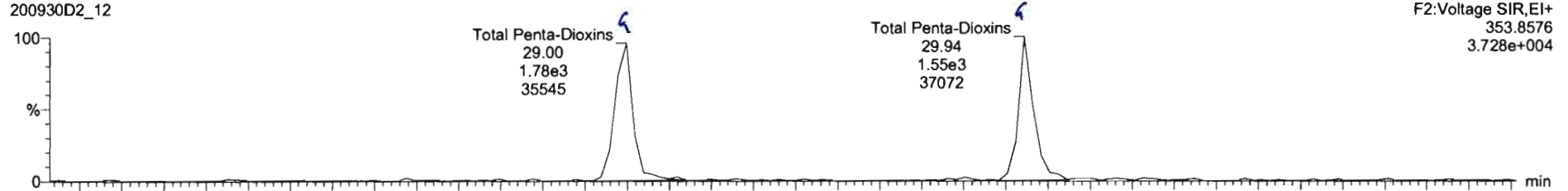
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

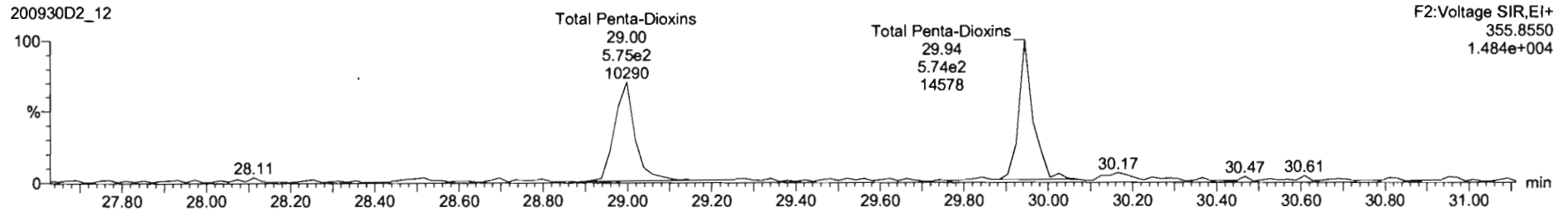
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1,2,3,7,8-PeCDD

200930D2_12

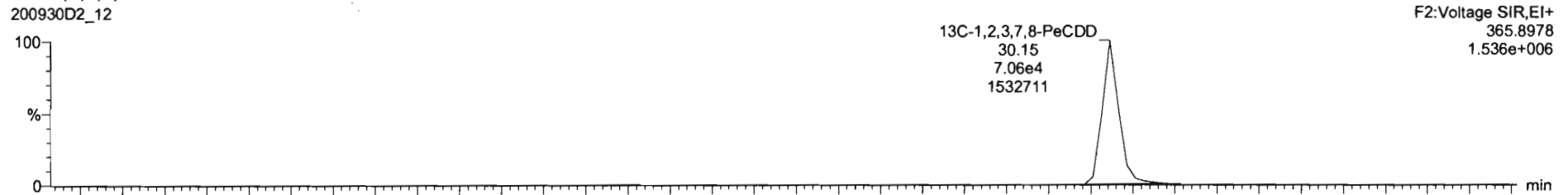


200930D2_12

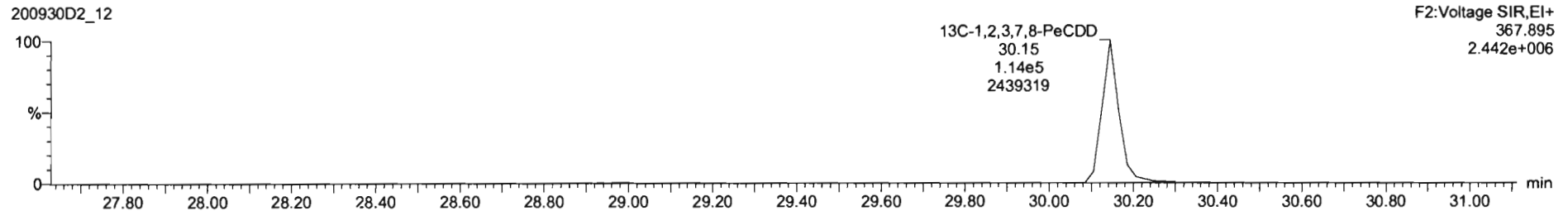


13C-1,2,3,7,8-PeCDD

200930D2_12



200930D2_12



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

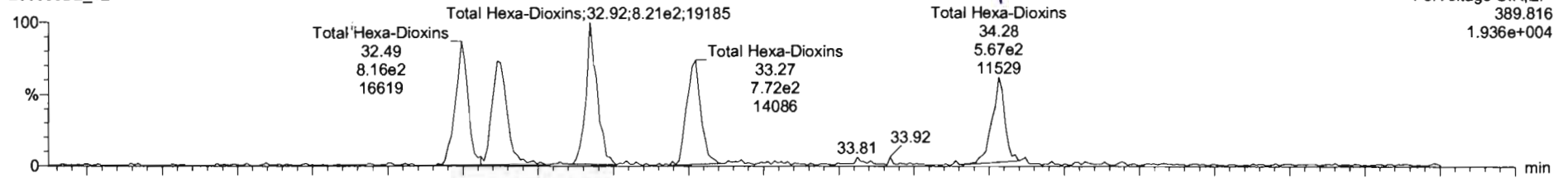
Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

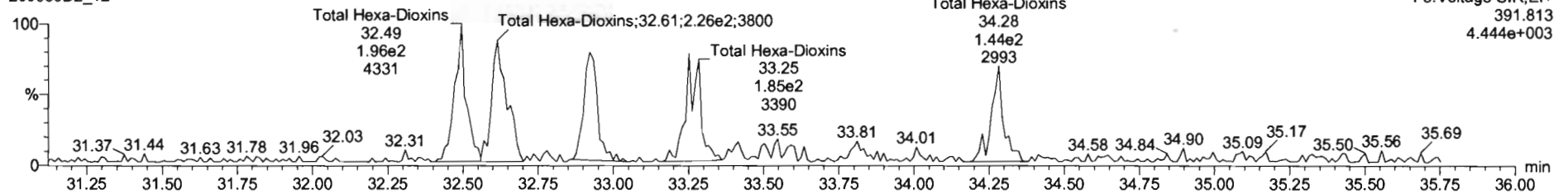
Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B010193-BLK1 Method Blank 10, Description: Method Blank

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

200930D2_12

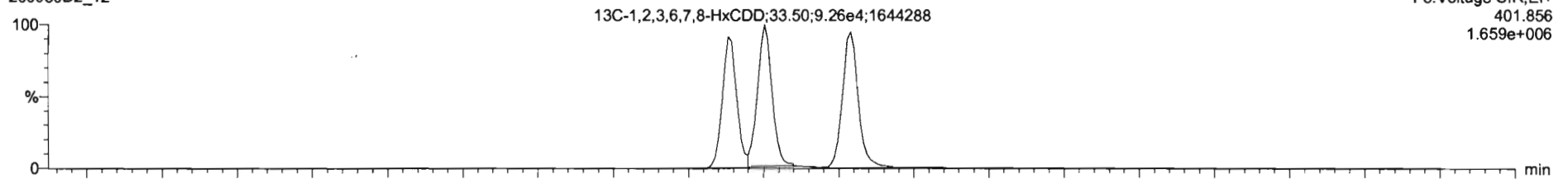


200930D2_12

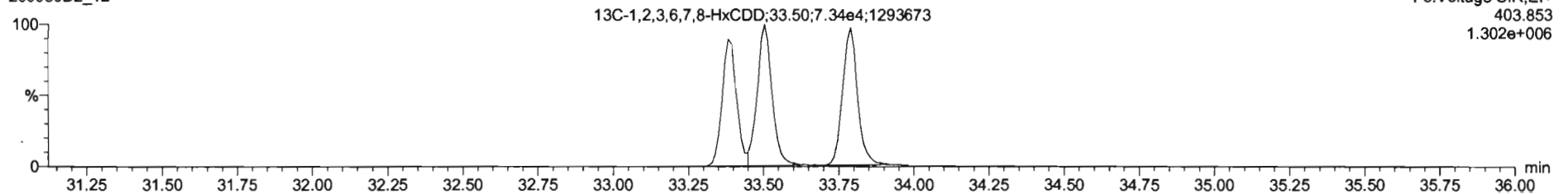


13C-1,2,3,4,7,8-HxCDD

200930D2_12



200930D2_12



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

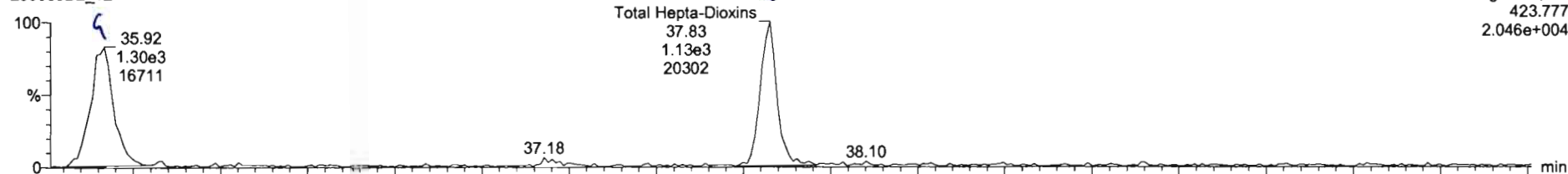
Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

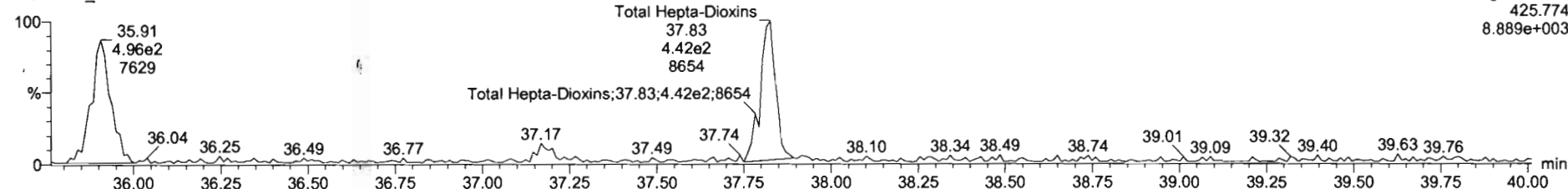
Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B0I0193-BLK1 Method Blank 10, Description: Method Blank

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

200930D2_12

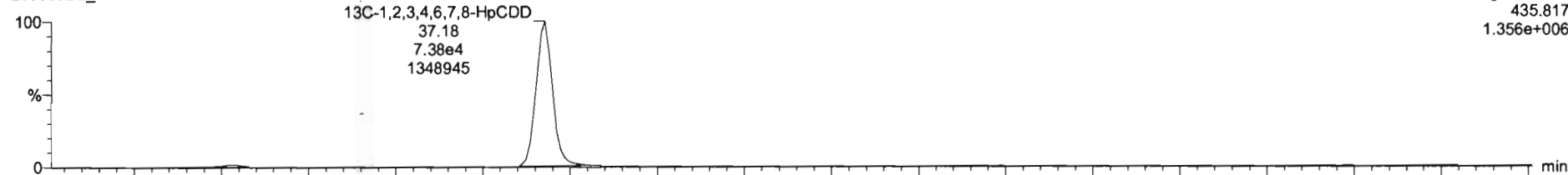


200930D2_12

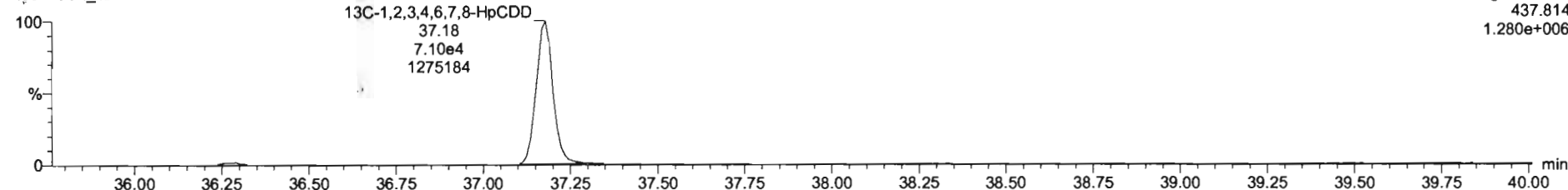


13C-1,2,3,4,6,7,8-HpCDD

200930D2_12



200930D2_12

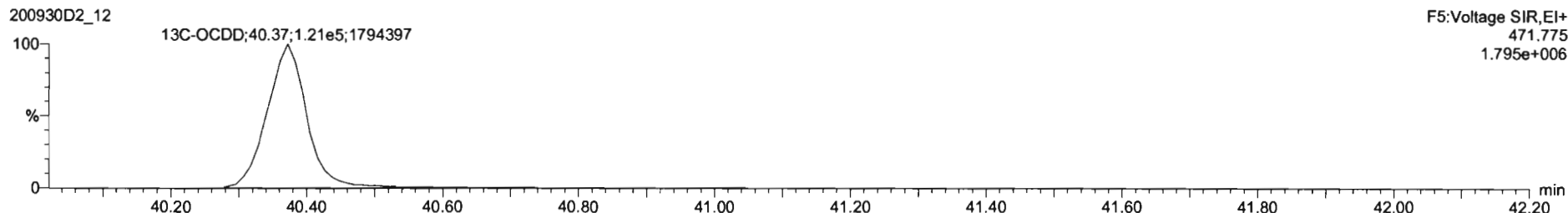
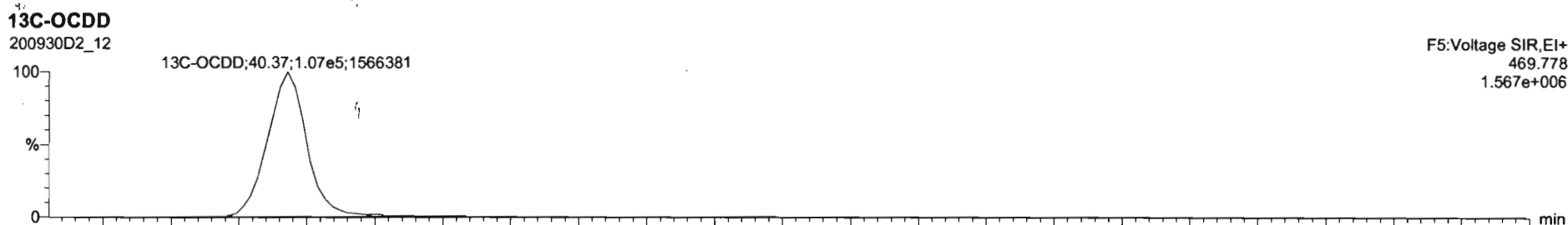
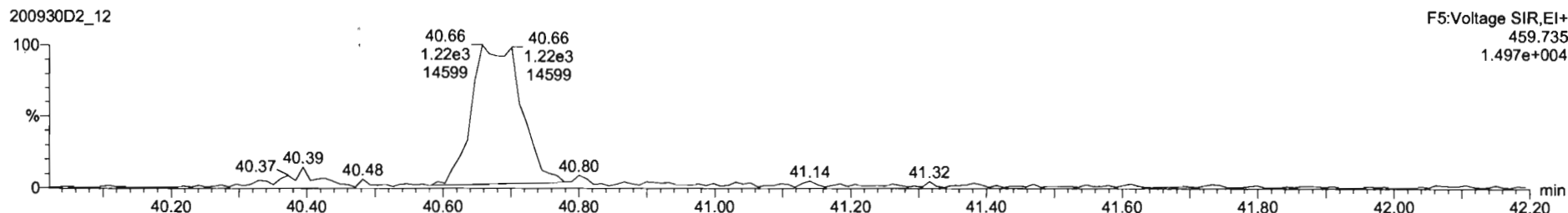
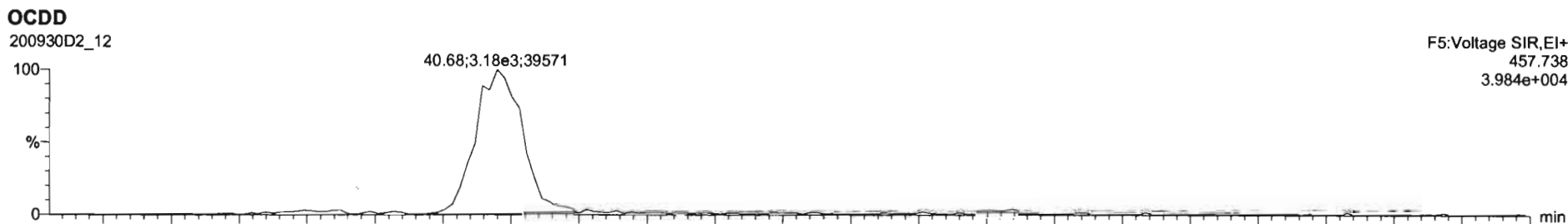


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B0I0193-BLK1 Method Blank 10, Description: Method Blank



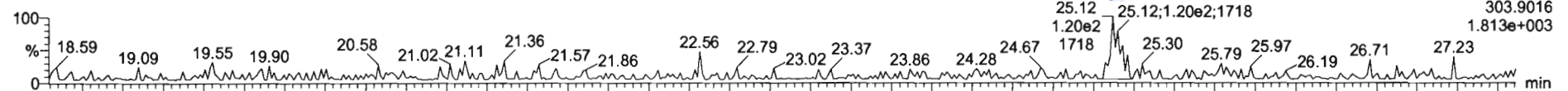
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

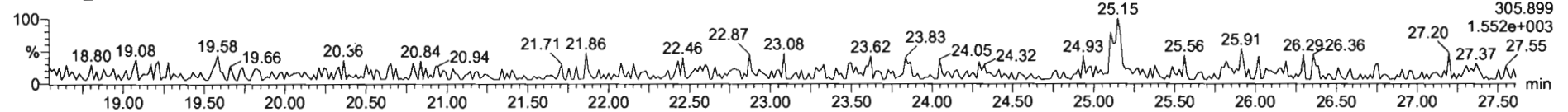
Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B010193-BLK1 Method Blank 10, Description: Method Blank

2,3,7,8-TCDF

200930D2_12

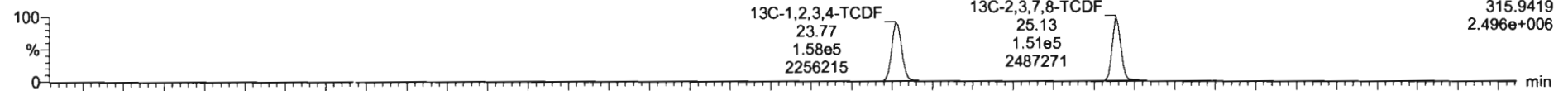


200930D2_12

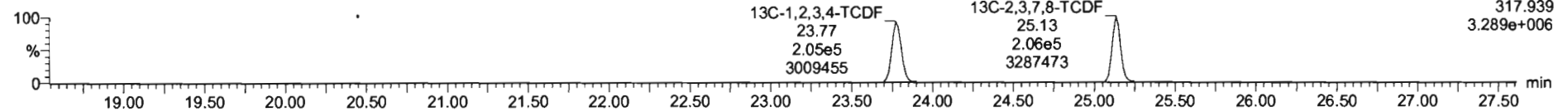


13C-2,3,7,8-TCDF

200930D2_12

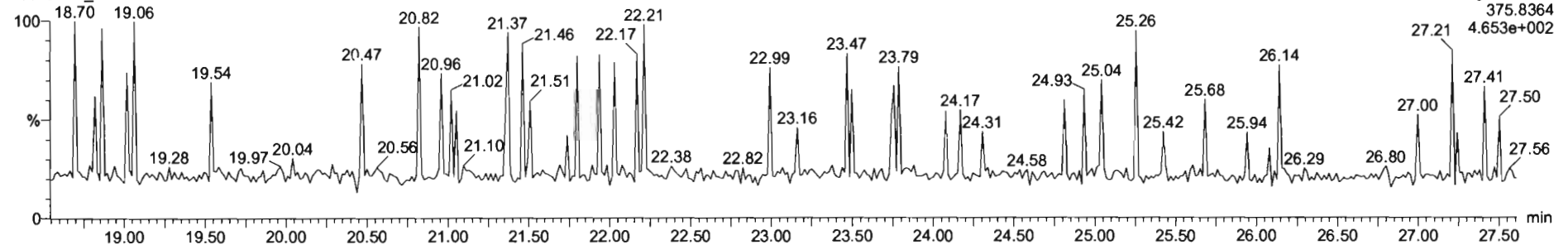


200930D2_12

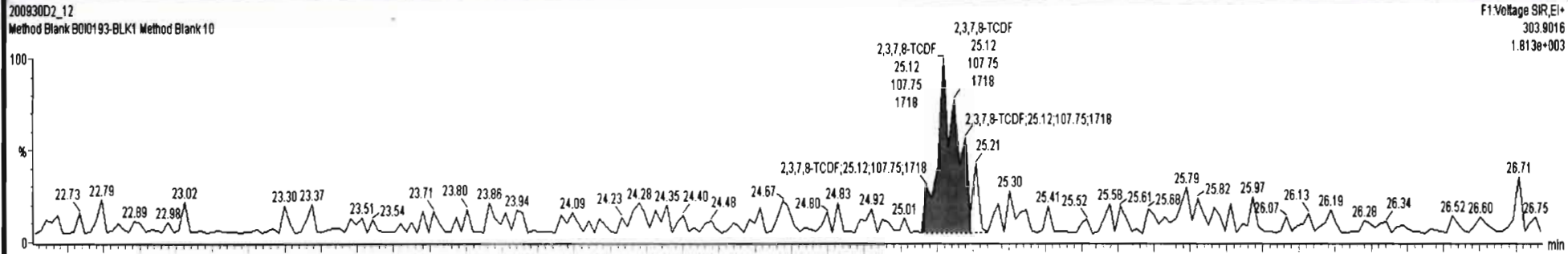


DPE1

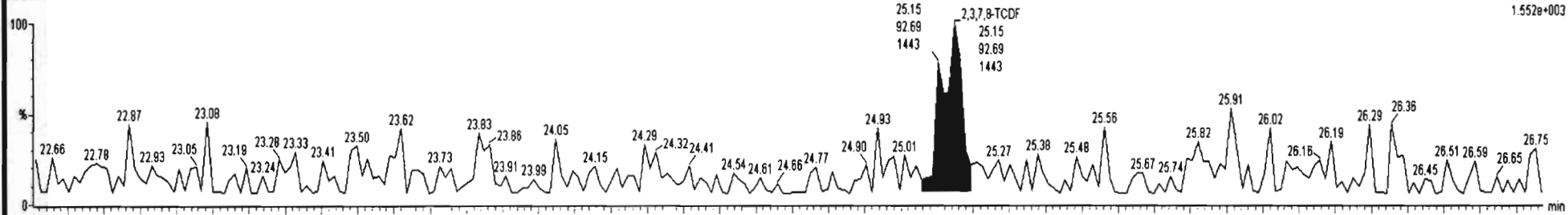
200930D2_12



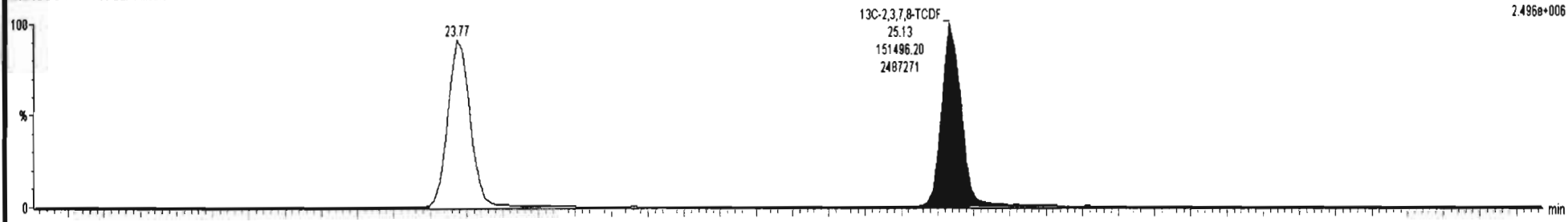
200930D2_12
Method Blank B010193-BLK1 Method Blank 10



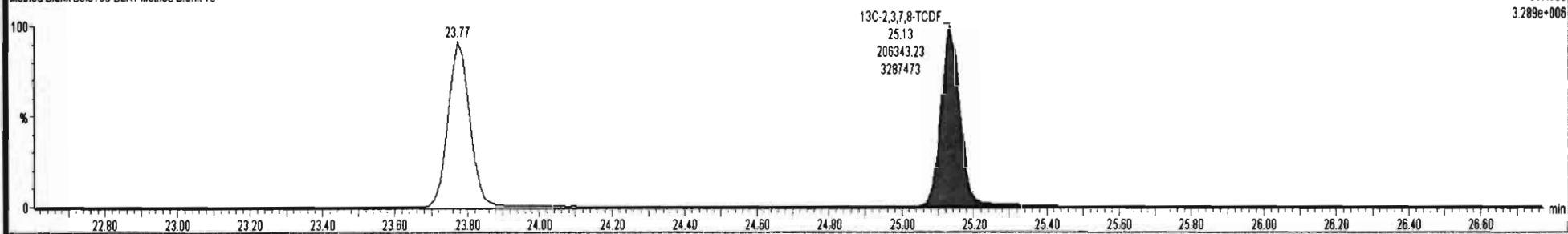
200930D2_12
Method Blank B010193-BLK1 Method Blank 10



200930D2_12
Method Blank B010193-BLK1 Method Blank 10



200930D2_12
Method Blank B010193-BLK1 Method Blank 10



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

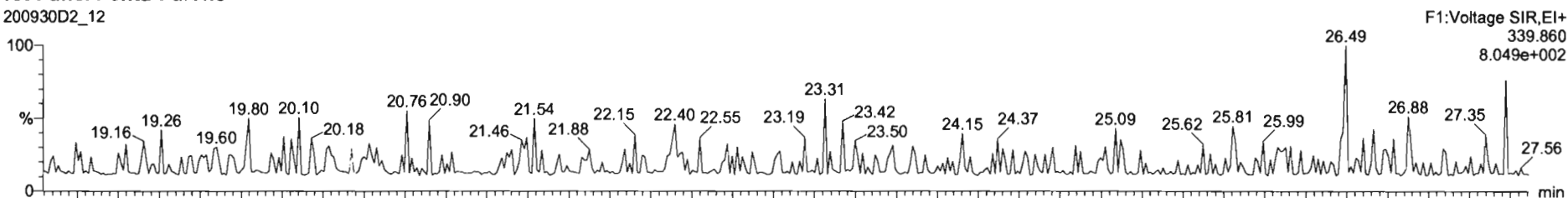
Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

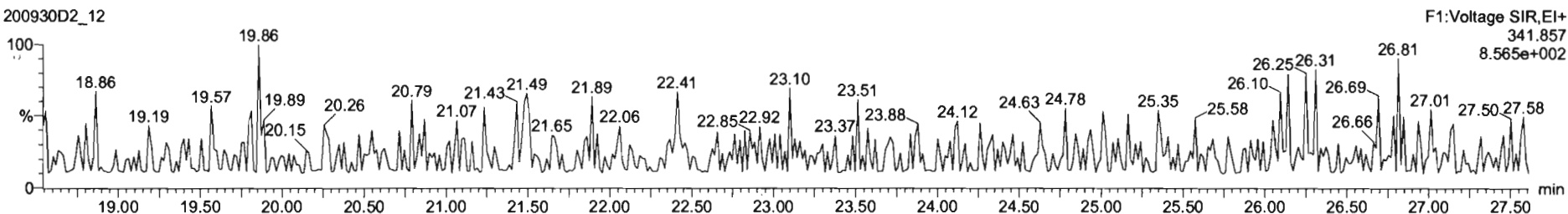
Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B010193-BLK1 Method Blank 10, Description: Method Blank

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200930D2_12

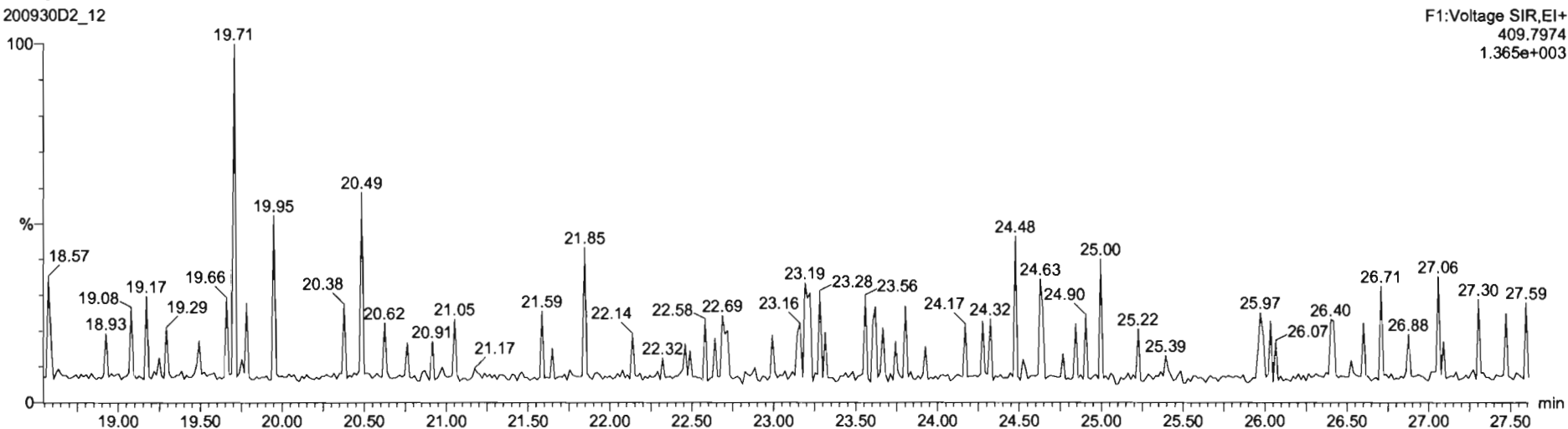


200930D2_12



DPE6

200930D2_12



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

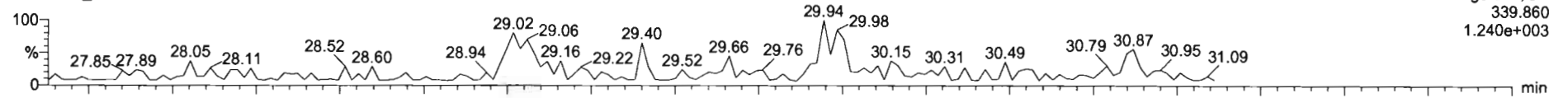
Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

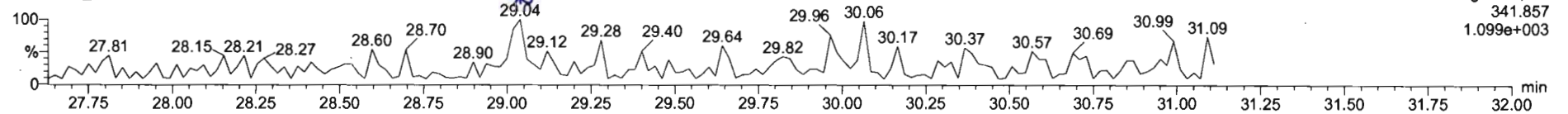
Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B010193-BLK1 Method Blank 10, Description: Method Blank

1,2,3,7,8-PeCDF

200930D2_12

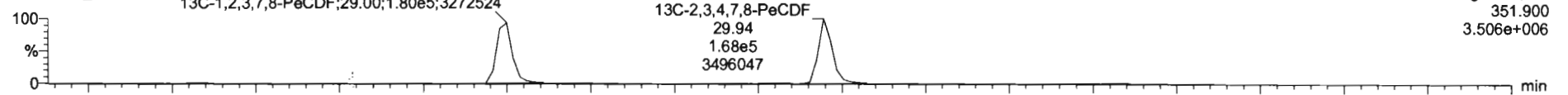


200930D2_12

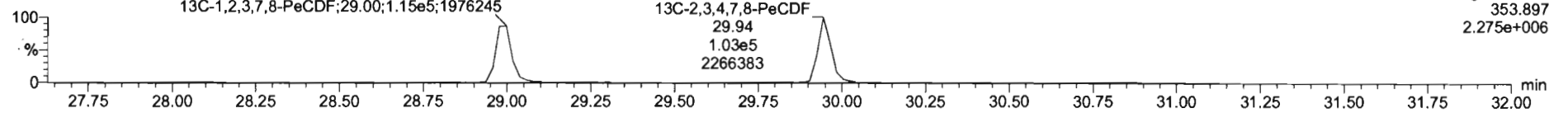


13C-1,2,3,7,8-PeCDF

200930D2_12

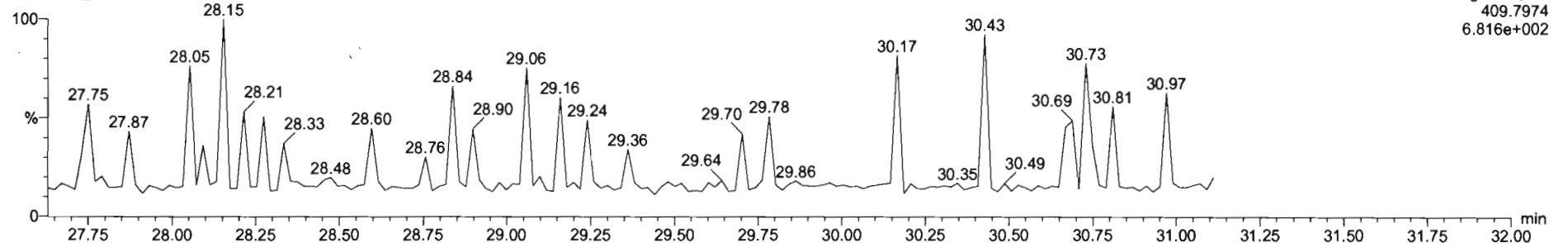


200930D2_12



DPE2

200930D2_12

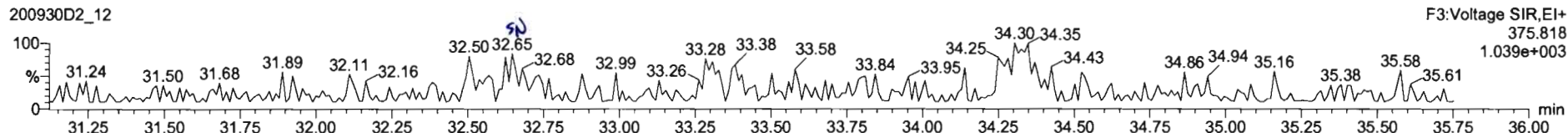
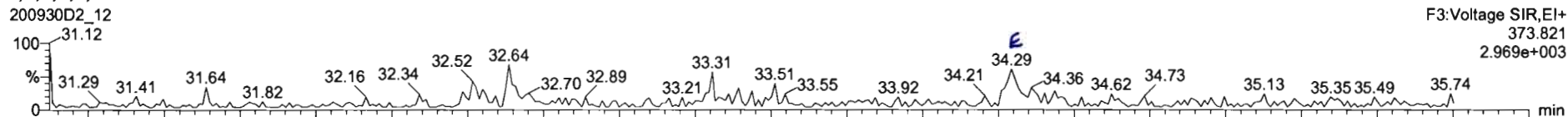


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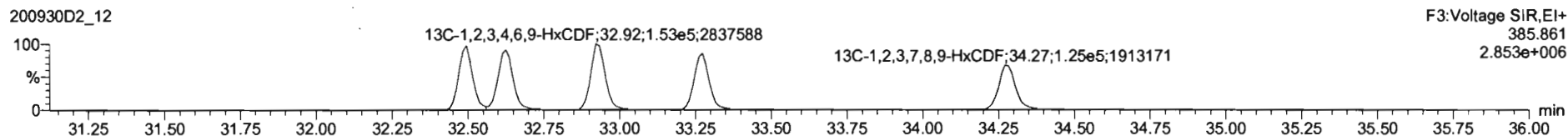
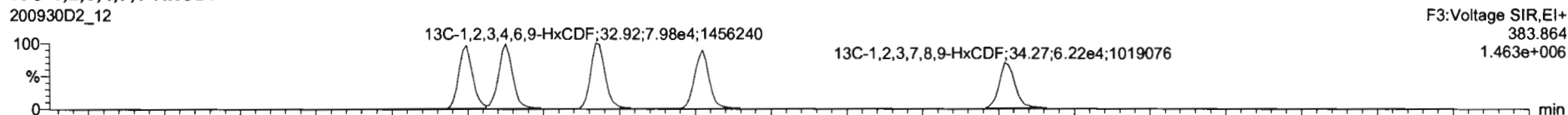
Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B010193-BLK1 Method Blank 10, Description: Method Blank

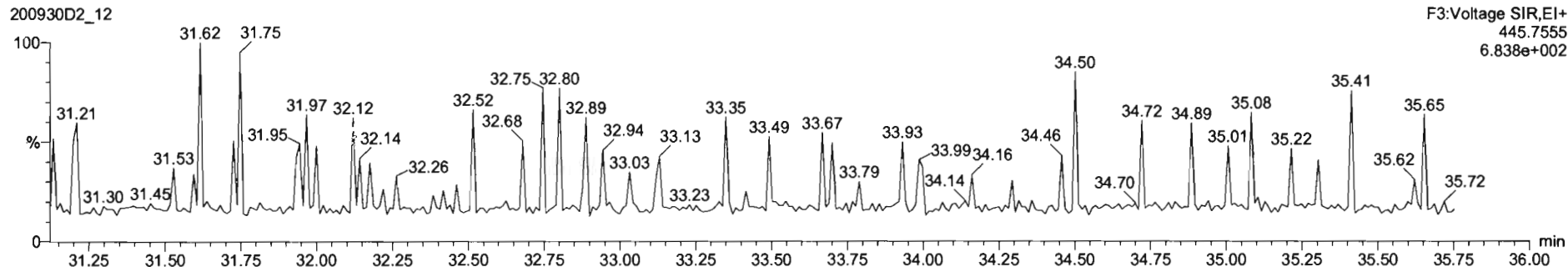
1,2,3,4,7,8-HxCDF

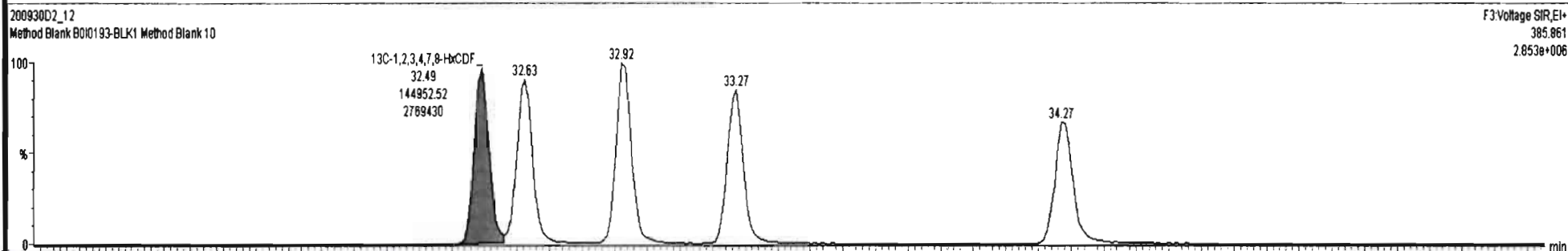
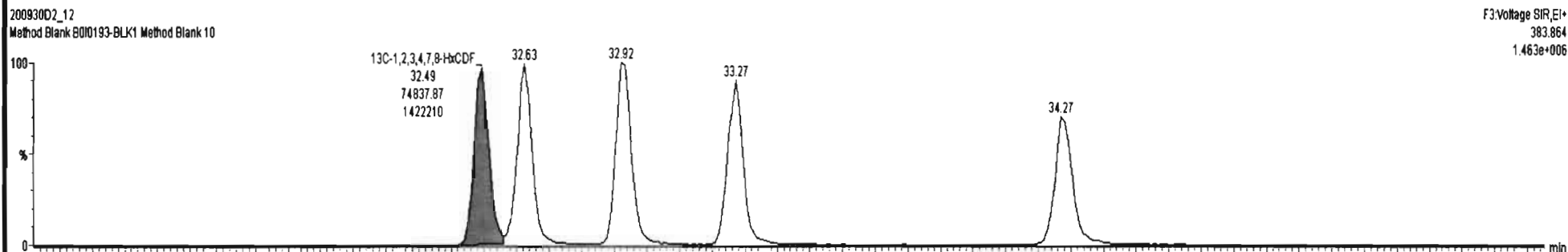
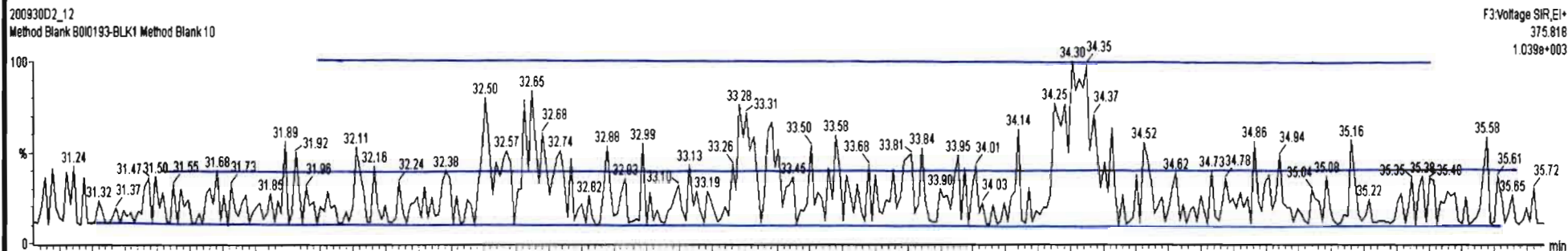
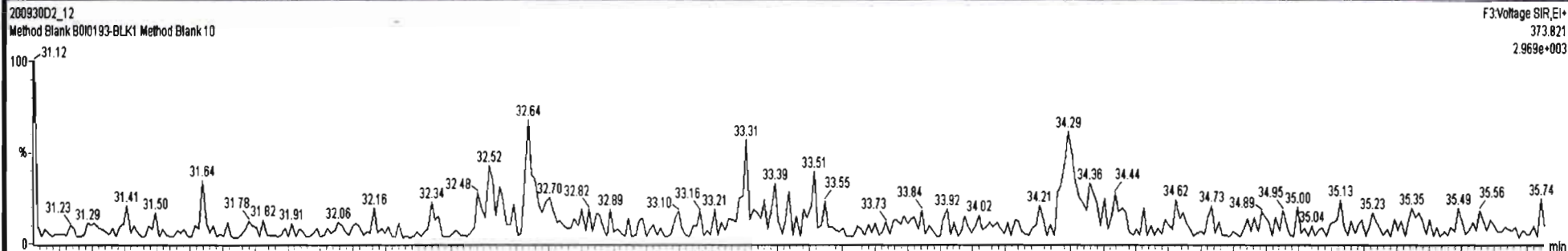


13C-1,2,3,4,7,8-HxCDF



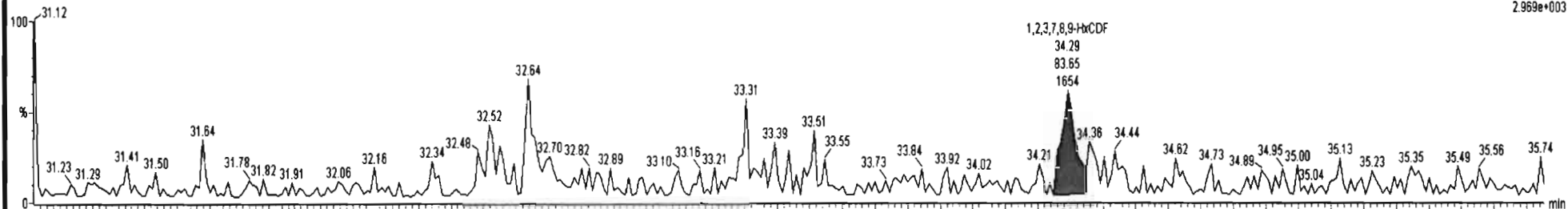
DPE3





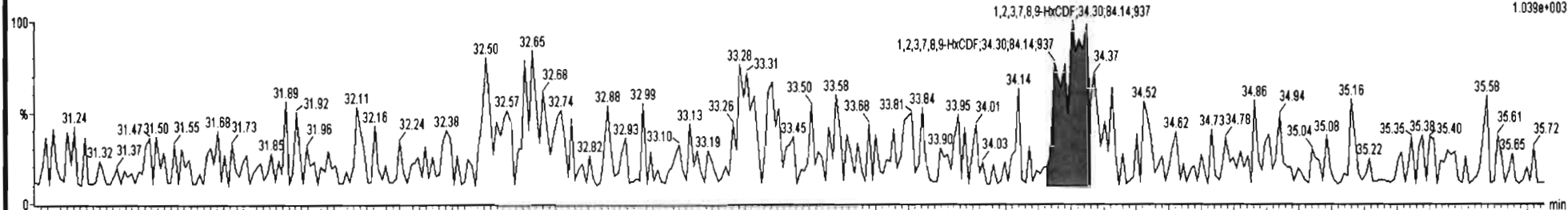
20093002_12
Method Blank B010193-BLK1 Method Blank 10

F3:Voltage SIR,EI+
373.821
2.969e+003



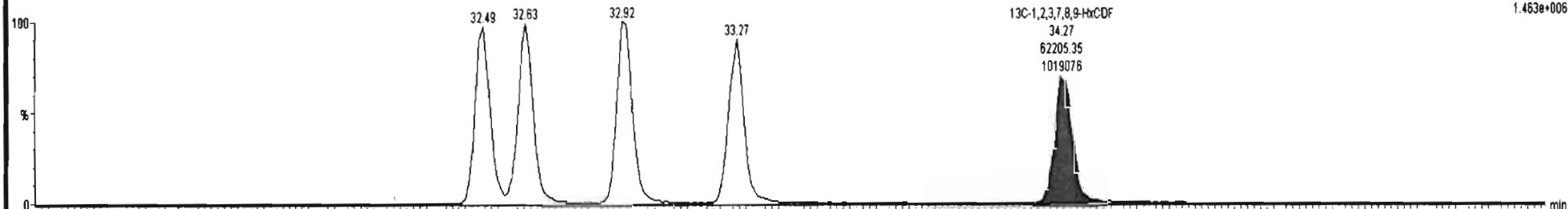
20093002_12
Method Blank B010193-BLK1 Method Blank 10

F3:Voltage SIR,EI+
375.818
1.039e+003



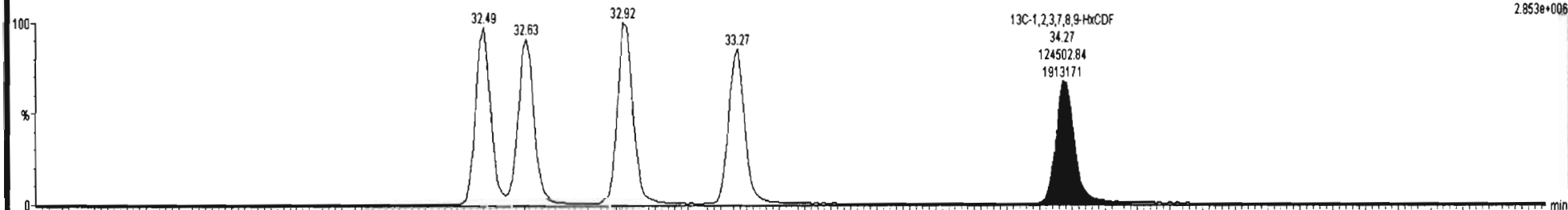
20093002_12
Method Blank B010193-BLK1 Method Blank 10

F3:Voltage SIR,EI+
383.864
1.463e+006



20093002_12
Method Blank B010193-BLK1 Method Blank 10

F3:Voltage SIR,EI+
385.861
2.853e+006



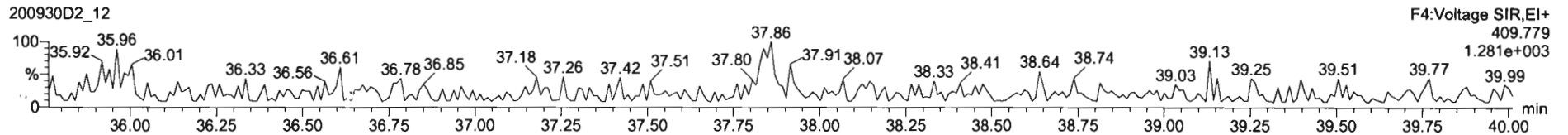
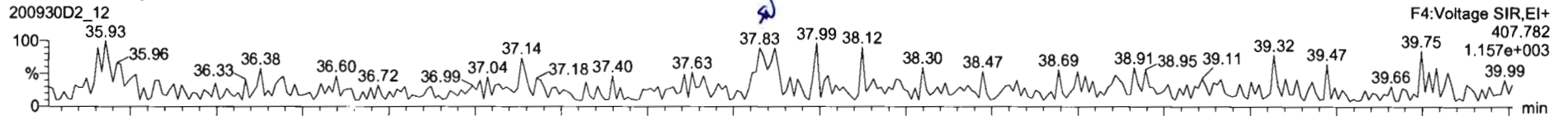
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time

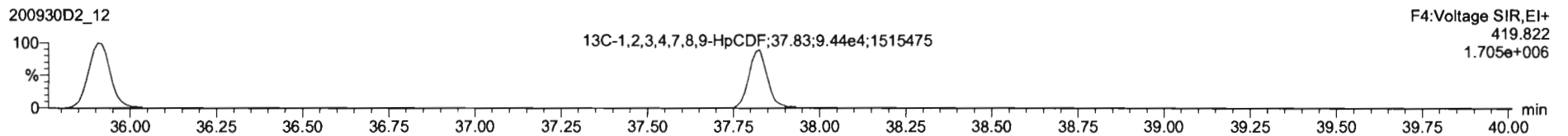
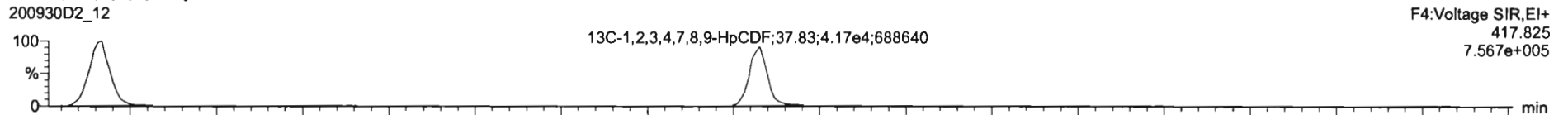
Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B0I0193-BLK1 Method Blank 10, Description: Method Blank

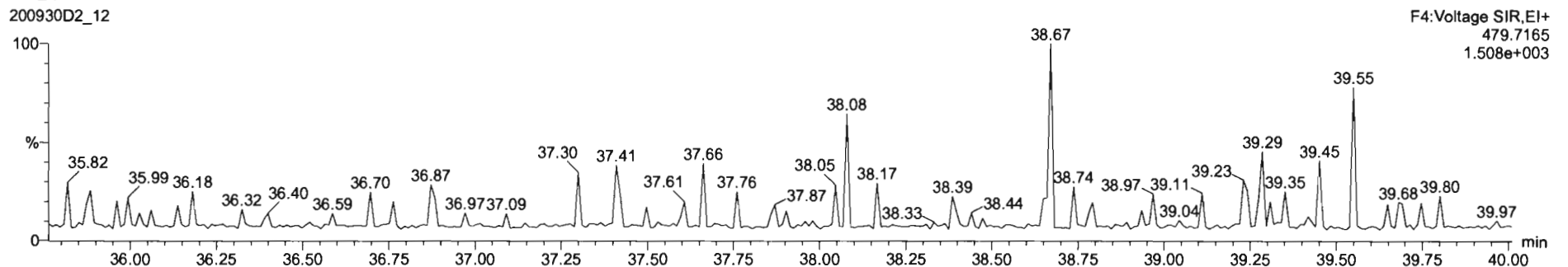
1,2,3,4,6,7,8-HpCDF



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



DPE4

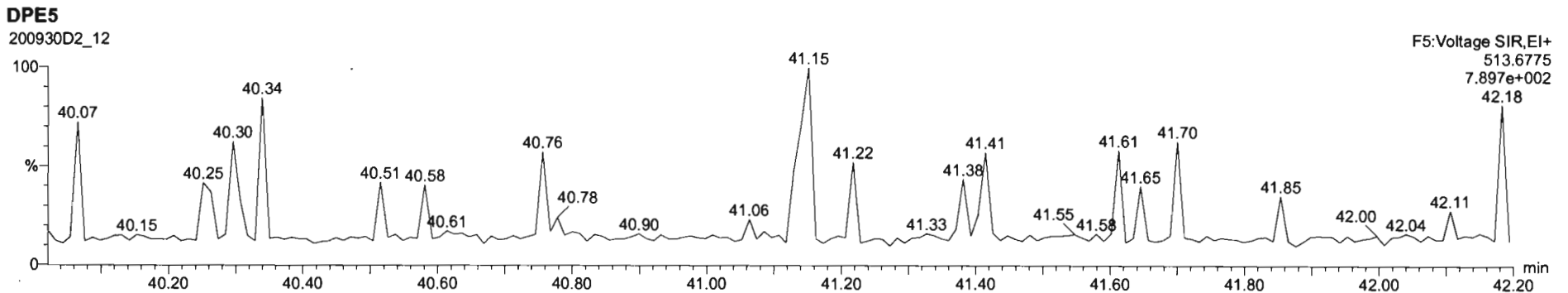
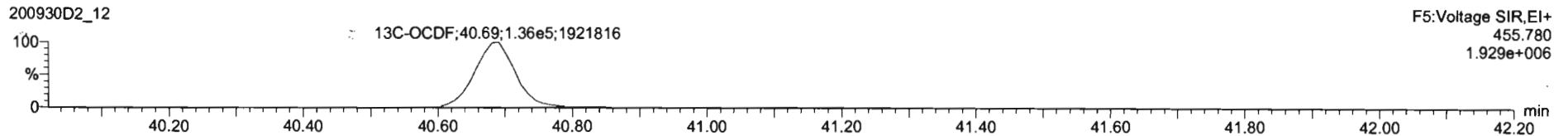
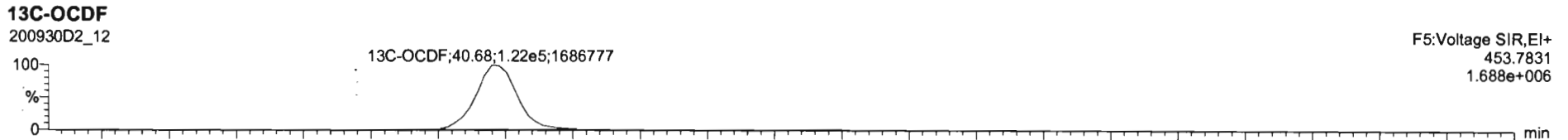
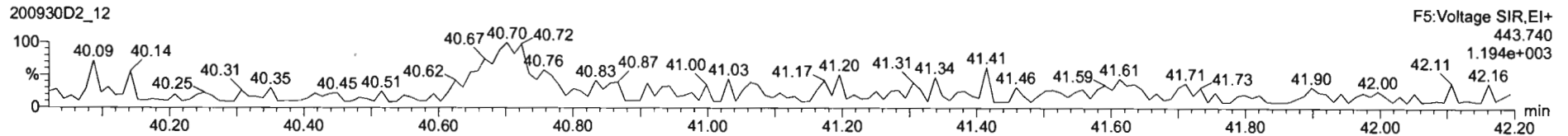
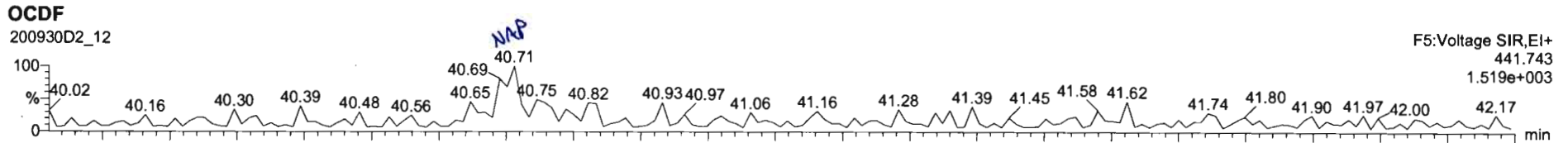


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

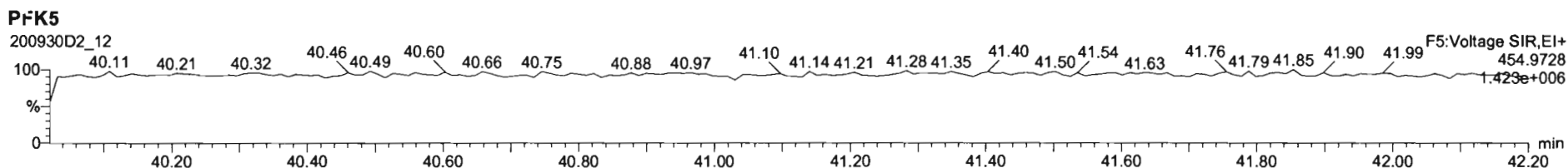
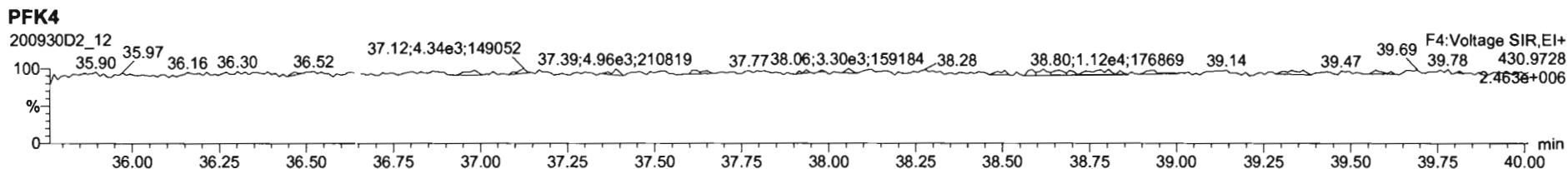
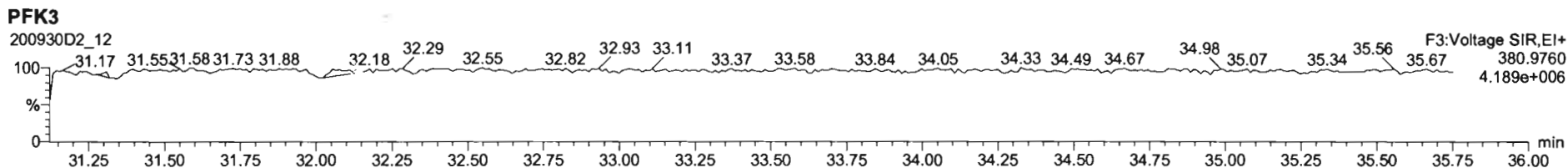
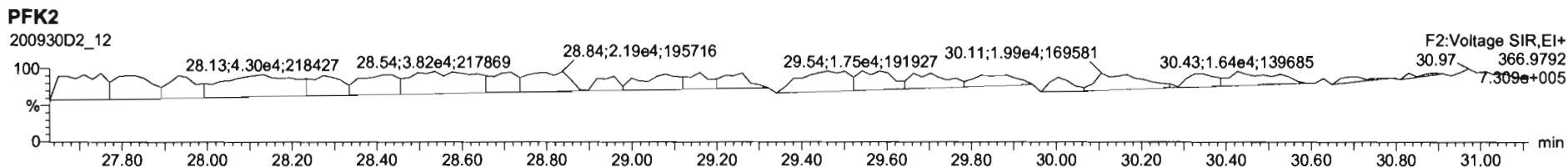
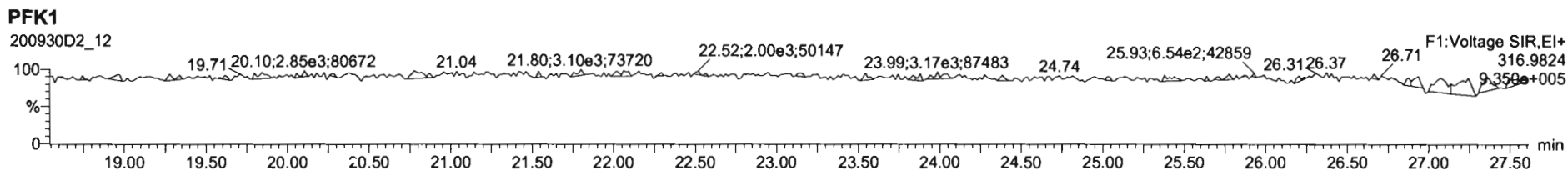
Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B0I0193-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_12.qld

Last Altered: Thursday, October 01, 2020 10:50:07 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:51:11 Pacific Daylight Time

Name: 200930D2_12, Date: 30-Sep-2020, Time: 21:11:54, ID: B010193-BLK1 Method Blank 10, Description: Method Blank



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_10.qld

Last Altered: Thursday, October 01, 2020 10:48:55 Pacific Daylight Time
Printed: Thursday, October 01, 2020 11:28:02 Pacific Daylight Time

DB 10/1/20 CT 10/05/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_10, Date: 30-Sep-2020, Time: 19:40:20, ID: B0I0193-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.74e4	0.77	NO	1.00	10.000	25.821	25.82	1.001	1.001	22.016	110 <i>62-158</i>	0.114	22.0
2	2 1,2,3,7,8-PeCDD	1.01e5	0.62	NO	0.935	10.000	30.166	30.17	1.001	1.001	112.59	113 <i>70-142</i>	0.188	113
3	3 1,2,3,4,7,8-HxCDD	9.03e4	1.27	NO	1.15	10.000	33.404	33.40	1.000	1.000	99.397	99.4 <i>70-164</i>	0.254	99.4
4	4 1,2,3,6,7,8-HxCDD	8.95e4	1.25	NO	1.02	10.000	33.514	33.53	1.000	1.000	96.214	96.2 <i>76-134</i>	0.248	96.2
5	5 1,2,3,7,8,9-HxCDD	9.31e4	1.27	NO	1.06	10.000	33.833	33.81	1.001	1.000	98.343	98.3 <i>64-162</i>	0.261	98.3
6	6 1,2,3,4,6,7,8-HpCDD	7.60e4	1.03	NO	1.00	10.000	37.201	37.20	1.000	1.000	102.55	103 <i>70-140</i>	0.468	103
7	7 OCDD	1.14e5	0.88	NO	0.952	10.000	40.394	40.40	1.000	1.000	201.82	101 <i>78-144</i>	0.420	202
8	8 2,3,7,8-TCDF	3.57e4	0.82	NO	1.01	10.000	25.173	25.16	1.001	1.001	19.346	96.7 <i>75-158</i>	0.0955	19.3
9	9 1,2,3,7,8-PeCDF	1.63e5	1.61	NO	0.998	10.000	29.019	29.02	1.001	1.001	105.58	106 <i>80-134</i>	0.211	106
10	10 2,3,4,7,8-PeCDF	1.73e5	1.60	NO	1.07	10.000	29.994	29.96	1.001	1.000	110.99	111 <i>68-160</i>	0.222	111
11	11 1,2,3,4,7,8-HxCDF	1.46e5	1.25	NO	1.05	10.000	32.505	32.52	1.000	1.000	118.23	118 <i>72-134</i>	0.332	118
12	12 1,2,3,6,7,8-HxCDF	1.55e5	1.27	NO	1.10	10.000	32.635	32.65	1.000	1.001	119.98	120 <i>84-130</i>	0.336	120
13	13 2,3,4,6,7,8-HxCDF	1.42e5	1.26	NO	1.09	10.000	33.317	33.29	1.001	1.000	118.12	118 <i>70-156</i>	0.365	118
14	14 1,2,3,7,8,9-HxCDF	1.24e5	1.25	NO	1.08	10.000	34.293	34.31	1.000	1.000	115.71	116 <i>78-150</i>	0.463	116
15	15 1,2,3,4,6,7,8-HpCDF	1.22e5	1.04	NO	1.13	10.000	35.964	35.94	1.001	1.000	110.75	111 <i>82-122</i>	0.539	111
16	16 1,2,3,4,7,8,9-HpCDF	9.89e4	1.03	NO	1.29	10.000	37.838	37.85	1.000	1.000	109.83	110 <i>78-138</i>	0.534	110
17	17 OCDF	1.59e5	0.90	NO	0.953	10.000	40.702	40.72	1.000	1.000	242.75	121 <i>63-170</i>	0.433	243
18	18 13C-2,3,7,8-TCDD	2.49e5	0.79	NO	1.17	10.000	25.786	25.79	1.026	1.026	204.52	102 <i>20-175</i>	0.480	
19	19 13C-1,2,3,7,8-PeCDD	1.93e5	0.62	NO	0.914	10.000	29.974	30.15	1.193	1.199	203.47	102 <i>21-277</i>	0.302	
20	20 13C-1,2,3,4,7,8-HxCDD	1.58e5	1.29	NO	0.634	10.000	33.394	33.39	1.014	1.014	211.80	106 <i>21-193</i>	0.598	
21	21 13C-1,2,3,6,7,8-HxCDD	1.82e5	1.29	NO	0.724	10.000	33.503	33.51	1.017	1.018	213.39	107 <i>25-163</i>	0.523	
22	22 13C-1,2,3,7,8,9-HxCDD	1.78e5	1.24	NO	0.716	10.000	33.769	33.80	1.025	1.026	212.09	106 <i>21-193</i>	0.530	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.48e5	1.05	NO	0.660	10.000	37.181	37.19	1.129	1.129	190.66	95.3 <i>26-166</i>	0.973	
24	24 13C-OCDD	2.37e5	0.88	NO	0.587	10.000	40.158	40.39	1.219	1.227	344.01	86.0 <i>13-198</i>	0.619	
25	25 13C-2,3,7,8-TCDF	3.64e5	0.77	NO	1.02	10.000	24.882	25.15	0.990	1.001	198.21	99.1 <i>22-152</i>	0.454	
26	26 13C-1,2,3,7,8-PeCDF	3.09e5	1.60	NO	0.842	10.000	29.046	29.00	1.156	1.154	204.18	102 <i>21-192</i>	0.487	
27	27 13C-2,3,4,7,8-PeCDF	2.90e5	1.56	NO	0.802	10.000	29.933	29.96	1.191	1.192	201.18	101 <i>13-328</i>	0.511	
28	28 13C-1,2,3,4,7,8-HxCDF	2.35e5	0.51	NO	1.00	10.000	32.538	32.51	0.988	0.987	199.29	99.6 <i>19-202</i>	0.709	
29	29 13C-1,2,3,6,7,8-HxCDF	2.35e5	0.53	NO	1.02	10.000	32.669	32.63	0.992	0.991	196.22	98.1 <i>21-159</i>	0.698	
30	30 13C-2,3,4,6,7,8-HxCDF	2.21e5	0.52	NO	0.955	10.000	33.233	33.28	1.009	1.011	196.55	98.3 <i>22-176</i>	0.744	
31	31 13C-1,2,3,7,8,9-HxCDF	1.99e5	0.53	NO	0.851	10.000	34.296	34.29	1.041	1.041	198.77	99.4 <i>17-205</i>	0.835	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_10.qld

Last Altered: Thursday, October 01, 2020 10:48:55 Pacific Daylight Time

Printed: Thursday, October 01, 2020 11:28:02 Pacific Daylight Time

Name: 200930D2_10, Date: 30-Sep-2020, Time: 19:40:20, ID: B010193-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	1.95e5	0.43	NO	0.848	10.000	35.798	35.93	1.087	1.091	195.12	97.6 <i>21-158</i>	0.782	
33	13C-1,2,3,4,7,8,9-HpCDF	1.40e5	0.45	NO	0.624	10.000	37.774	37.84	1.147	1.149	190.89	95.4 <i>20-186</i>	1.06	
34	13C-OCDF	2.74e5	0.87	NO	0.730	10.000	40.310	40.70	1.224	1.236	319.65	79.9 <i>13-198</i>	0.609	
35	37Cl-2,3,7,8-TCDD	1.22e5			1.21	10.000	25.784	25.82	1.026	1.027	97.309	122 <i>31-191</i>	0.159	
36	13C-1,2,3,4-TCDD	2.07e5	0.77	NO	1.00	10.000	25.260	25.13	1.000	1.000	200.00	100	0.563	
37	13C-1,2,3,4-TCDF	3.59e5	0.78	NO	1.00	10.000	23.930	23.79	1.000	1.000	200.00	100	0.464	
38	13C-1,2,3,4,6,9-HxCDF	2.35e5	0.53	NO	1.00	10.000	32.990	32.93	1.000	1.000	200.00	100	0.711	

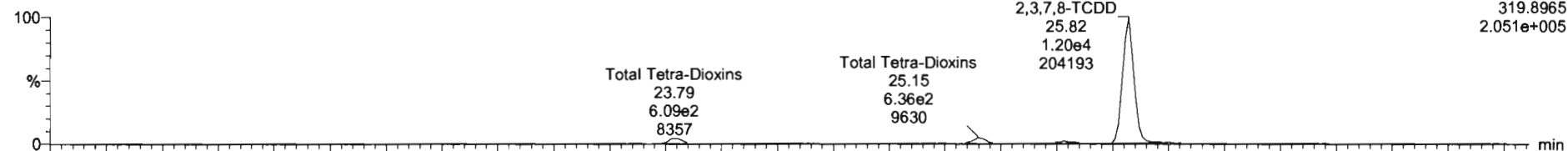
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Last Altered: Thursday, October 01, 2020 10:48:55 Pacific Daylight Time
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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

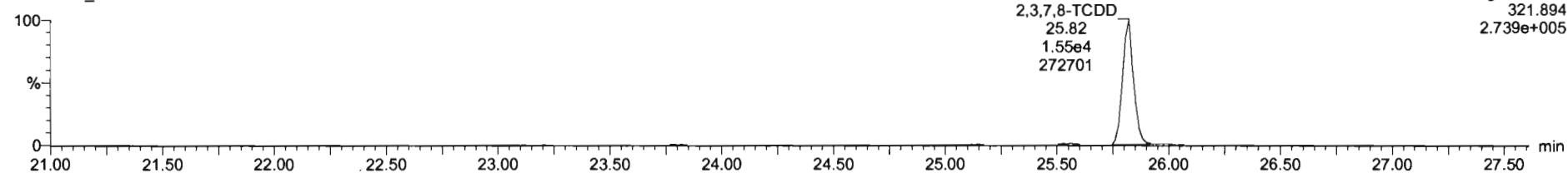
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2,3,7,8-TCDD

200930D2_10

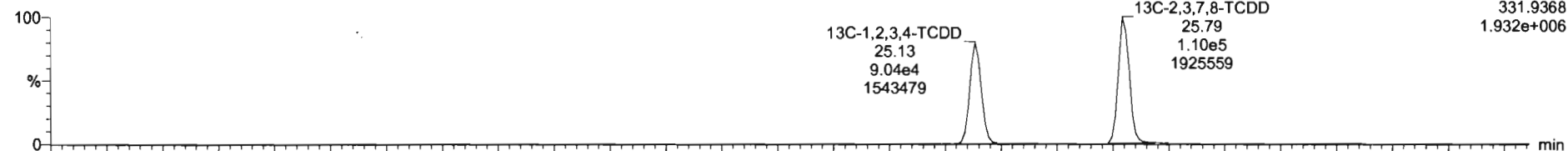


200930D2_10

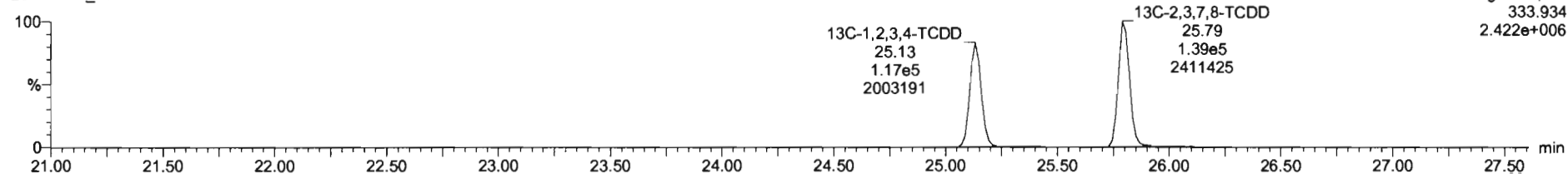


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200930D2_10



200930D2_10



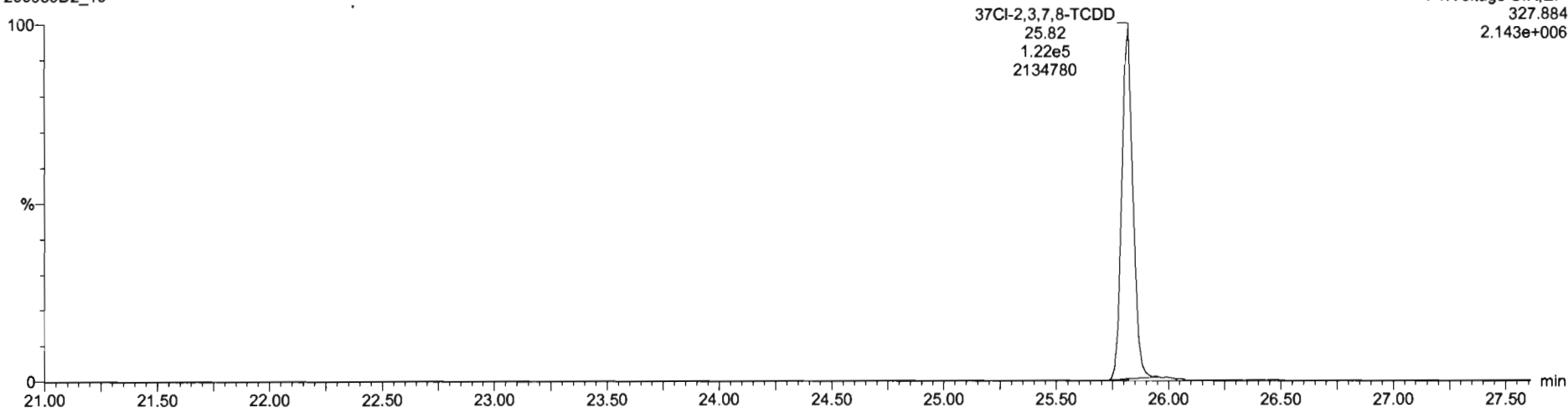
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Last Altered: Thursday, October 01, 2020 10:48:55 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:50:01 Pacific Daylight Time

Name: 200930D2_10, Date: 30-Sep-2020, Time: 19:40:20, ID: B010193-BS1 OPR 10, Description: OPR

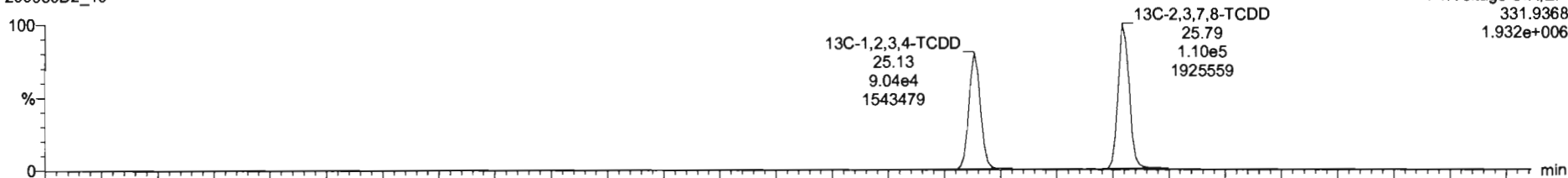
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200930D2_10

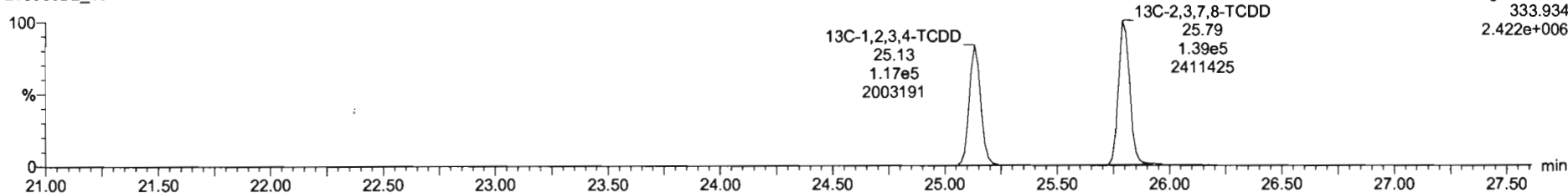


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200930D2_10



200930D2_10



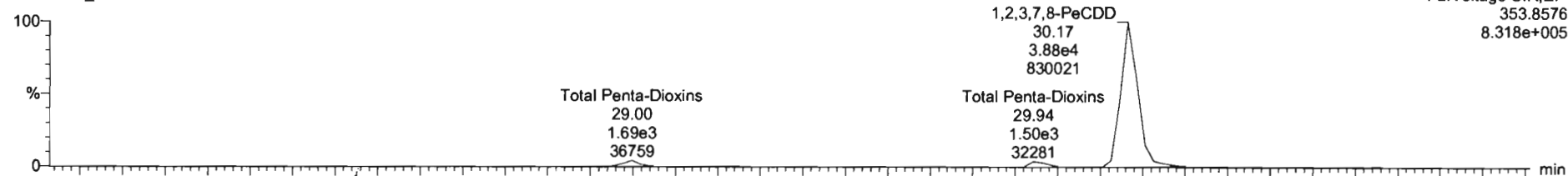
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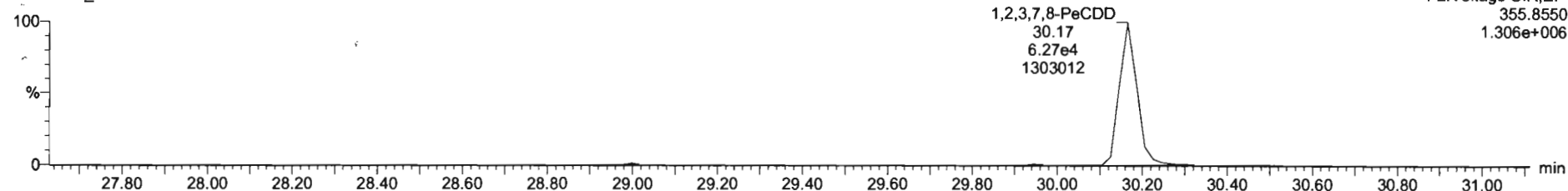
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1,2,3,7,8-PeCDD

200930D2_10

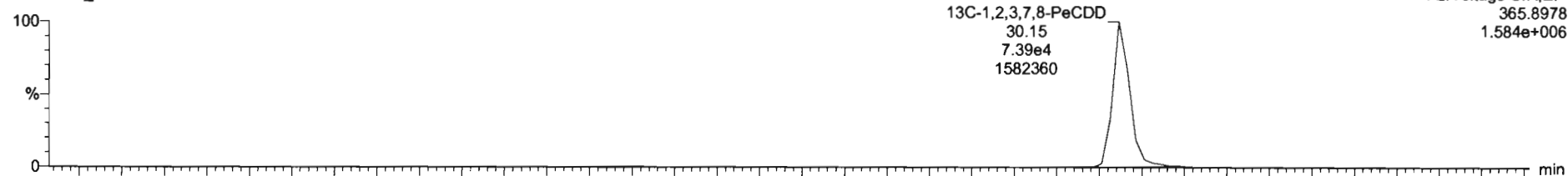


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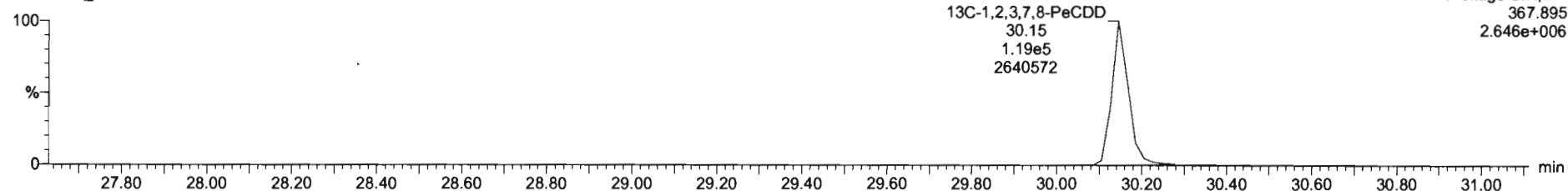


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200930D2_10



200930D2_10



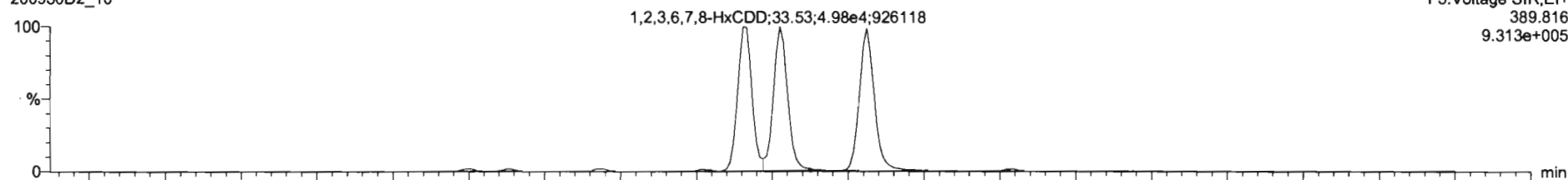
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Name: 200930D2_10, Date: 30-Sep-2020, Time: 19:40:20, ID: B0I0193-BS1 OPR 10, Description: OPR

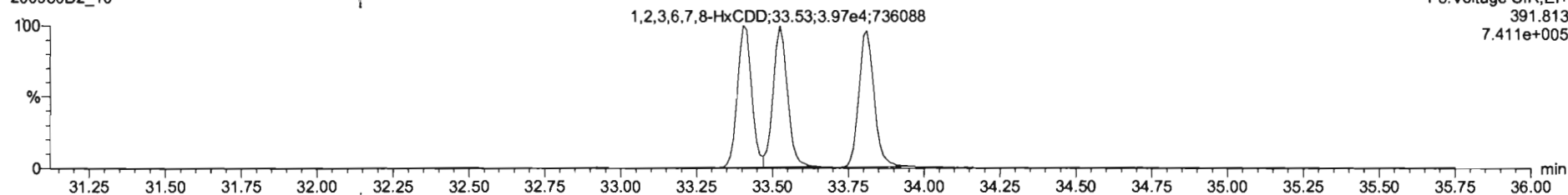
1,2,3,4,7,8-HxCDD

200930D2_10



F3:Voltage SIR,EI+
389.816
9.313e+005

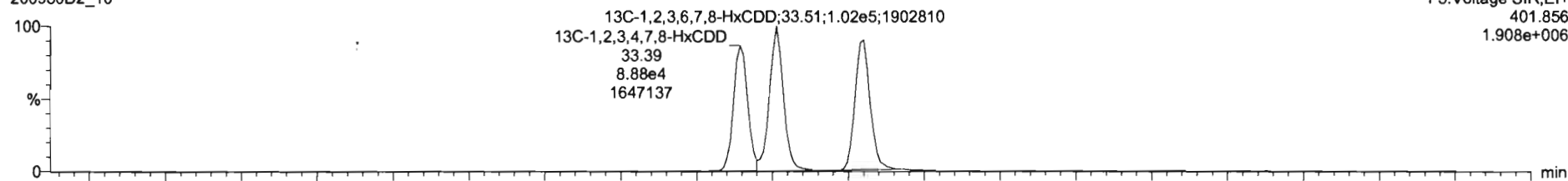
200930D2_10



F3:Voltage SIR,EI+
391.813
7.411e+005

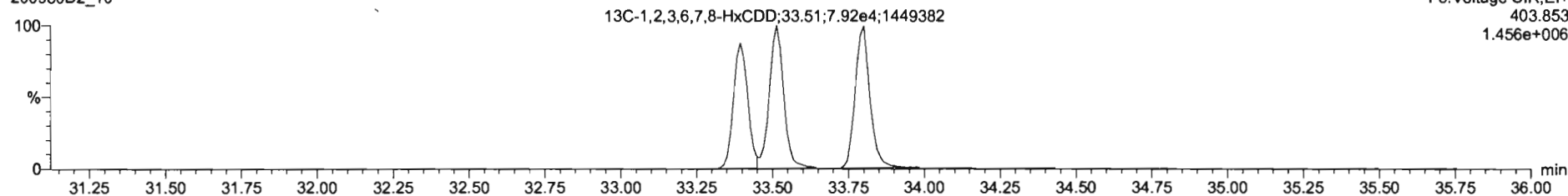
13C-1,2,3,4,7,8-HxCDD

200930D2_10



F3:Voltage SIR,EI+
401.856
1.908e+006

200930D2_10



F3:Voltage SIR,EI+
403.853
1.456e+006

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_10.qld

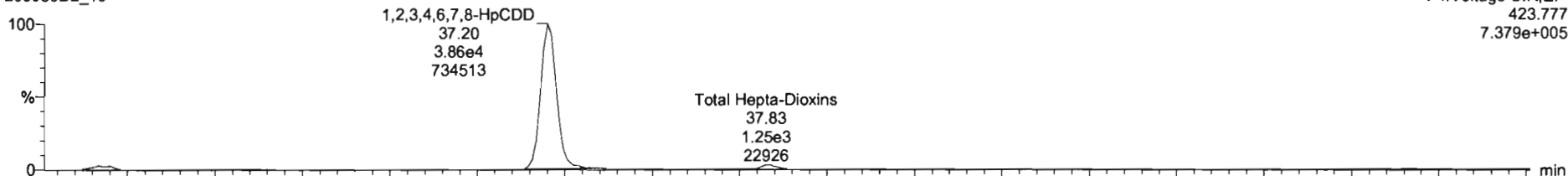
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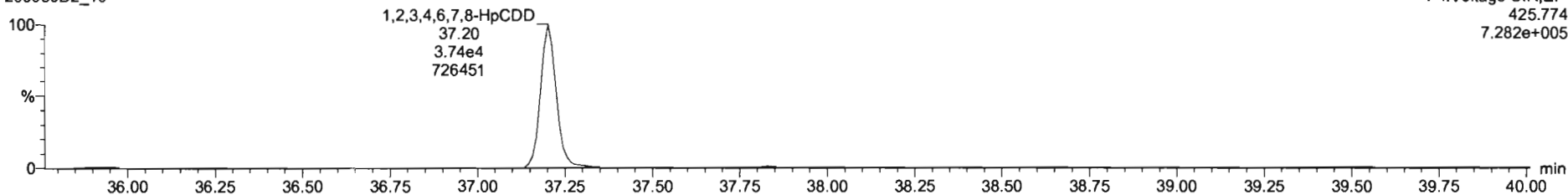
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1,2,3,4,6,7,8-HpCDD

200930D2_10

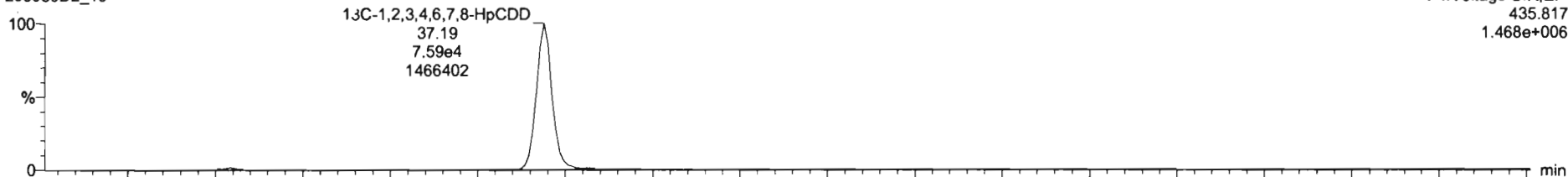


200930D2_10

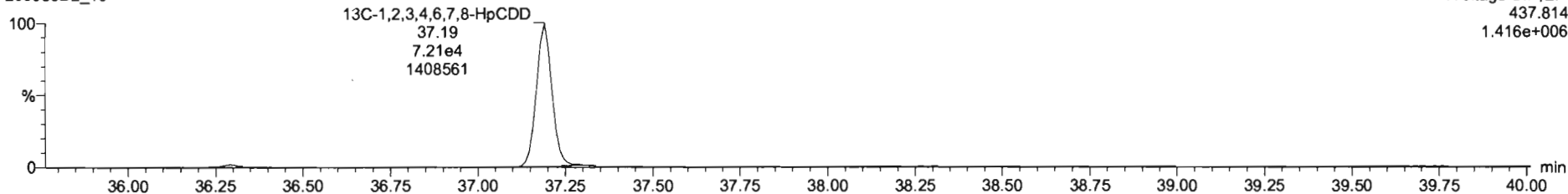


13C-1,2,3,4,6,7,8-HpCDD

200930D2_10



200930D2_10



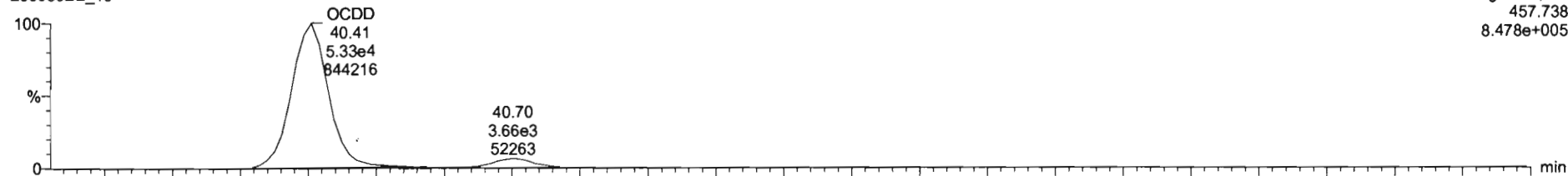
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Last Altered: Thursday, October 01, 2020 10:48:55 Pacific Daylight Time
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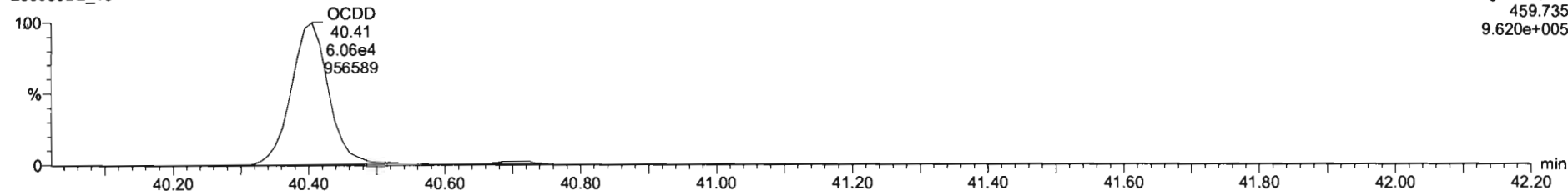
OCDD

200930D2_10



F5:Voltage SIR,EI+
457.738
8.478e+005

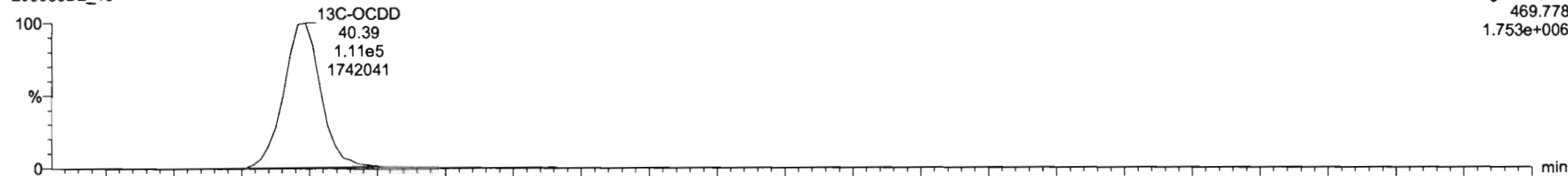
200930D2_10



F5:Voltage SIR,EI+
459.735
9.620e+005

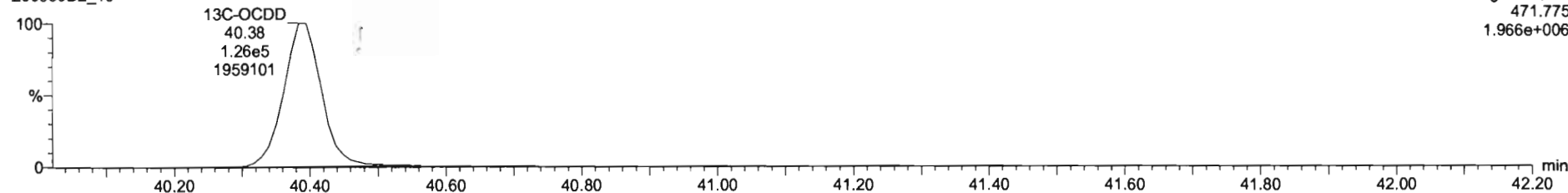
13C-OCDD

200930D2_10



F5:Voltage SIR,EI+
469.778
1.753e+006

200930D2_10



F5:Voltage SIR,EI+
471.775
1.966e+006

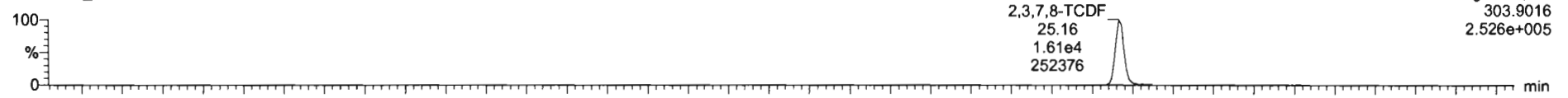
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Printed: Thursday, October 01, 2020 10:50:01 Pacific Daylight Time

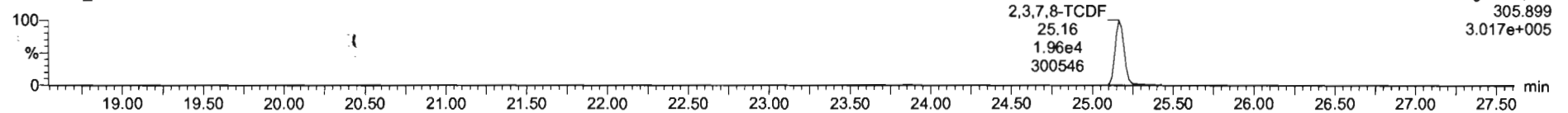
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2,3,7,8-TCDF

200930D2_10

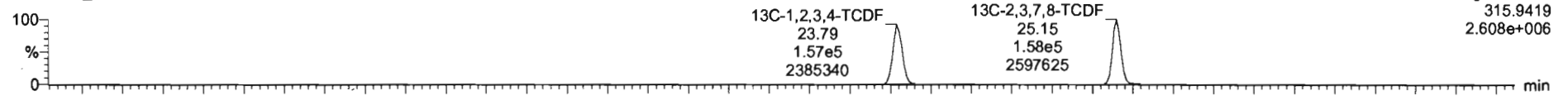


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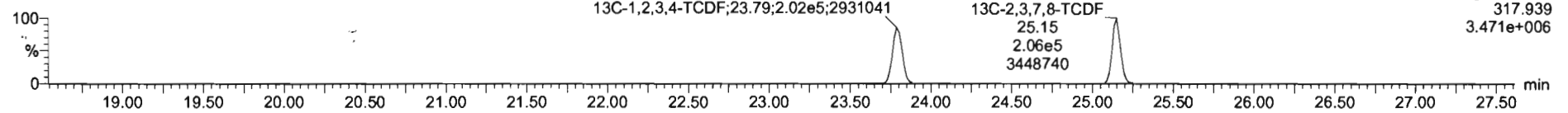


13C-2,3,7,8-TCDF

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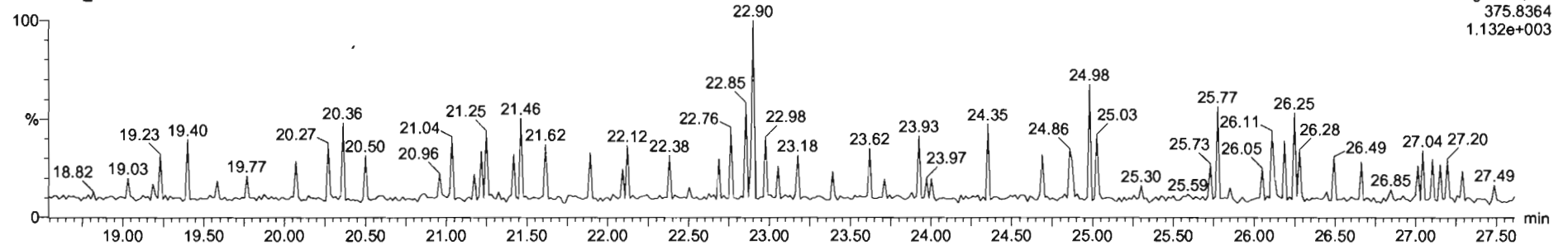


200930D2_10



DPE1

200930D2_10

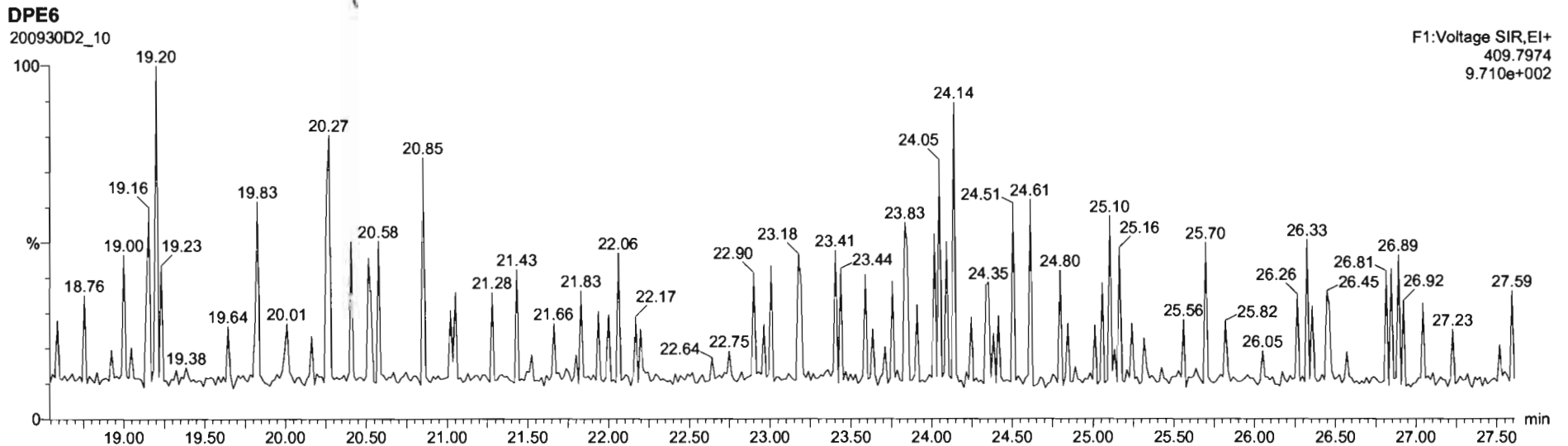
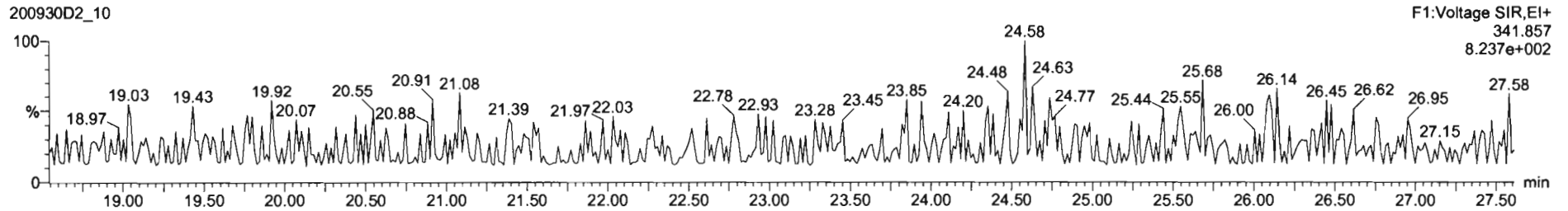
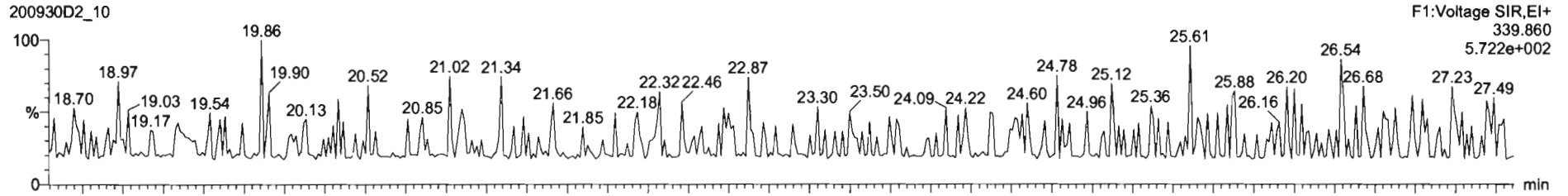


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Printed: Thursday, October 01, 2020 10:50:01 Pacific Daylight Time

Name: 200930D2_10, Date: 30-Sep-2020, Time: 19:40:20, ID: B0I0193-BS1 OPR 10, Description: OPR

1st Func. Penta-Furans



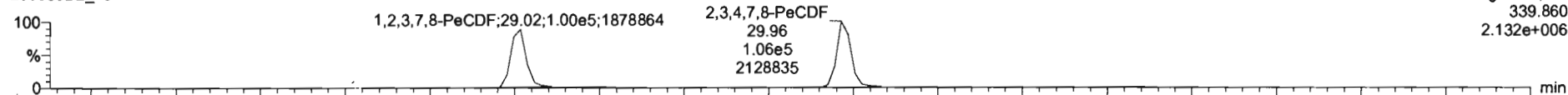
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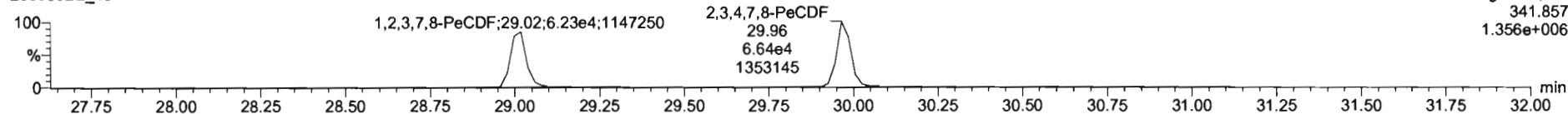
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1,2,3,7,8-PeCDF

200930D2_10

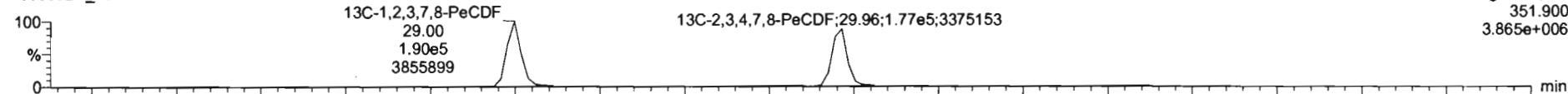


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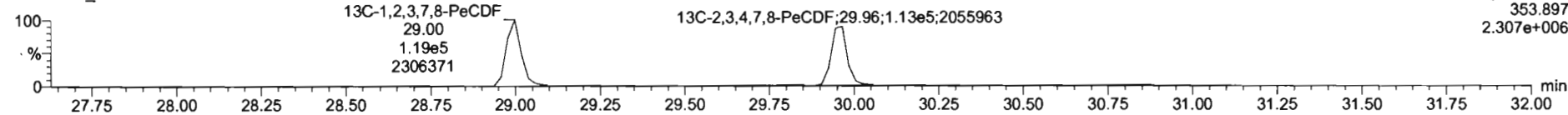


13C-1,2,3,7,8-PeCDF

200930D2_10

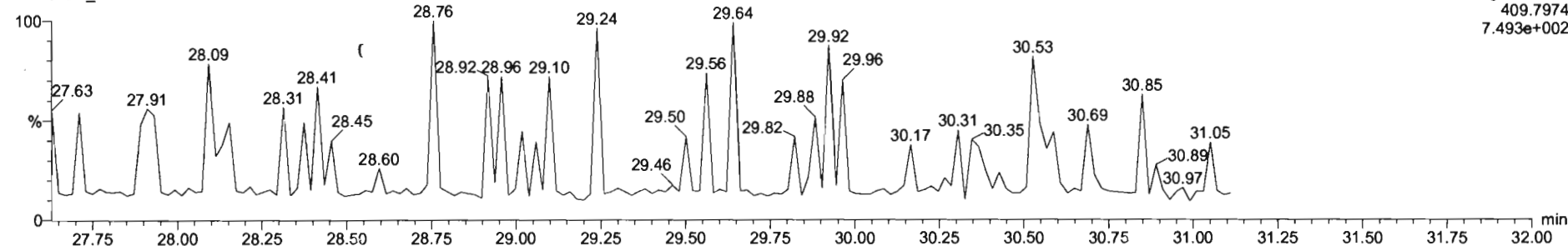


200930D2_10



DPE2

200930D2_10



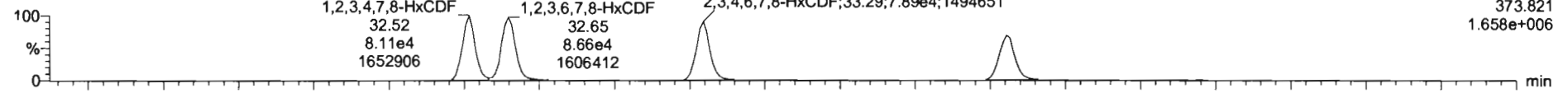
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_10.qld

Last Altered: Thursday, October 01, 2020 10:48:55 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:50:01 Pacific Daylight Time

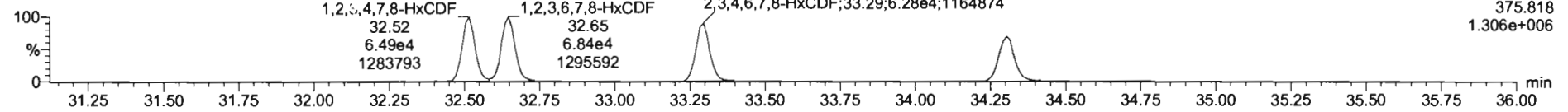
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1,2,3,4,7,8-HxCDF

200930D2_10

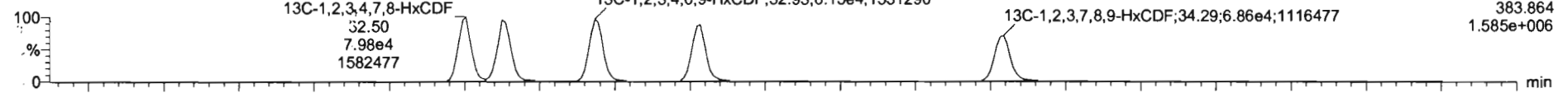


200930D2_10

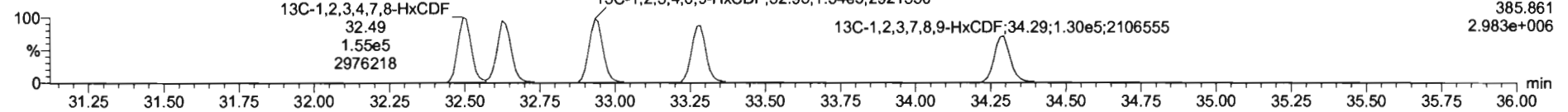


13C-1,2,3,4,7,8-HxCDF

200930D2_10

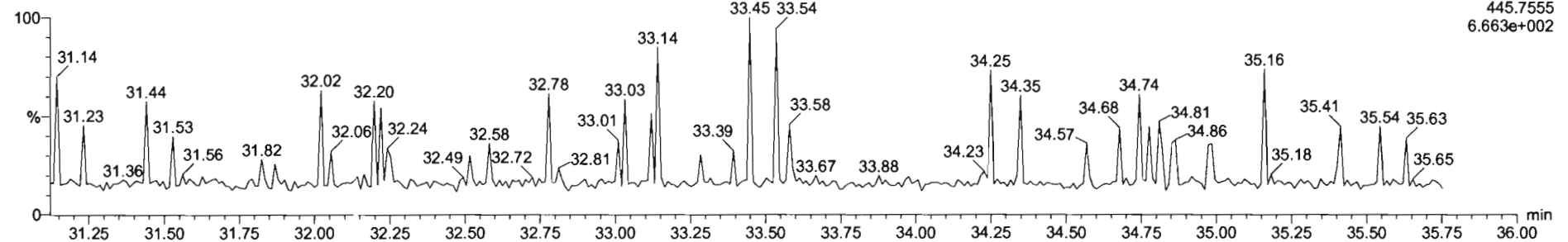


200930D2_10



DPE3

200930D2_10

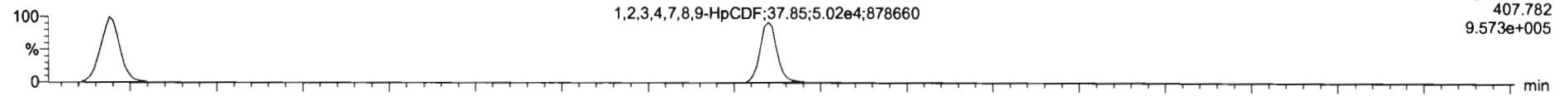


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_10.qld
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Printed: Thursday, October 01, 2020 10:50:01 Pacific Daylight Time

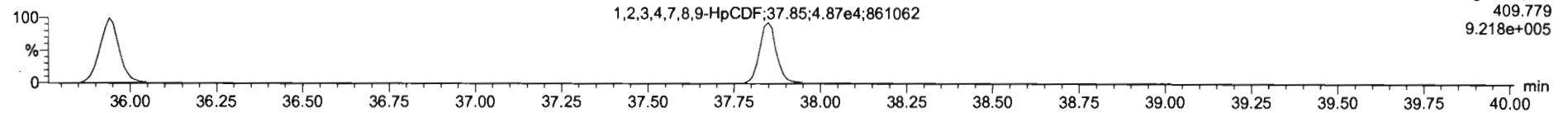
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1,2,3,4,6,7,8-HpCDF

200930D2_10

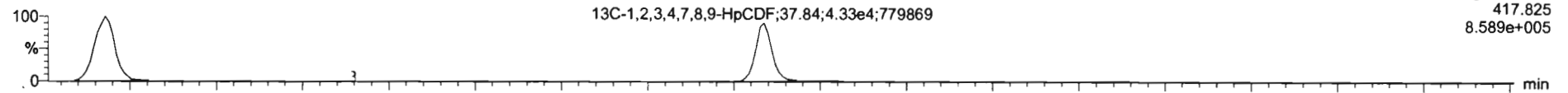


200930D2_10

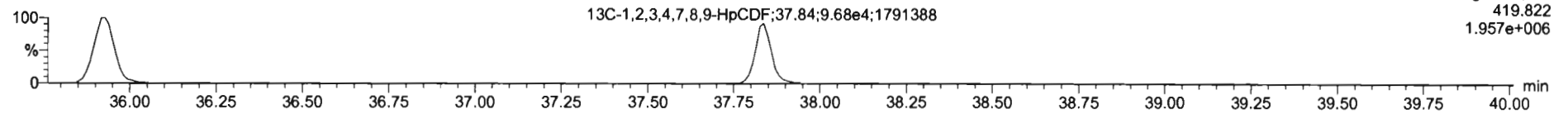


13C-1,2,3,4,6,7,8-HpCDF

200930D2_10

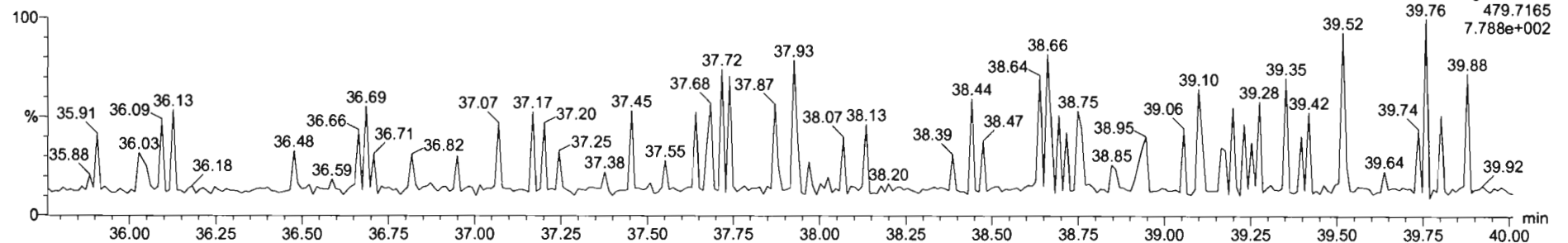


200930D2_10



DPE4

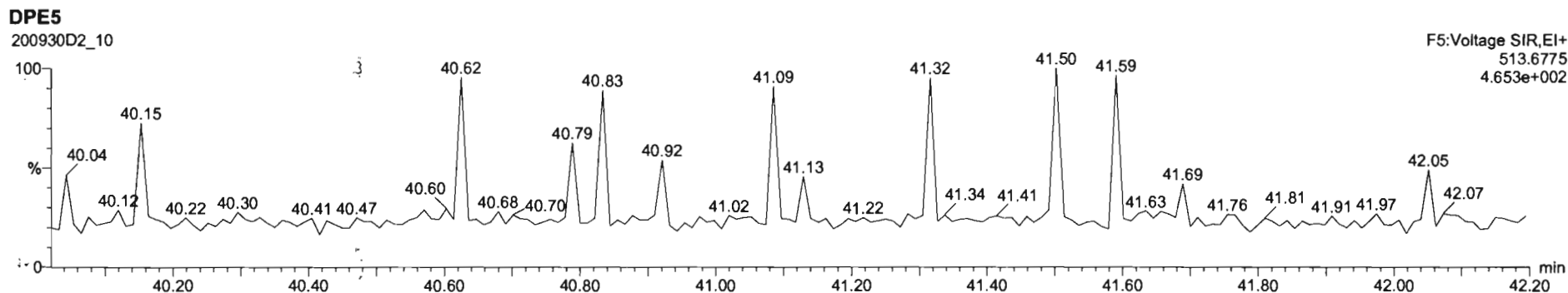
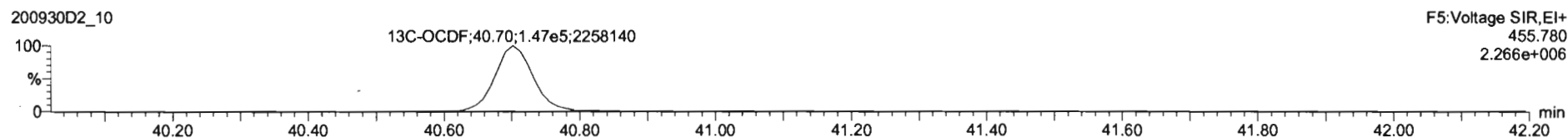
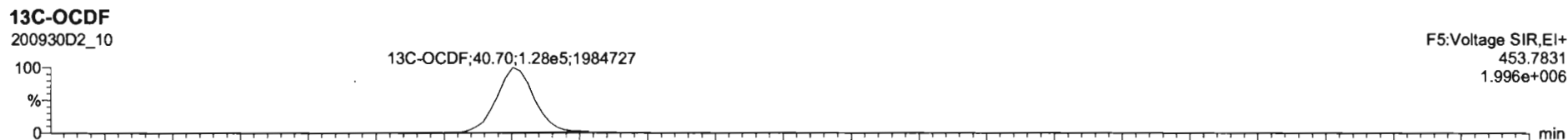
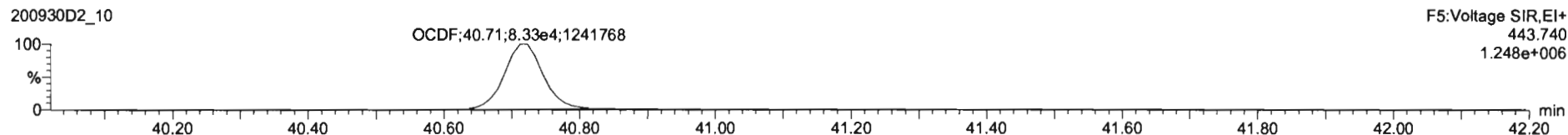
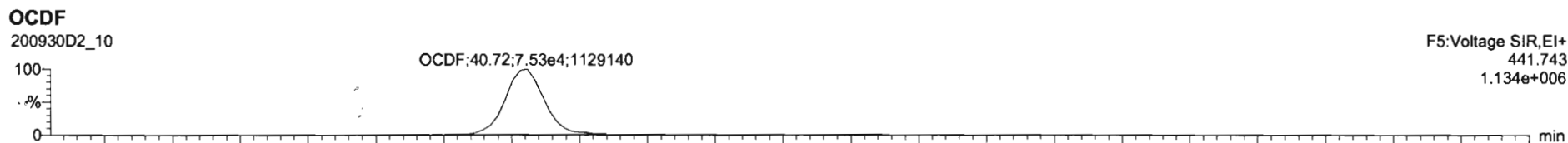
200930D2_10



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_10.qld

Last Altered: Thursday, October 01, 2020 10:48:55 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:50:01 Pacific Daylight Time

Name: 200930D2_10, Date: 30-Sep-2020, Time: 19:40:20, ID: B0I0193-BS1 OPR 10, Description: OPR

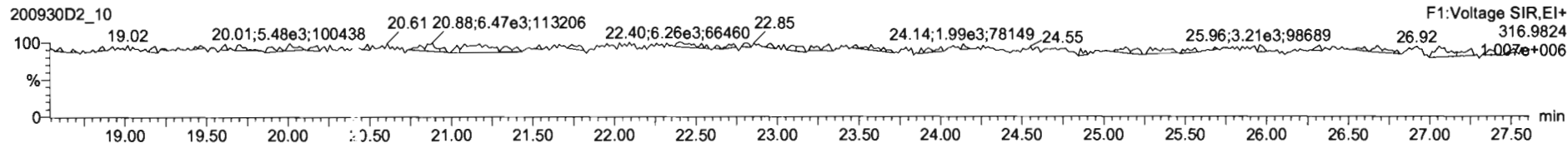


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_10.qld

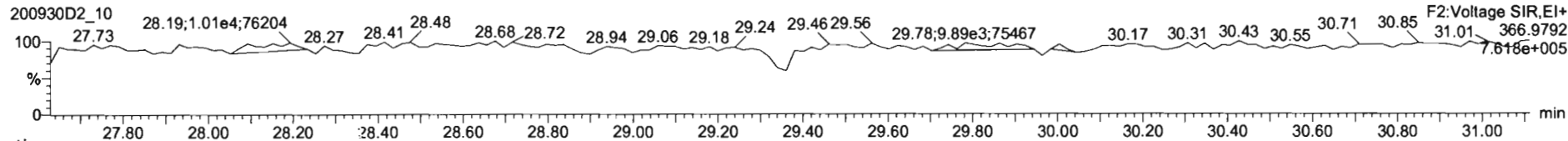
Last Altered: Thursday, October 01, 2020 10:48:55 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:50:01 Pacific Daylight Time

Name: 200930D2_10, Date: 30-Sep-2020, Time: 19:40:20, ID: B0I0193-BS1 OPR 10, Description: OPR

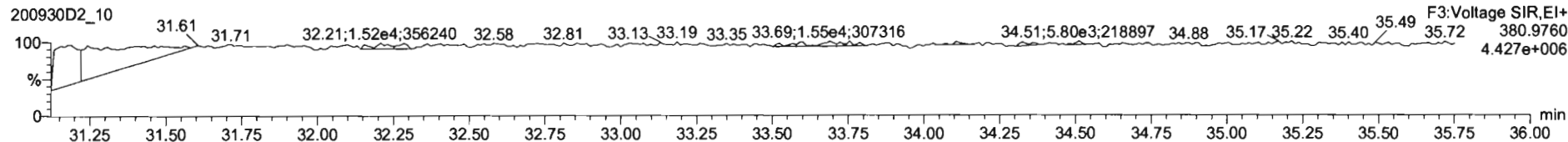
PFK1



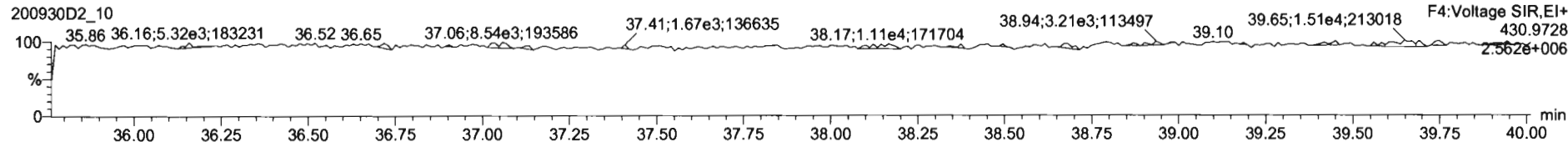
PFK2



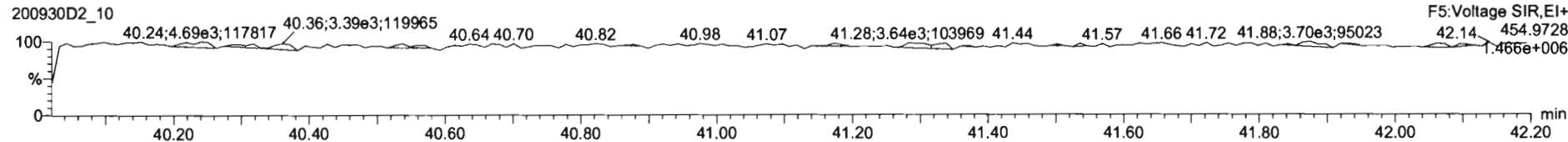
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_13.qld

Last Altered: Thursday, October 01, 2020 14:13:37 Pacific Daylight Time

Printed: Thursday, October 01, 2020 14:15:36 Pacific Daylight Time

DB 10/1/20 CT 10/06/2020

Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_13, Date: 30-Sep-2020, Time: 21:57:18, ID: 2002003-01 PDI-018SC-A-00-01-190926 10.15, Description: PDI-018SC-A-00-01-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	1.00	8.580 ✓	25.837		1.001				0.113	
2	2 1,2,3,7,8-PeCDD			NO	0.935	8.580	30.187		1.001				0.179	
3	3 1,2,3,4,7,8-HxCDD	1.90e2	1.50	YES	1.15	8.580	33.415	33.43	1.000	1.001	0.25266		0.194	0.228
4	4 1,2,3,6,7,8-HxCDD	5.89e2	1.28	NO	1.02	8.580	33.525	33.55	1.000	1.001	0.78249		0.188	0.782
5	5 1,2,3,7,8,9-HxCDD	3.21e2	1.35	NO	1.06	8.580	33.845	33.82	1.001	1.000	0.41575		0.192	0.416
6	6 1,2,3,4,6,7,8-HpCDD	1.62e4	1.12	NO	1.00	8.580	37.212	37.21	1.000	1.000	26.021		0.595	26.0
7	7 OCDD	1.07e5	0.88	NO	0.952	8.580	40.394	40.42	1.000	1.001	229.08		0.407	229
8	8 2,3,7,8-TCDF	8.29e2	0.88	NO	1.01	8.580	25.173	25.16	1.001	1.001	0.53470		0.102	0.535
9	9 1,2,3,7,8-PeCDF	5.13e2	1.14	YES	0.998	8.580	29.018	29.02	1.001	1.001	0.40609		0.107	0.357
10	10 2,3,4,7,8-PeCDF	4.55e2	1.63	NO	1.07	8.580	29.994	29.98	1.001	1.001	0.35257		0.0890	0.353
11	11 1,2,3,4,7,8-HxCDF	9.13e2	1.19	NO	1.05	8.580	32.516	32.54	1.000	1.001	0.89437		0.134	0.894
12	12 1,2,3,6,7,8-HxCDF	4.37e2	1.21	NO	1.10	8.580	32.657	32.67	1.000	1.001	0.40864		0.134	0.409
13	13 2,3,4,6,7,8-HxCDF	2.65e2	1.25	NO	1.09	8.580	33.317	33.32	1.001	1.001	0.26905		0.148	0.269
14	14 1,2,3,7,8,9-HxCDF	2.39e2	1.32	NO	1.08	8.580	34.305	34.34	1.000	1.001	0.26526		0.182	0.265
15	15 1,2,3,4,6,7,8-HpCDF	1.95e3	1.05	NO	1.13	8.580	35.975	35.96	1.001	1.001	2.1338		0.180	2.13
16	16 1,2,3,4,7,8,9-HpCDF	3.19e2	1.04	NO	1.29	8.580	37.849	37.86	1.000	1.000	0.41219		0.187	0.412
17	17 OCDF	4.03e3	0.91	NO	0.953	8.580	40.713	40.73	1.000	1.001	7.5174		0.205	7.52
18	18 13C-2,3,7,8-TCDD	2.34e5	0.75	NO	1.17	8.580	25.802	25.81	1.026	1.026	224.99	96.5	0.565	
19	19 13C-1,2,3,7,8-PeCDD	1.88e5	0.63	NO	0.914	8.580	29.992	30.17	1.193	1.200	232.22	99.6	0.599	
20	20 13C-1,2,3,4,7,8-HxCDD	1.52e5	1.30	NO	0.634	8.580	33.405	33.40	1.014	1.014	235.89	101	0.794	
21	21 13C-1,2,3,6,7,8-HxCDD	1.71e5	1.25	NO	0.724	8.580	33.514	33.53	1.017	1.018	232.90	99.9	0.695	
22	22 13C-1,2,3,7,8,9-HxCDD	1.70e5	1.27	NO	0.716	8.580	33.781	33.81	1.025	1.026	233.33	100	0.703	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.45e5	1.07	NO	0.660	8.580	37.194	37.20	1.129	1.129	216.30	92.8	1.02	
24	24 13C-OCDD	2.28e5	0.89	NO	0.587	8.580	40.172	40.39	1.219	1.226	383.11	82.2	0.597	
25	25 13C-2,3,7,8-TCDF	3.57e5	0.74	NO	1.02	8.580	24.897	25.15	0.990	1.000	220.00	94.4	0.446	
26	26 13C-1,2,3,7,8-PeCDF	2.95e5	1.61	NO	0.842	8.580	29.064	29.00	1.156	1.153	220.89	94.8	0.573	
27	27 13C-2,3,4,7,8-PeCDF	2.80e5	1.63	NO	0.802	8.580	29.951	29.96	1.191	1.192	220.30	94.5	0.602	
28	28 13C-1,2,3,4,7,8-HxCDF	2.26e5	0.52	NO	1.00	8.580	32.549	32.52	0.988	0.987	222.11	95.3	0.740	
29	29 13C-1,2,3,6,7,8-HxCDF	2.27e5	0.51	NO	1.02	8.580	32.680	32.65	0.992	0.991	219.07	94.0	0.728	
30	30 13C-2,3,4,6,7,8-HxCDF	2.11e5	0.52	NO	0.955	8.580	33.244	33.28	1.009	1.010	217.66	93.4	0.777	
31	31 13C-1,2,3,7,8,9-HxCDF	1.94e5	0.51	NO	0.851	8.580	34.308	34.31	1.041	1.041	224.70	96.4	0.872	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_13.qld

Last Altered: Thursday, October 01, 2020 14:13:37 Pacific Daylight Time

Printed: Thursday, October 01, 2020 14:15:36 Pacific Daylight Time

Name: 200930D2_13, Date: 30-Sep-2020, Time: 21:57:18, ID: 2002003-01 PDI-018SC-A-00-01-190926 10.15, Description: PDI-018SC-A-00-01-190926

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.88e5	0.43	NO	0.848	8.580	35.810	35.94	1.087	1.091	218.31	93.7	0.931	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.40e5	0.43	NO	0.624	8.580	37.787	37.85	1.147	1.149	221.39	95.0	1.27	
34	34 13C-OCDF	2.62e5	0.89	NO	0.730	8.580	40.323	40.71	1.224	1.236	353.42	75.8	0.494	
35	35 37Cl-2,3,7,8-TCDD	1.19e5			1.21	8.580	25.799	25.82	1.026	1.027	111.46	120	0.122	
36	36 13C-1,2,3,4-TCDD	2.06e5	0.79	NO	1.00	8.580	25.260	25.15	1.000	1.000	233.10	100	0.663	
37	37 13C-1,2,3,4-TCDF	3.70e5	0.78	NO	1.00	8.580	23.930	23.80	1.000	1.000	233.10	100	0.456	
38	38 13C-1,2,3,4,6,9-HxCDF	2.37e5	0.52	NO	1.00	8.580	32.990	32.94	1.000	1.000	233.10	100	0.742	
39	39 Total Tetra-Dioxins				1.00	8.580	24.620		0.000				0.0673	
40	40 Total Penta-Dioxins				0.935	8.580	29.960		0.000				0.0987	
41	41 Total Hexa-Dioxins				1.02	8.580	33.635		0.000		5.1108		0.201	6.73
42	42 Total Hepta-Dioxins				1.00	8.580	37.640		0.000		60.656		0.595	60.7
43	43 Total Tetra-Furans				1.01	8.580	23.610		0.000		1.6614		0.102	1.89
44	44 1st Func. Penta-Furans				0.998	8.580	26.750		0.000		0.61185		0.0550	0.612
45	45 Total Penta-Furans				0.998	8.580	29.275		0.000		0.86427		0.101	1.40
46	46 Total Hexa-Furans				1.09	8.580	33.555		0.000		4.7302		0.147	4.73
47	47 Total Hepta-Furans				1.13	8.580	37.835		0.000		7.5499		0.194	7.55

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Dataset: U:\VG7.PRO\Results\200930D2\200930D2_13.qld

Last Altered: Thursday, October 01, 2020 14:13:37 Pacific Daylight Time

Printed: Thursday, October 01, 2020 14:15:36 Pacific Daylight Time

Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_13, Date: 30-Sep-2020, Time: 21:57:18, ID: 2002003-01 PDI-018SC-A-00-01-190926 10.15, Description: PDI-018SC-A-00-01-190926

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	31.80	2.458e4	1.870e4	1.224e3	1.002e3	1.22	NO	2.226e3	3.0857	3.0857	0.201
2	Total Hexa-Dioxins	32.38	3.449e3	3.373e3	1.854e2	1.553e2	1.19	NO	3.406e2	0.47207	0.47207	0.201
3	Total Hexa-Dioxins	32.68	1.804e4	1.186e4	5.791e2	3.758e2	1.54	YES	0.000e0	0.00000	1.1666	0.201
4	Total Hexa-Dioxins	32.77	2.103e3	2.965e3	1.370e2	1.189e2	1.15	NO	2.560e2	0.35478	0.35478	0.201
5	1,2,3,4,7,8-HxCDD	33.43	2.170e3	1.662e3	1.141e2	7.621e1	1.50	YES	1.903e2	0.00000	0.22751	0.194
6	1,2,3,6,7,8-HxCDD	33.55	4.979e3	4.406e3	3.303e2	2.586e2	1.28	NO	5.890e2	0.78249	0.78249	0.188
7	Total Hexa-Dioxins	33.71	2.835e3	1.301e3	1.076e2	7.406e1	1.45	YES	0.000e0	0.00000	0.22991	0.201
8	1,2,3,7,8,9-HxCDD	33.82	3.191e3	2.228e3	1.845e2	1.366e2	1.35	NO	3.211e2	0.41575	0.41575	0.192

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.31	1.795e5	1.750e5	1.100e4	1.060e4	1.04	NO	2.159e4	34.635	34.635	0.595
2	1,2,3,4,6,7,8-HpCDD	37.21	1.574e5	1.403e5	8.564e3	7.659e3	1.12	NO	1.622e4	26.021	26.021	0.595

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Dataset: U:\VG7.PRO\Results\200930D2\200930D2_13.qld

Last Altered: Thursday, October 01, 2020 14:13:37 Pacific Daylight Time

Printed: Thursday, October 01, 2020 14:15:36 Pacific Daylight Time

Name: 200930D2_13, Date: 30-Sep-2020, Time: 21:57:18, ID: 2002003-01 PDI-018SC-A-00-01-190926 10.15, Description: PDI-018SC-A-00-01-190926

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.65	2.047e3	2.475e3	1.556e2	2.058e2	0.76	NO	0.000e0	0.00000	0.23312	0.102
2	Total Tetra-Furans	22.46	1.934e3	2.728e3	1.937e2	2.230e2	0.87	NO	4.167e2	0.26881	0.26881	0.102
3	Total Tetra-Furans	23.86	1.631e3	3.028e3	1.899e2	2.882e2	0.66	NO	4.781e2	0.30846	0.30846	0.102
4	Total Tetra-Furans	24.28	4.215e3	4.334e3	2.745e2	3.575e2	0.77	NO	6.319e2	0.40768	0.40768	0.102
5	Total Tetra-Furans	25.09	1.392e3	1.963e3	9.443e1	1.253e2	0.75	NO	2.198e2	0.14179	0.14179	0.102
6	2,3,7,8-TCDF	25.16	5.695e3	5.806e3	3.879e2	4.409e2	0.88	NO	8.288e2	0.53470	0.53470	0.102

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.62	8.315e3	4.390e3	4.778e2	2.753e2	1.74	NO	7.531e2	0.61185	0.61185	0.0550

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.09	5.374e3	4.411e3	3.878e2	2.620e2	1.40	NO	6.298e2	0.51170	0.51170	0.101
2	1,2,3,7,8-PeCDF	29.02	6.604e3	6.911e3	2.737e2	2.391e2	1.14	YES	5.128e2	0.00000	0.35654	0.107
3	Total Penta-Furans	29.26	1.895e3	2.335e3	1.315e2	1.202e2	1.09	YES	0.000e0	0.00000	0.17576	0.101
4	2,3,4,7,8-PeCDF	29.98	4.437e3	2.567e3	2.819e2	1.732e2	1.63	NO	4.551e2	0.35257	0.35257	0.0890

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.29	3.980e3	3.899e3	1.901e2	1.580e2	1.20	NO	3.481e2	0.34765	0.34765	0.147
2	Total Hexa-Furans	31.44	1.009e4	8.536e3	5.169e2	4.212e2	1.23	NO	9.380e2	0.93679	0.93679	0.147
3	Total Hexa-Furans	32.07	1.627e4	1.316e4	9.132e2	6.974e2	1.31	NO	1.611e3	1.6085	1.6085	0.147
4	1,2,3,4,7,8-HxCDF	32.54	8.801e3	7.584e3	4.952e2	4.177e2	1.19	NO	9.129e2	0.89437	0.89437	0.134
5	1,2,3,6,7,8-HxCDF	32.67	3.914e3	3.382e3	2.396e2	1.975e2	1.21	NO	4.371e2	0.40864	0.40864	0.134
6	2,3,4,6,7,8-HxCDF	33.32	2.116e3	2.222e3	1.473e2	1.178e2	1.25	NO	2.651e2	0.26905	0.26905	0.148
7	1,2,3,7,8,9-HxCDF	34.34	3.033e3	2.069e3	1.361e2	1.032e2	1.32	NO	2.392e2	0.26526	0.26526	0.182

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_13.qld

Last Altered: Thursday, October 01, 2020 14:13:37 Pacific Daylight Time

Printed: Thursday, October 01, 2020 14:15:36 Pacific Daylight Time

Name: 200930D2_13, Date: 30-Sep-2020, Time: 21:57:18, ID: 2002003-01 PDI-018SC-A-00-01-190926 10.15, Description: PDI-018SC-A-00-01-190926

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	35.96	1.357e4	1.282e4	9.994e2	9.482e2	1.05	NO	1.948e3	2.1338	2.1338	0.180
2	Total Hepta-Furans	36.61	3.309e4	3.414e4	2.055e3	1.933e3	1.06	NO	3.988e3	5.0040	5.0040	0.194
3	1,2,3,4,7,8,9-HpCDF	37.86	2.911e3	2.217e3	1.631e2	1.562e2	1.04	NO	3.193e2	0.41219	0.41219	0.187

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_13.qld

Last Altered: Thursday, October 01, 2020 10:51:21 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:53:11 Pacific Daylight Time

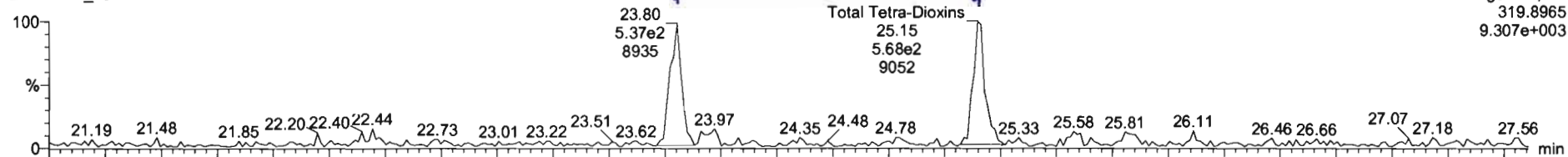
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Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

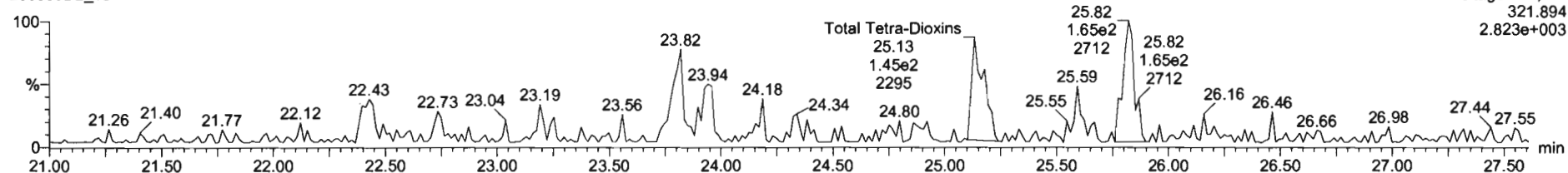
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2,3,7,8-TCDD

200930D2_13

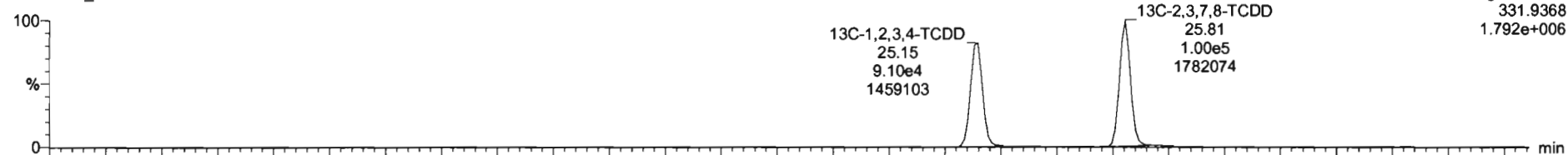


200930D2_13

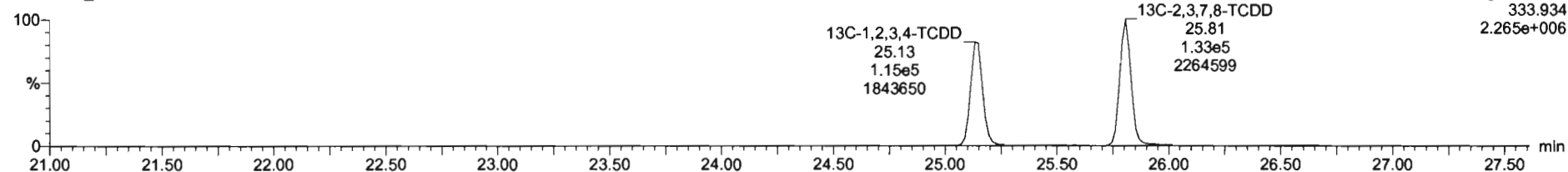


13C-2,3,7,8-TCDD

200930D2_13



200930D2_13



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_13.qld

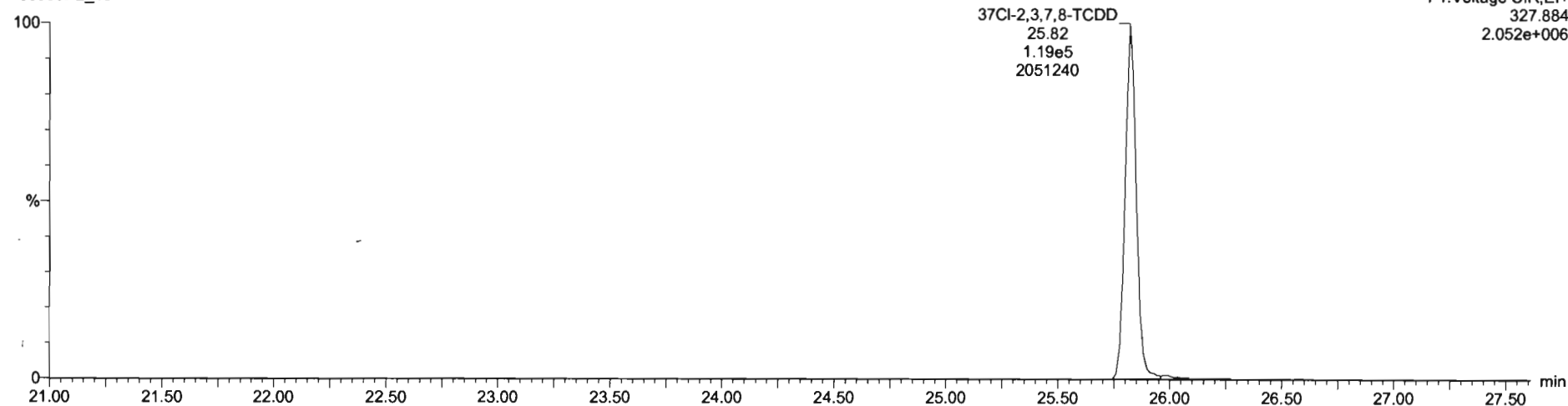
Last Altered: Thursday, October 01, 2020 10:51:21 Pacific Daylight Time

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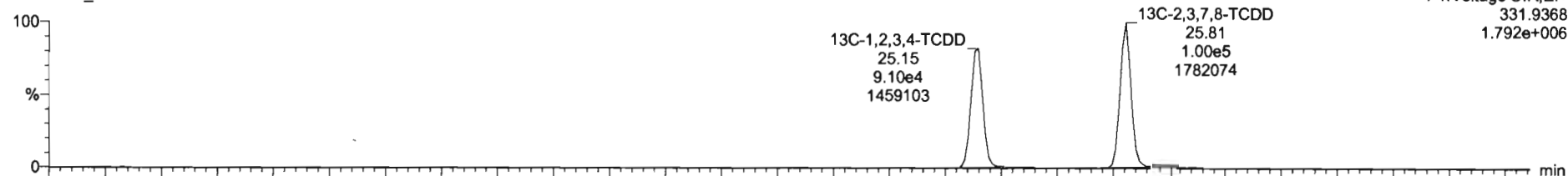
37Cl-2,3,7,8-TCDD

200930D2_13

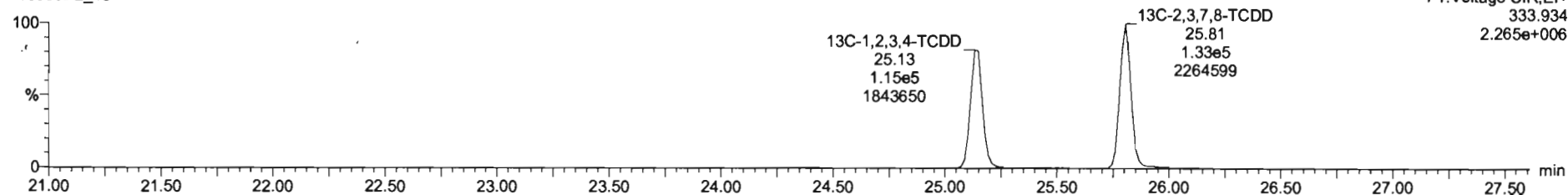


13C-1,2,3,4-TCDD

200930D2_13



200930D2_13



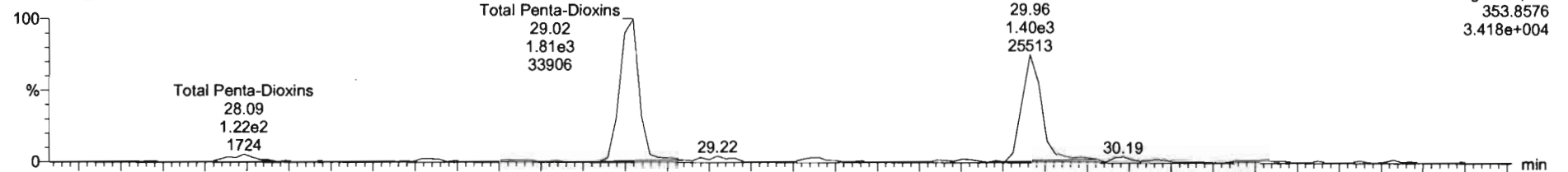
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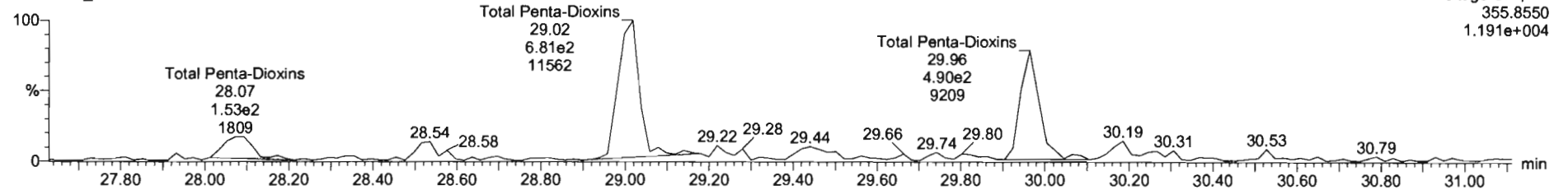
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1,2,3,7,8-PeCDD

200930D2_13

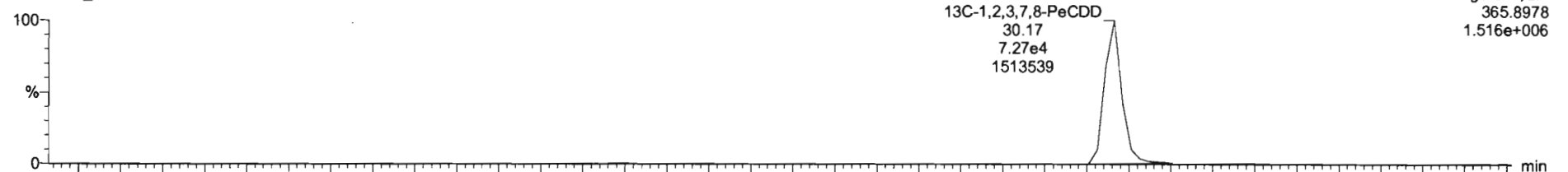


200930D2_13

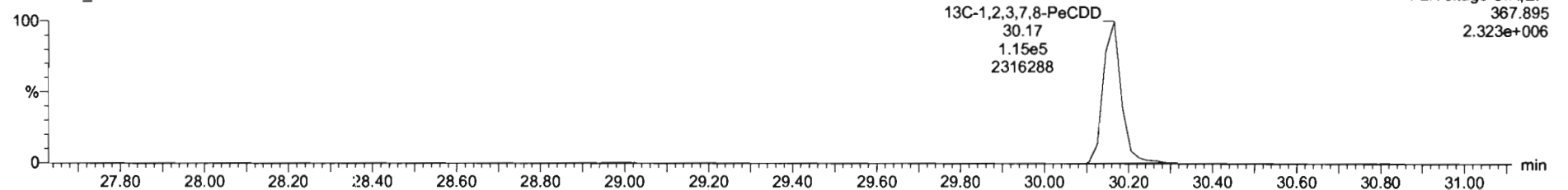


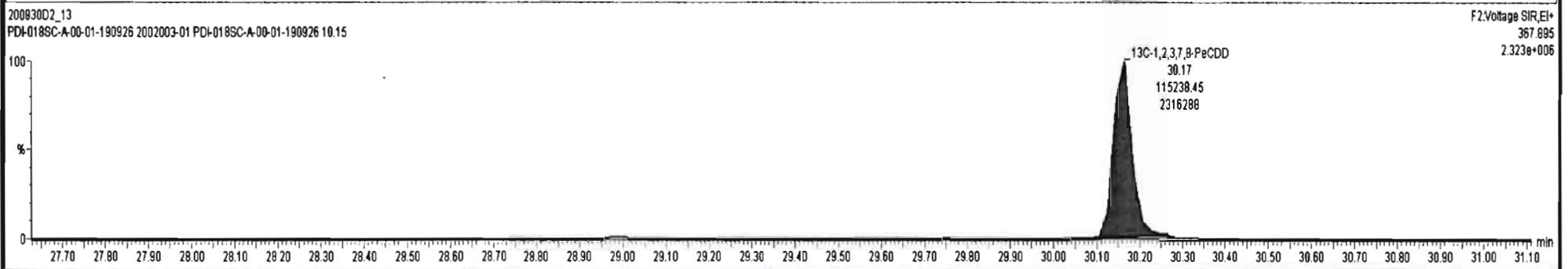
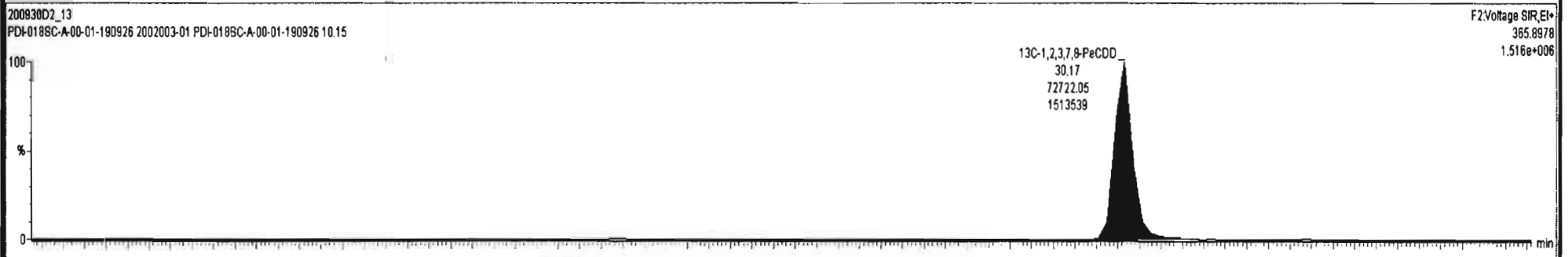
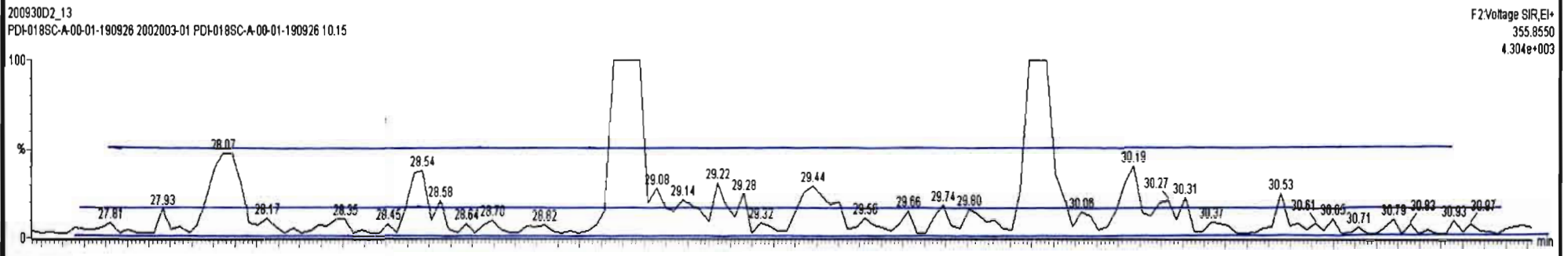
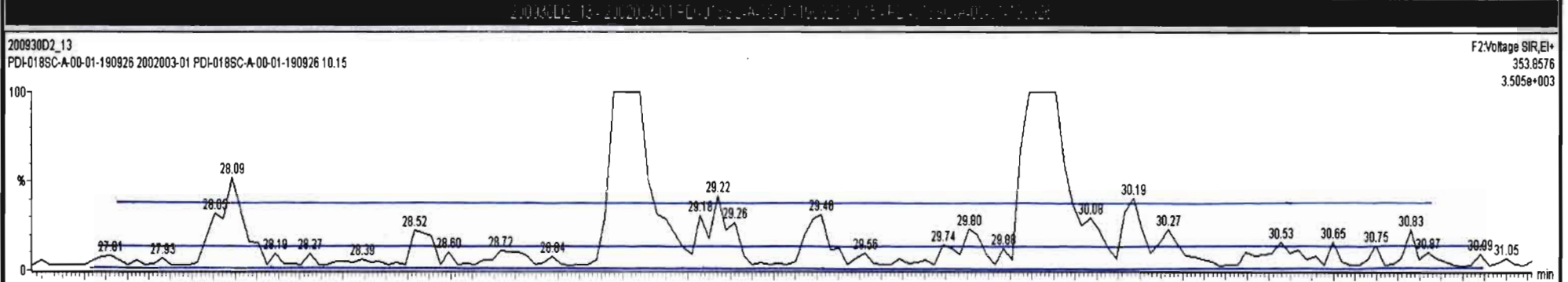
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200930D2_13



200930D2_13



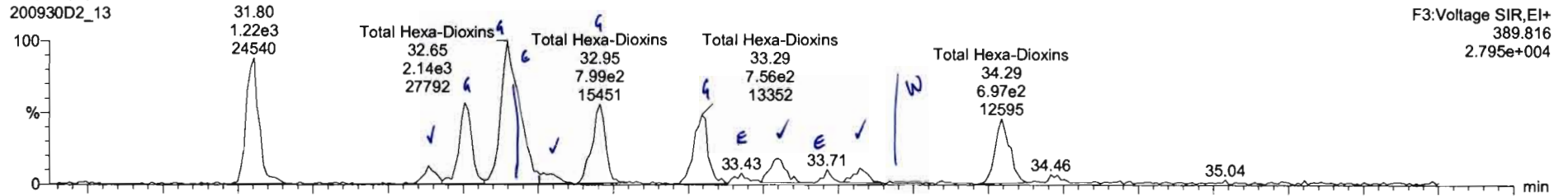


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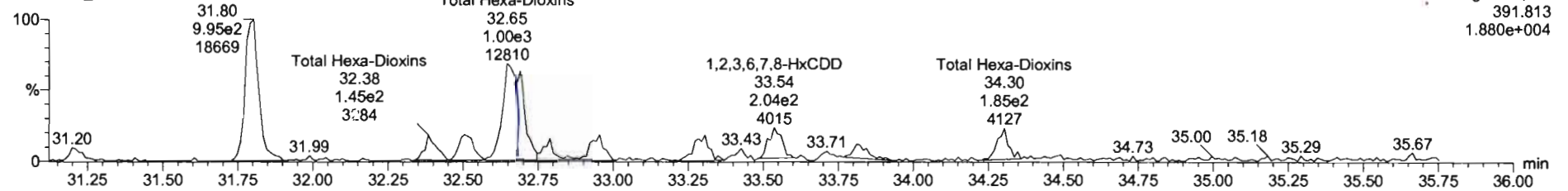
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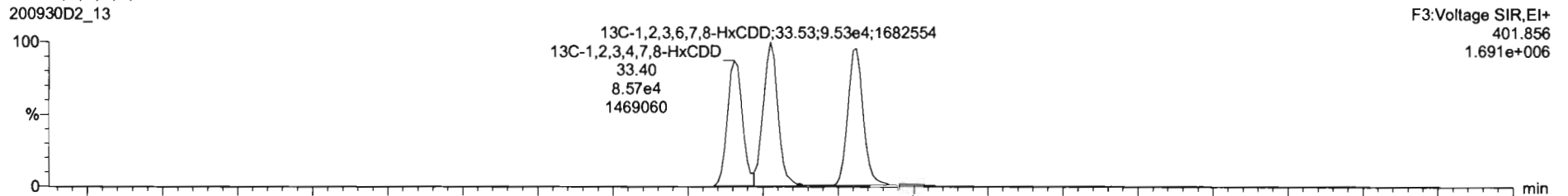
1,2,3,4,7,8-HxCDD



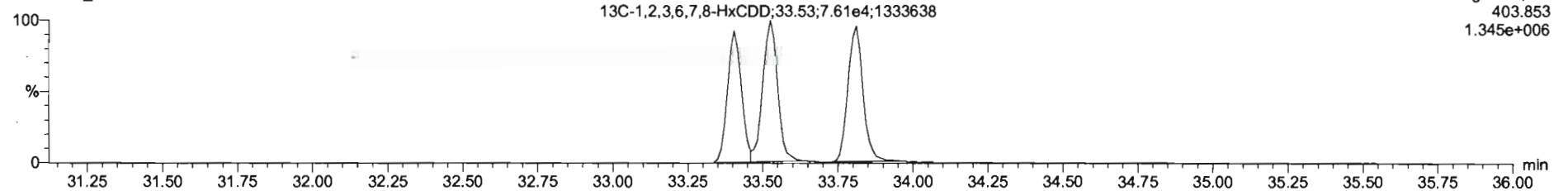
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13C-1,2,3,4,7,8-HxCDD

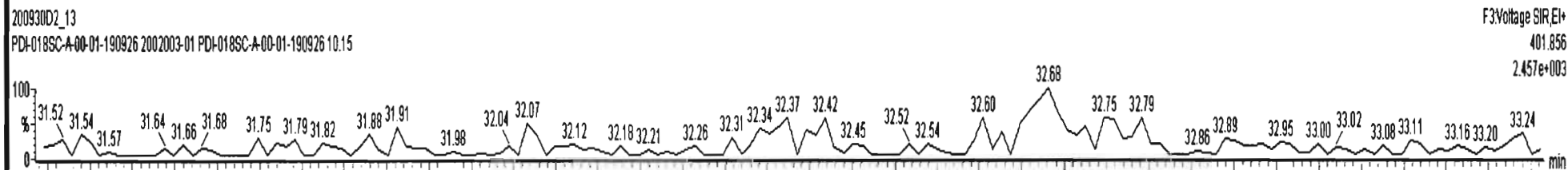
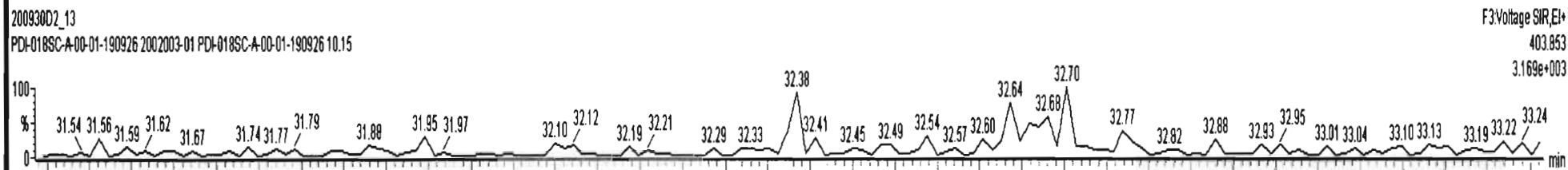
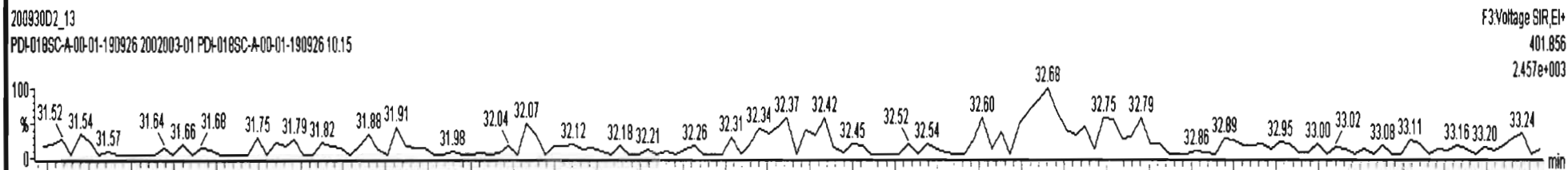
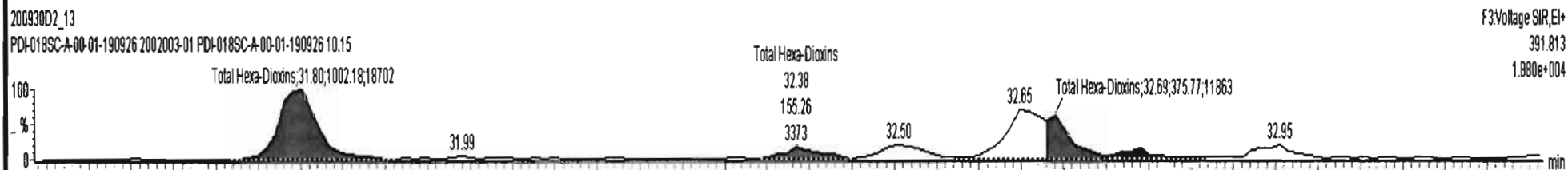
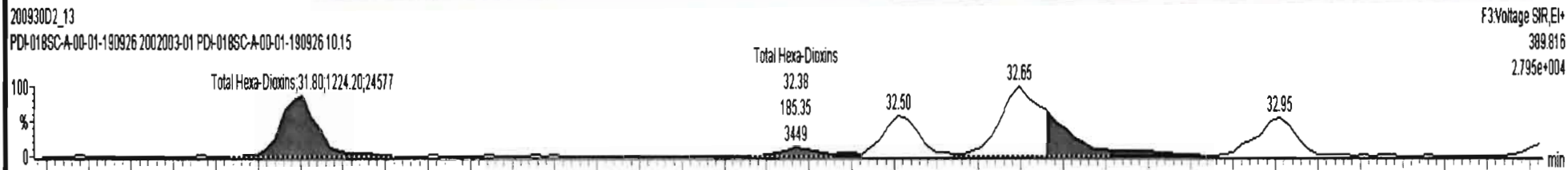


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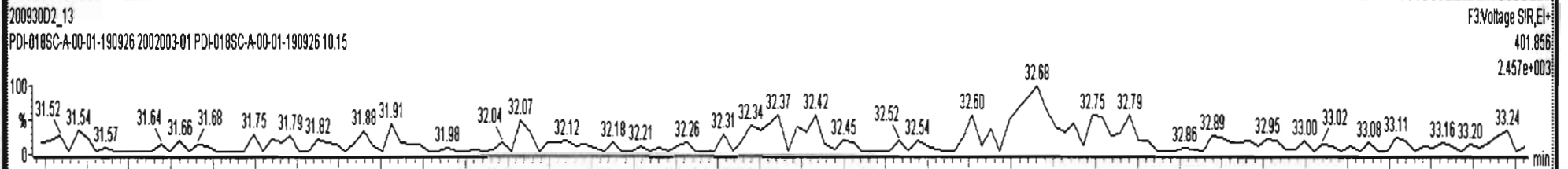
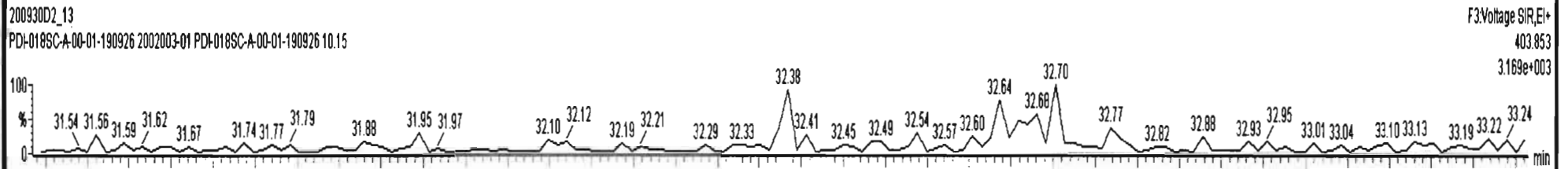
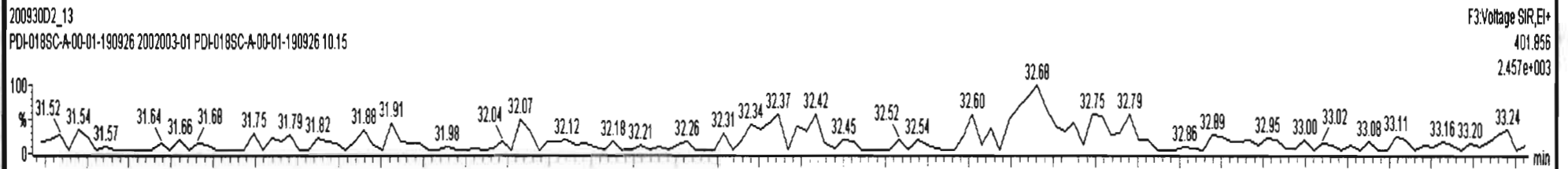
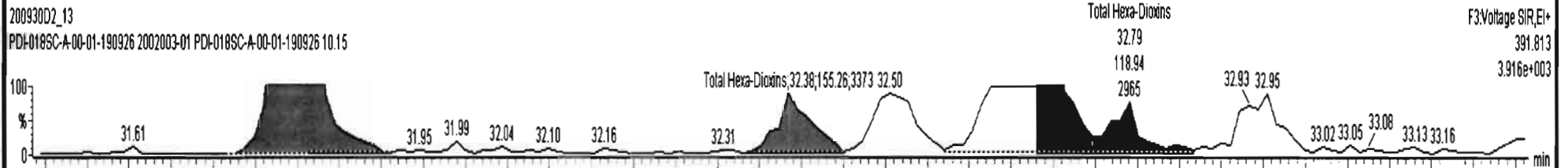
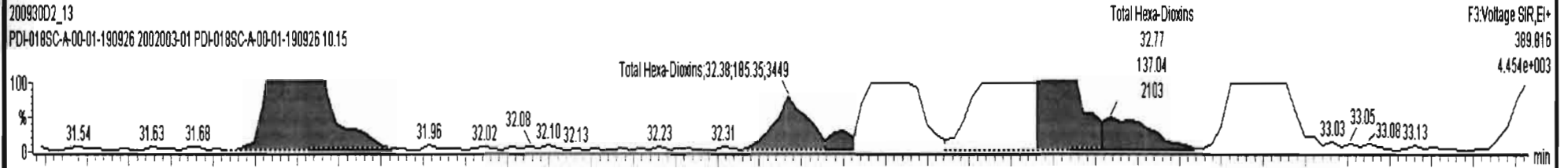


200930D2_13 - 2002003-01 PDI-018SC-A-00-01-190926 10.15 - PDI-018SC-A-00-01-190926



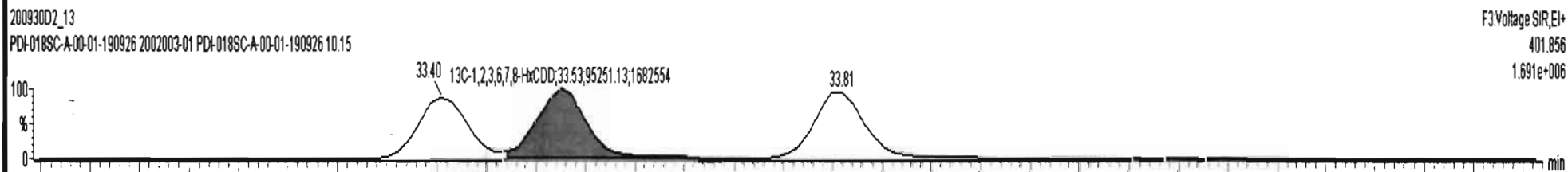
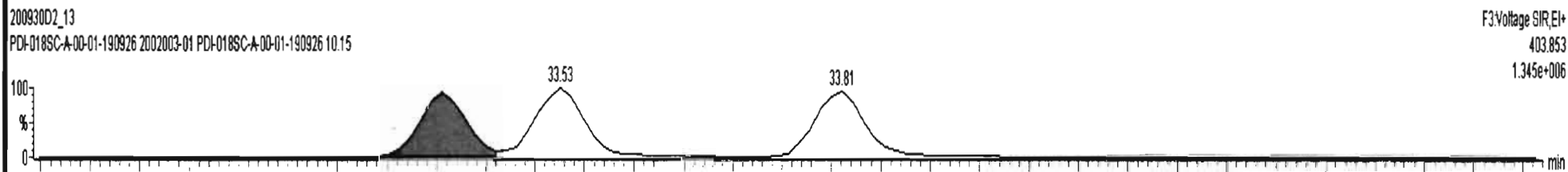
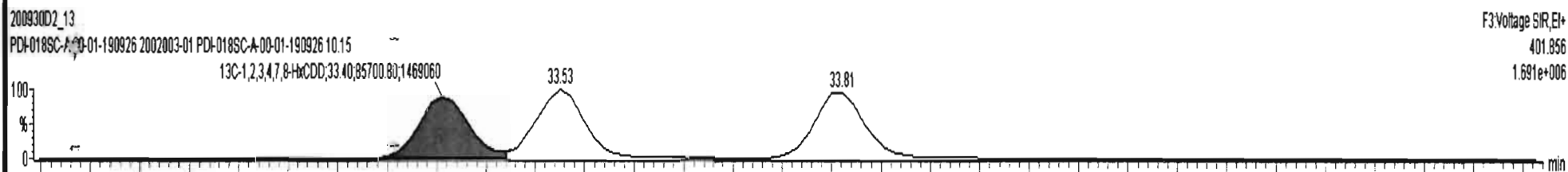
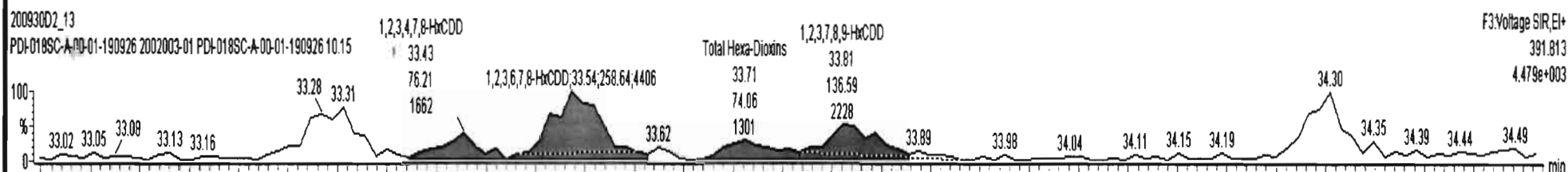
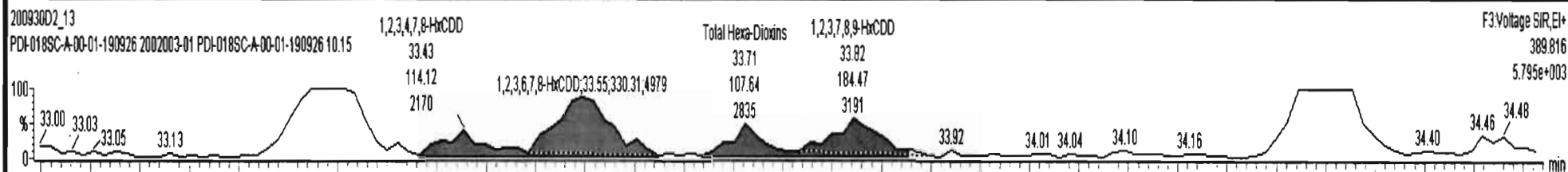


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20093002_13-2002003-01-PDI-018SC-A-00-01-190926 10 15-PE-018SC-A-00-01-190926



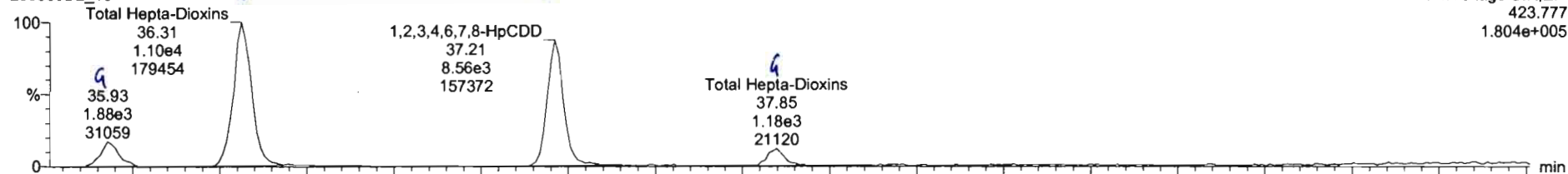
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Printed: Thursday, October 01, 2020 10:53:11 Pacific Daylight Time

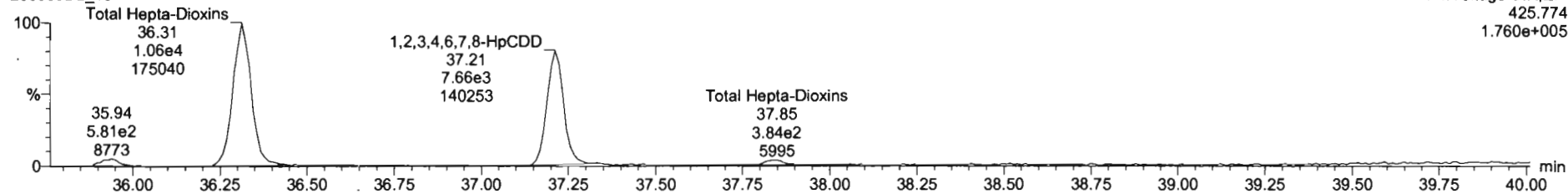
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1,2,3,4,6,7,8-HpCDD

200930D2_13

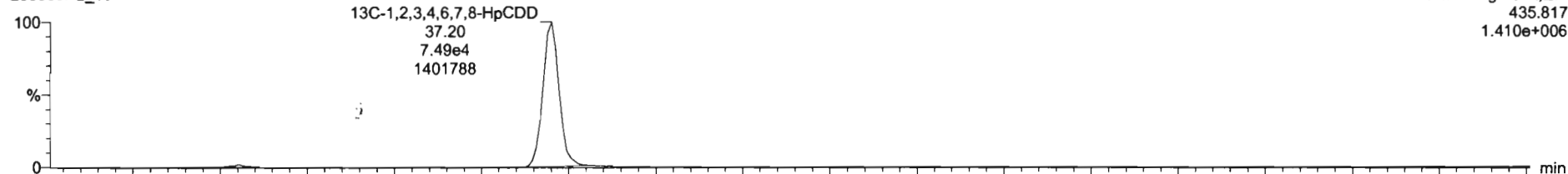


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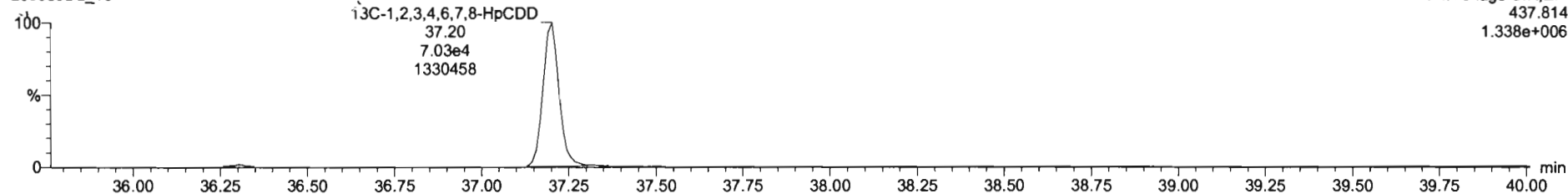


13C-1,2,3,4,6,7,8-HpCDD

200930D2_13



200930D2_13



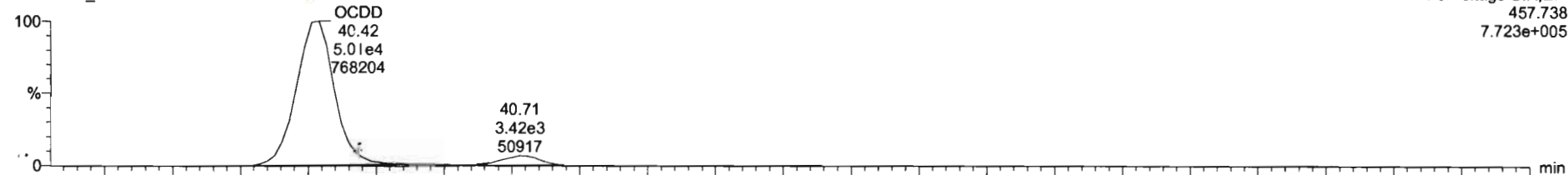
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Name: 200930D2_13, Date: 30-Sep-2020, Time: 21:57:18, ID: 2002003-01 PDI-018SC-A-00-01-190926 10.15, Description: PDI-018SC-A-00-01-190926

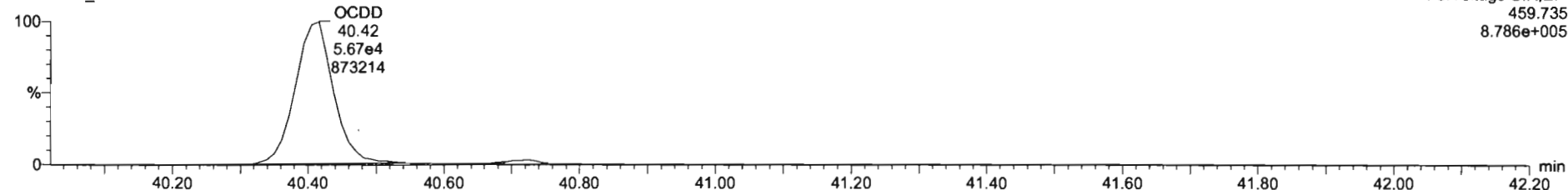
OCDD

200930D2_13



F5:Voltage SIR,EI+
457.738
7.723e+005

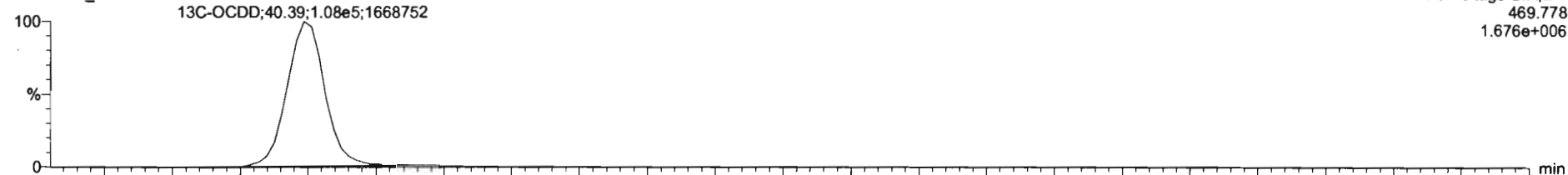
200930D2_13



F5:Voltage SIR,EI+
459.735
8.786e+005

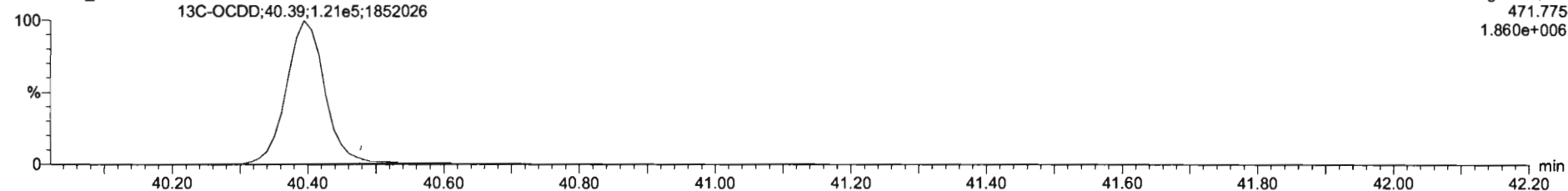
13C-OCDD

200930D2_13



F5:Voltage SIR,EI+
469.778
1.676e+006

200930D2_13



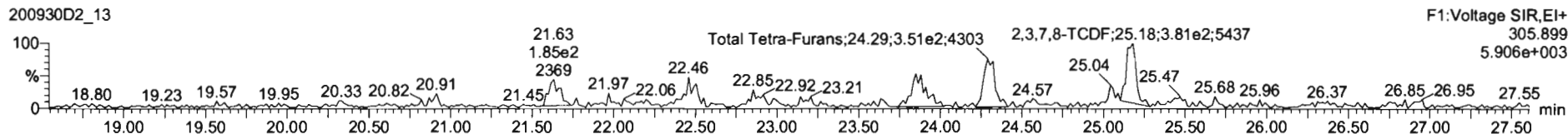
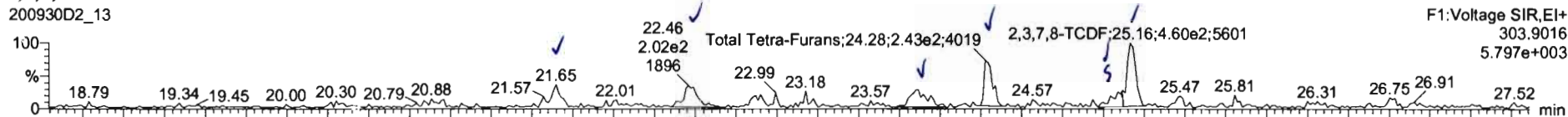
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1.860e+006

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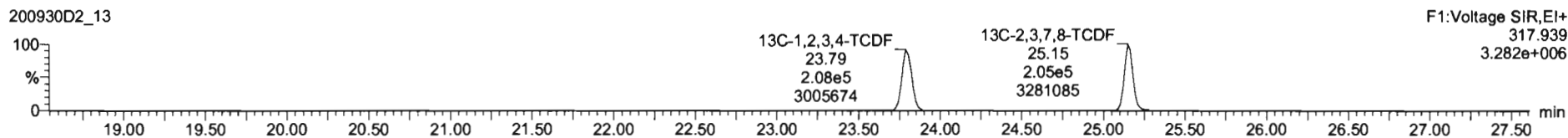
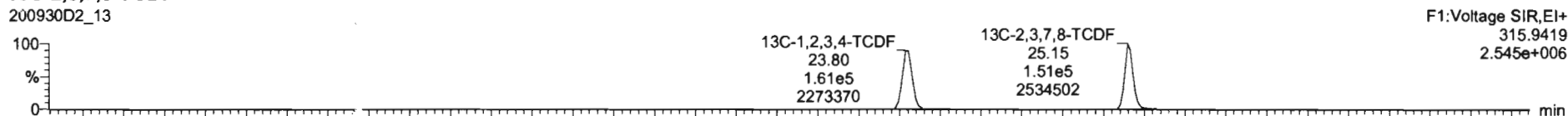
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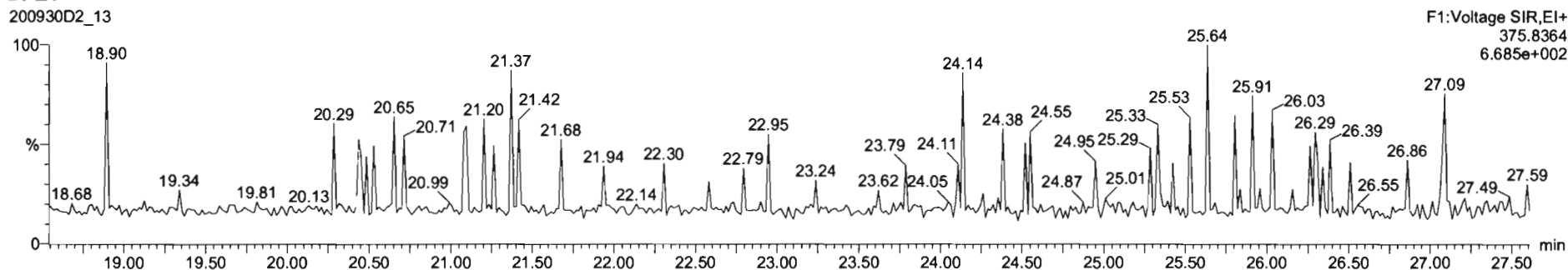
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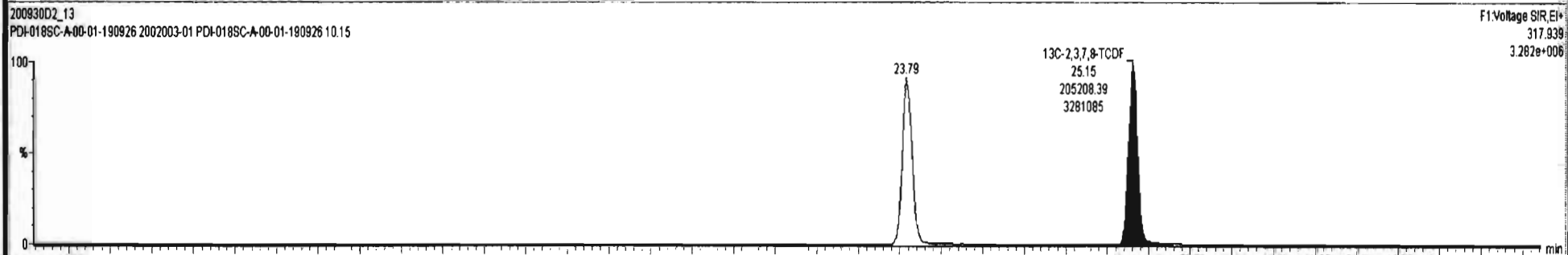
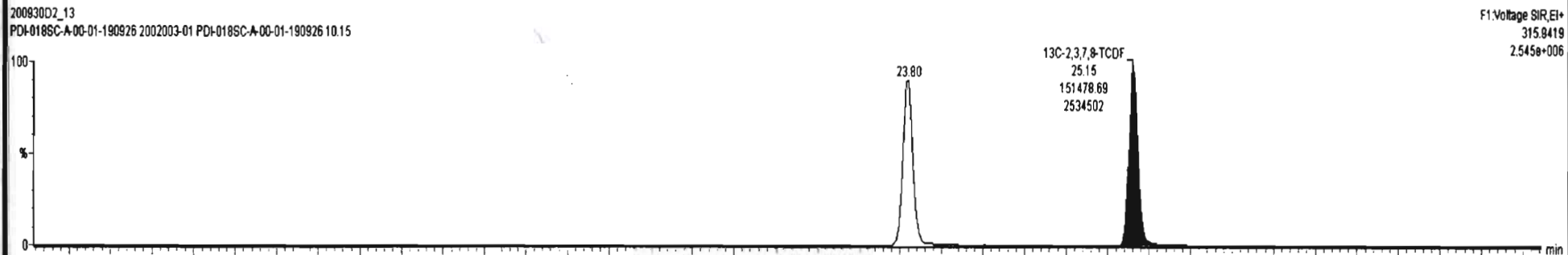
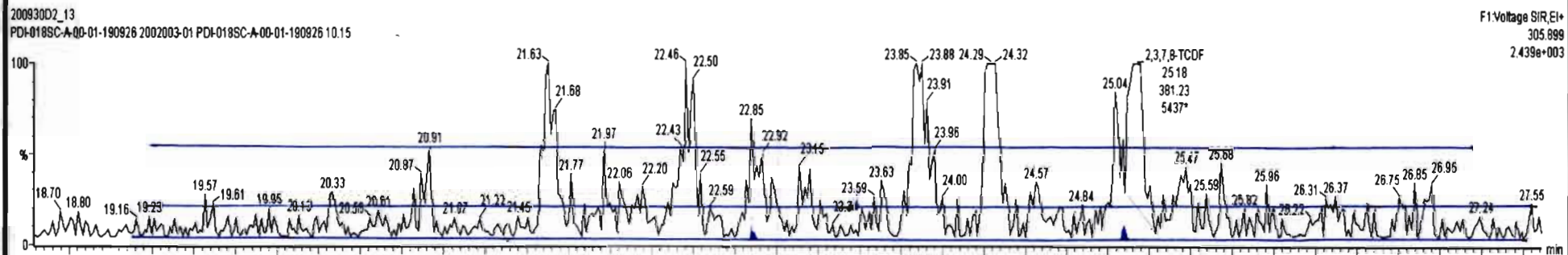
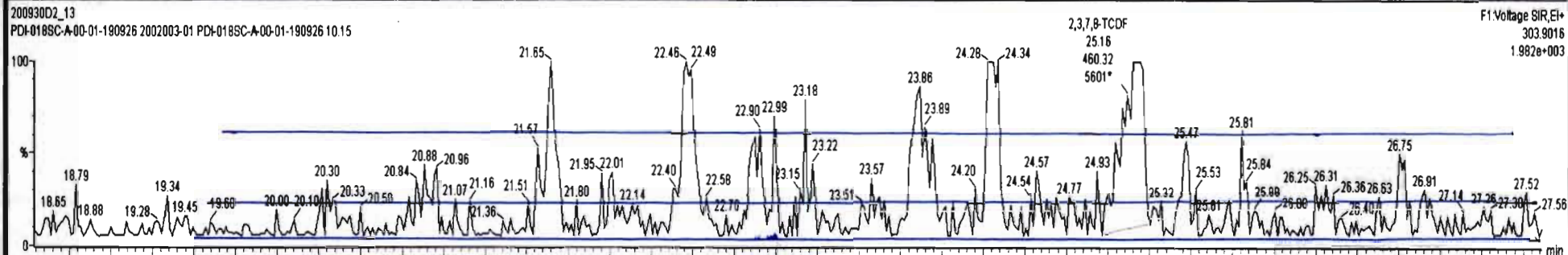


13C-2,3,7,8-TCDF

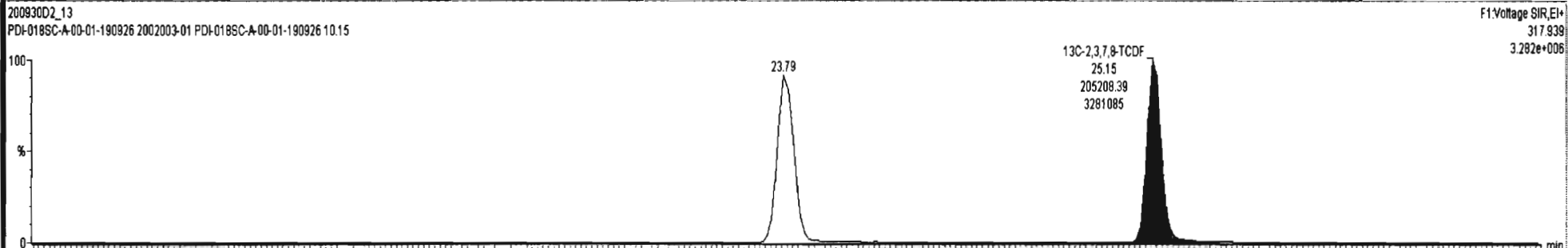
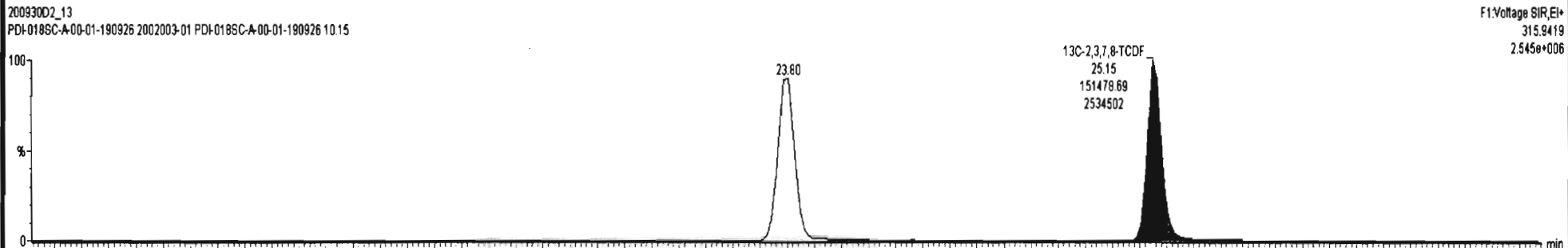
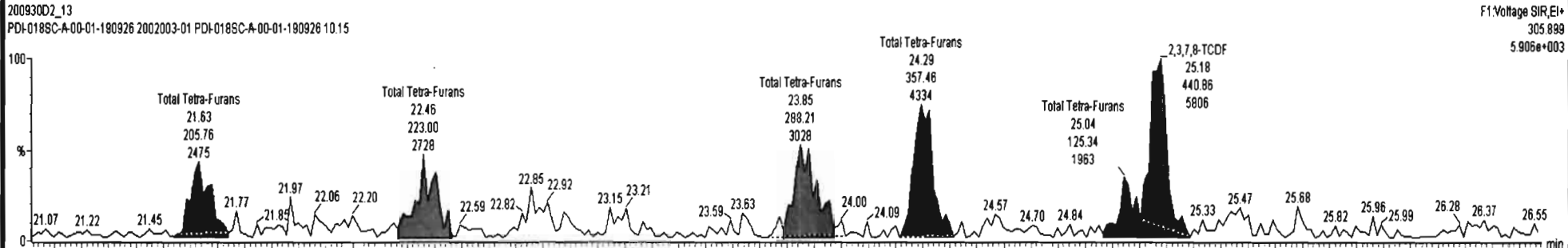
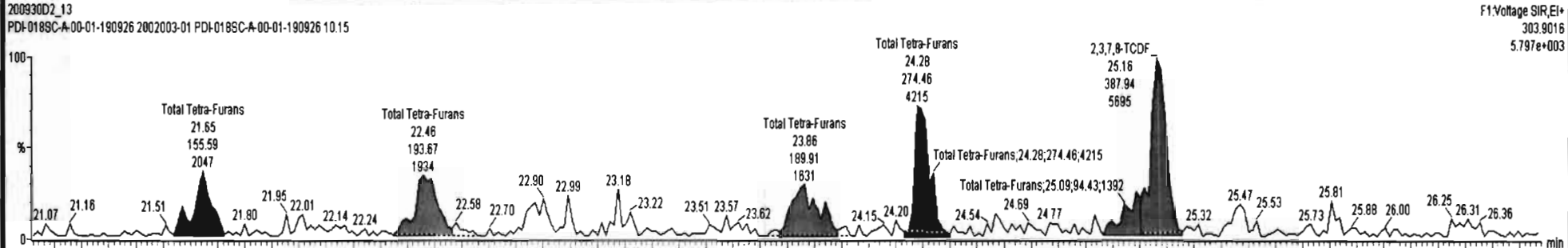


DPE1





20093002_13-2002003-01-PDI-018SC-A-00-01-190926 10.15-PDI-018SC-A-00-01-190926



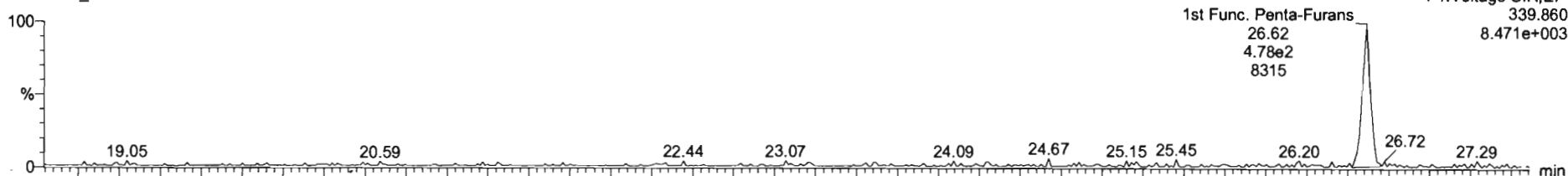
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Printed: Thursday, October 01, 2020 10:53:11 Pacific Daylight Time

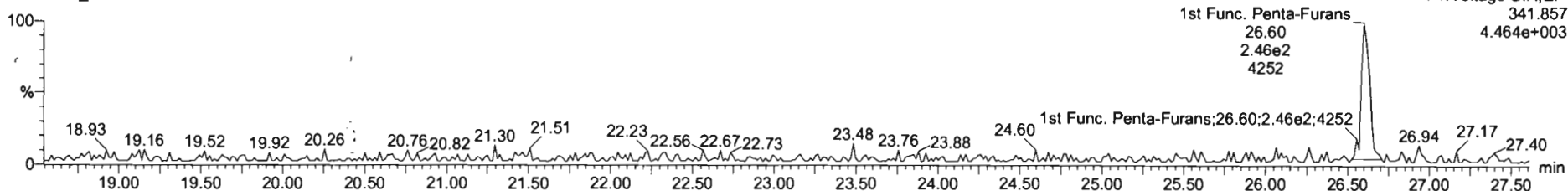
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1st Func. Penta-Furans

200930D2_13

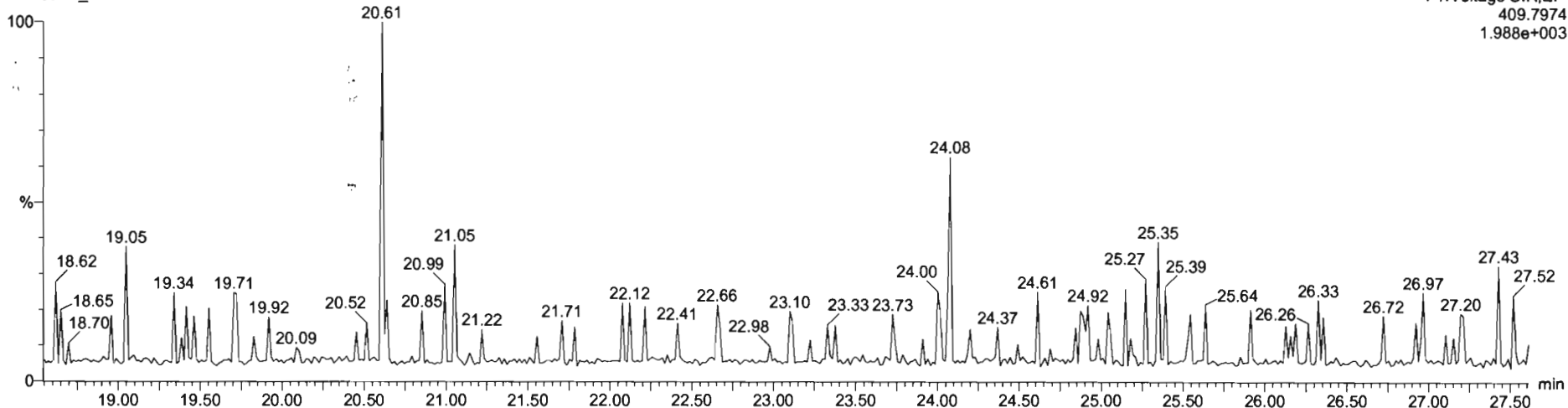


200930D2_13



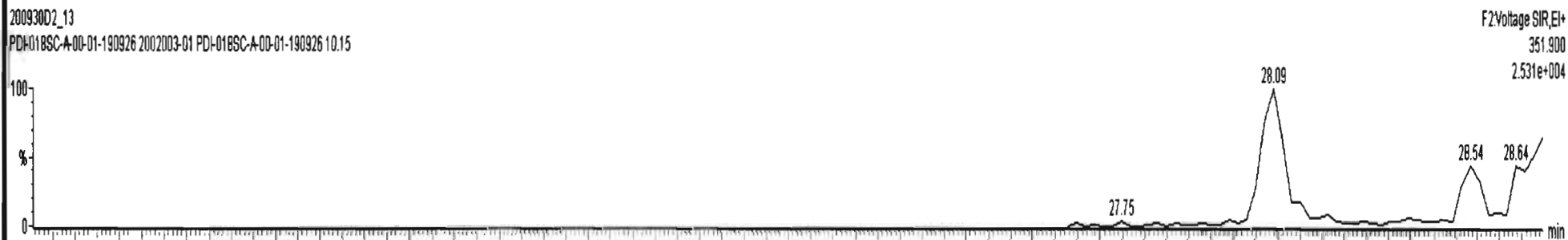
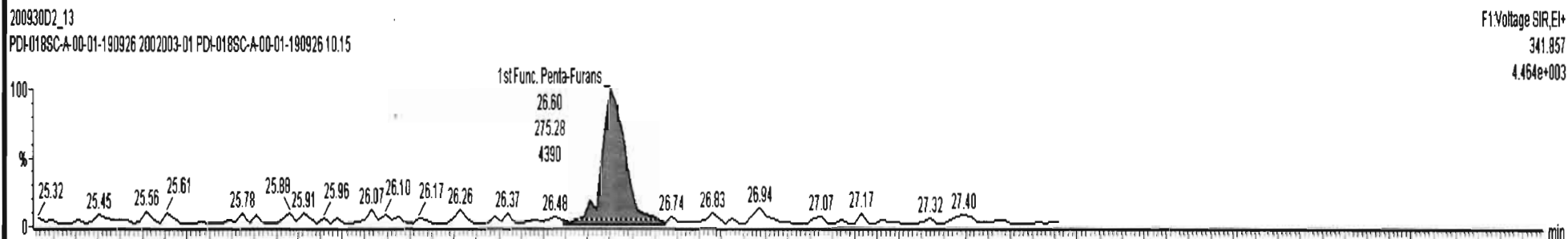
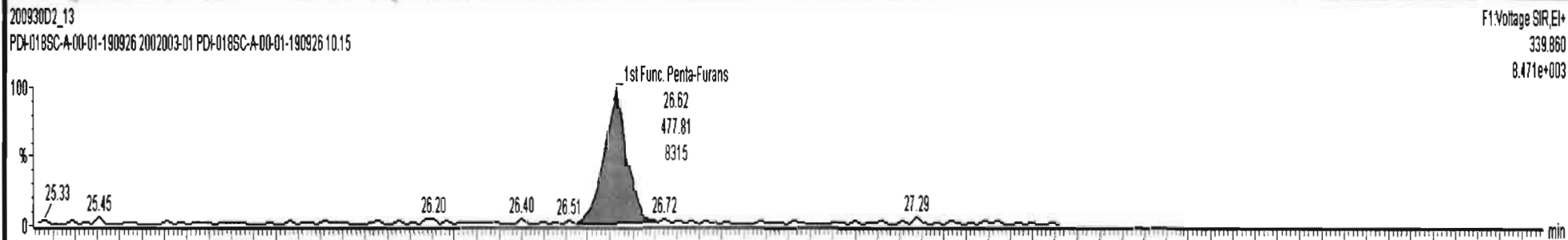
DPE6

200930D2_13





20093002_13 - 2002003-01 PDI-018SC-A-00-01-190926 10.15 - PDI-018SC-A-00-01-190926



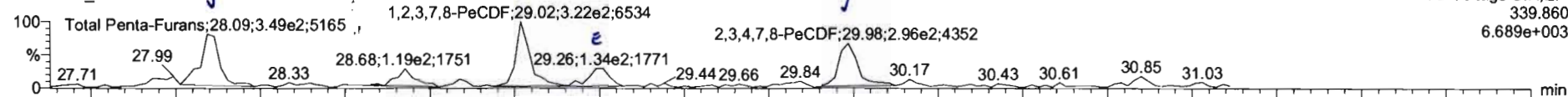
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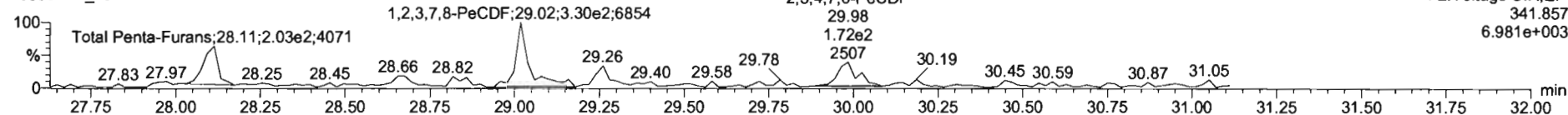
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1,2,3,7,8-PeCDF

200930D2_13

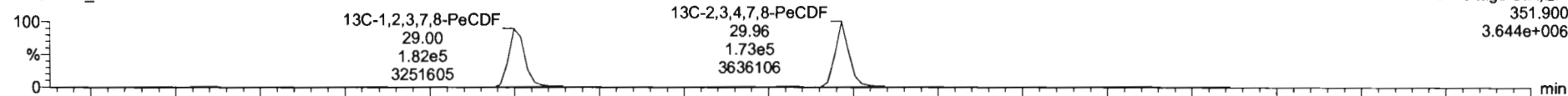


200930D2_13

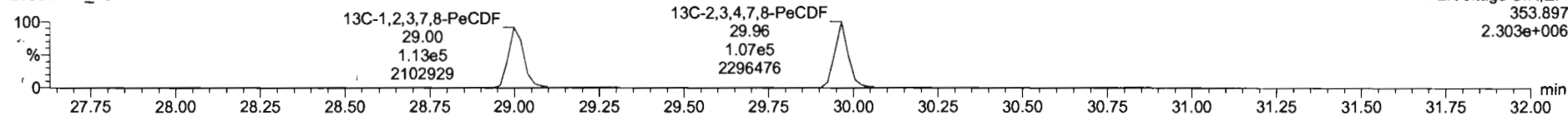


13C-1,2,3,7,8-PeCDF

200930D2_13

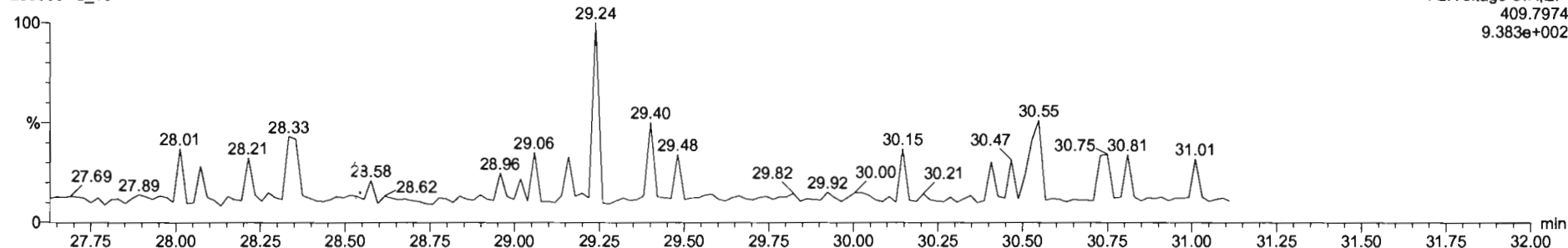


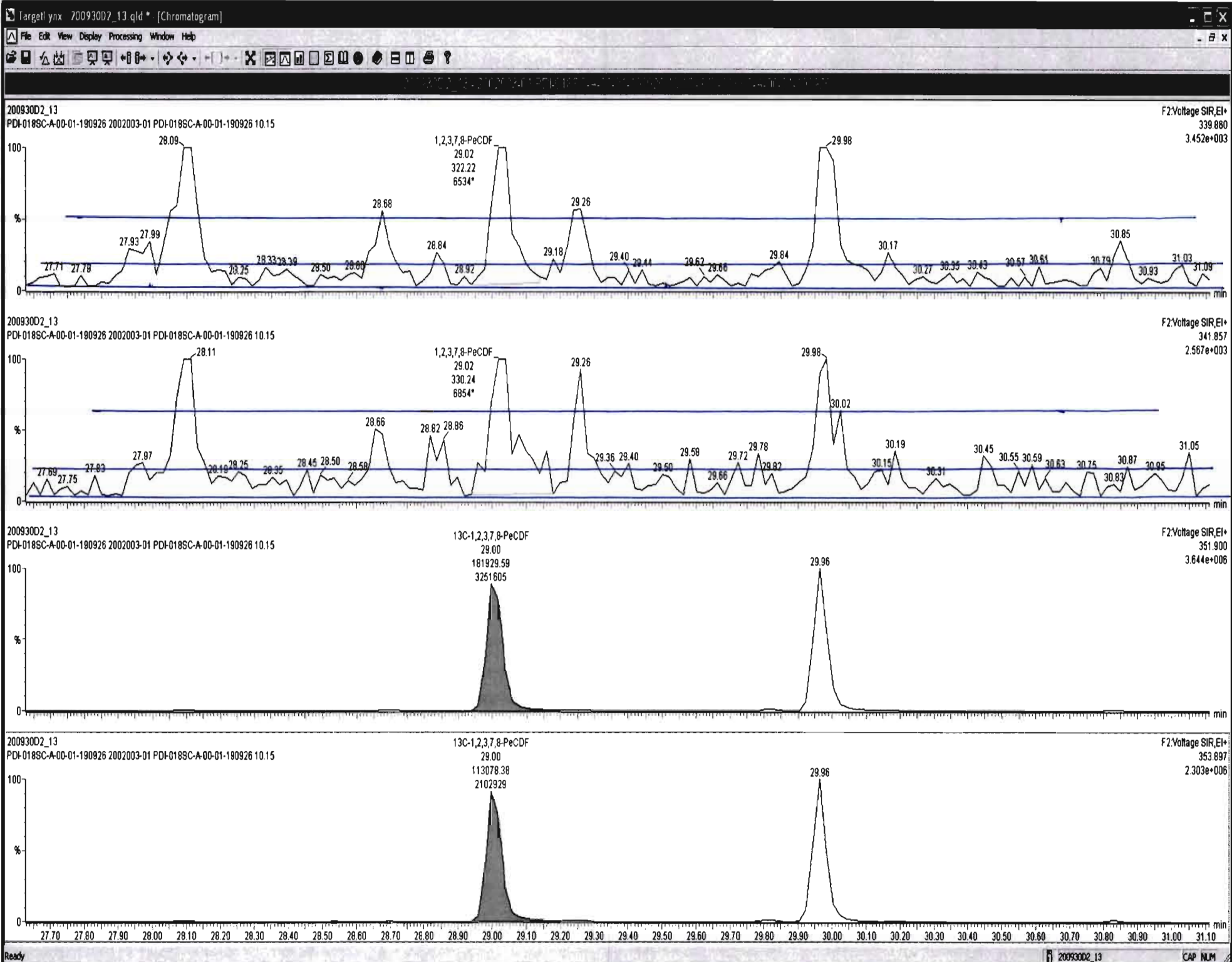
200930D2_13



DPE2

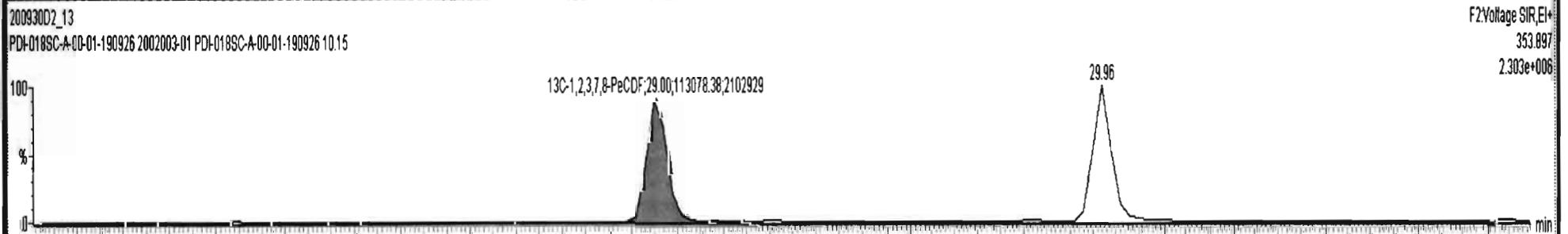
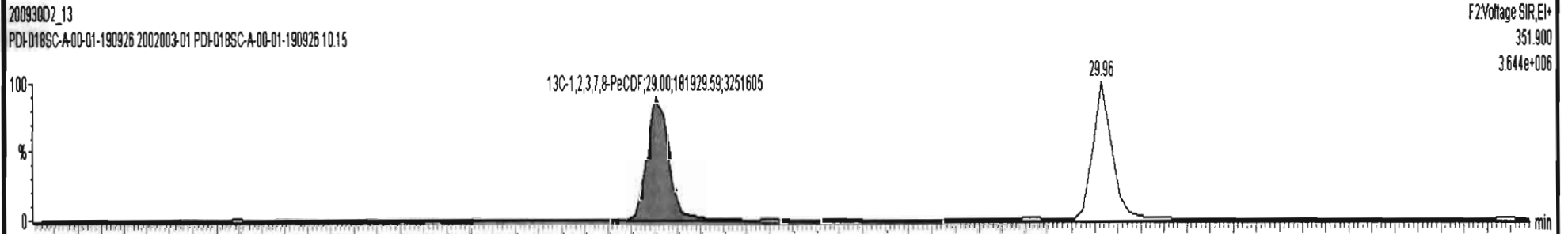
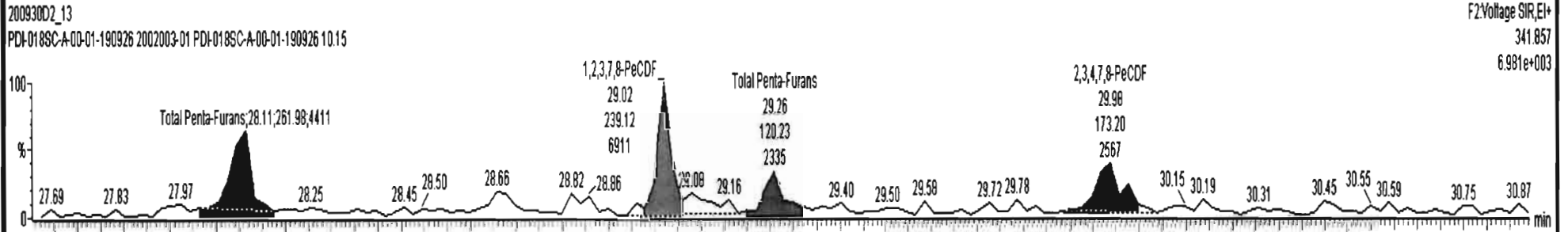
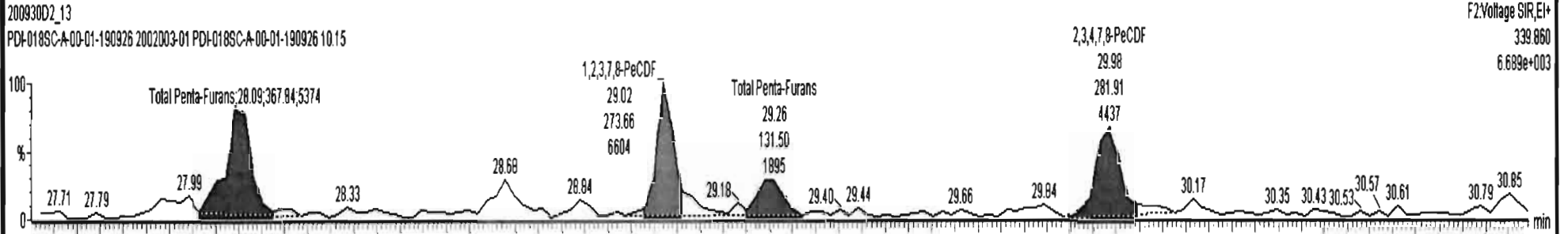
200930D2_13







20093002_13 - 2002003-01-PDI-018SC-A-00-01-190926 10.15 - PDI-018SC-A-00-01-190926

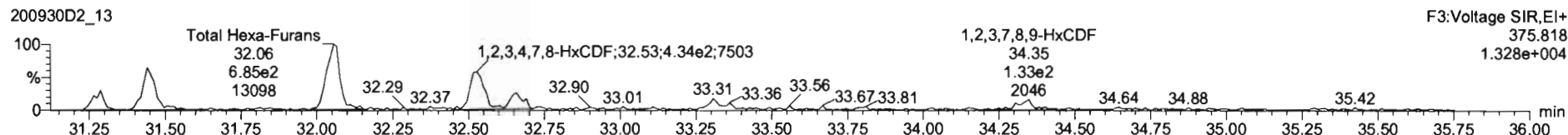
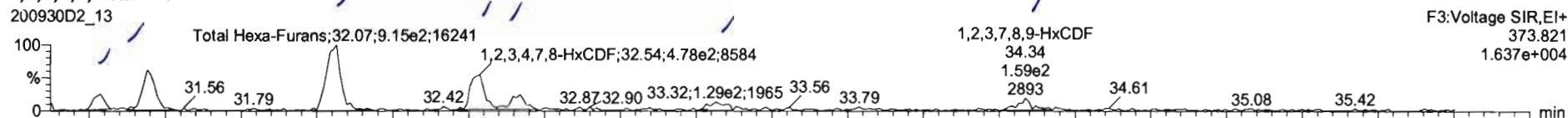


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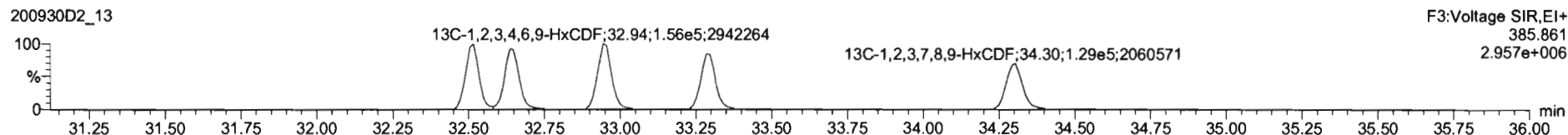
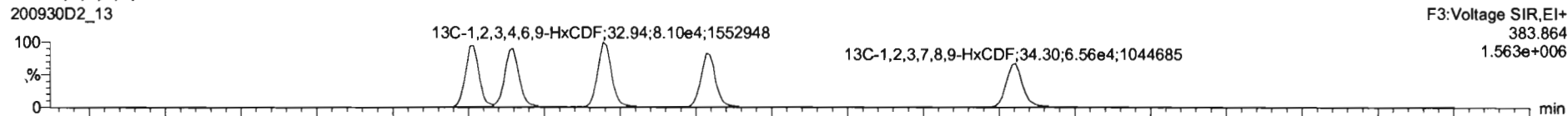
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Printed: Thursday, October 01, 2020 10:53:11 Pacific Daylight Time

Name: 200930D2_13, Date: 30-Sep-2020, Time: 21:57:18, ID: 2002003-01 PDI-018SC-A-00-01-190926 10.15, Description: PDI-018SC-A-00-01-190926

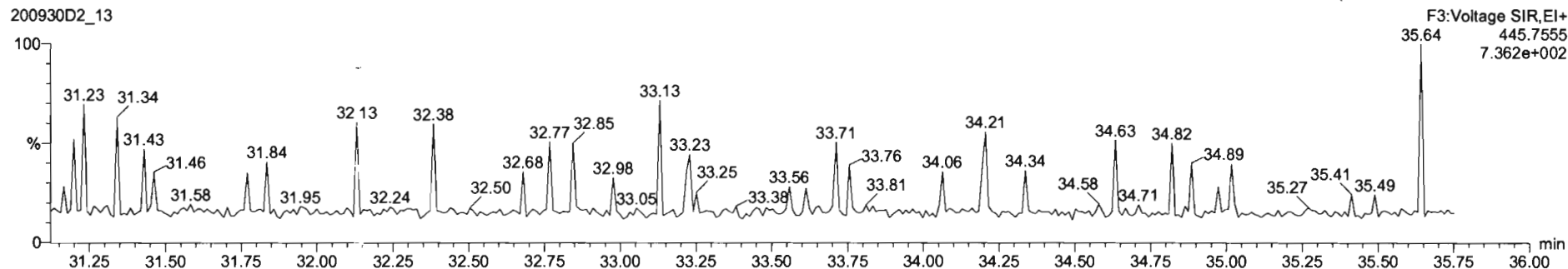
1,2,3,4,7,8-HxCDF

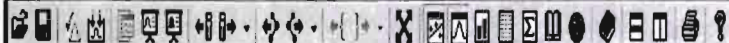


13C-1,2,3,4,7,8-HxCDF



DPE3



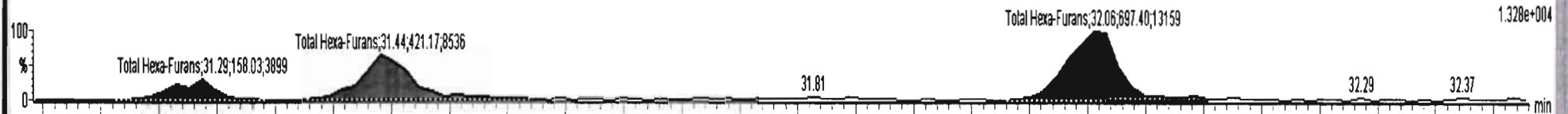


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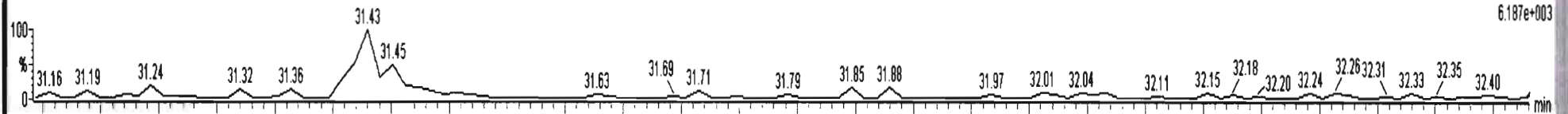
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 PD-0185C-A-00-01-190926 2002003-01 PD-0185C-A-00-01-190926 10.15
 F3:Voltage SIR,EI+
 373.821
 1.637e+004



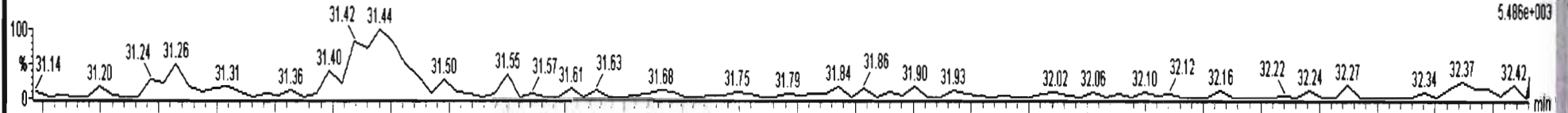
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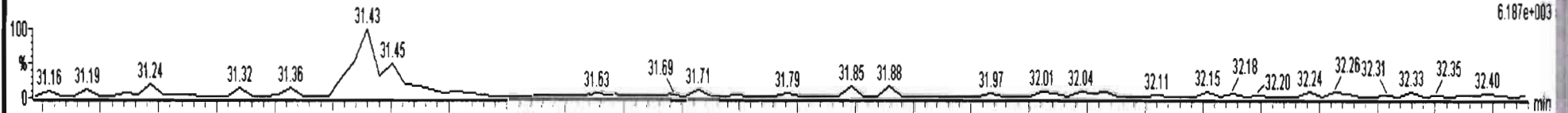
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 F3:Voltage SIR,EI+
 383.864
 6.187e+003



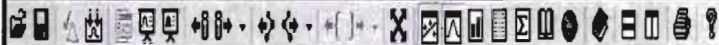
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 5.486e+003



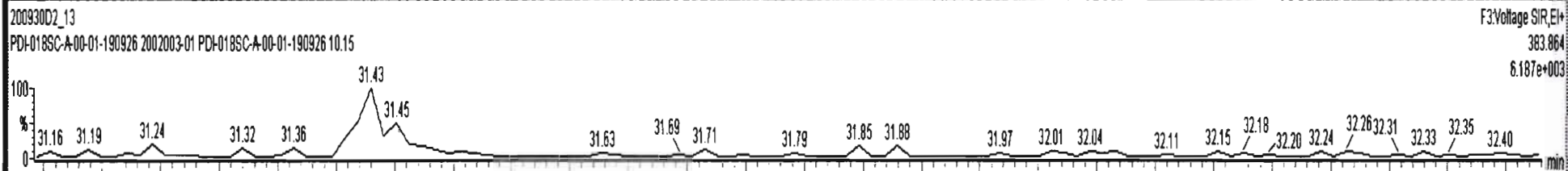
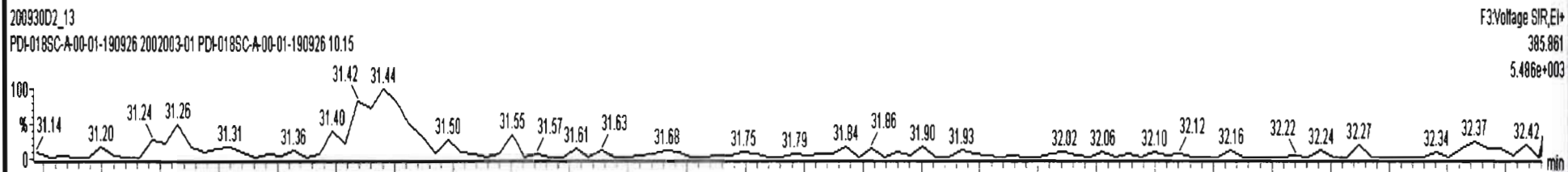
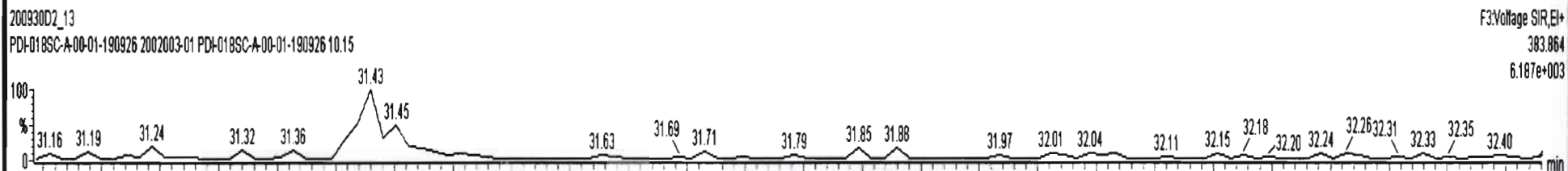
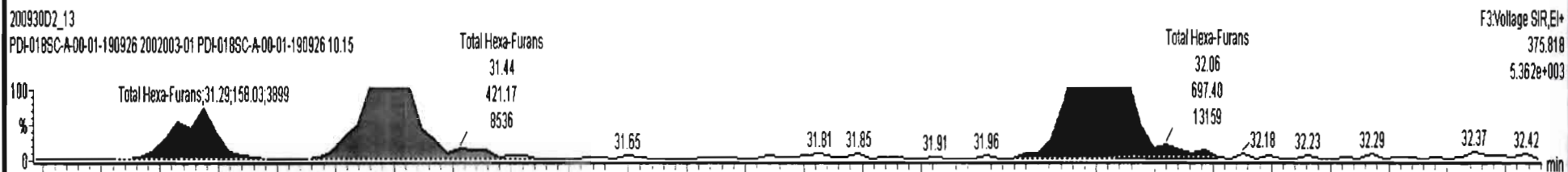
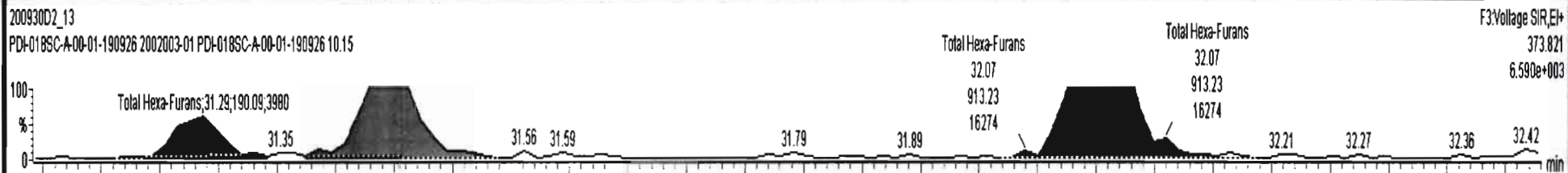
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 PD-0185C-A-00-01-190926 2002003-01 PD-0185C-A-00-01-190926 10.15
 F3:Voltage SIR,EI+
 383.864
 6.187e+003

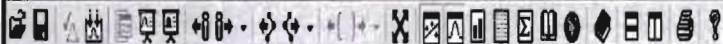


20093002_13
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 F3:Voltage SIR,EI+
 385.861

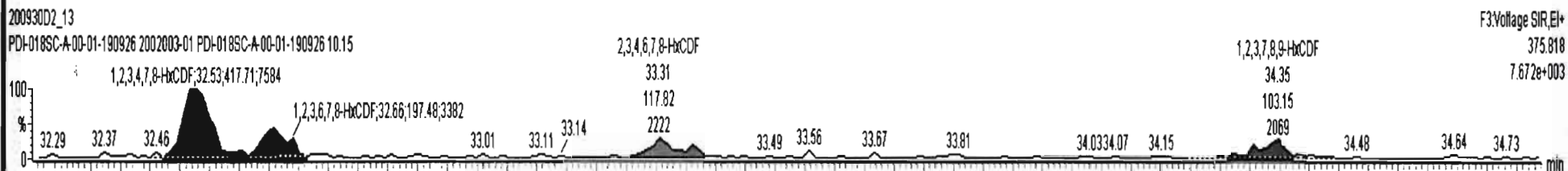
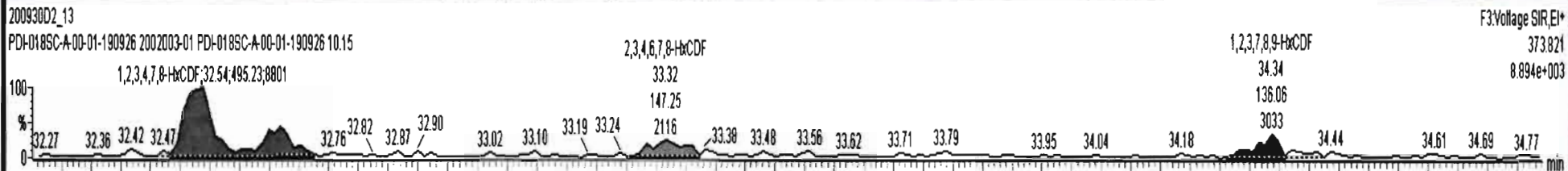


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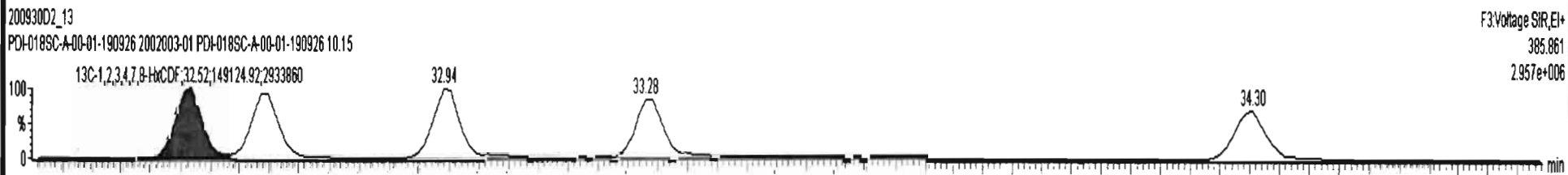
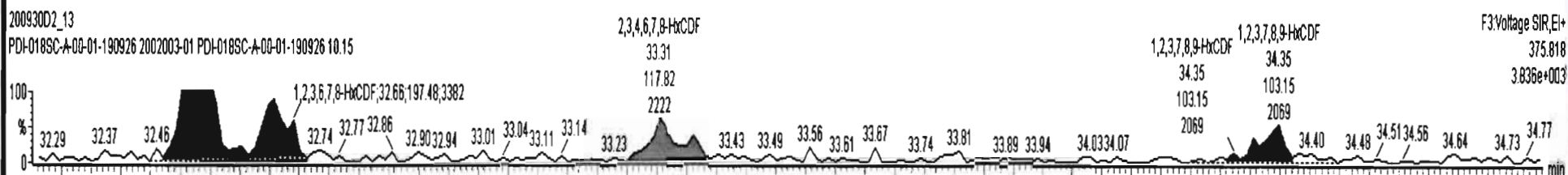
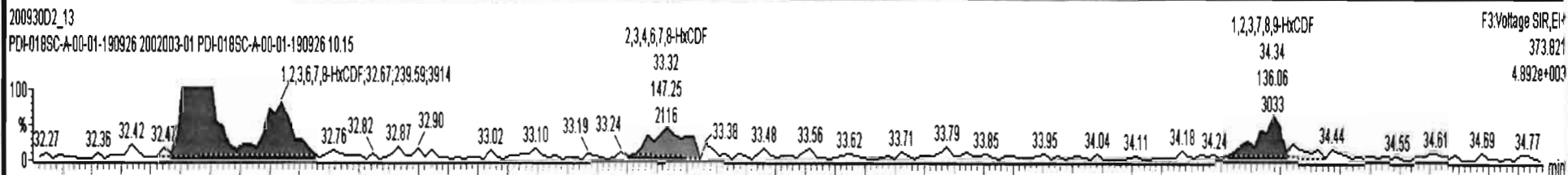


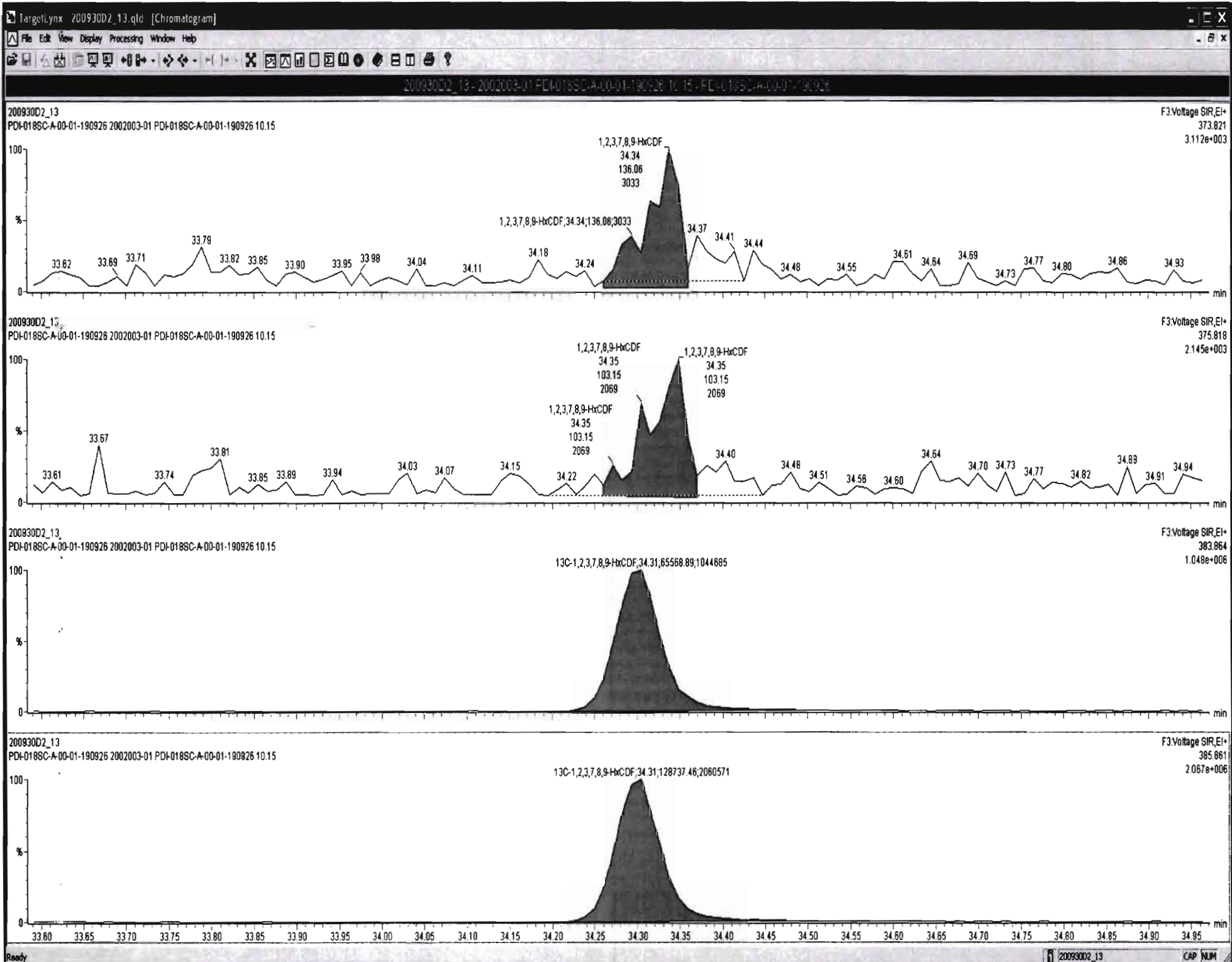
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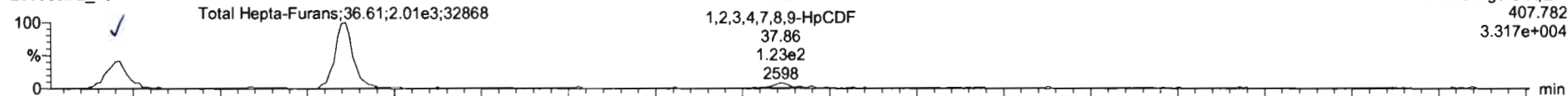


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Printed: Thursday, October 01, 2020 10:53:11 Pacific Daylight Time

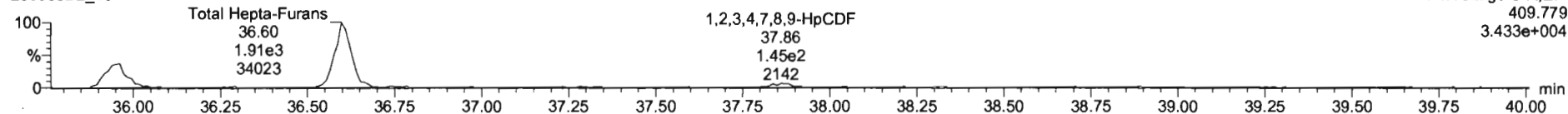
Name: 200930D2_13, Date: 30-Sep-2020, Time: 21:57:18, ID: 2002003-01 PDI-018SC-A-00-01-190926 10.15, Description: PDI-018SC-A-00-01-190926

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

200930D2_13

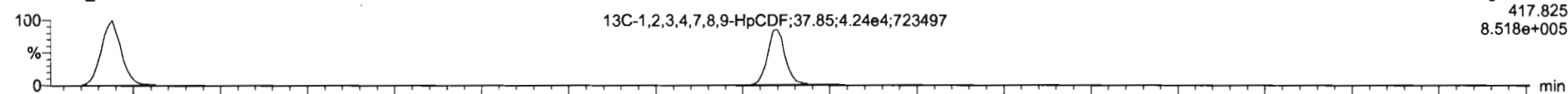


200930D2_13

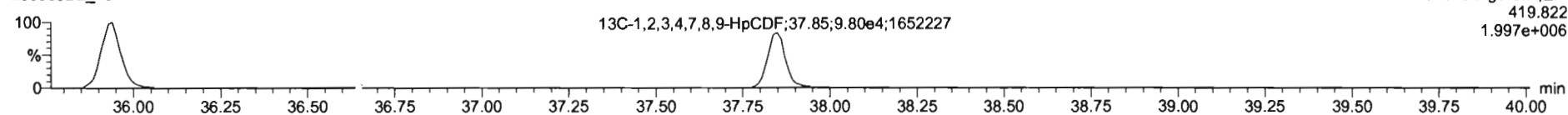


13C-1,2,3,4,6,7,8-HpCDF

200930D2_13

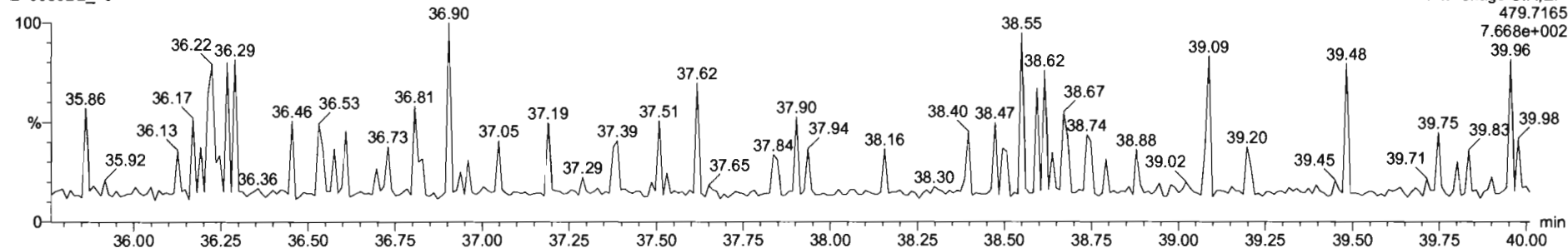


200930D2_13

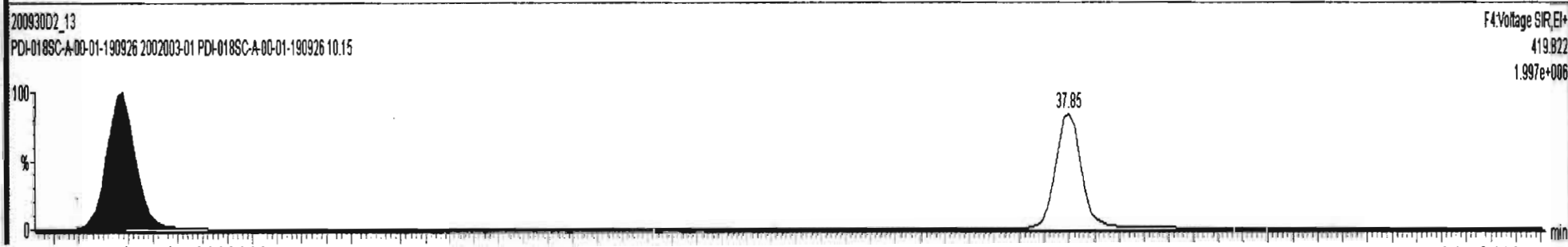
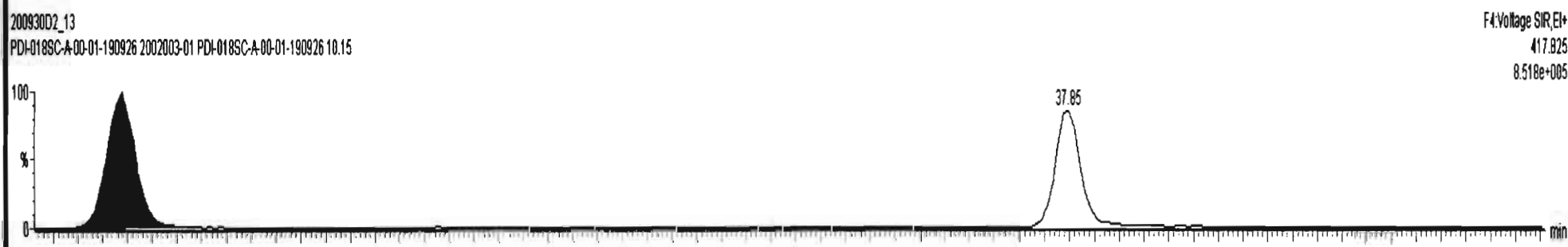
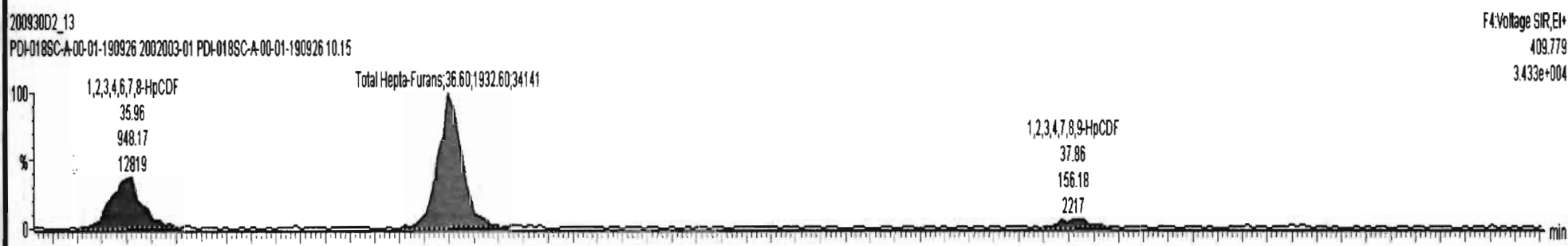


DPE4

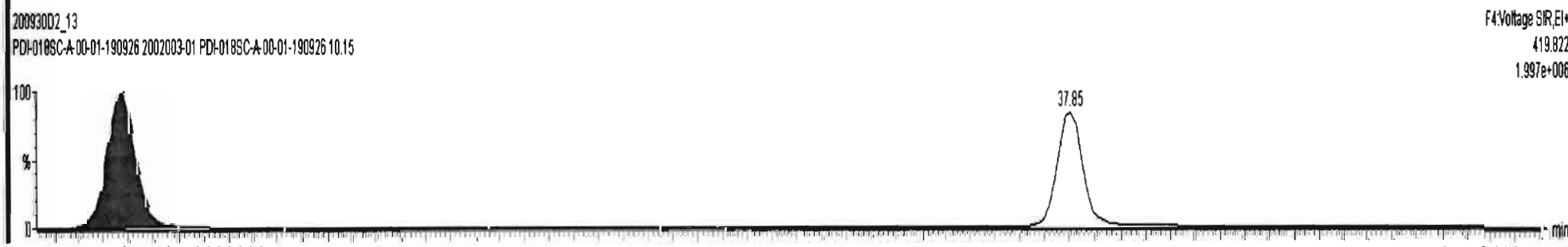
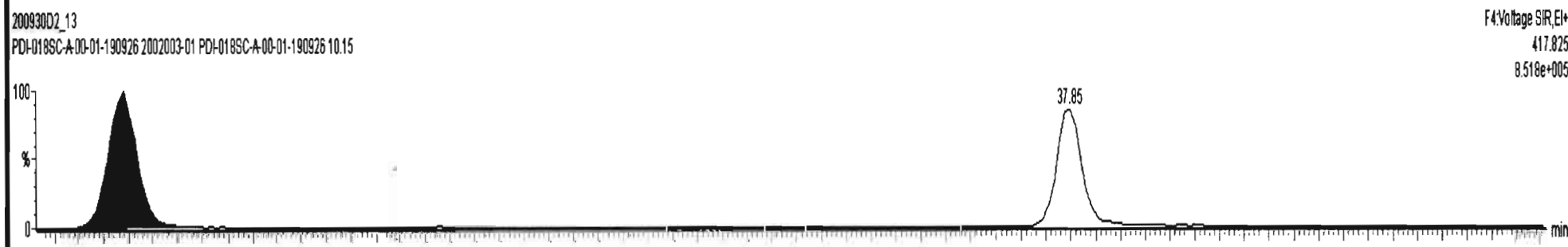
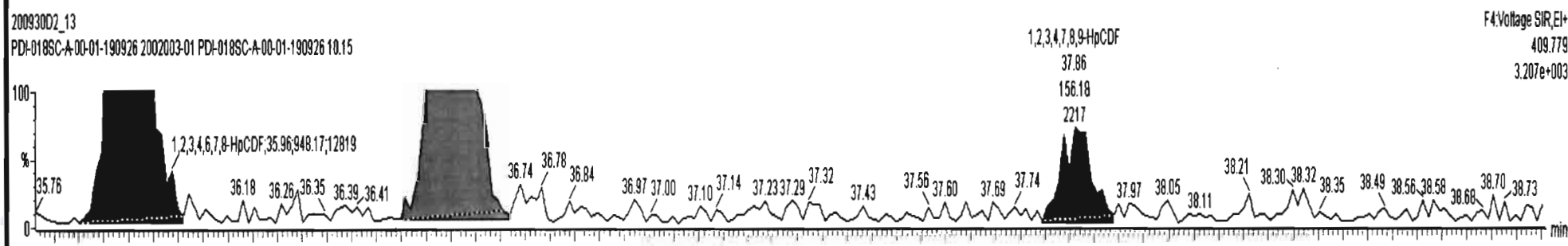
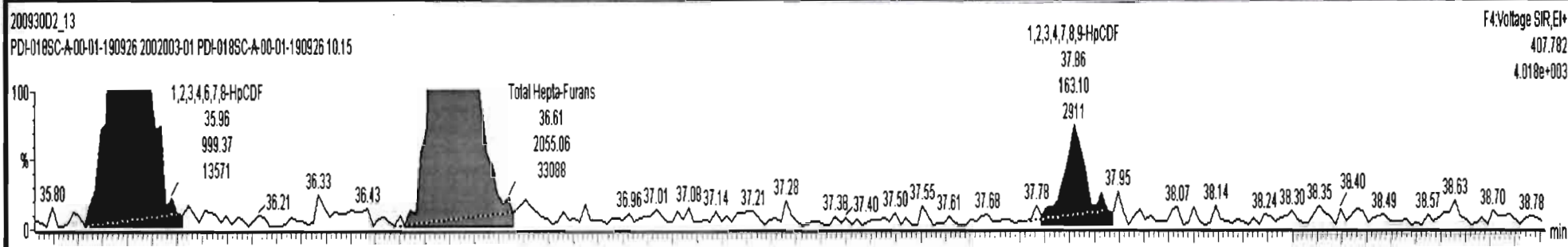
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200930D2_13 - 2002003-01 PDI-018SC-A-00-01-190926 10.15 - PDI-018SC-A-00-01-190926



20093002_13 - 2002003-01-PDI-018SC-A-00-01-190926 10.15 - PDI-018SC-A-00-01-190926

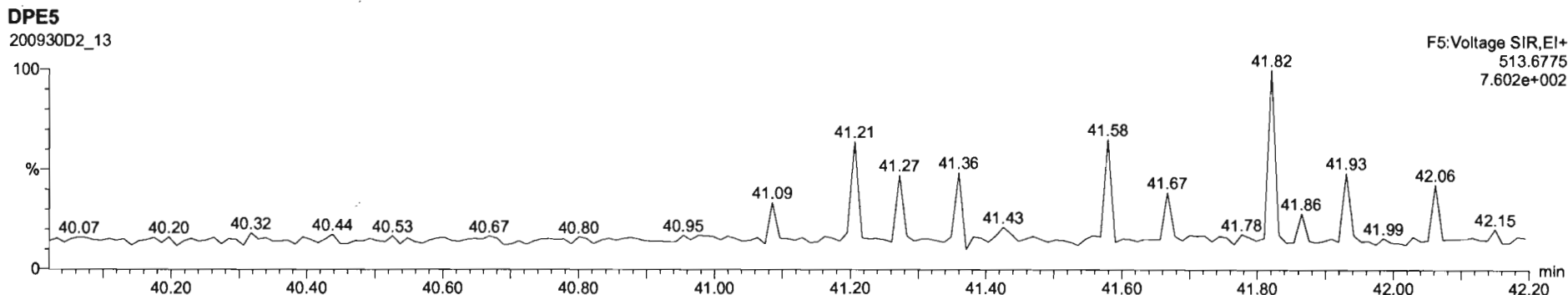
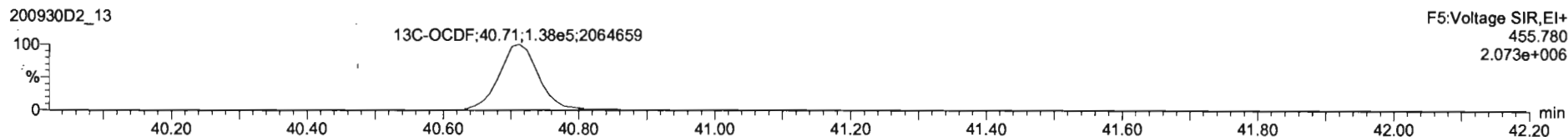
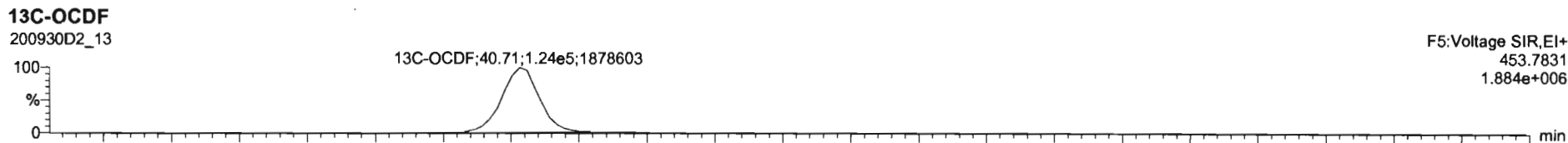
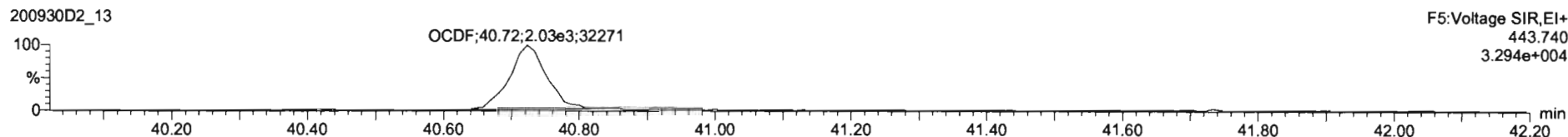
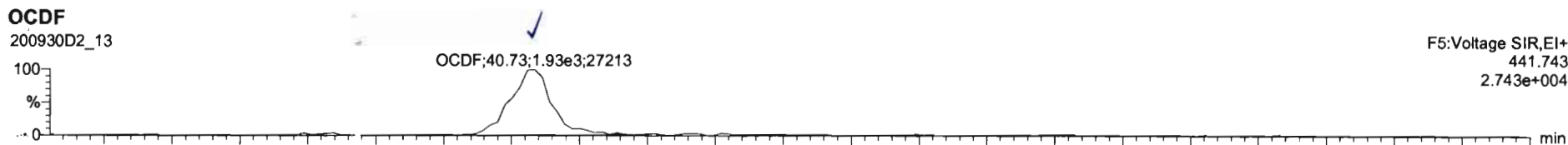


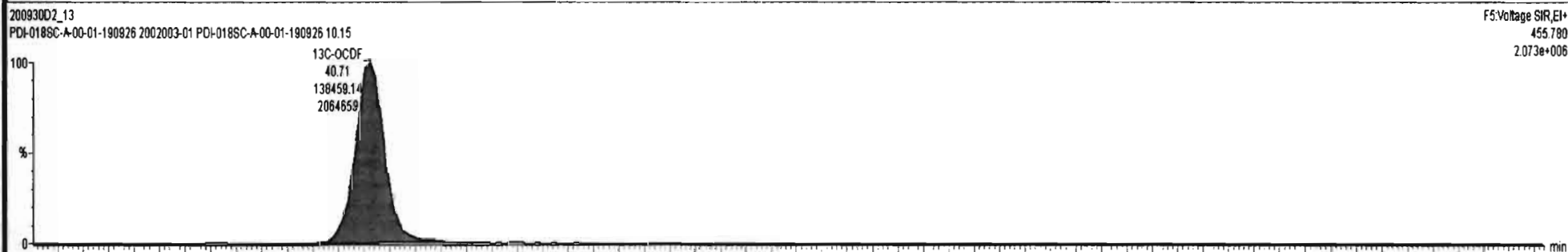
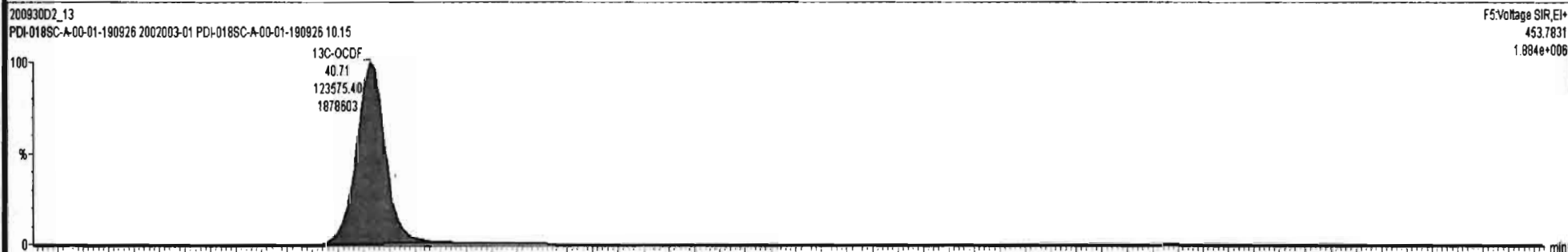
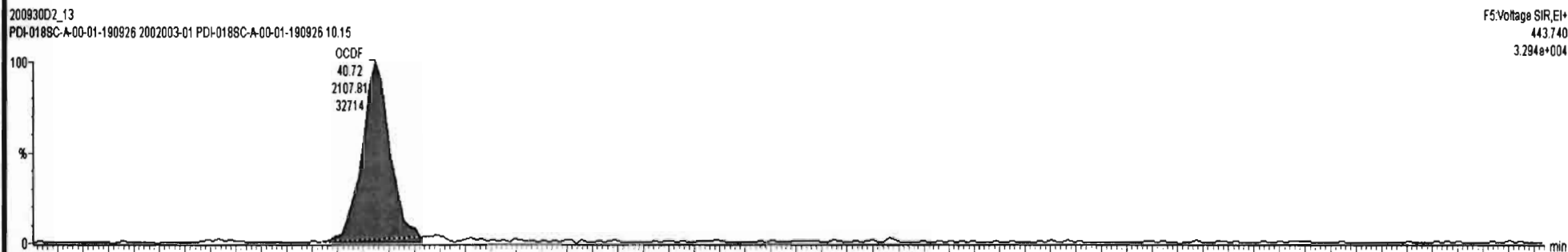
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Name: 200930D2_13, Date: 30-Sep-2020, Time: 21:57:18, ID: 2002003-01 PDI-018SC-A-00-01-190926 10.15, Description: PDI-018SC-A-00-01-190926

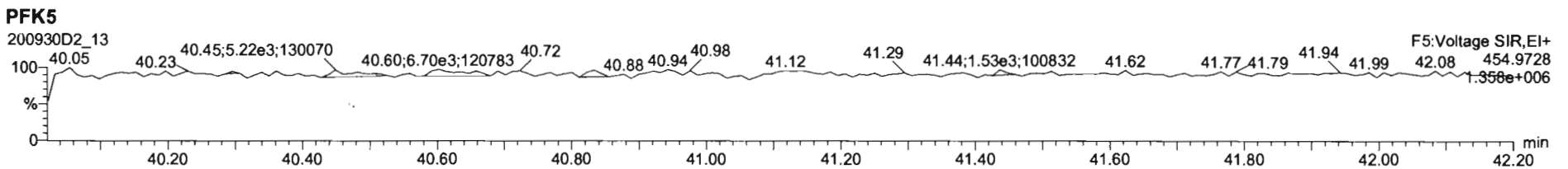
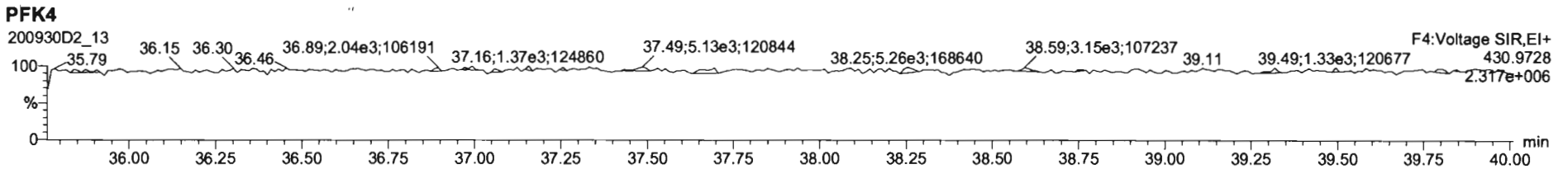
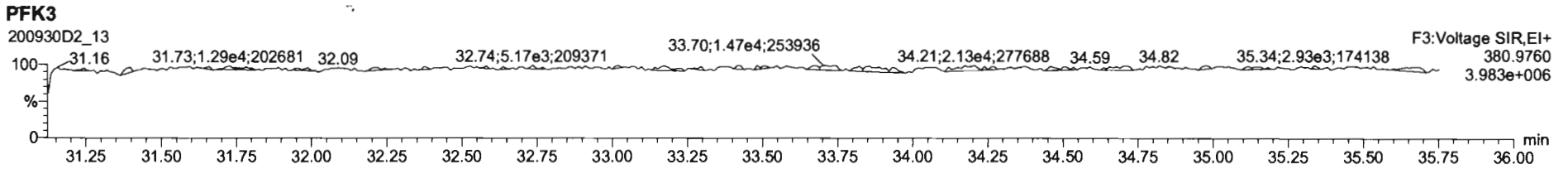
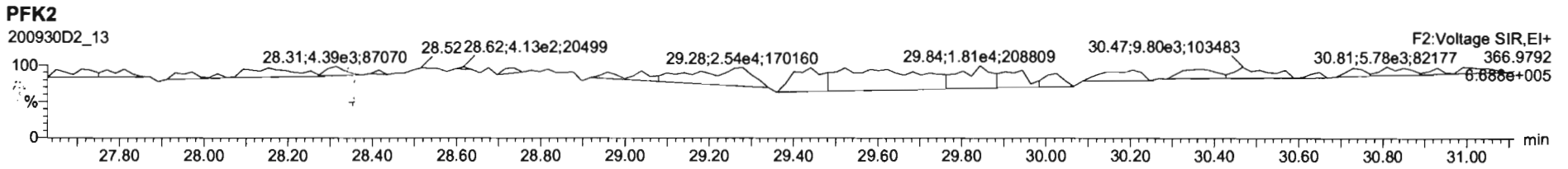
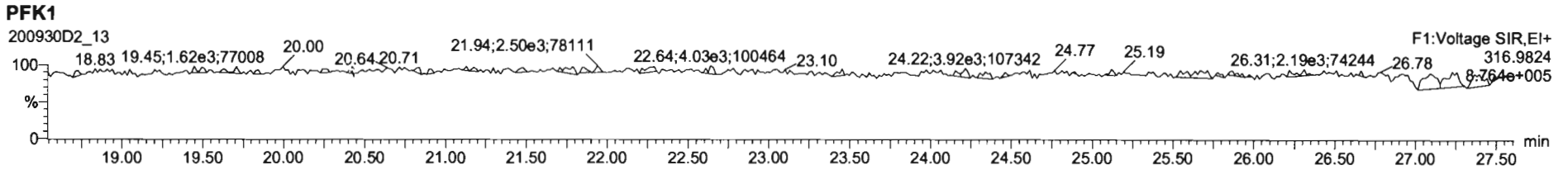




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Dataset: U:\VG7.PRO\Results\200930D2\200930D2_14.qld

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DB 10/1/20 CT 10/06/2020

Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	1.00	9.776	25.837		1.001				0.0958	
2	2 1,2,3,7,8-PeCDD			NO	0.935	9.776	30.187		1.001				0.142	
3	3 1,2,3,4,7,8-HxCDD			NO	1.15	9.776	33.415		1.000				0.153	
4	4 1,2,3,6,7,8-HxCDD	4.07e2	1.41	NO	1.02	9.776	33.525	33.54	1.000	1.000	0.44548		0.164	0.445
5	5 1,2,3,7,8,9-HxCDD	1.88e2	1.32	NO	1.06	9.776	33.834	33.82	1.001	1.001	0.20234		0.169	0.202
6	6 1,2,3,4,6,7,8-HpCDD	9.47e3	1.04	NO	1.00	9.776	37.212	37.21	1.000	1.000	12.887		0.378	12.9
7	7 OCDD	7.81e4	0.89	NO	0.952	9.776	40.395	40.40	1.000	1.000	144.04		0.363	144
8	8 2,3,7,8-TCDF	2.08e3	0.85	NO	1.01	9.776	25.188	25.18	1.001	1.001	1.0679		0.112	1.07
9	9 1,2,3,7,8-PeCDF	1.60e3	1.54	NO	0.998	9.776	29.018	29.02	1.001	1.001	1.0552		0.0844	1.06
10	10 2,3,4,7,8-PeCDF	1.15e3	1.77	NO	1.07	9.776	29.994	29.98	1.001	1.001	0.72094		0.0737	0.721
11	11 1,2,3,4,7,8-HxCDF	2.99e3	1.26	NO	1.05	9.776	32.516	32.53	1.000	1.000	2.4433		0.121	2.44
12	12 1,2,3,6,7,8-HxCDF	1.09e3	1.39	NO	1.10	9.776	32.647	32.66	1.000	1.001	0.84394		0.113	0.844
13	13 2,3,4,6,7,8-HxCDF	4.15e2	1.16	NO	1.09	9.776	33.317	33.29	1.001	1.000	0.34671		0.134	0.347
14	14 1,2,3,7,8,9-HxCDF	4.31e2	1.14	NO	1.08	9.776	34.293	34.34	1.000	1.001	0.40974		0.174	0.410
15	15 1,2,3,4,6,7,8-HpCDF	3.48e3	0.97	NO	1.13	9.776	35.965	35.95	1.001	1.001	3.2139		0.166	3.21
16	16 1,2,3,4,7,8,9-HpCDF	5.44e2	1.15	NO	1.29	9.776	37.849	37.85	1.000	1.000	0.59462		0.163	0.595
17	17 OCDF	3.99e3	0.88	NO	0.953	9.776	40.713	40.71	1.000	1.000	6.3366		0.177	6.34
18	18 13C-2,3,7,8-TCDD	2.51e5	0.78	NO	1.17	9.776	25.802	25.81	1.026	1.026	205.62	101	0.495	
19	19 13C-1,2,3,7,8-PeCDD	2.01e5	0.61	NO	0.914	9.776	29.992	30.17	1.193	1.200	211.21	103	0.423	
20	20 13C-1,2,3,4,7,8-HxCDD	1.61e5	1.32	NO	0.634	9.776	33.405	33.40	1.014	1.014	214.38	105	0.634	
21	21 13C-1,2,3,6,7,8-HxCDD	1.82e5	1.31	NO	0.724	9.776	33.514	33.53	1.017	1.018	212.30	104	0.554	
22	22 13C-1,2,3,7,8,9-HxCDD	1.79e5	1.26	NO	0.716	9.776	33.781	33.80	1.025	1.026	211.43	103	0.561	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.50e5	1.05	NO	0.660	9.776	37.194	37.20	1.129	1.129	191.68	93.7	0.998	
24	24 13C-OCDD	2.33e5	0.89	NO	0.587	9.776	40.172	40.40	1.219	1.226	334.79	81.8	0.679	
25	25 13C-2,3,7,8-TCDF	3.93e5	0.76	NO	1.02	9.776	24.897	25.16	0.990	1.001	214.33	105	0.463	
26	26 13C-1,2,3,7,8-PeCDF	3.12e5	1.64	NO	0.842	9.776	29.064	29.00	1.156	1.153	206.37	101	0.623	
27	27 13C-2,3,4,7,8-PeCDF	3.04e5	1.65	NO	0.802	9.776	29.951	29.96	1.191	1.192	211.30	103	0.654	
28	28 13C-1,2,3,4,7,8-HxCDF	2.38e5	0.52	NO	1.00	9.776	32.549	32.52	0.988	0.987	200.30	97.9	0.686	
29	29 13C-1,2,3,6,7,8-HxCDF	2.41e5	0.53	NO	1.02	9.776	32.680	32.64	0.992	0.991	199.40	97.5	0.675	
30	30 13C-2,3,4,6,7,8-HxCDF	2.25e5	0.51	NO	0.955	9.776	33.244	33.28	1.009	1.010	198.61	97.1	0.720	
31	31 13C-1,2,3,7,8,9-HxCDF	1.99e5	0.51	NO	0.851	9.776	34.308	34.29	1.041	1.041	197.00	96.3	0.808	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_14.qld

Last Altered: Thursday, October 01, 2020 15:22:56 Pacific Daylight Time

Printed: Thursday, October 01, 2020 15:24:01 Pacific Daylight Time

Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.96e5	0.44	NO	0.848	9.776	35.810	35.93	1.087	1.091	194.58	95.1	0.871	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.45e5	0.43	NO	0.624	9.776	37.787	37.85	1.147	1.149	196.44	96.0	1.18	
34	34 13C-OCDF	2.71e5	0.89	NO	0.730	9.776	40.323	40.71	1.224	1.236	312.75	76.4	0.539	
35	35 37Cl-2,3,7,8-TCDD	1.28e5			1.21	9.776	25.799	25.82	1.026	1.027	101.79	124	0.144	
36	36 13C-1,2,3,4-TCDD	2.13e5	0.81	NO	1.00	9.776	25.260	25.15	1.000	1.000	204.58	100	0.581	
37	37 13C-1,2,3,4-TCDF	3.67e5	0.77	NO	1.00	9.776	23.930	23.80	1.000	1.000	204.58	100	0.473	
38	38 13C-1,2,3,4,6,9-HxCDF	2.43e5	0.52	NO	1.00	9.776	32.990	32.94	1.000	1.000	204.58	100	0.688	
39	39 Total Tetra-Dioxins				1.00	9.776	24.620		0.000				0.0614	
40	40 Total Penta-Dioxins				0.935	9.776	29.960		0.000				0.0631	
41	41 Total Hexa-Dioxins				1.02	9.776	33.635		0.000		2.9549		0.170	4.10
42	42 Total Hepta-Dioxins				1.00	9.776	37.640		0.000		29.626		0.378	29.6
43	43 Total Tetra-Furans				1.01	9.776	23.610		0.000		4.4815		0.112	4.77
44	44 1st Func. Penta-Furans				0.998	9.776	26.750		0.000		0.78876		0.0417	0.789
45	45 Total Penta-Furans				0.998	9.776	29.275		0.000		4.7425		0.0819	4.74
46	46 Total Hexa-Furans				1.09	9.776	33.555		0.000		7.2300		0.132	7.23
47	47 Total Hepta-Furans				1.13	9.776	37.835		0.000		8.0119		0.175	8.01

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_14.qld

Last Altered: Thursday, October 01, 2020 15:22:56 Pacific Daylight Time

Printed: Thursday, October 01, 2020 15:24:01 Pacific Daylight Time

Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	31.79	2.126e4	1.444e4	9.466e2	7.871e2	1.20	NO	1.734e3	1.9874	1.9874	0.170
2	Total Hexa-Dioxins	32.38	2.195e3	2.004e3	9.184e1	7.881e1	1.17	NO	1.707e2	0.19563	0.19563	0.170
3	Total Hexa-Dioxins	32.66	1.904e4	9.326e3	7.156e2	4.463e2	1.60	YES	0.000e0	0.00000	1.1461	0.170
4	Total Hexa-Dioxins	32.77	1.378e3	1.171e3	6.027e1	4.790e1	1.26	NO	1.082e2	0.12400	0.12400	0.170
5	1,2,3,6,7,8-HxCDD	33.54	4.020e3	2.949e3	2.381e2	1.685e2	1.41	NO	4.066e2	0.44548	0.44548	0.164
6	1,2,3,7,8,9-HxCDD	33.82	2.234e3	1.308e3	1.070e2	8.133e1	1.32	NO	1.883e2	0.20234	0.20234	0.169

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.31	9.847e4	9.468e4	6.354e3	5.949e3	1.07	NO	1.230e4	16.739	16.739	0.378
2	1,2,3,4,6,7,8-HpCDD	37.21	8.877e4	8.589e4	4.828e3	4.644e3	1.04	NO	9.472e3	12.887	12.887	0.378

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_14.qld

Last Altered: Thursday, October 01, 2020 15:22:56 Pacific Daylight Time

Printed: Thursday, October 01, 2020 15:24:01 Pacific Daylight Time

Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.63	5.372e3	5.897e3	3.861e2	4.801e2	0.80	NO	8.662e2	0.44506	0.44506	0.112
2	Total Tetra-Furans	22.47	5.994e3	9.158e3	4.943e2	6.937e2	0.71	NO	1.188e3	0.61045	0.61045	0.112
3	Total Tetra-Furans	22.90	3.054e3	3.138e3	2.158e2	1.975e2	1.09	YES	0.000e0	0.00000	0.17964	0.112
4	Total Tetra-Furans	23.86	1.153e4	1.172e4	9.151e2	1.176e3	0.78	NO	2.091e3	1.0744	1.0744	0.112
5	Total Tetra-Furans	24.31	9.078e3	1.254e4	6.453e2	8.218e2	0.79	NO	1.467e3	0.75379	0.75379	0.112
6	Total Tetra-Furans	25.07	6.644e3	8.635e3	4.706e2	5.607e2	0.84	NO	1.031e3	0.52991	0.52991	0.112
7	2,3,7,8-TCDF	25.18	1.499e4	1.870e4	9.541e2	1.124e3	0.85	NO	2.078e3	1.0679	1.0679	0.112
8	Total Tetra-Furans	26.92	2.574e3	2.733e3	1.166e2	1.219e2	0.96	YES	0.000e0	0.00000	0.11085	0.112

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.60	1.225e4	7.598e3	7.121e2	4.720e2	1.51	NO	1.184e3	0.78876	0.78876	0.0417

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.07	1.209e4	8.215e3	1.240e3	8.117e2	1.53	NO	2.051e3	1.3664	1.3664	0.0819
2	Total Penta-Furans	28.68	1.433e4	8.191e3	8.209e2	4.825e2	1.70	NO	1.303e3	0.86823	0.86823	0.0819
3	Total Penta-Furans	28.84	5.648e3	3.462e3	3.114e2	1.755e2	1.77	NO	4.869e2	0.32432	0.32432	0.0819
4	1,2,3,7,8-PeCDF	29.02	1.848e4	1.222e4	9.716e2	6.327e2	1.54	NO	1.604e3	1.0552	1.0552	0.0844
5	Total Penta-Furans	29.26	7.460e3	4.381e3	3.640e2	2.477e2	1.47	NO	6.117e2	0.40745	0.40745	0.0819
6	2,3,4,7,8-PeCDF	29.98	1.144e4	7.945e3	7.350e2	4.154e2	1.77	NO	1.150e3	0.72094	0.72094	0.0737

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_14.qld

Last Altered: Thursday, October 01, 2020 15:22:56 Pacific Daylight Time

Printed: Thursday, October 01, 2020 15:24:01 Pacific Daylight Time

Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.28	6.230e3	4.736e3	3.162e2	2.582e2	1.22	NO	5.744e2	0.47858	0.47858	0.132
2	Total Hexa-Furans	31.44	1.665e4	1.303e4	7.862e2	6.584e2	1.19	NO	1.445e3	1.2038	1.2038	0.132
3	Total Hexa-Furans	32.06	2.009e4	1.515e4	9.954e2	8.096e2	1.23	NO	1.805e3	1.5040	1.5040	0.132
4	1,2,3,4,7,8-HxCDF	32.53	3.166e4	2.441e4	1.669e3	1.323e3	1.26	NO	2.992e3	2.4433	2.4433	0.121
5	1,2,3,6,7,8-HxCDF	32.66	1.088e4	7.559e3	6.350e2	4.580e2	1.39	NO	1.093e3	0.84394	0.84394	0.113
6	2,3,4,6,7,8-HxCDF	33.29	3.723e3	3.821e3	2.225e2	1.921e2	1.16	NO	4.147e2	0.34671	0.34671	0.134
7	1,2,3,7,8,9-HxCDF	34.34	3.332e3	3.100e3	2.300e2	2.010e2	1.14	NO	4.310e2	0.40974	0.40974	0.174

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	35.95	2.751e4	2.431e4	1.716e3	1.762e3	0.97	NO	3.478e3	3.2139	3.2139	0.166
2	Total Hepta-Furans	36.60	3.617e4	3.032e4	1.992e3	1.972e3	1.01	NO	3.964e3	4.2035	4.2035	0.175
3	1,2,3,4,7,8,9-HpCDF	37.85	4.882e3	4.639e3	2.907e2	2.530e2	1.15	NO	5.437e2	0.59462	0.59462	0.163

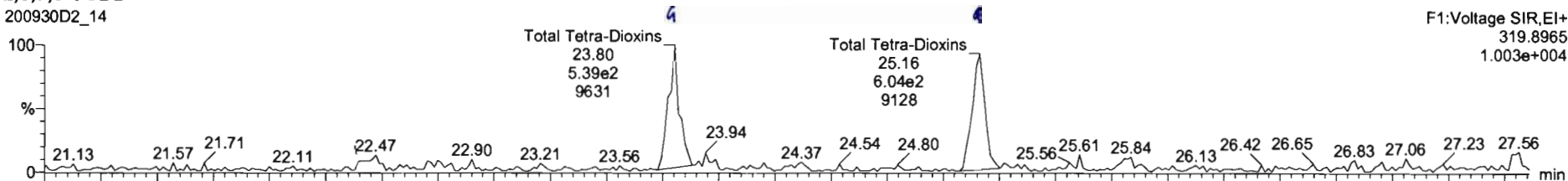
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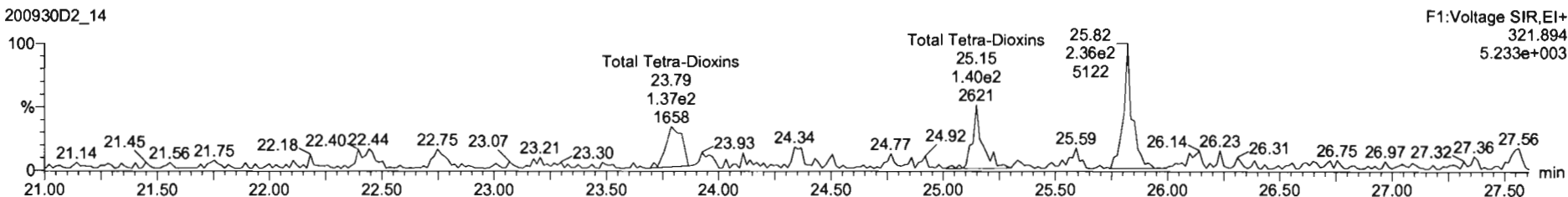
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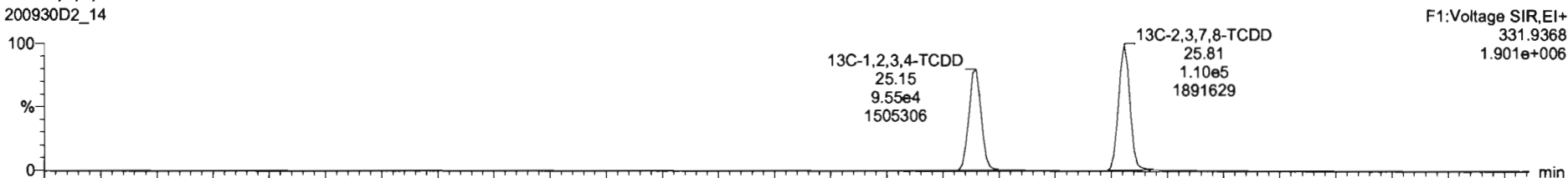
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200930D2_14



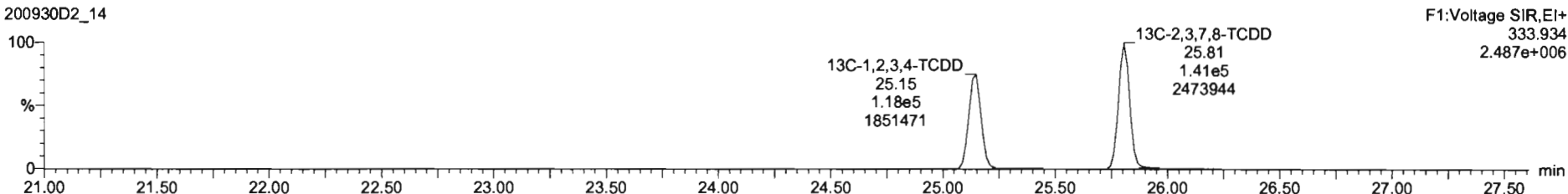
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200930D2_14

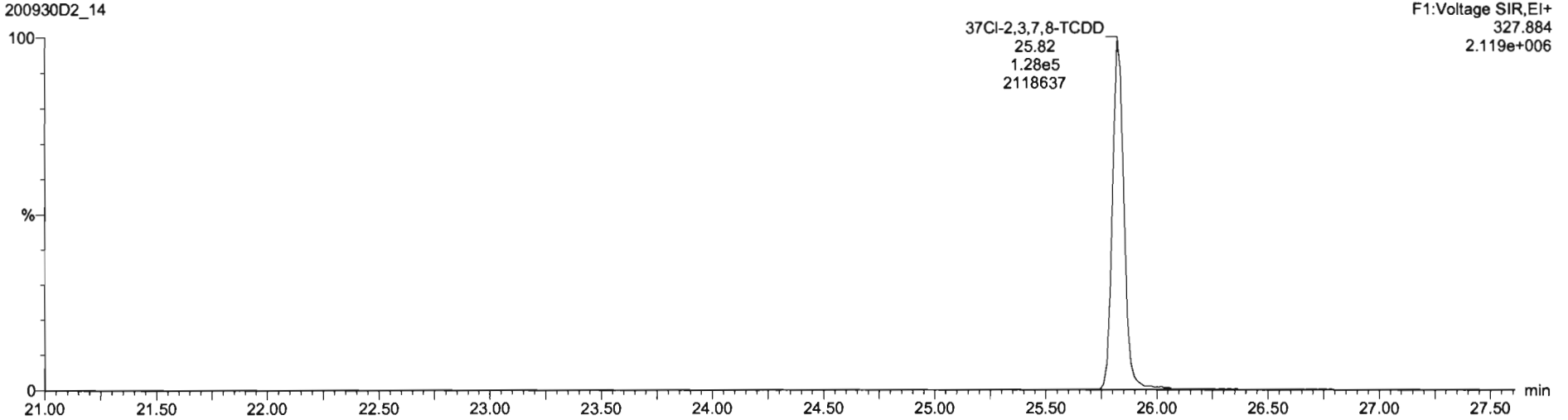


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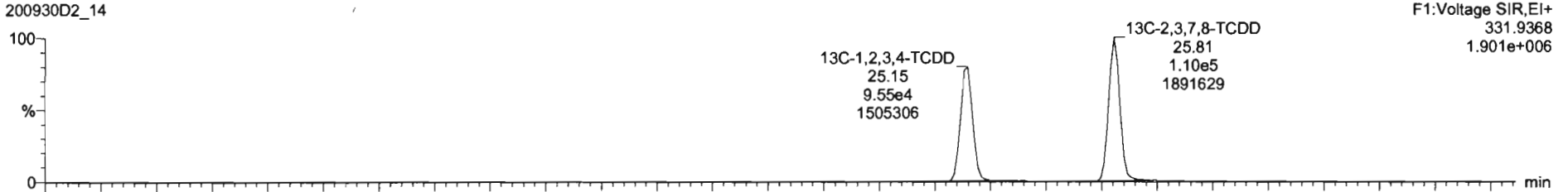
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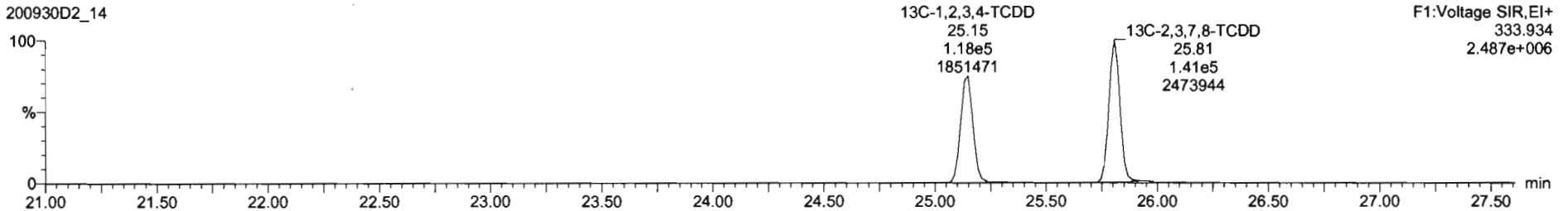
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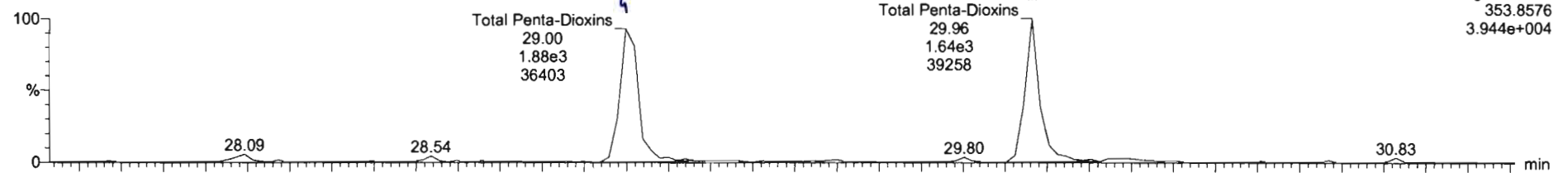


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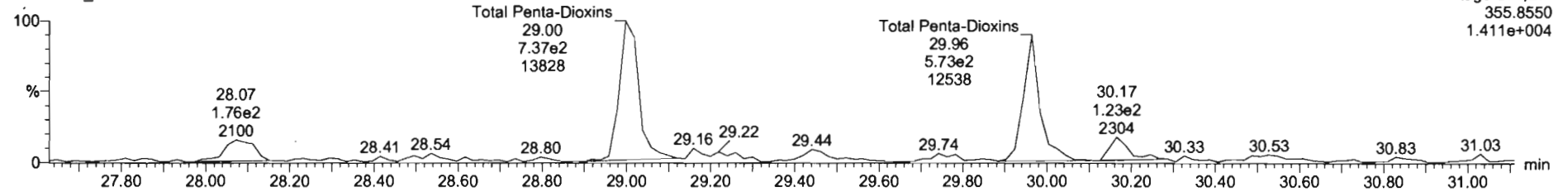
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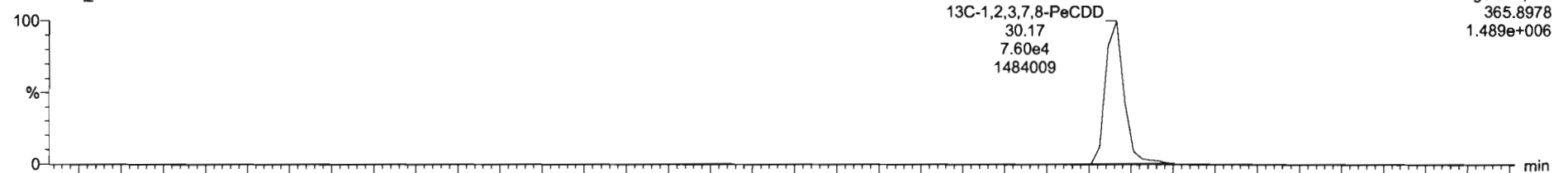


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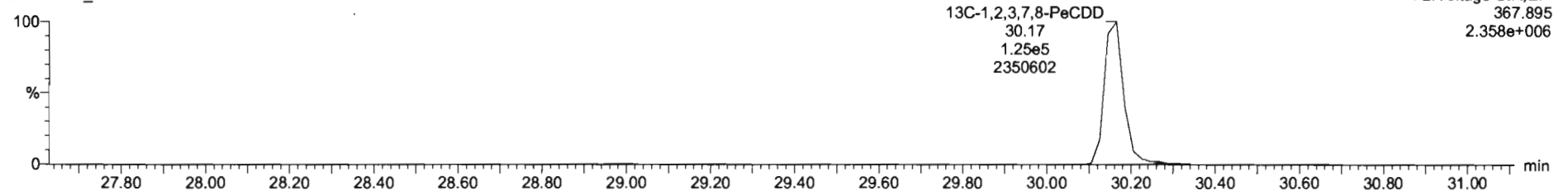


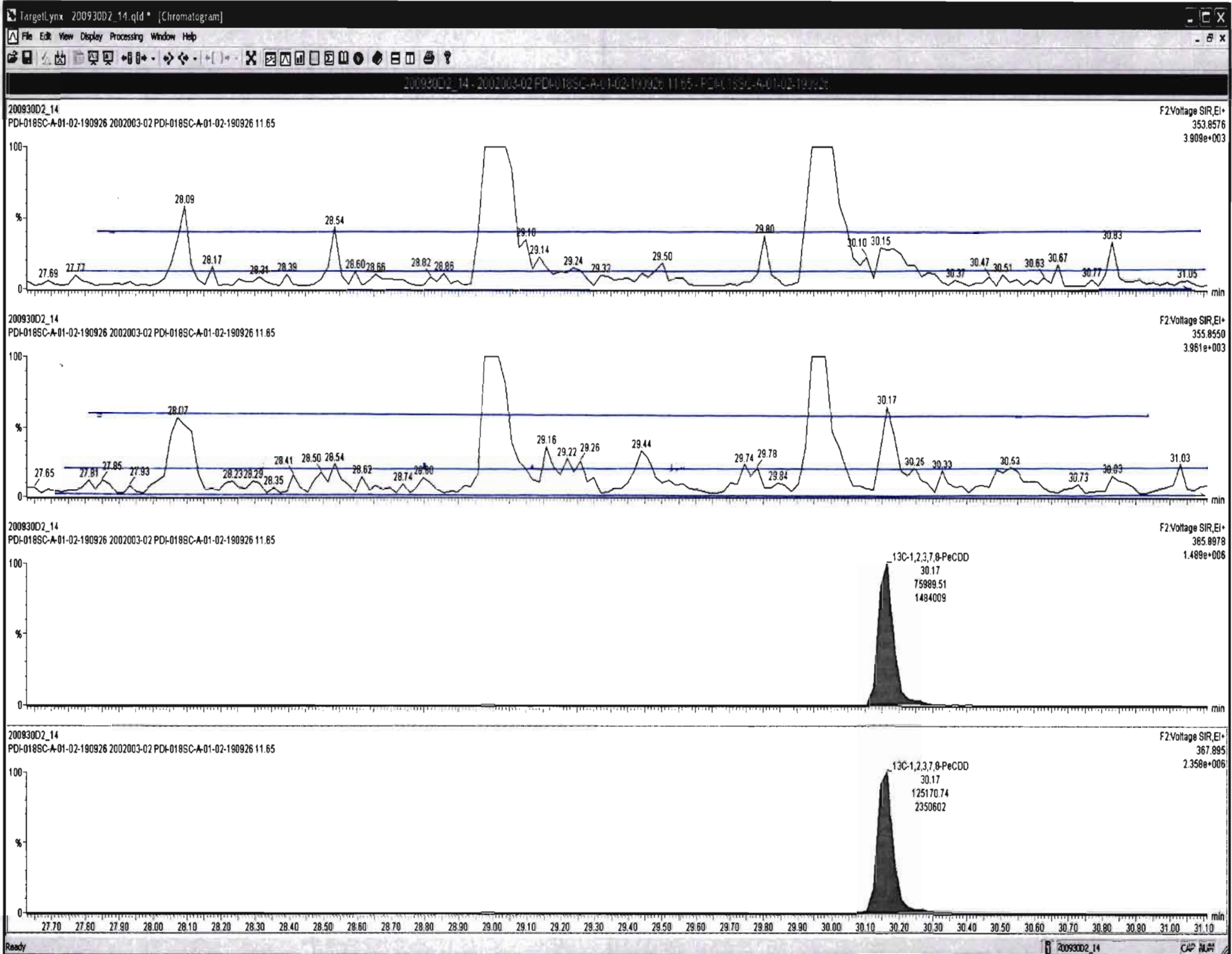
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200930D2_14





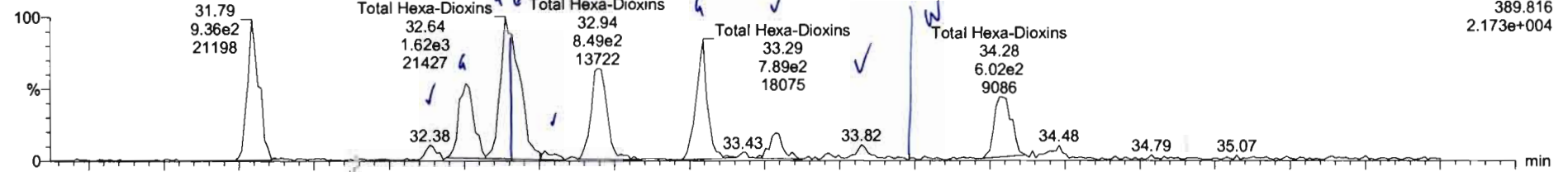
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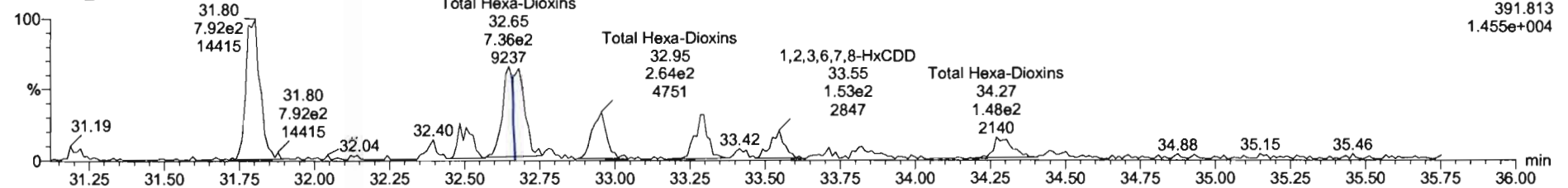
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1,2,3,4,7,8-HxCDD

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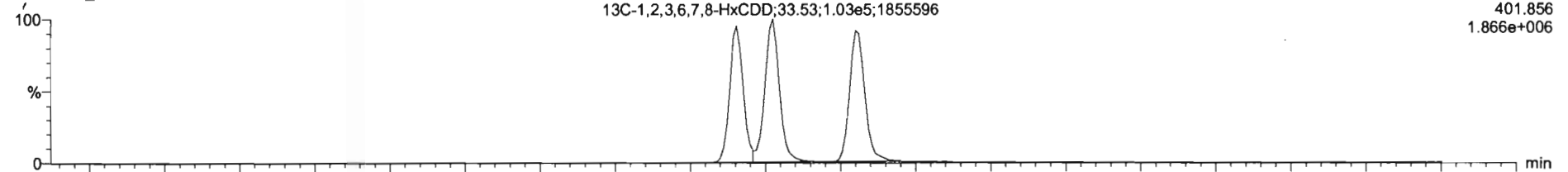


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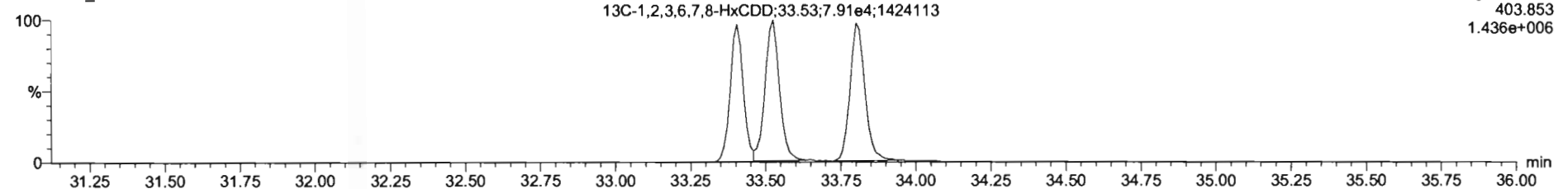


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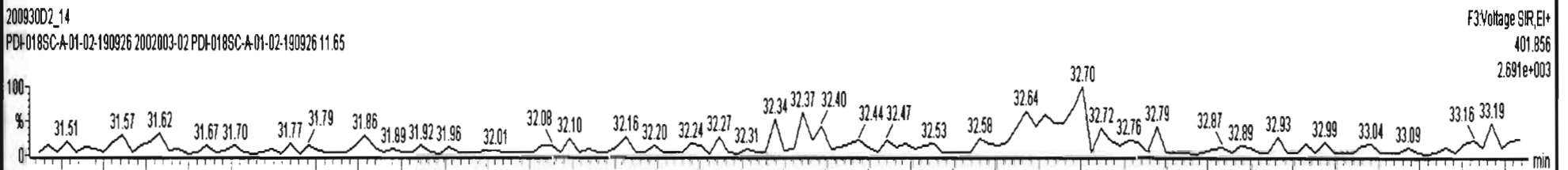
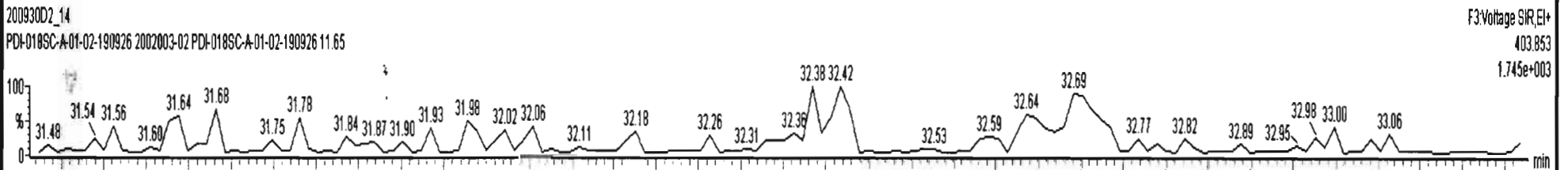
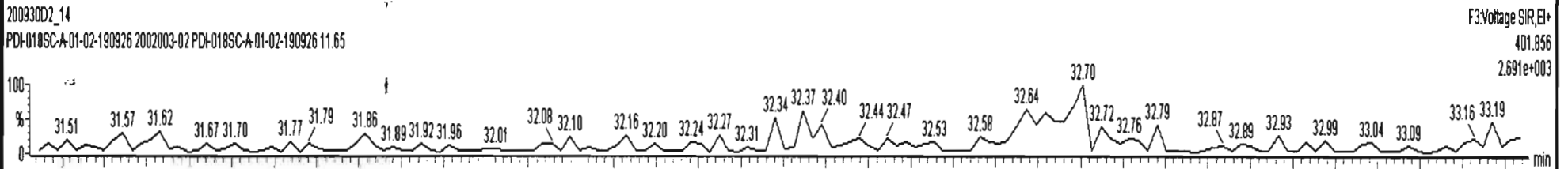
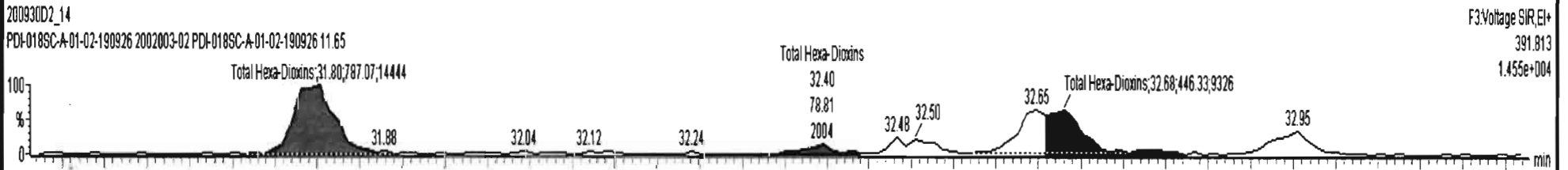
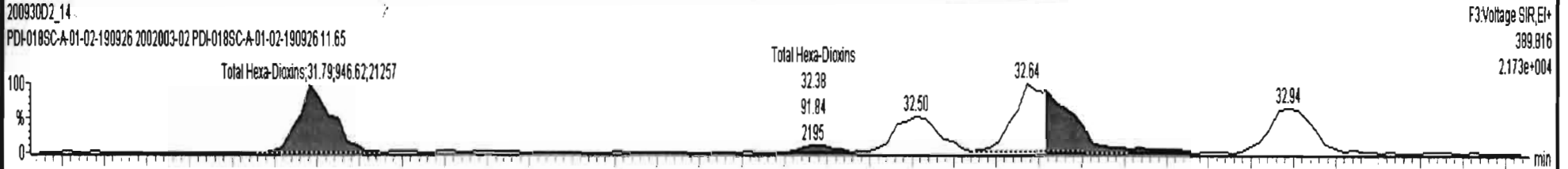


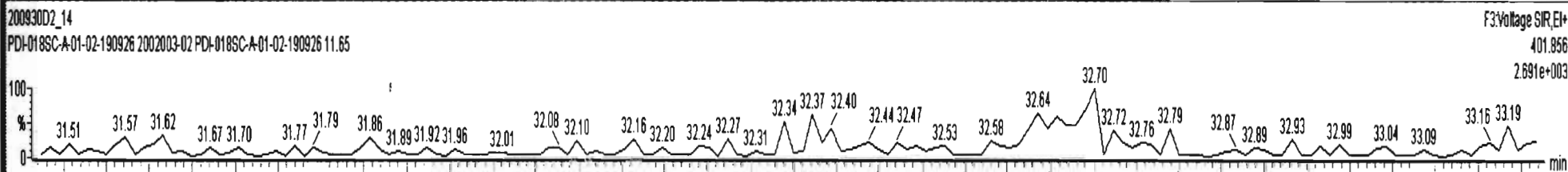
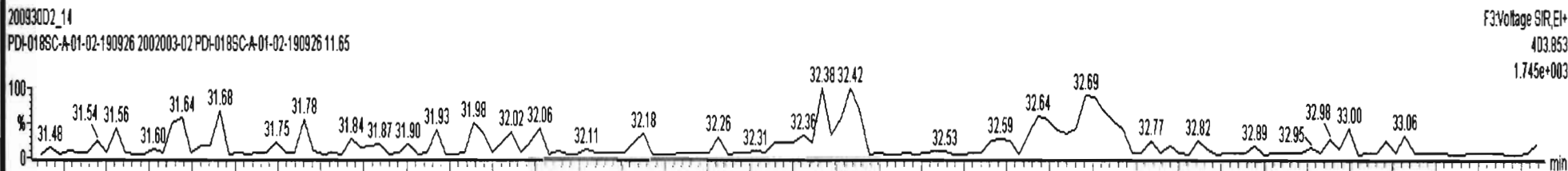
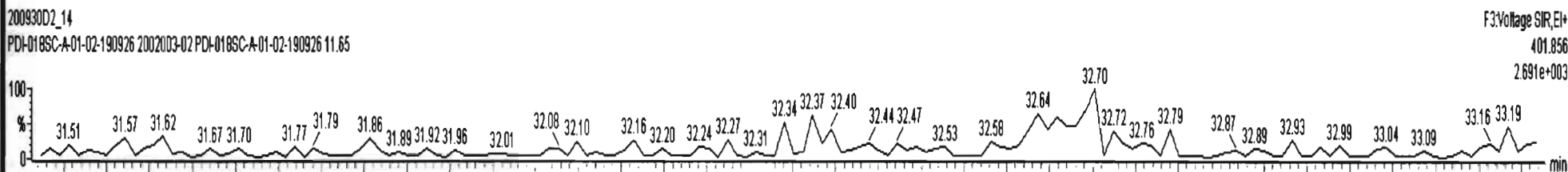
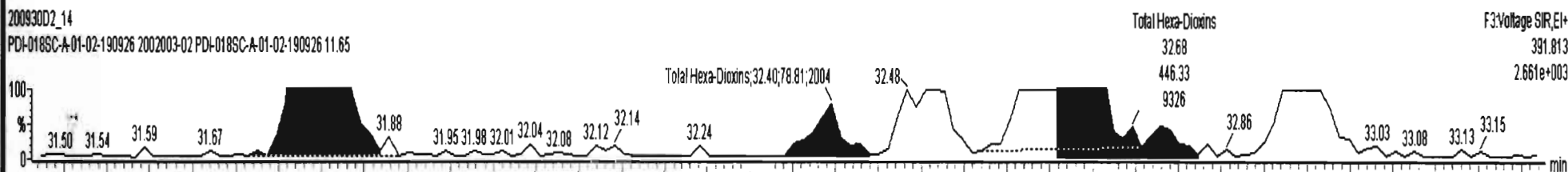
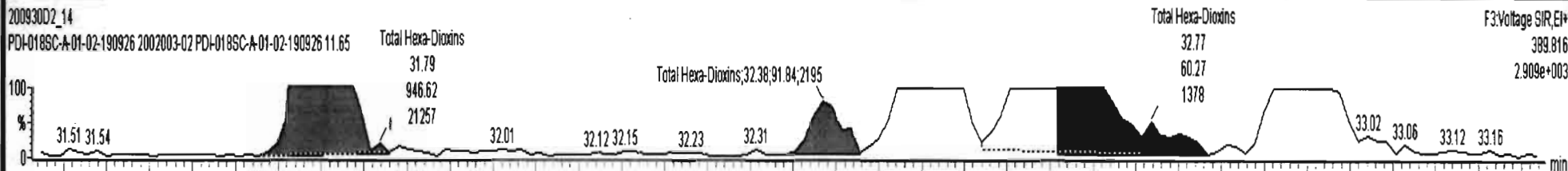
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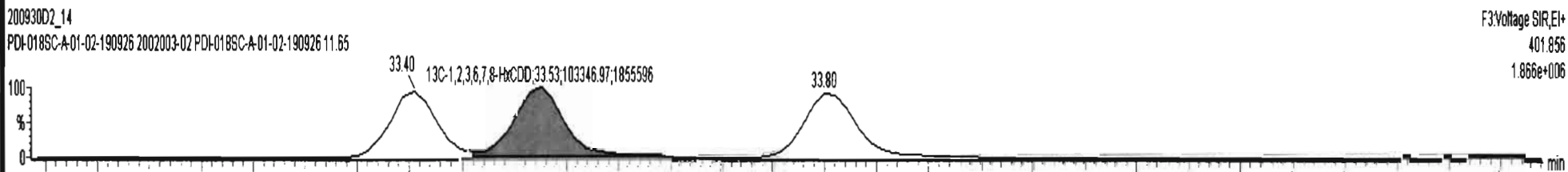
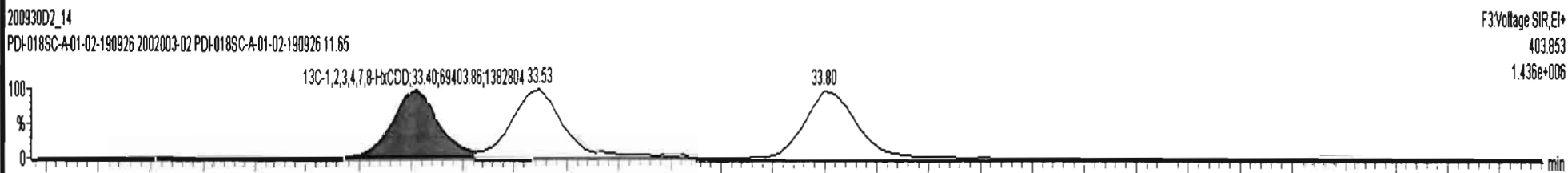
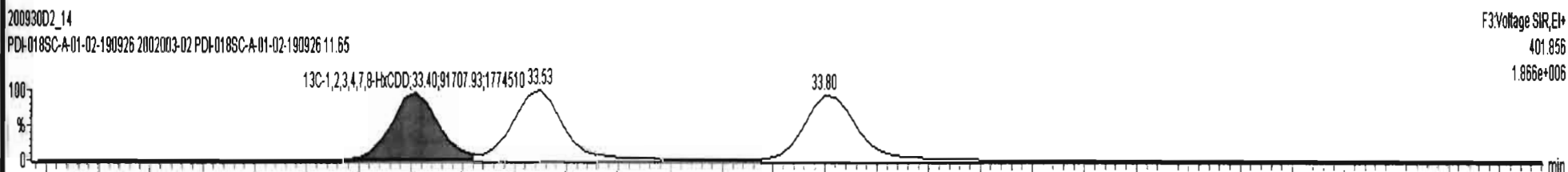
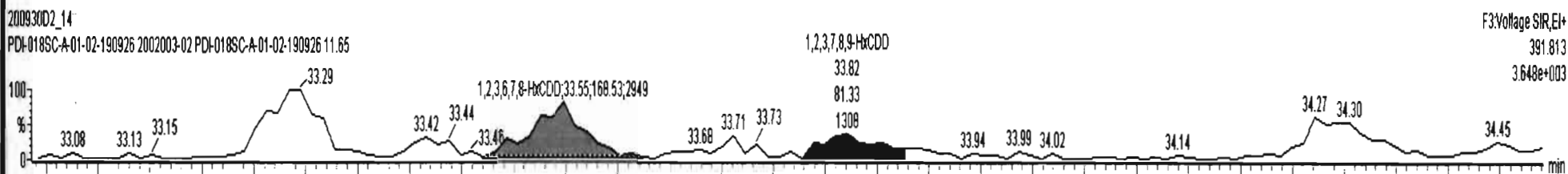
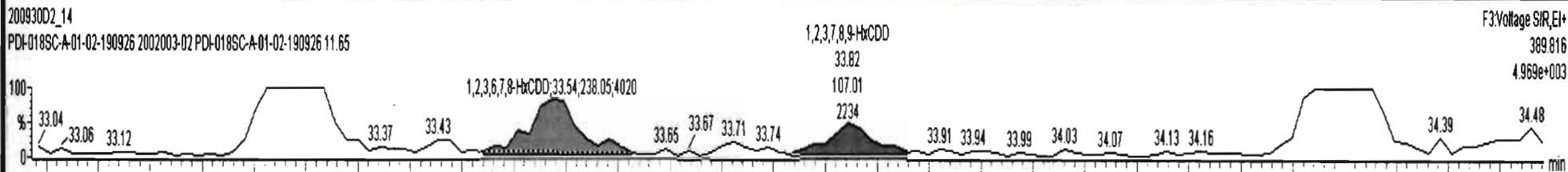
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20093002_14 - 2002003-02-PDI-018SC-A-01-02-190926 11.65 - PDI-018SC-A-01-02-190926

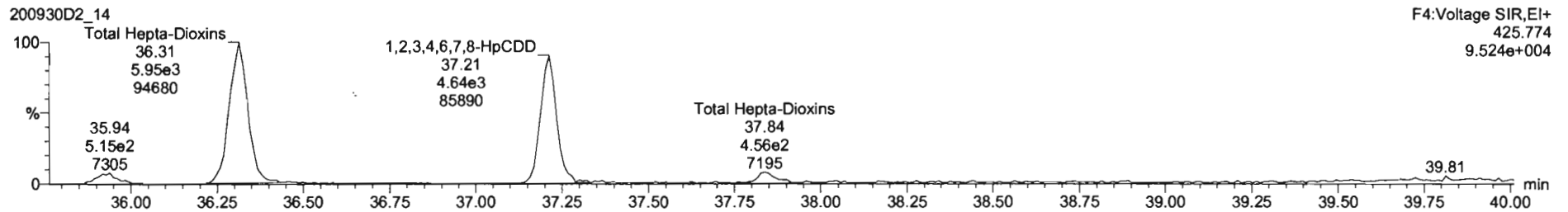
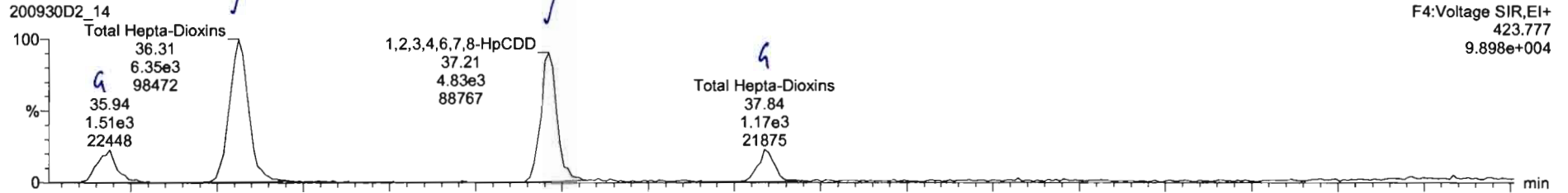


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_14.qld

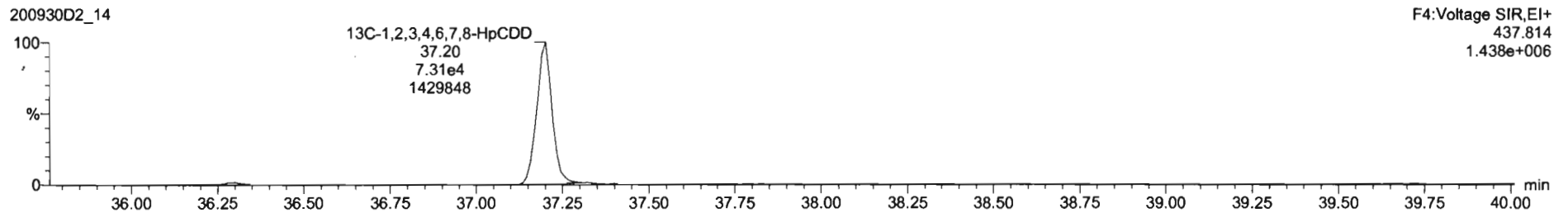
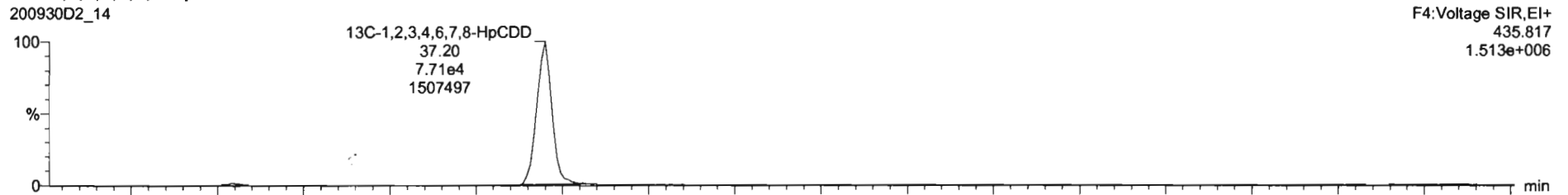
Last Altered: Thursday, October 01, 2020 10:53:16 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:54:08 Pacific Daylight Time

Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

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



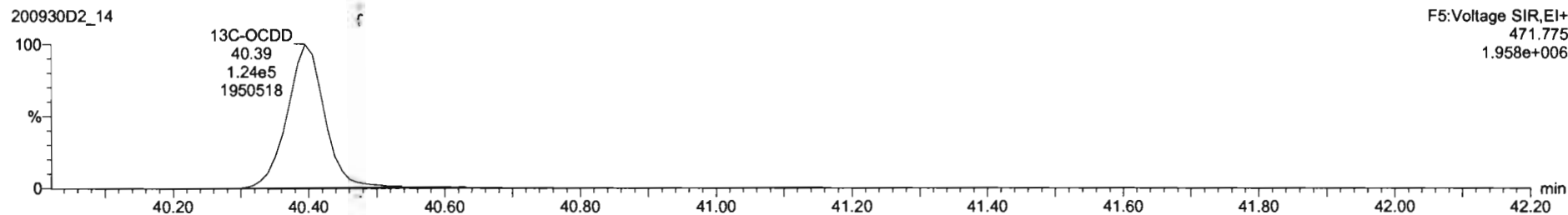
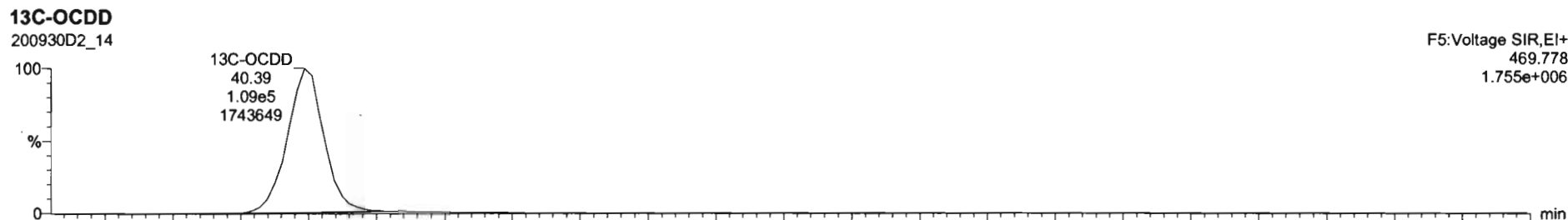
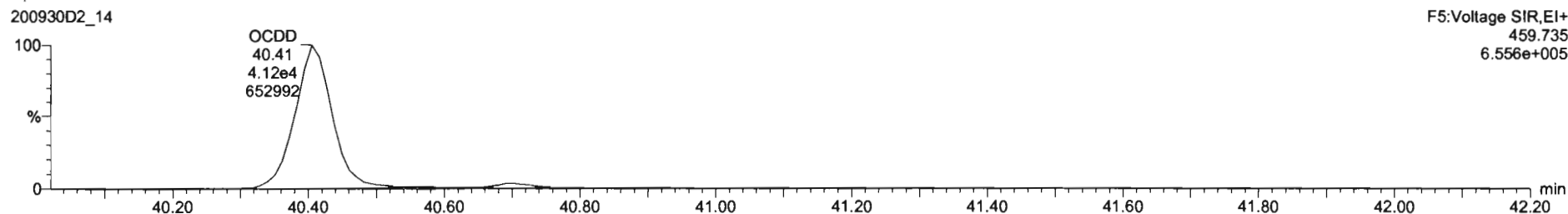
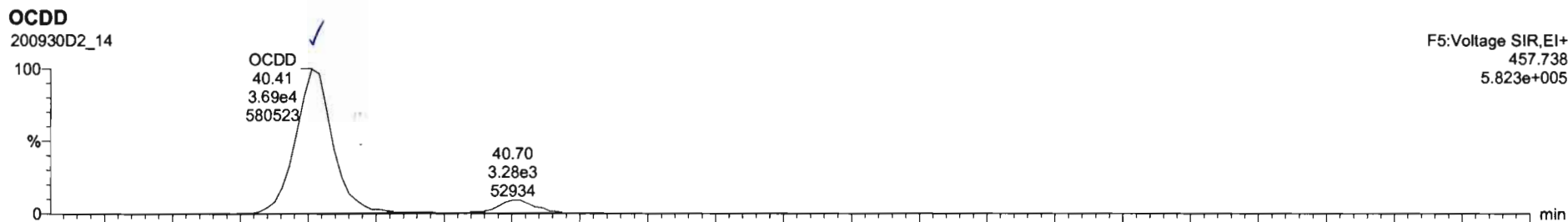
13C-1,2,3,4,6,7,8-HpCDD



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_14.qld

Last Altered: Thursday, October 01, 2020 10:53:16 Pacific Daylight Time
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Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

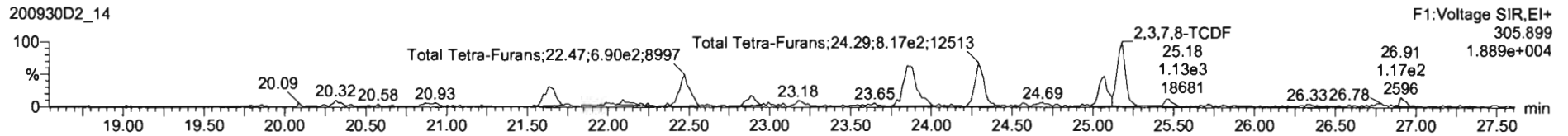
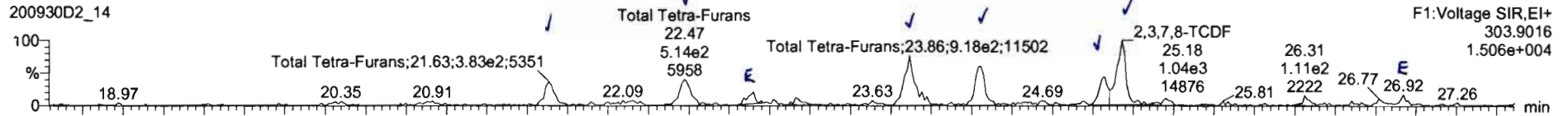


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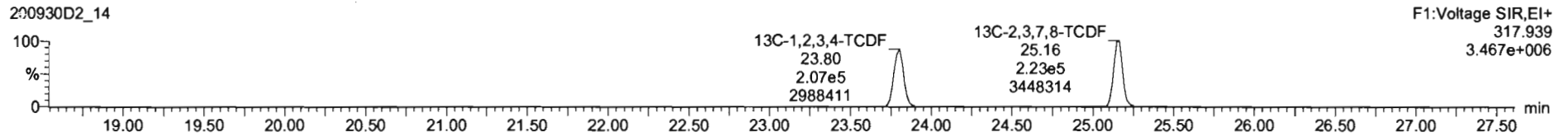
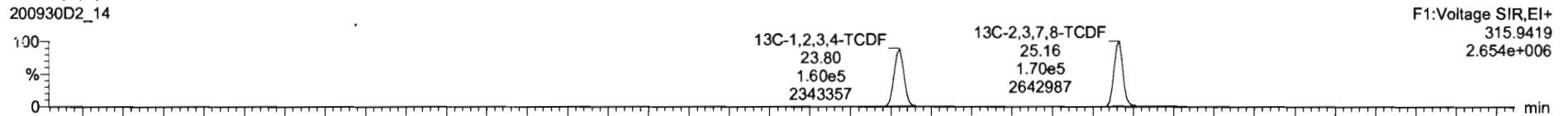
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Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

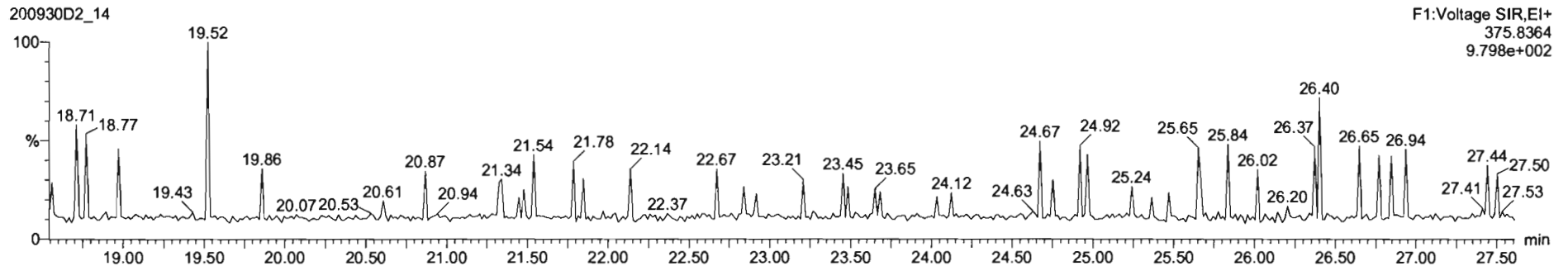
2,3,7,8-TCDF

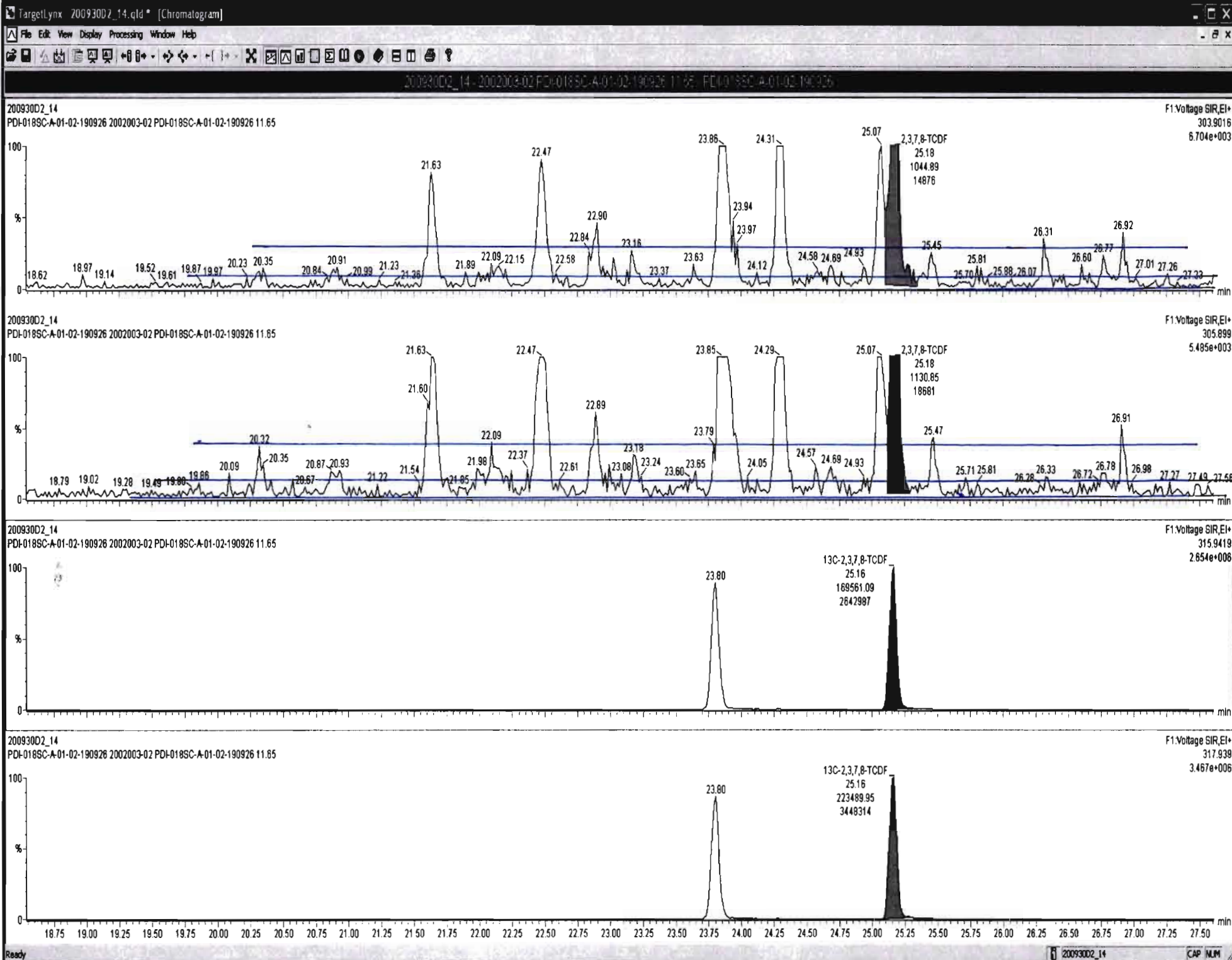


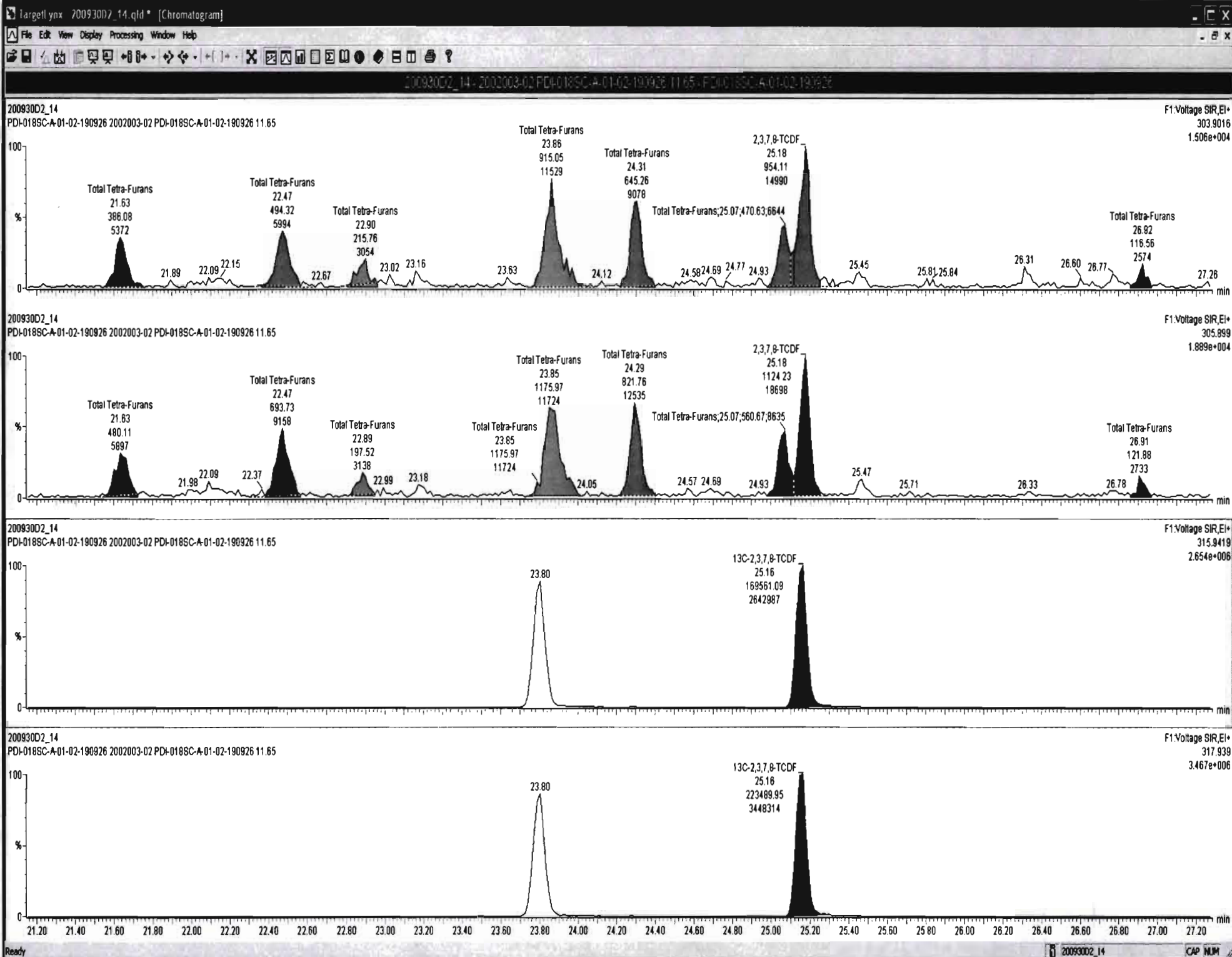
13C-2,3,7,8-TCDF



DPE1







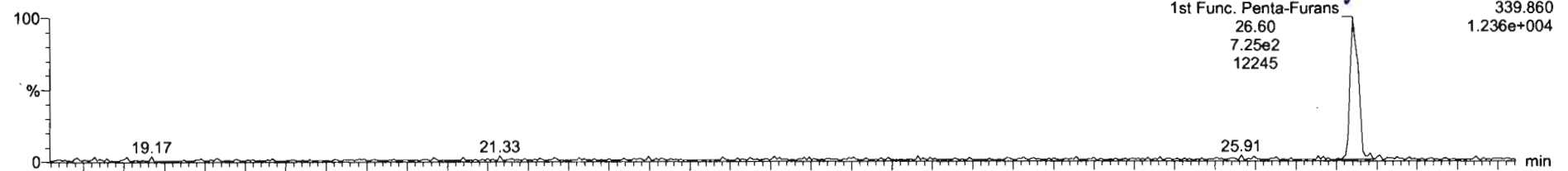
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Last Altered: Thursday, October 01, 2020 10:53:16 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:54:08 Pacific Daylight Time

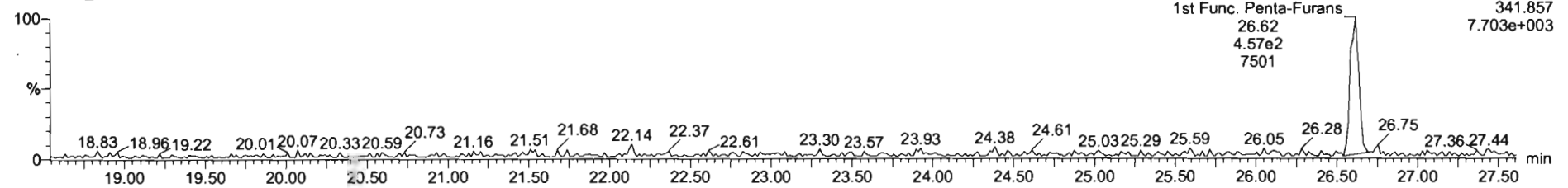
Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

1st Func. Penta-Furans

200930D2_14

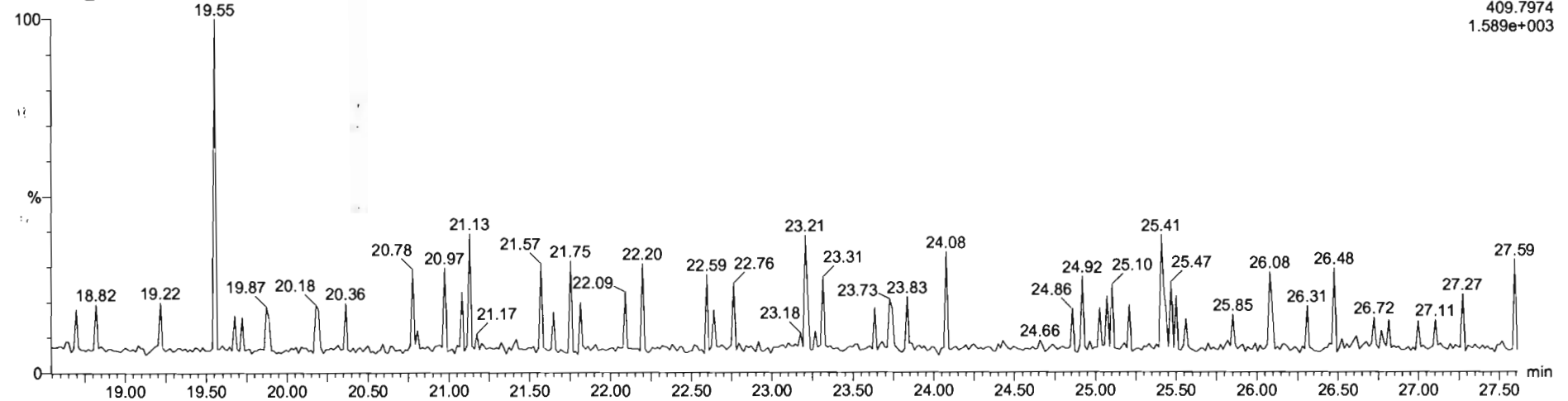


200930D2_14



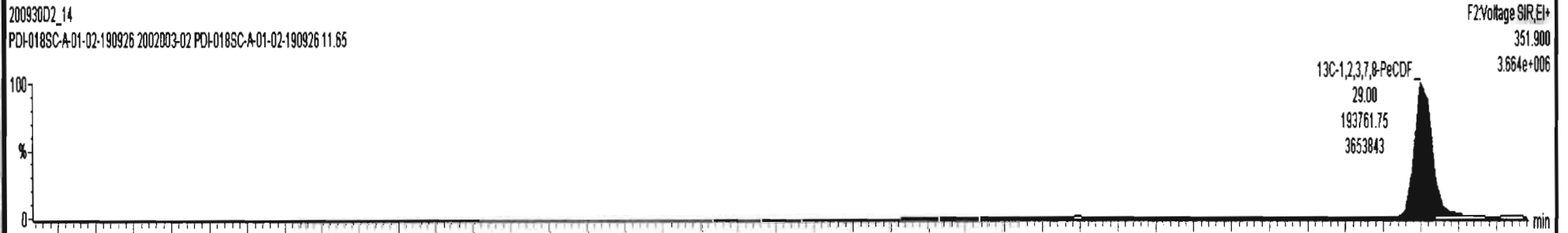
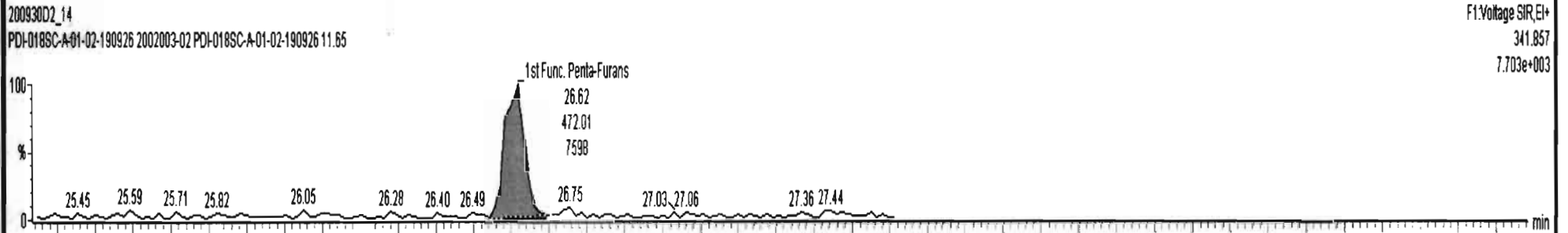
DPE6

200930D2_14





20093002_14 - 2002003-02 PD-018SC-A-01-02-190926 11.65 - PD-018SC-A-01-02-190926



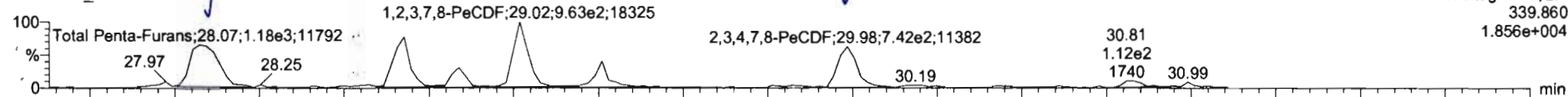
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Printed: Thursday, October 01, 2020 10:54:08 Pacific Daylight Time

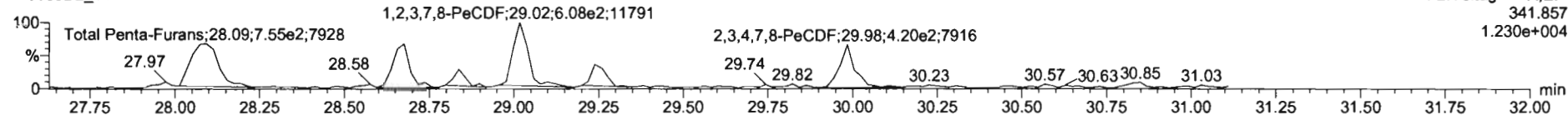
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1,2,3,7,8-PeCDF

200930D2_14

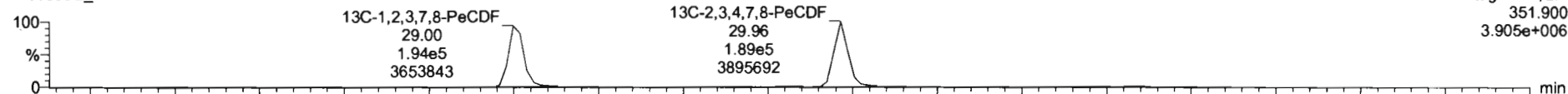


200930D2_14

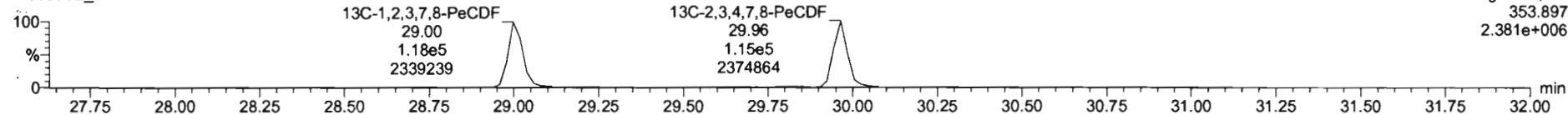


13C-1,2,3,7,8-PeCDF

200930D2_14

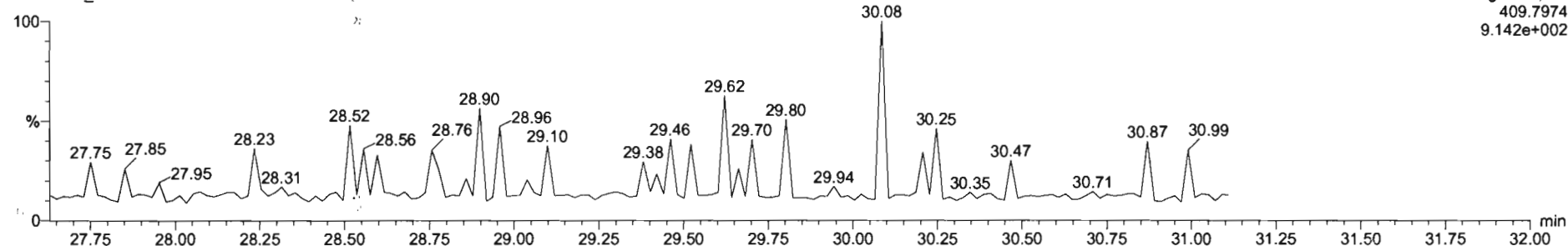


200930D2_14



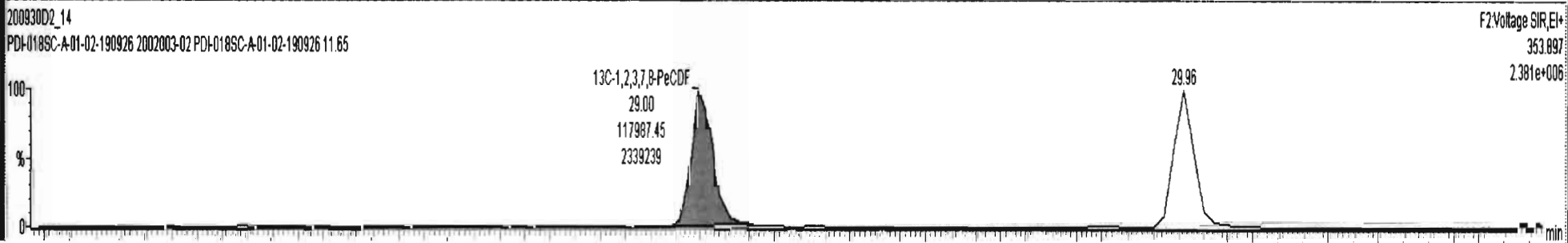
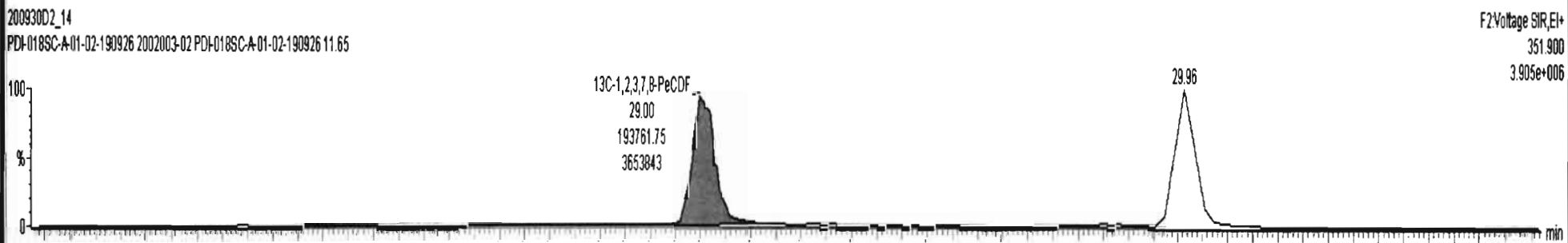
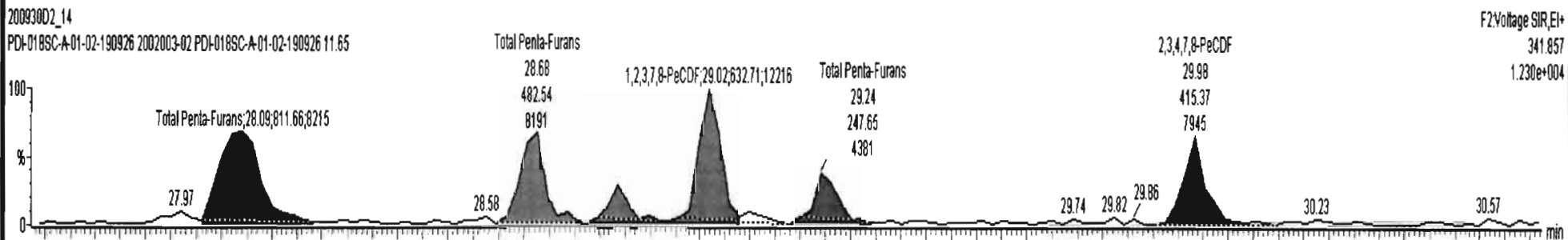
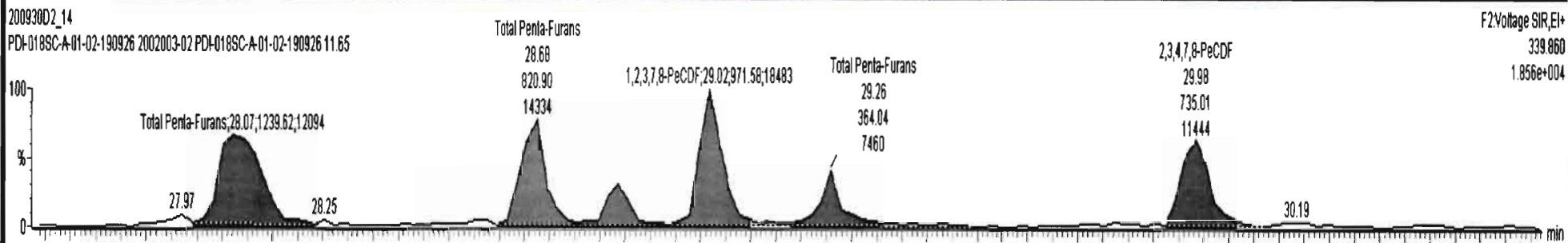
DPE2

200930D2_14





20093002_14 - 2002003-02 PDI-018SC-A-01-02-190926 11.65 - FDI-018SC-A-01-02-190926



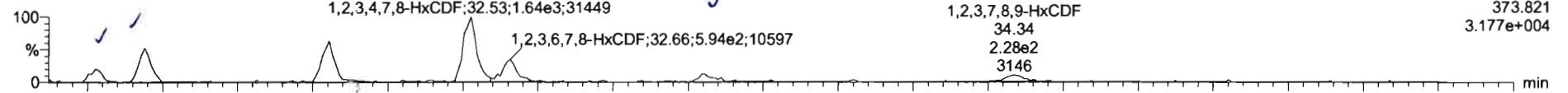
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Last Altered: Thursday, October 01, 2020 10:53:16 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:54:08 Pacific Daylight Time

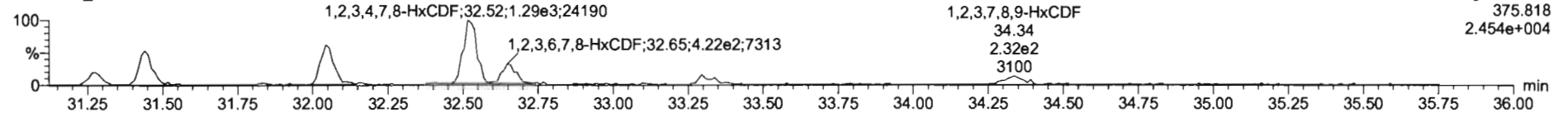
Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

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

200930D2_14

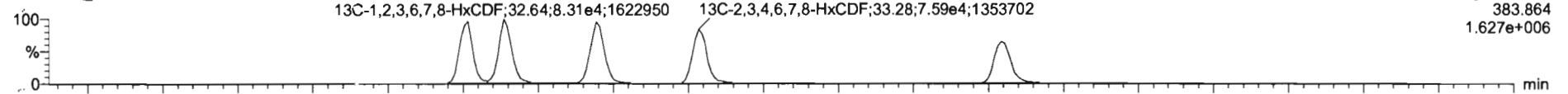


200930D2_14

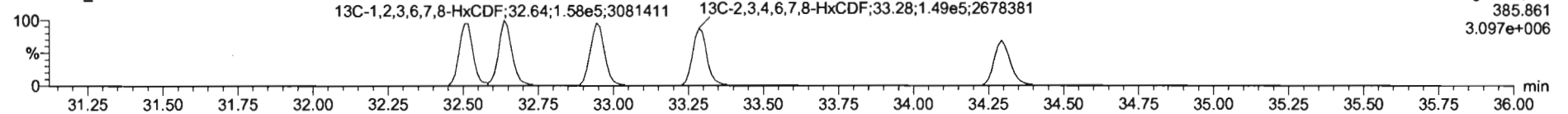


13C-1,2,3,4,7,8-HxCDF

200930D2_14

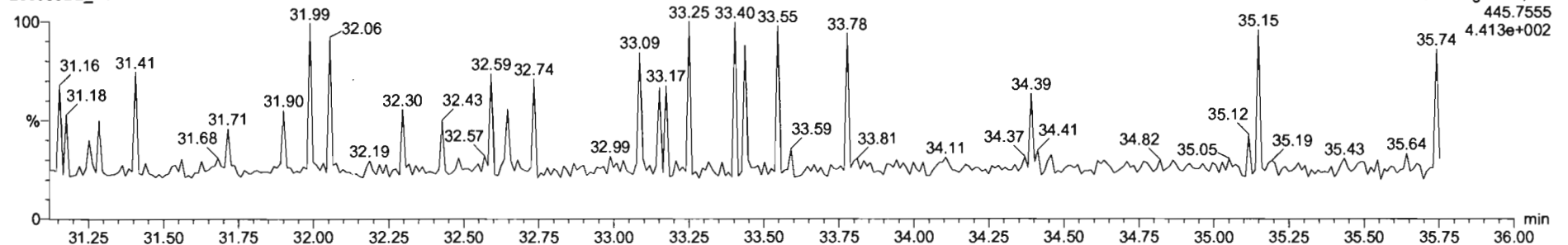


200930D2_14



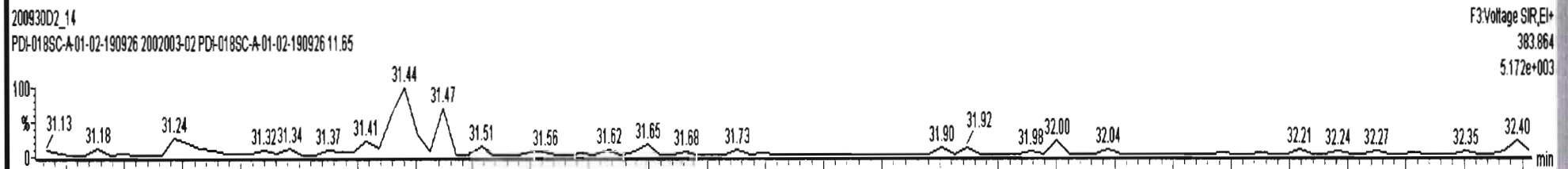
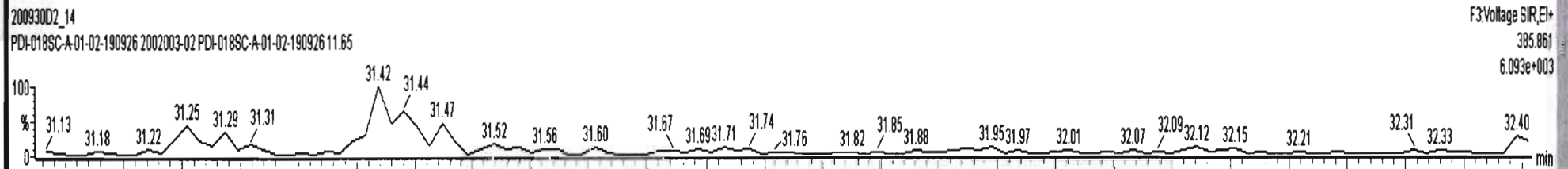
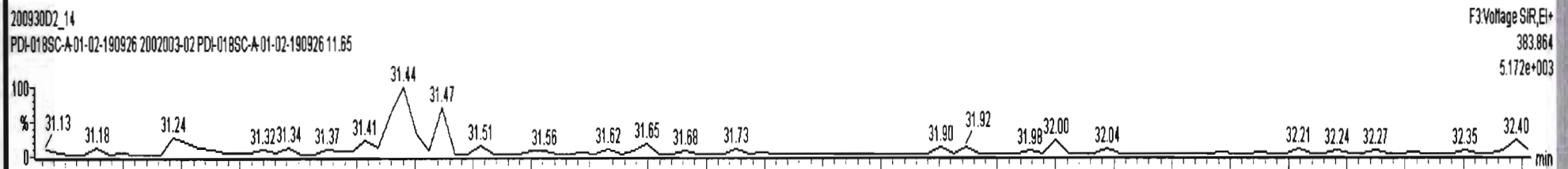
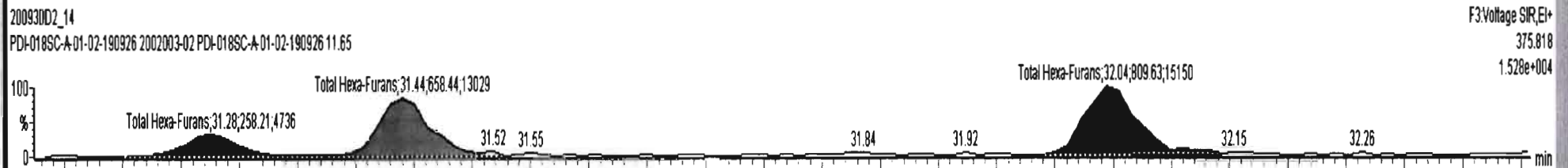
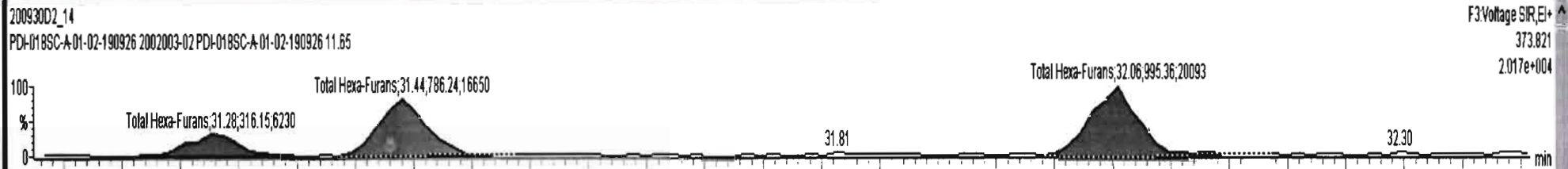
DPE3

200930D2_14



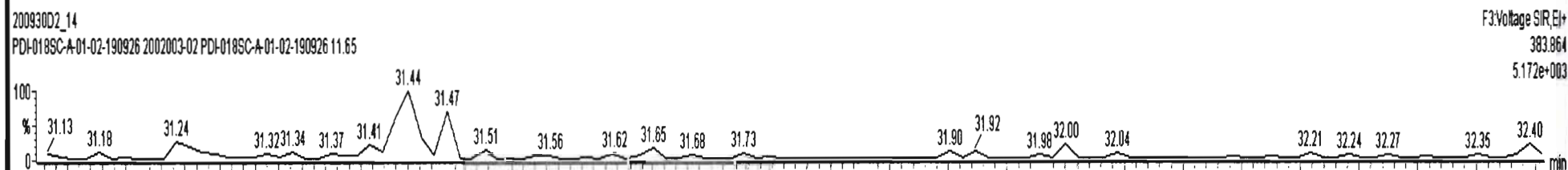
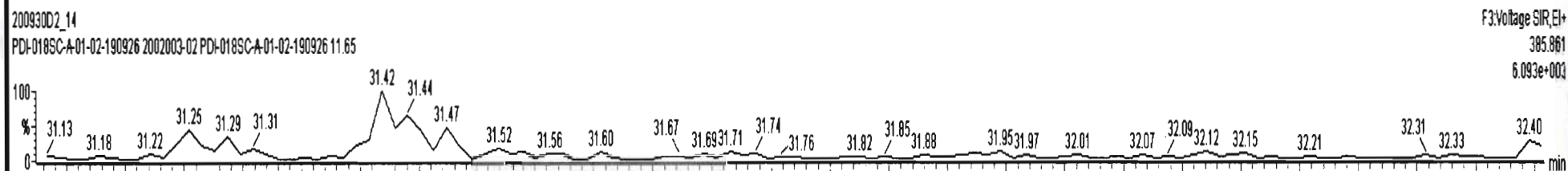
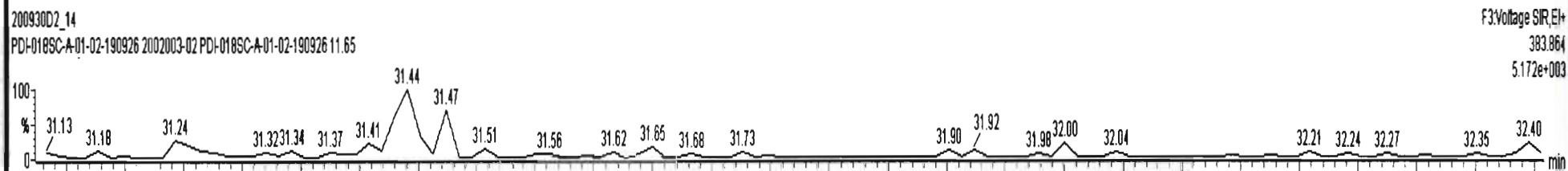
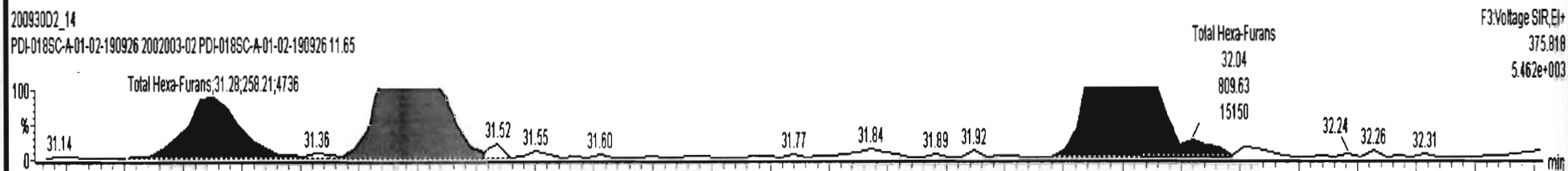
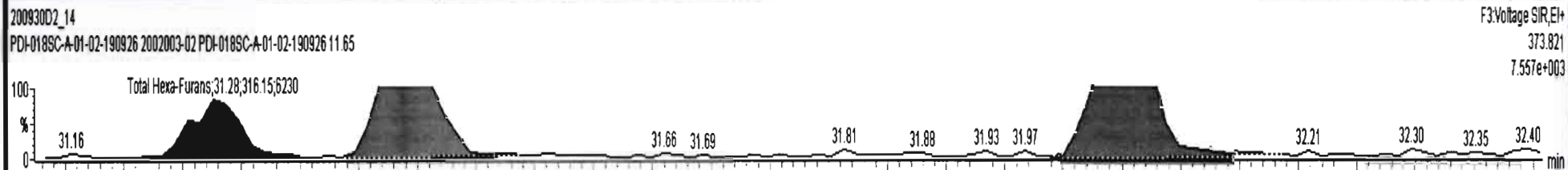


200930D2_14-2002003-02 PDI-018SC-A-01-02-190926 11.65 - PDI-018SC-A-01-02-190926



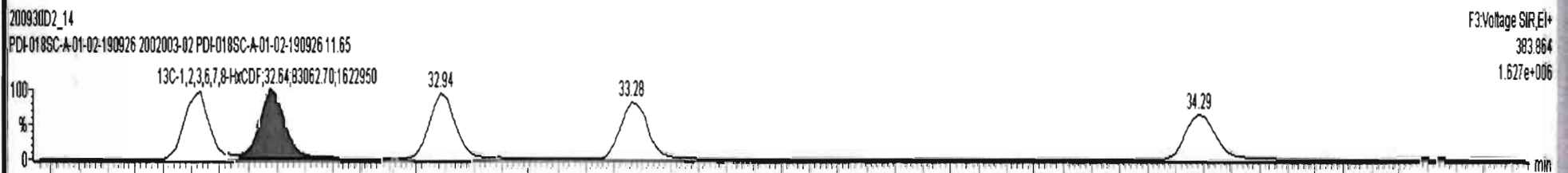
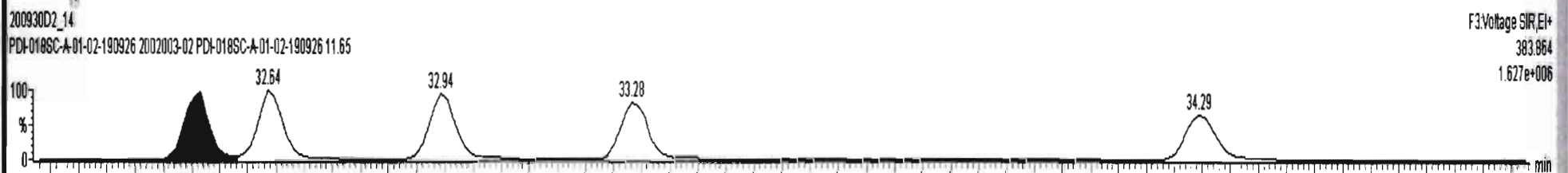
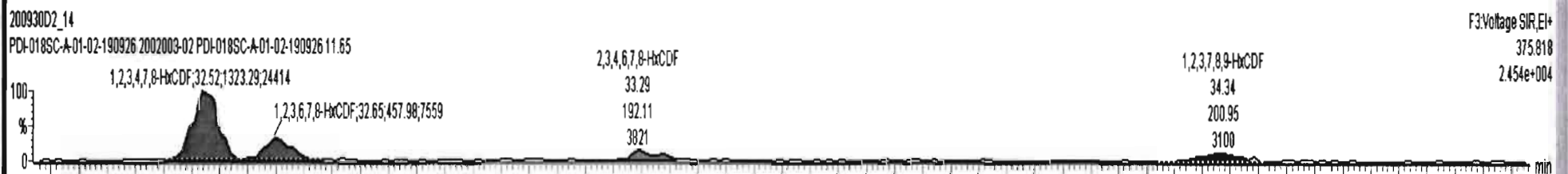


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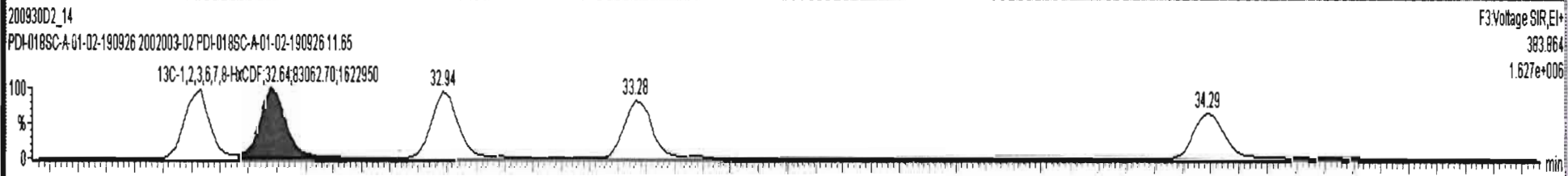
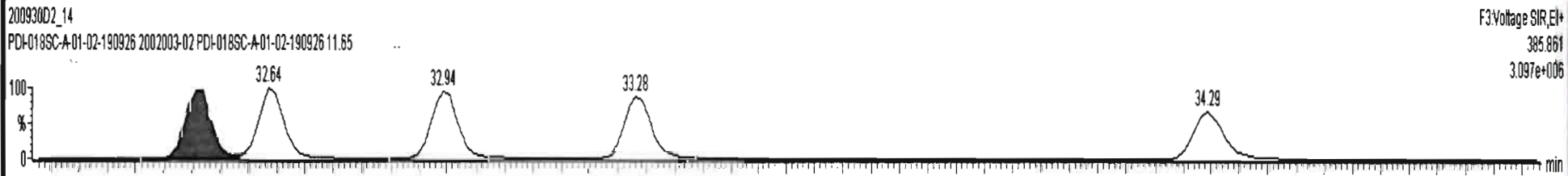
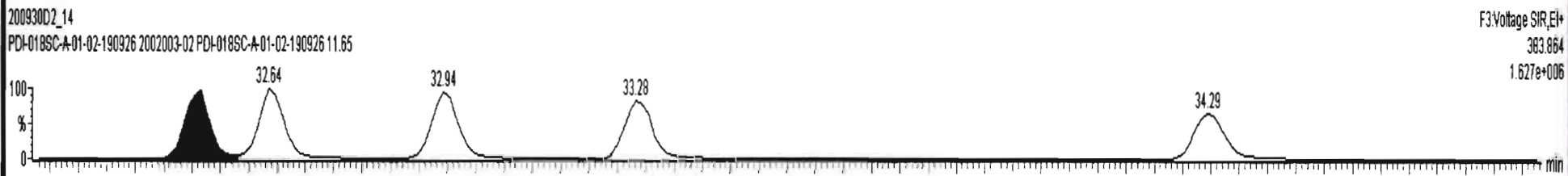
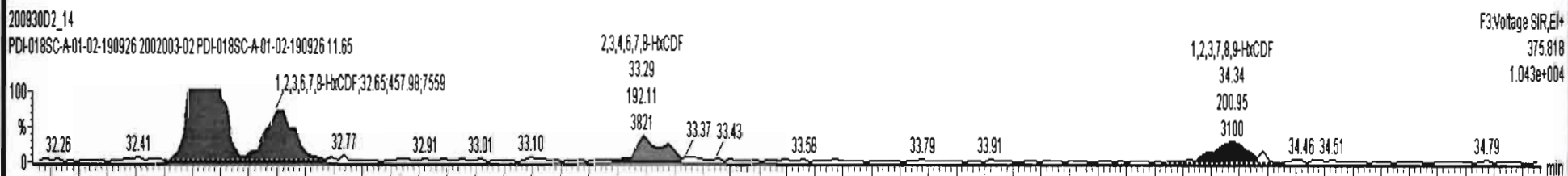


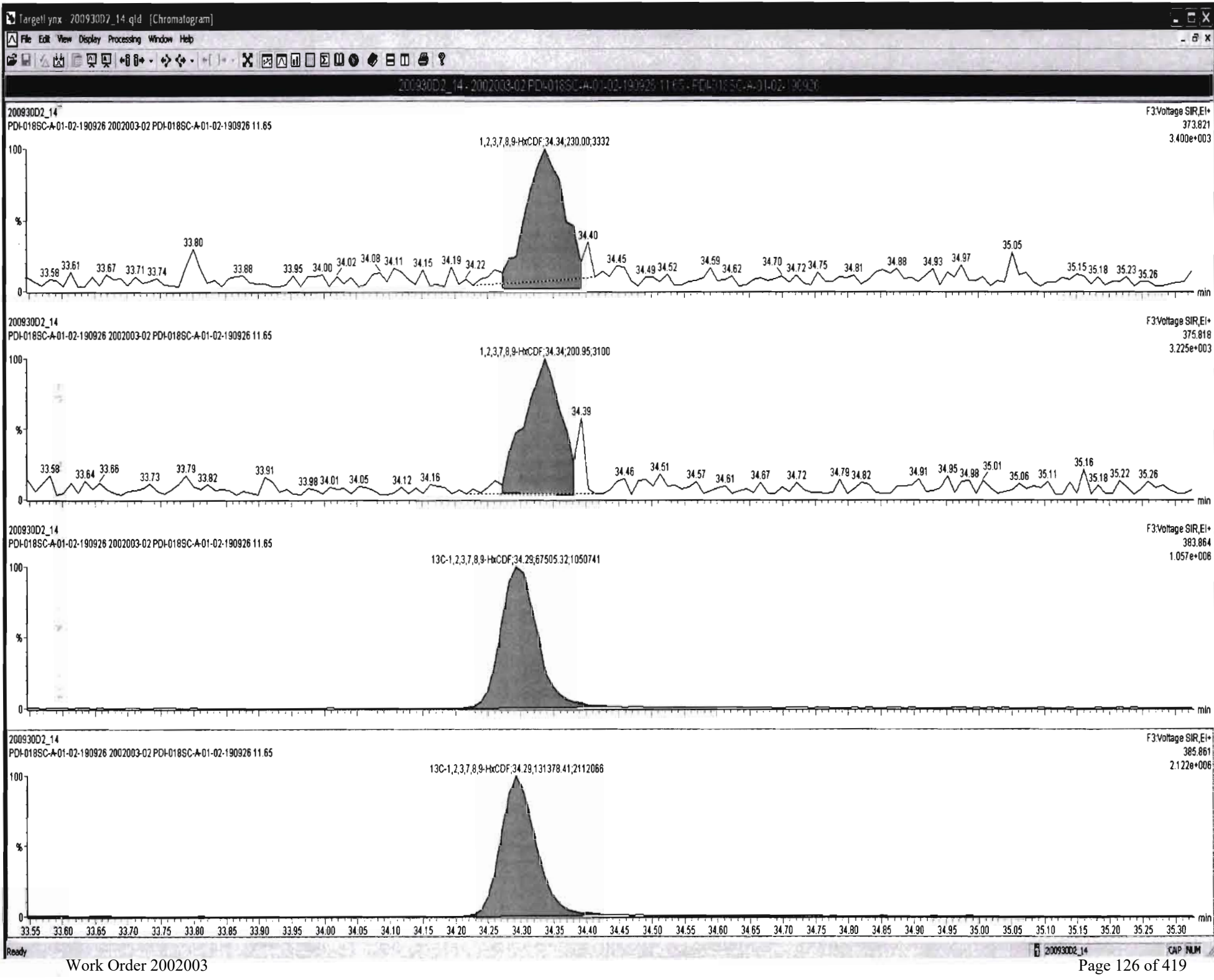
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20093002_14 - 2002003-02 PDI-0185C-A-01-02-190926 11.65 - PDI-0185C-A-01-02-190926





Dataset: U:\VG7.PRO\Results\200930D2\200930D2_14.qld

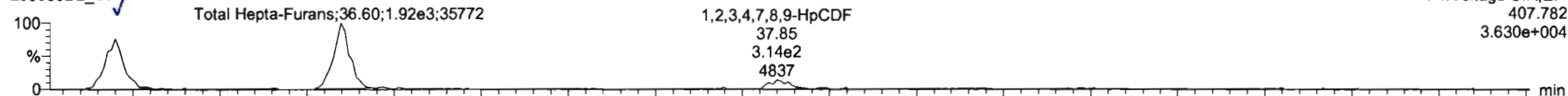
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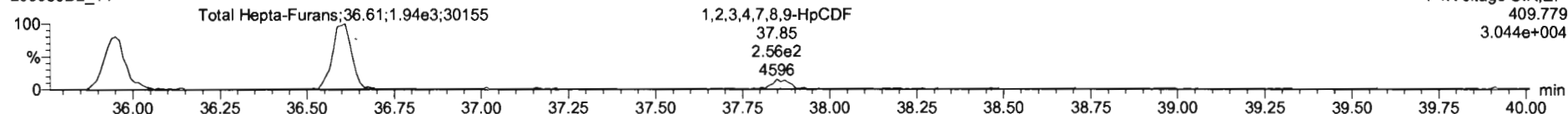
Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926

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

200930D2_14

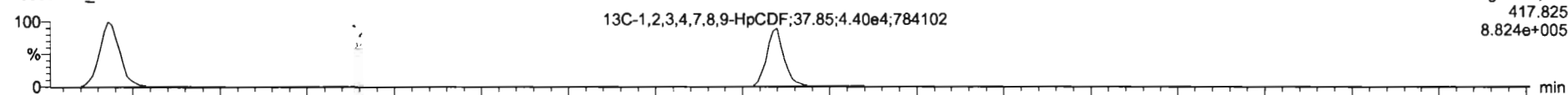


200930D2_14

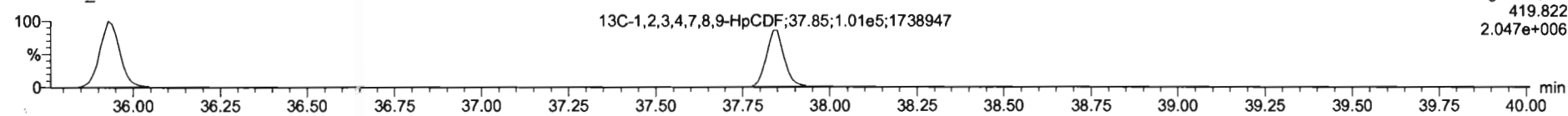


¹³C-1,2,3,4,6,7,8-HpCDF

200930D2_14

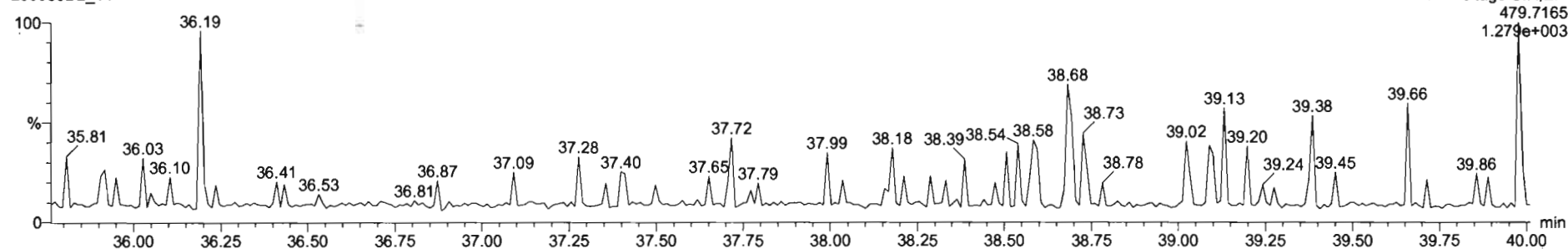


200930D2_14



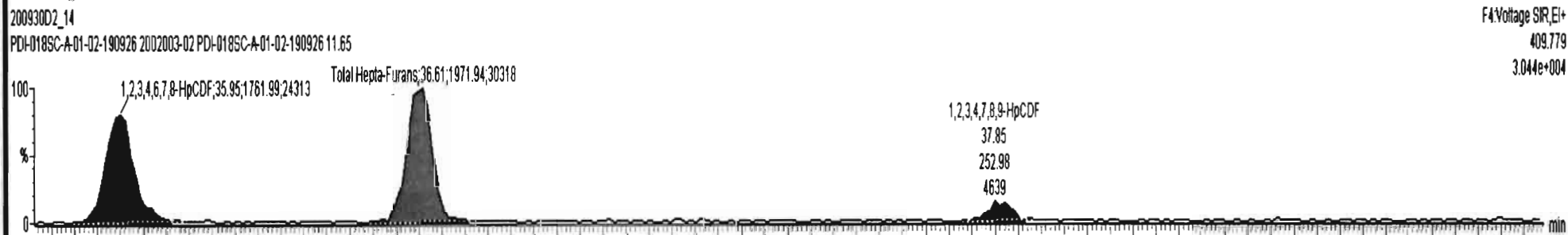
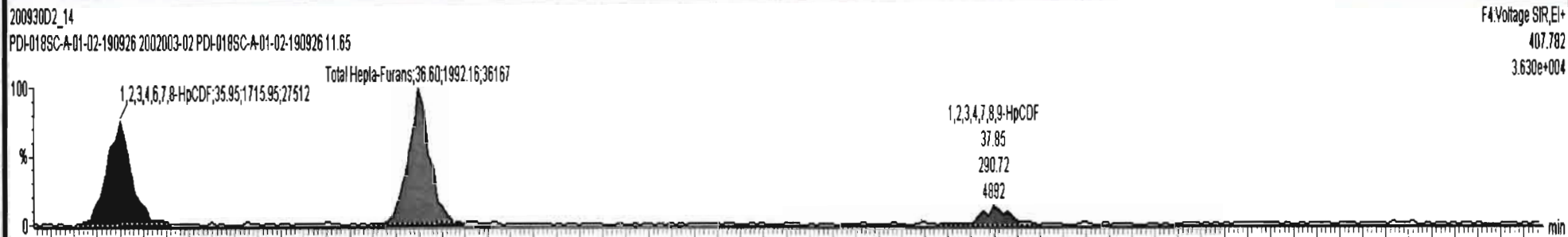
DPE4

200930D2_14



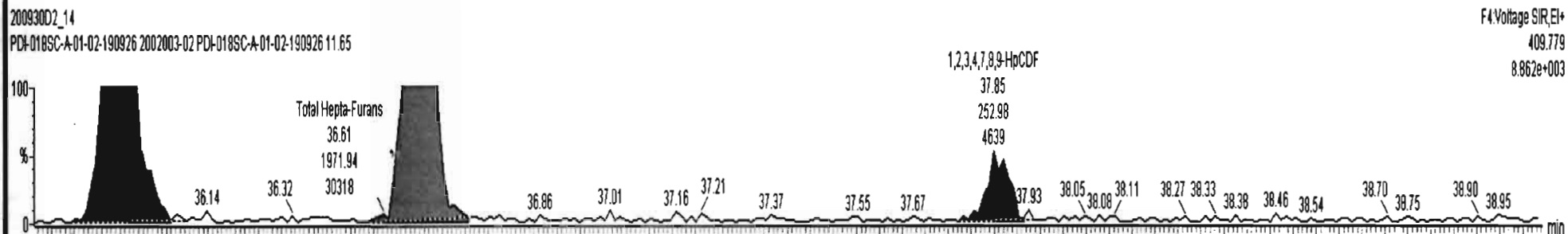
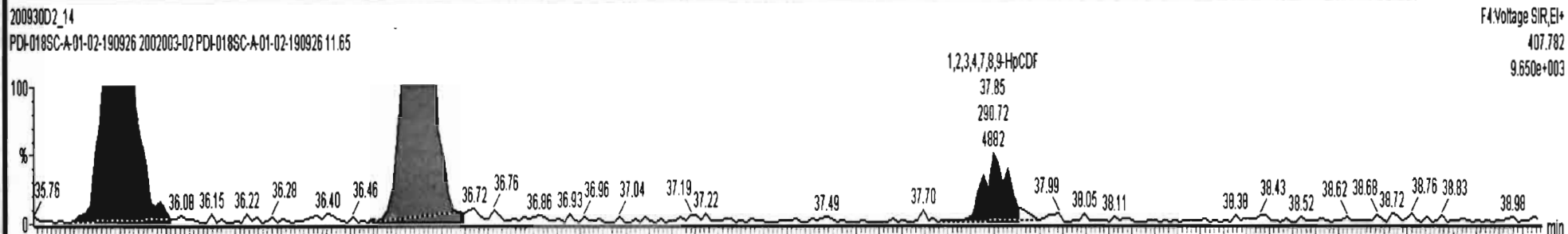


20093002_14 - 2002003-02 PDH-018SC-A-01-02-190926 11.65 - PDH-018SC-A-01-02-190926





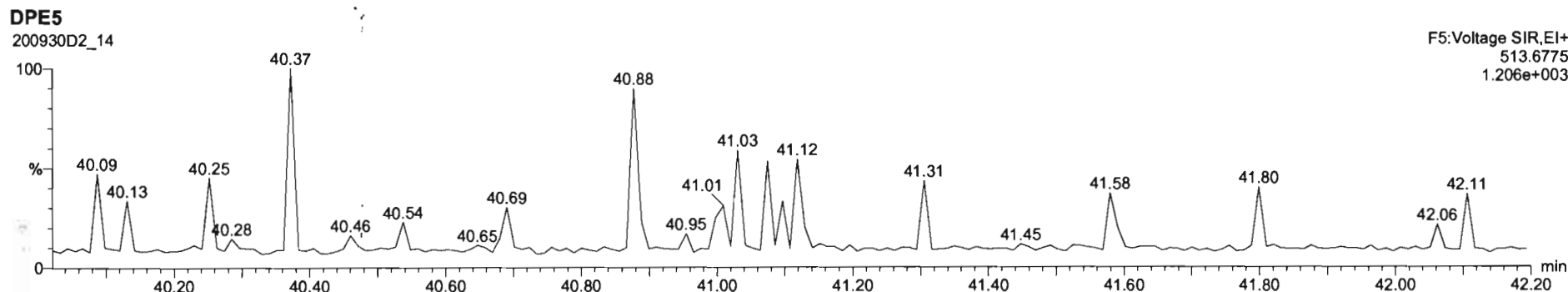
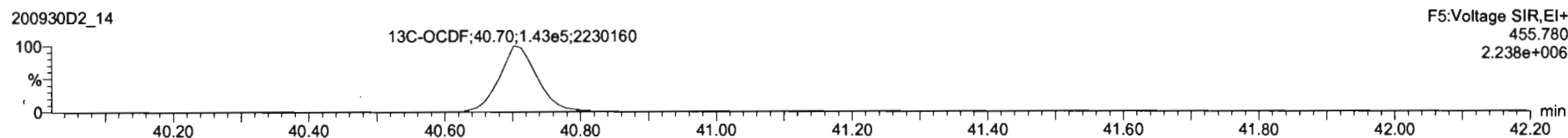
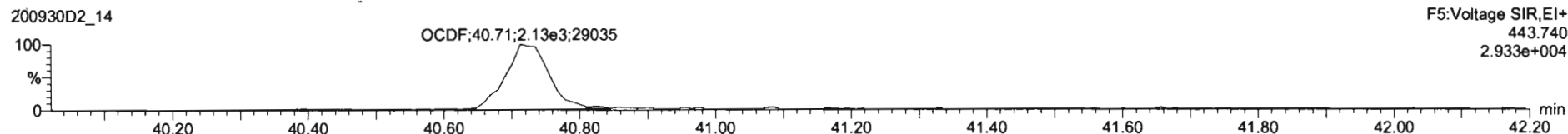
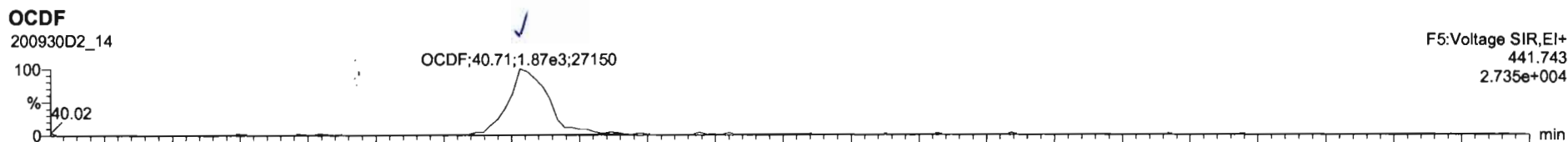
20093002_14 - 2002003-02 PDI-018SC-A-01-02-190926 11.65 - F4-018SC-A-01-02-190926



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_14.qld

Last Altered: Thursday, October 01, 2020 10:53:16 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:54:08 Pacific Daylight Time

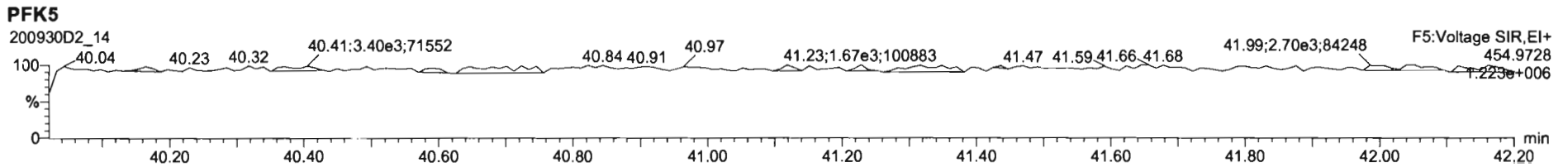
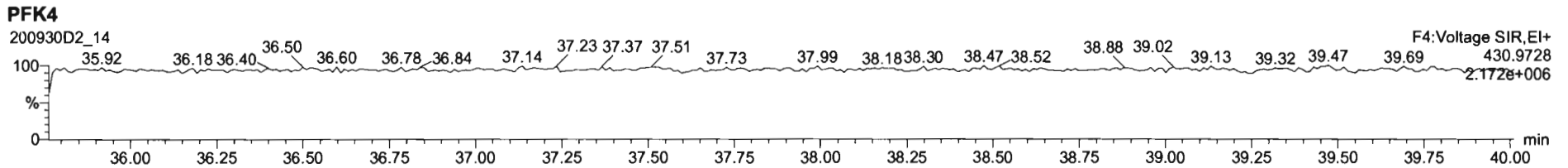
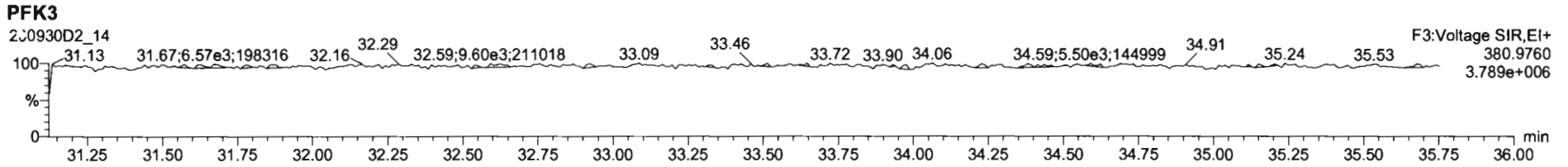
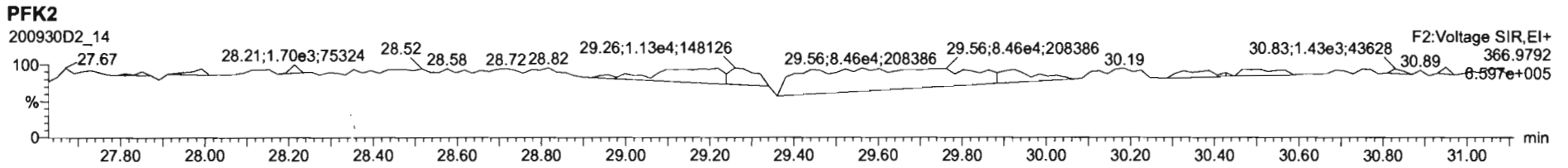
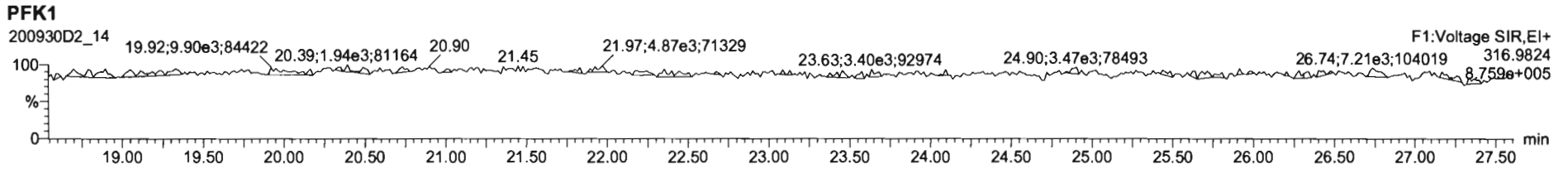
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Dataset: U:\VG7.PRO\Results\200930D2\200930D2_14.qld

Last Altered: Thursday, October 01, 2020 10:53:16 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:54:08 Pacific Daylight Time

Name: 200930D2_14, Date: 30-Sep-2020, Time: 22:43:26, ID: 2002003-02 PDI-018SC-A-01-02-190926 11.65, Description: PDI-018SC-A-01-02-190926



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_15.qld

Last Altered: Friday, October 02, 2020 10:28:16 Pacific Daylight Time

Printed: Friday, October 02, 2020 10:29:12 Pacific Daylight Time

DB 10/2/20

C7 10/05/2020

Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_15, Date: 30-Sep-2020, Time: 23:29:40, ID: 2002003-03 PDI-018SC-A-02-03-190926 10.16, Description: PDI-018SC-A-02-03-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	1.00	6.515	25.822		1.001				0.178	
2	2 1,2,3,7,8-PeCDD			NO	0.935	6.515	30.167		1.001				0.188	
3	3 1,2,3,4,7,8-HxCDD			NO	1.15	6.515	33.404		1.000				0.292	
4	4 1,2,3,6,7,8-HxCDD	3.21e2	1.13	NO	1.02	6.515	33.515	33.53	1.000	1.000	0.54773		0.295	0.548
5	5 1,2,3,7,8,9-HxCDD	1.98e2	1.64	YES	1.06	6.515	33.834	33.80	1.001	1.000	0.33037		0.305	0.280
6	6 1,2,3,4,6,7,8-HpCDD	4.42e3	1.08	NO	1.00	6.515	37.201	37.20	1.000	1.000	9.0814		0.814	9.08
7	7 OCDD	3.86e4	0.90	NO	0.952	6.515	40.384	40.40	1.000	1.000	118.45		0.431	118
8	8 2,3,7,8-TCDF	3.84e2	1.45	YES	1.01	6.515	25.173	25.16	1.001	1.001	0.30447		0.123	0.220
9	9 1,2,3,7,8-PeCDF			NO	0.998	6.515	29.019		1.001				0.118	
10	10 2,3,4,7,8-PeCDF	7.64e2	1.17	YES	1.07	6.515	29.995	29.98	1.001	1.001	0.77402		0.122	0.688
11	11 1,2,3,4,7,8-HxCDF	3.33e2	1.10	NO	1.05	6.515	32.505	32.51	1.000	1.000	0.42107		0.176	0.421
12	12 1,2,3,6,7,8-HxCDF	1.28e3	1.13	NO	1.10	6.515	32.647	32.65	1.000	1.000	1.5511		0.177	1.55
13	13 2,3,4,6,7,8-HxCDF	4.95e2	1.53	YES	1.09	6.515	33.306	33.33	1.001	1.002	0.66410		0.204	0.588
14	14 1,2,3,7,8,9-HxCDF			NO	1.08	6.515	34.283		1.000				0.242	
15	15 1,2,3,4,6,7,8-HpCDF	5.84e3	1.05	NO	1.13	6.515	35.965	35.94	1.001	1.000	8.5984		0.258	8.60
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.29	6.515	37.827		1.000				0.264	
17	17 OCDF	2.19e3	0.88	NO	0.953	6.515	40.702	40.71	1.000	1.000	5.7353		0.278	5.74
18	18 13C-2,3,7,8-TCDD	2.52e5	0.79	NO	1.17	6.515	25.786	25.79	1.026	1.026	295.26	96.2	0.737	
19	19 13C-1,2,3,7,8-PeCDD	1.96e5	0.62	NO	0.914	6.515	29.974	30.15	1.193	1.199	294.32	95.9	0.564	
20	20 13C-1,2,3,4,7,8-HxCDD	1.60e5	1.31	NO	0.634	6.515	33.394	33.39	1.014	1.014	313.60	102	1.07	
21	21 13C-1,2,3,6,7,8-HxCDD	1.75e5	1.26	NO	0.724	6.515	33.503	33.51	1.017	1.018	300.64	97.9	0.932	
22	22 13C-1,2,3,7,8,9-HxCDD	1.73e5	1.24	NO	0.716	6.515	33.769	33.80	1.025	1.026	300.40	97.9	0.943	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.49e5	1.05	NO	0.660	6.515	37.181	37.19	1.129	1.129	280.05	91.2	1.19	
24	24 13C-OCDD	2.10e5	0.87	NO	0.587	6.515	40.159	40.38	1.219	1.226	444.18	72.4	0.943	
25	25 13C-2,3,7,8-TCDF	3.82e5	0.77	NO	1.02	6.515	24.882	25.15	0.990	1.001	304.50	99.2	0.597	
26	26 13C-1,2,3,7,8-PeCDF	3.13e5	1.60	NO	0.842	6.515	29.046	29.00	1.156	1.154	302.73	98.6	0.751	
27	27 13C-2,3,4,7,8-PeCDF	2.82e5	1.59	NO	0.802	6.515	29.933	29.97	1.191	1.192	286.47	93.3	0.788	
28	28 13C-1,2,3,4,7,8-HxCDF	2.31e5	0.50	NO	1.00	6.515	32.538	32.51	0.988	0.987	285.69	93.1	0.931	
29	29 13C-1,2,3,6,7,8-HxCDF	2.30e5	0.51	NO	1.02	6.515	32.670	32.64	0.992	0.991	279.99	91.2	0.916	
30	30 13C-2,3,4,6,7,8-HxCDF	2.10e5	0.51	NO	0.955	6.515	33.233	33.27	1.009	1.010	273.21	89.0	0.978	
31	31 13C-1,2,3,7,8,9-HxCDF	1.94e5	0.51	NO	0.851	6.515	34.296	34.28	1.041	1.041	282.44	92.0	1.10	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_15.qld

Last Altered: Friday, October 02, 2020 10:28:16 Pacific Daylight Time

Printed: Friday, October 02, 2020 10:29:12 Pacific Daylight Time

Name: 200930D2_15, Date: 30-Sep-2020, Time: 23:29:40, ID: 2002003-03 PDI-018SC-A-02-03-190926 10.16, Description: PDI-018SC-A-02-03-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.84e5	0.43	NO	0.848	6.515	35.798	35.93	1.087	1.091	269.79	87.9	1.24	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.38e5	0.43	NO	0.624	6.515	37.774	37.83	1.147	1.149	274.75	89.5	1.69	
34	34 13C-OCDF	2.46e5	0.87	NO	0.730	6.515	40.310	40.70	1.224	1.236	417.80	68.1	0.547	
35	35 37Cl-2,3,7,8-TCDD	1.22e5			1.21	6.515	25.784	25.82	1.026	1.027	139.05	113	0.179	
36	36 13C-1,2,3,4-TCDD	2.24e5	0.79	NO	1.00	6.515	25.260	25.13	1.000	1.000	306.97	100	0.865	
37	37 13C-1,2,3,4-TCDF	3.77e5	0.77	NO	1.00	6.515	23.930	23.79	1.000	1.000	306.97	100	0.610	
38	38 13C-1,2,3,4,6,9-HxCDF	2.47e5	0.51	NO	1.00	6.515	32.990	32.93	1.000	1.000	306.97	100	0.934	
39	39 Total Tetra-Dioxins				1.00	6.515	24.620		0.000				0.0926	
40	40 Total Penta-Dioxins				0.935	6.515	29.960		0.000				0.0970	
41	41 Total Hexa-Dioxins				1.02	6.515	33.635		0.000		2.7354		0.313	4.66
42	42 Total Hepta-Dioxins				1.00	6.515	37.640		0.000		23.598		0.814	23.6
43	43 Total Tetra-Furans				1.01	6.515	23.610		0.000		3.5355		0.123	4.12
44	44 1st Func. Penta-Furans				0.998	6.515	26.750		0.000		4.3711		0.0675	4.37
45	45 Total Penta-Furans				0.998	6.515	29.275		0.000		1.9853		0.129	3.74
46	46 Total Hexa-Furans				1.09	6.515	33.555		0.000		12.795		0.197	13.4
47	47 Total Hepta-Furans				1.13	6.515	37.835		0.000		17.199		0.276	17.2

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_15.qld

Last Altered: Friday, October 02, 2020 10:28:16 Pacific Daylight Time

Printed: Friday, October 02, 2020 10:29:12 Pacific Daylight Time

Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\Z3_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_15, Date: 30-Sep-2020, Time: 23:29:40, ID: 2002003-03 PDI-018SC-A-02-03-190926 10.16, Description: PDI-018SC-A-02-03-190926

Tetra-Dioxins

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

Penta-Dioxins

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

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	31.78	1.346e4	1.122e4	6.380e2	4.780e2	1.33	NO	1.116e3	1.9730	1.9730	0.313
2	Total Hexa-Dioxins	32.38	1.387e3	1.280e3	6.292e1	5.850e1	1.08	NO	1.214e2	0.21467	0.21467	0.313
3	Total Hexa-Dioxins	32.65	1.767e4	9.465e3	6.361e2	4.143e2	1.54	YES	0.000e0	0.00000	1.6408	0.313
4	1,2,3,6,7,8-HxCDD	33.53	3.006e3	2.631e3	1.700e2	1.506e2	1.13	NO	3.205e2	0.54773	0.54773	0.295
5	1,2,3,7,8,9-HxCDD	33.80	1.948e3	1.503e3	1.229e2	7.491e1	1.64	YES	1.978e2	0.00000	0.28023	0.305

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.31	5.145e4	5.377e4	3.562e3	3.496e3	1.02	NO	7.058e3	14.517	14.517	0.814
2	1,2,3,4,6,7,8-HpCDD	37.20	4.173e4	3.950e4	2.288e3	2.127e3	1.08	NO	4.415e3	9.0814	9.0814	0.814

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Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_15.qld

Last Altered: Friday, October 02, 2020 10:28:16 Pacific Daylight Time

Printed: Friday, October 02, 2020 10:29:12 Pacific Daylight Time

Name: 200930D2_15, Date: 30-Sep-2020, Time: 23:29:40, ID: 2002003-03 PDI-018SC-A-02-03-190926 10.16, Description: PDI-018SC-A-02-03-190926

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.62	9.531e3	1.135e4	7.930e2	1.013e3	0.78	NO	1.806e3	1.4315	1.4315	0.123
2	Total Tetra-Furans	22.46	3.891e3	4.917e3	2.999e2	4.074e2	0.74	NO	7.073e2	0.56051	0.56051	0.123
3	Total Tetra-Furans	22.89	7.325e3	7.517e3	4.745e2	5.367e2	0.88	NO	1.011e3	0.80131	0.80131	0.123
4	Total Tetra-Furans	23.88	5.399e3	7.248e3	3.942e2	5.423e2	0.73	NO	9.365e2	0.74213	0.74213	0.123
5	Total Tetra-Furans	24.31	2.680e3	2.072e3	1.811e2	1.547e2	1.17	YES	0.000e0	0.00000	0.21694	0.123
6	2,3,7,8-TCDF	25.16	3.291e3	2.396e3	2.275e2	1.567e2	1.45	YES	3.842e2	0.00000	0.21980	0.123
7	Total Tetra-Furans	26.28	1.579e3	2.089e3	1.069e2	1.082e2	0.99	YES	0.000e0	0.00000	0.15178	0.123

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.60	4.401e4	3.121e4	2.543e3	1.686e3	1.51	NO	4.229e3	4.3711	4.3711	0.0675

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.11	1.529e4	9.151e3	1.217e3	7.034e2	1.73	NO	1.921e3	1.9853	1.9853	0.129
2	Total Penta-Furans	28.66	6.806e3	6.993e3	3.928e2	3.427e2	1.15	YES	0.000e0	0.00000	0.66784	0.129
3	Total Penta-Furans	29.24	2.363e3	1.859e3	2.368e2	1.925e2	1.23	YES	0.000e0	0.00000	0.40263	0.129
4	2,3,4,7,8-PeCDF	29.98	7.768e3	5.880e3	4.128e2	3.514e2	1.17	YES	7.642e2	0.00000	0.68779	0.132

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.28	1.177e4	1.212e4	5.662e2	5.020e2	1.13	NO	1.068e3	1.3949	1.3949	0.197
2	Total Hexa-Furans	31.43	3.183e4	2.629e4	1.575e3	1.241e3	1.27	NO	2.816e3	3.6773	3.6773	0.197
3	Total Hexa-Furans	32.03	4.437e4	3.517e4	2.466e3	1.938e3	1.27	NO	4.404e3	5.7502	5.7502	0.197
4	1,2,3,4,7,8-HxCDF	32.51	3.269e3	3.096e3	1.743e2	1.587e2	1.10	NO	3.330e2	0.42107	0.42107	0.176
5	1,2,3,6,7,8-HxCDF	32.65	1.166e4	1.235e4	6.763e2	6.008e2	1.13	NO	1.277e3	1.5511	1.5511	0.177
6	2,3,4,6,7,8-HxCDF	33.33	4.224e3	2.898e3	2.991e2	1.955e2	1.53	YES	4.947e2	0.00000	0.58796	0.204

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_15.qld

Last Altered: Friday, October 02, 2020 10:28:16 Pacific Daylight Time

Printed: Friday, October 02, 2020 10:29:12 Pacific Daylight Time

Name: 200930D2_15, Date: 30-Sep-2020, Time: 23:29:40, ID: 2002003-03 PDI-018SC-A-02-03-190926 10.16, Description: PDI-018SC-A-02-03-190926

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	35.94	4.657e4	4.535e4	2.989e3	2.853e3	1.05	NO	5.841e3	8.5984	8.5984	0.258
2	Total Hepta-Furans	36.60	4.049e4	4.184e4	2.586e3	2.525e3	1.02	NO	5.111e3	8.6009	8.6009	0.276

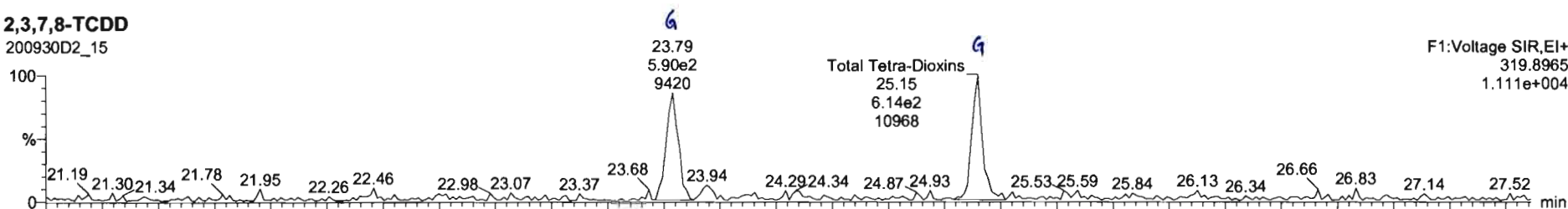
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Last Altered: Thursday, October 01, 2020 10:54:21 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:56:08 Pacific Daylight Time

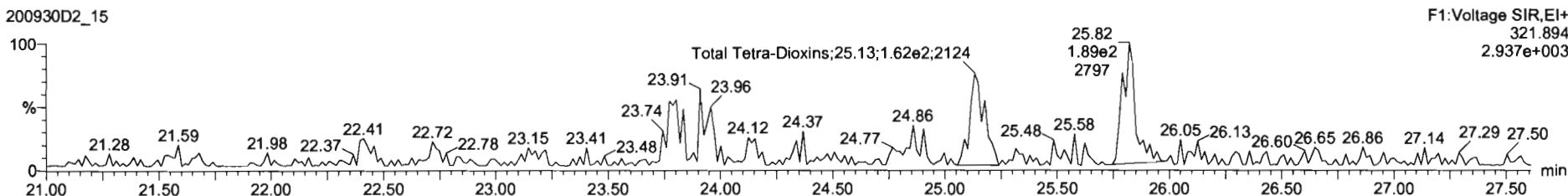
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Name: 200930D2_15, Date: 30-Sep-2020, Time: 23:29:40, ID: 2002003-03 PDI-018SC-A-02-03-190926 10.16, Description: PDI-018SC-A-02-03-190926

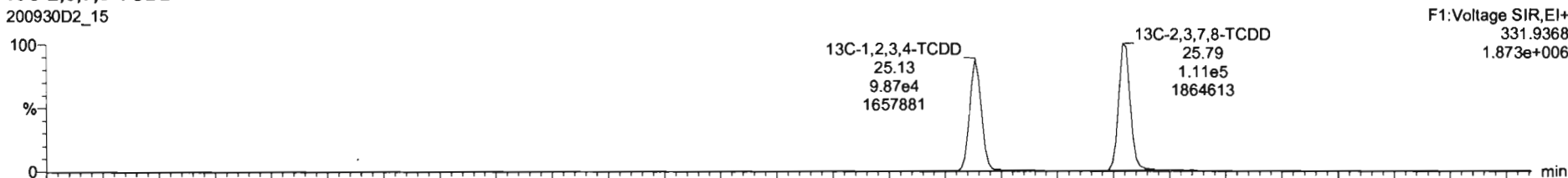
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200930D2_15



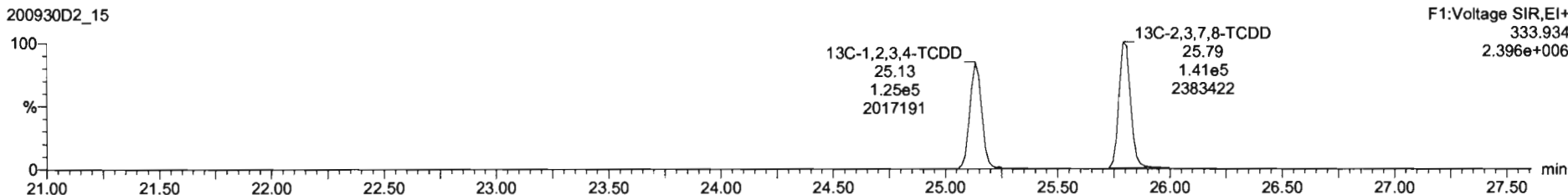
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200930D2_15



200930D2_15



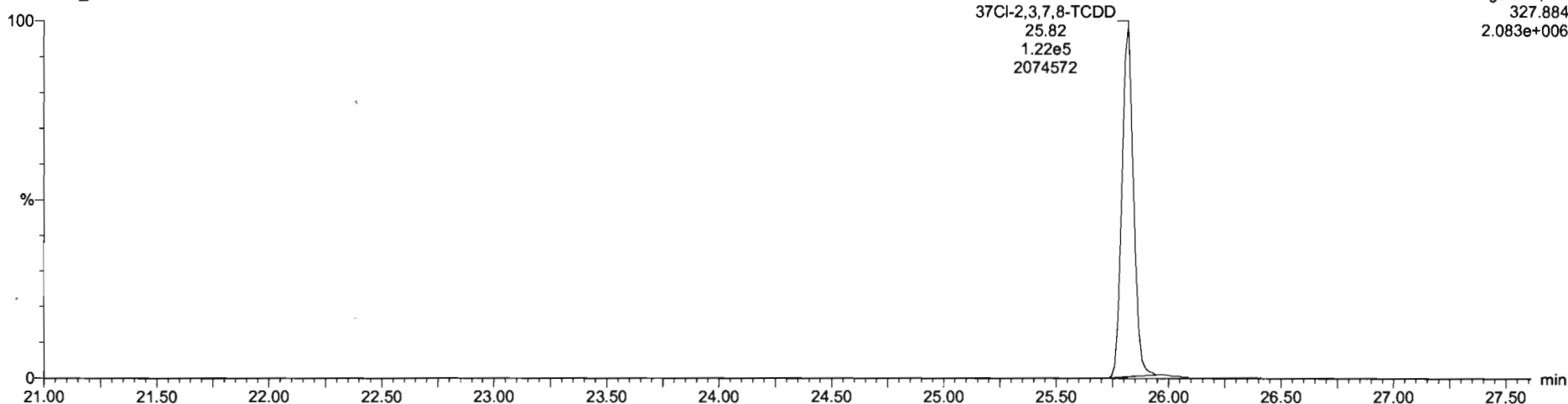
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Last Altered: Thursday, October 01, 2020 10:54:21 Pacific Daylight Time
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Name: 200930D2_15, Date: 30-Sep-2020, Time: 23:29:40, ID: 2002003-03 PDI-018SC-A-02-03-190926 10.16, Description: PDI-018SC-A-02-03-190926

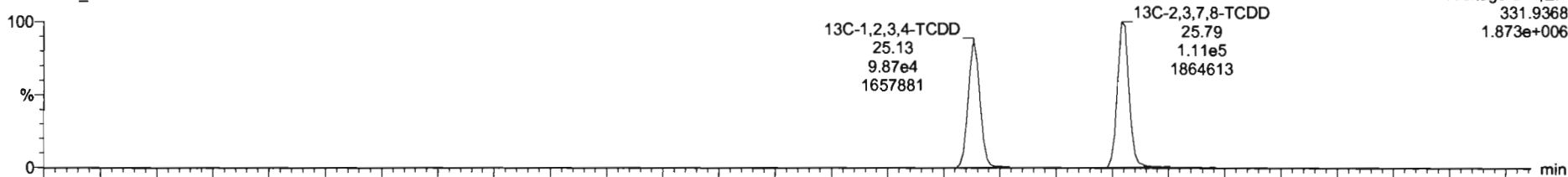
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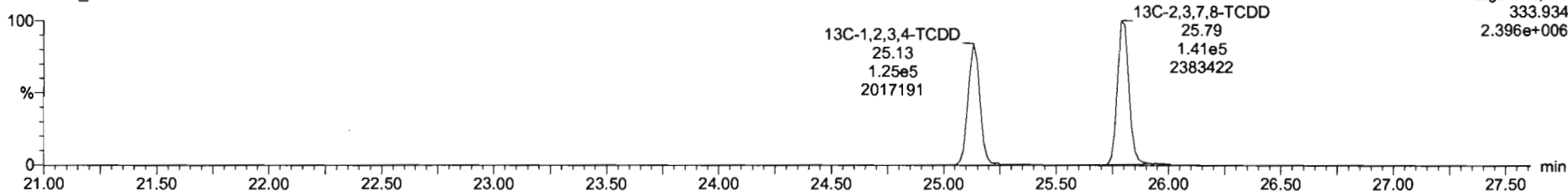


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200930D2_15



200930D2_15



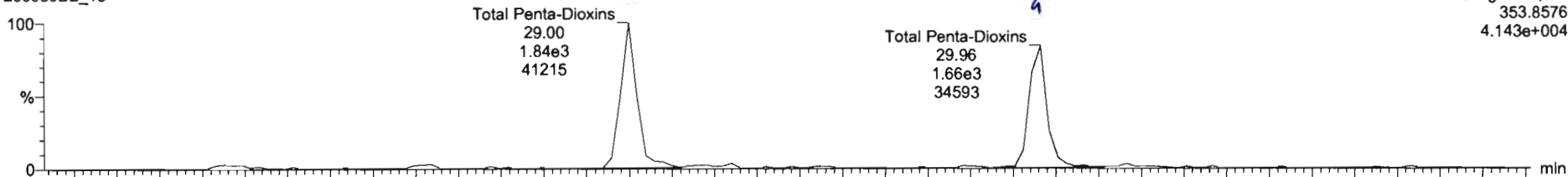
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Name: 200930D2_15, Date: 30-Sep-2020, Time: 23:29:40, ID: 2002003-03 PDI-018SC-A-02-03-190926 10.16, Description: PDI-018SC-A-02-03-190926

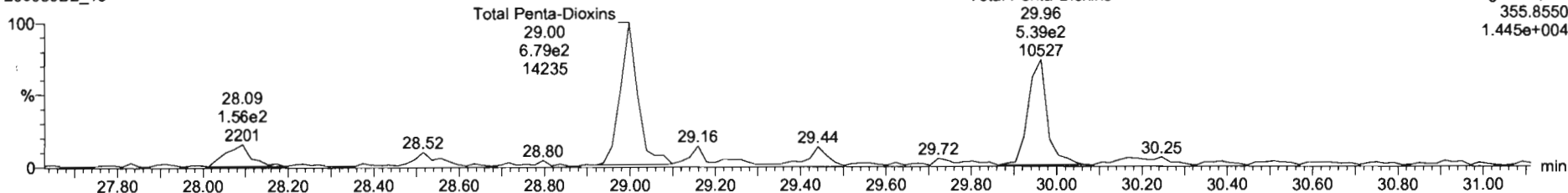
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200930D2_15



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4.143e+004

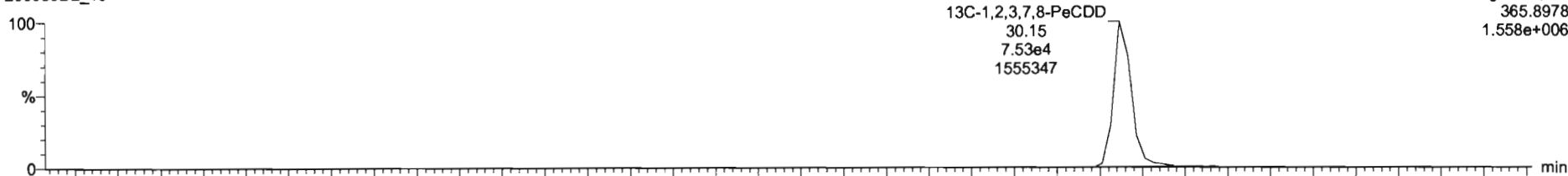
200930D2_15



F2:Voltage SIR,EI+
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1.445e+004

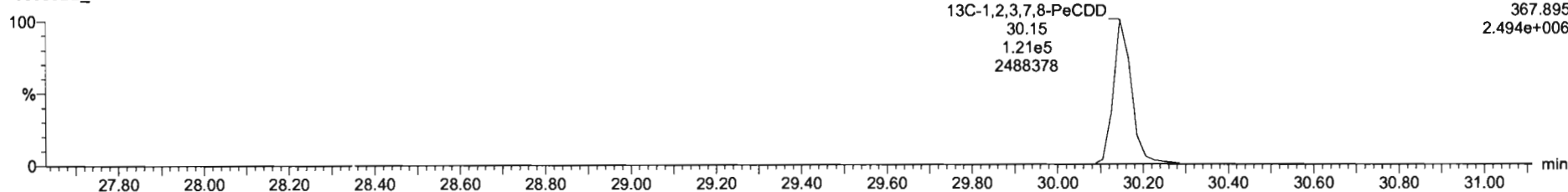
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200930D2_15

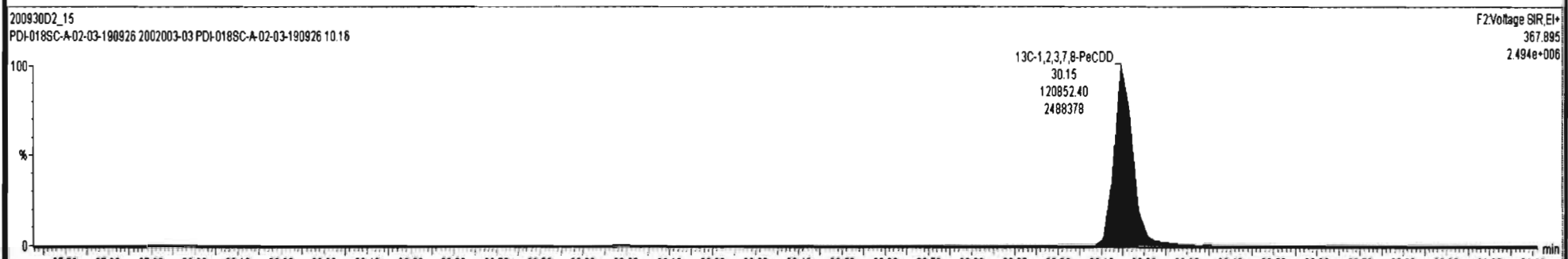
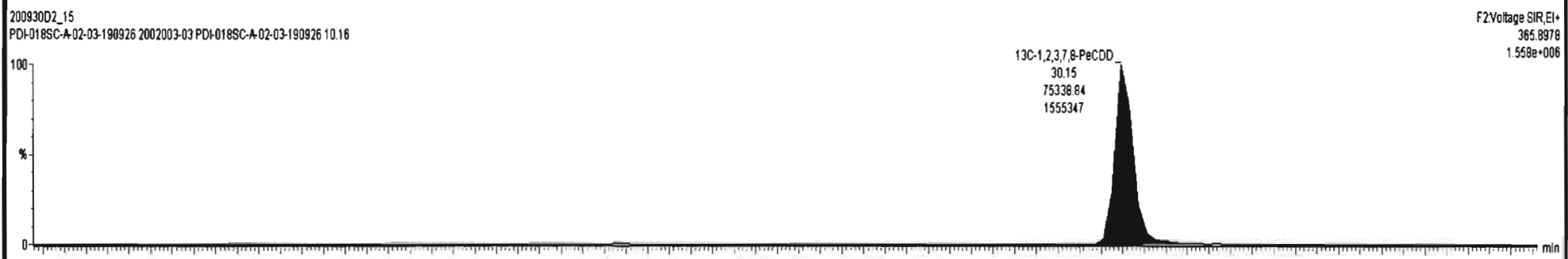
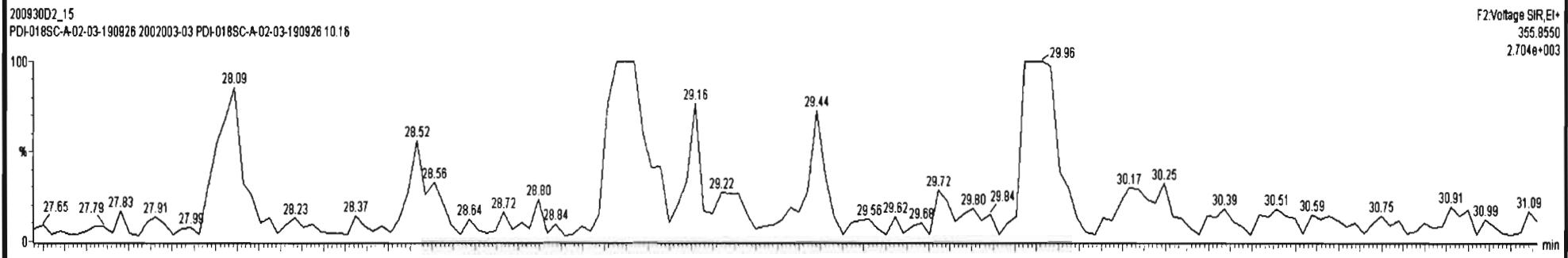
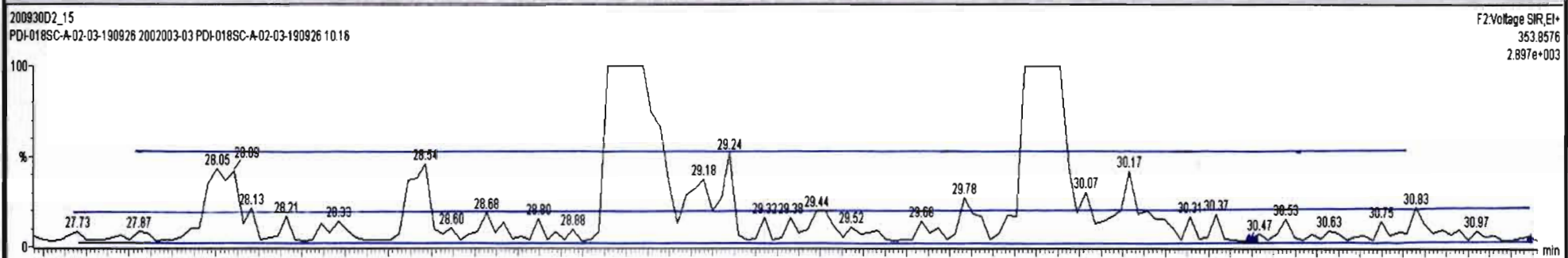


F2:Voltage SIR,EI+
365.8978
1.558e+006

200930D2_15



F2:Voltage SIR,EI+
367.895
2.494e+006



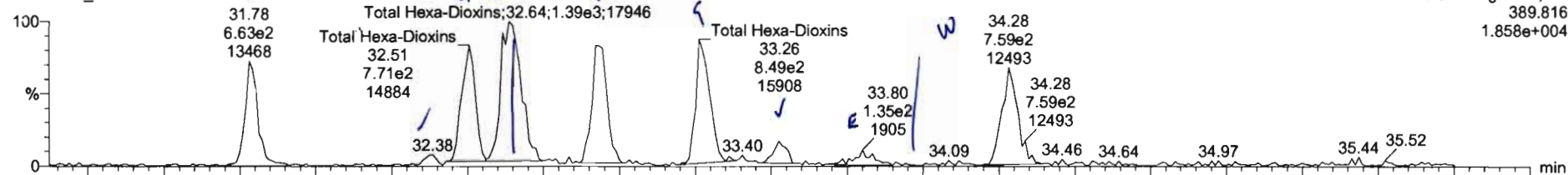
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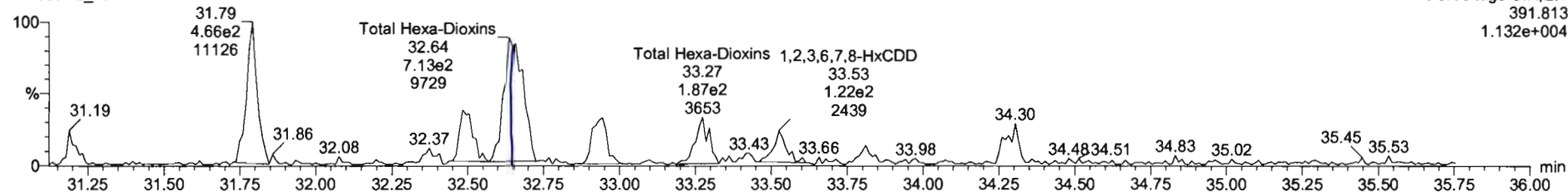
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1,2,3,4,7,8-HxCDD

200930D2_15

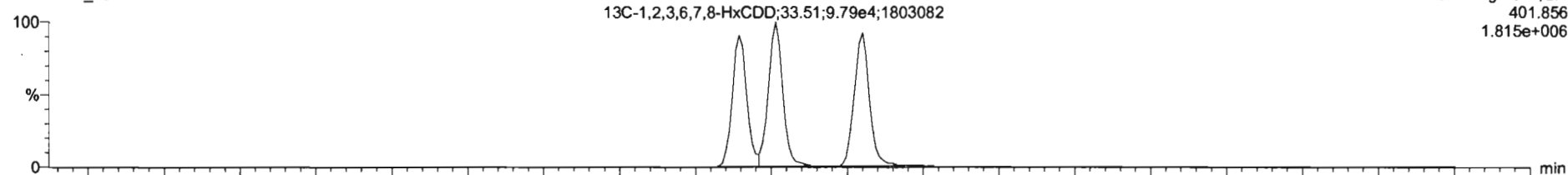


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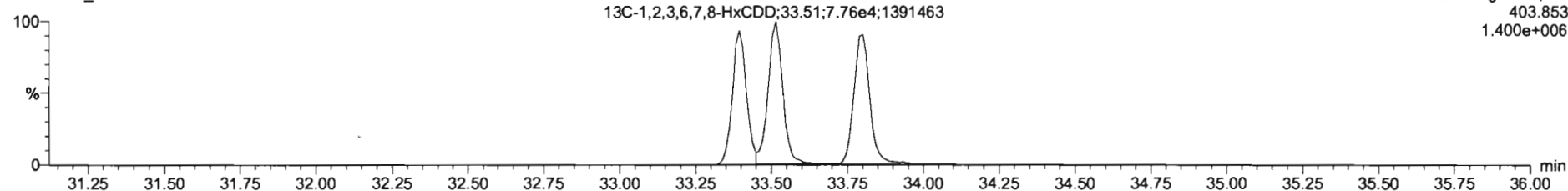


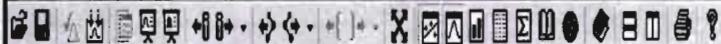
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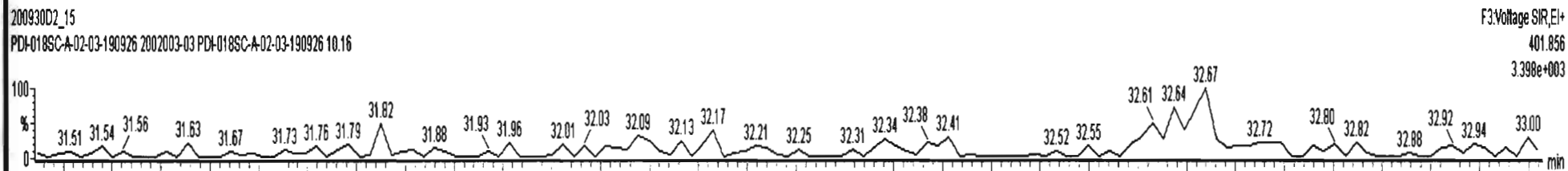
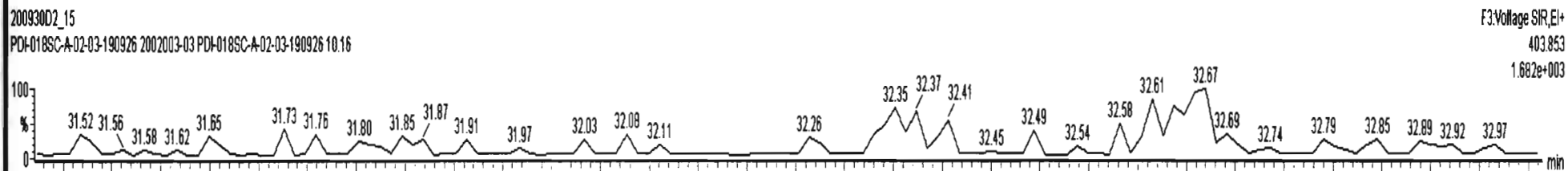
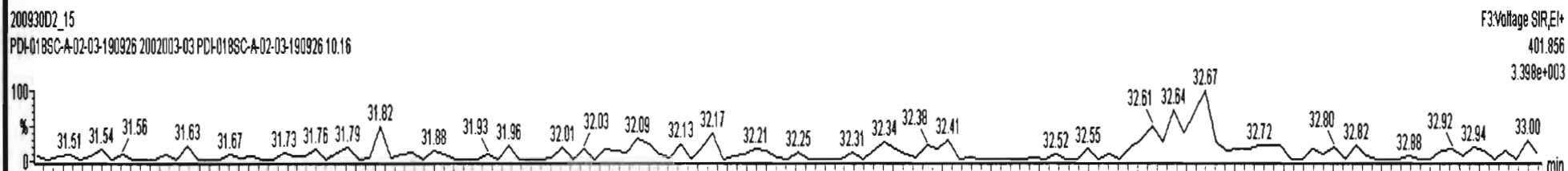
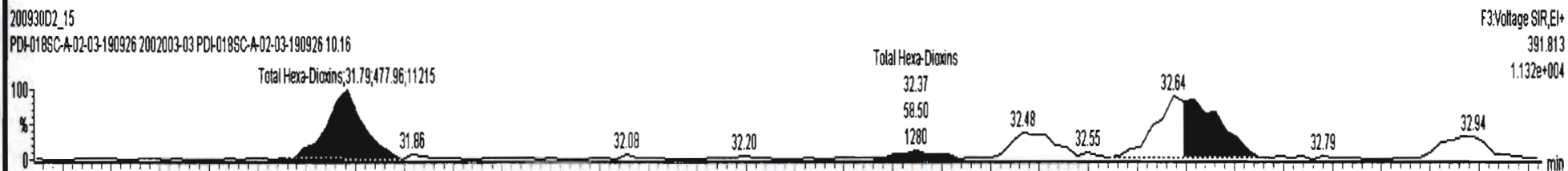


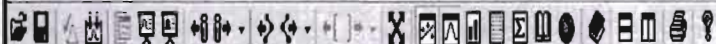
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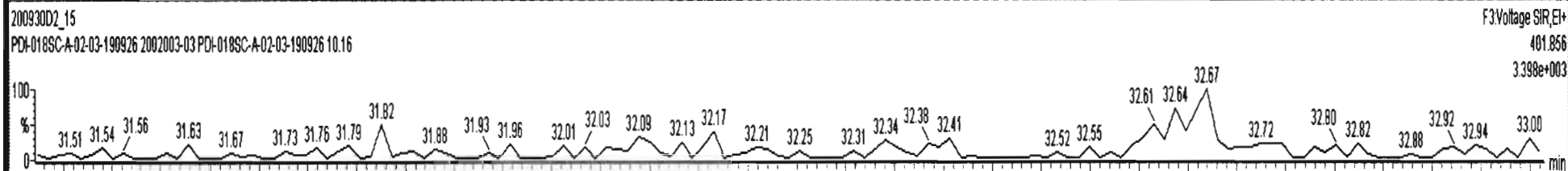
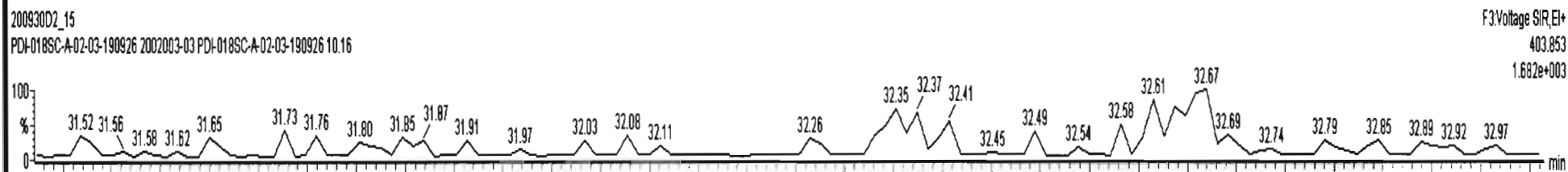
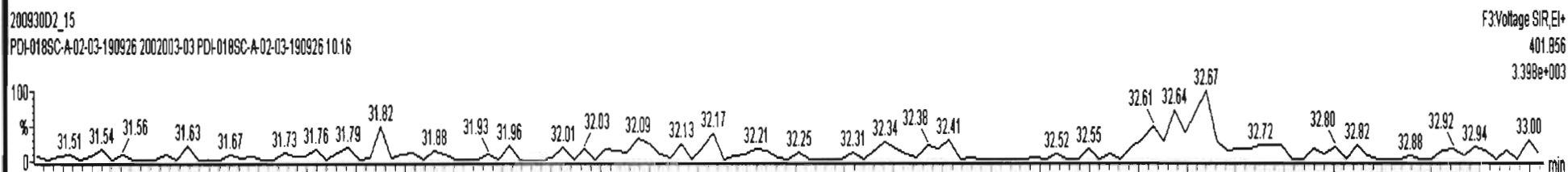
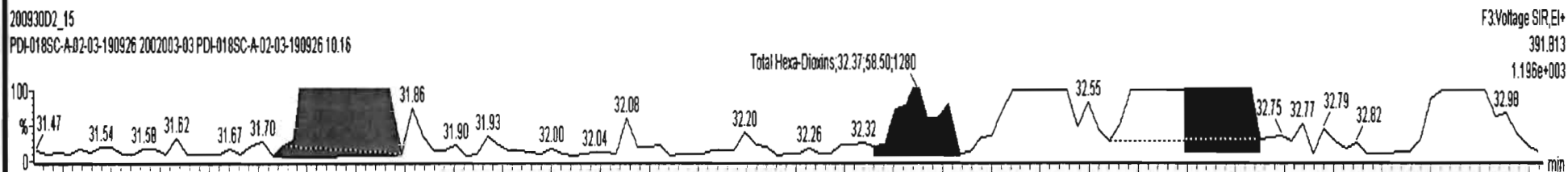
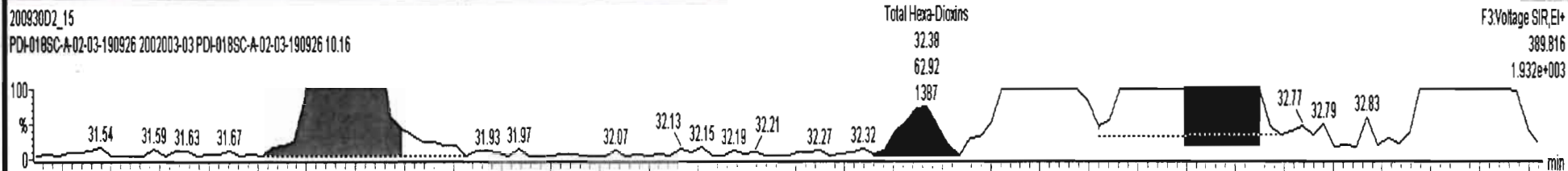


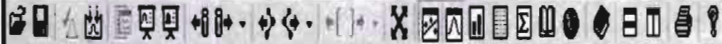
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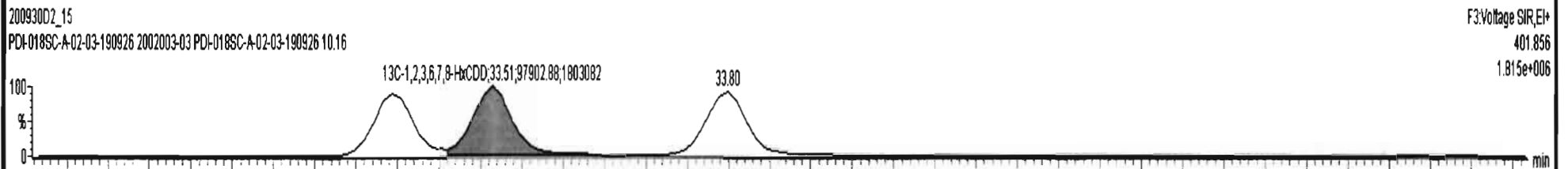
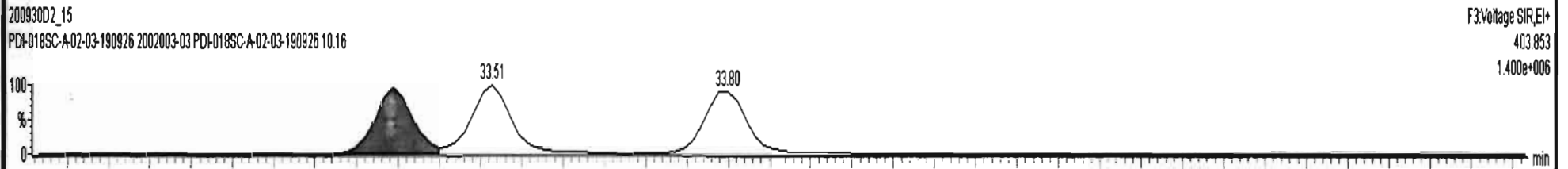
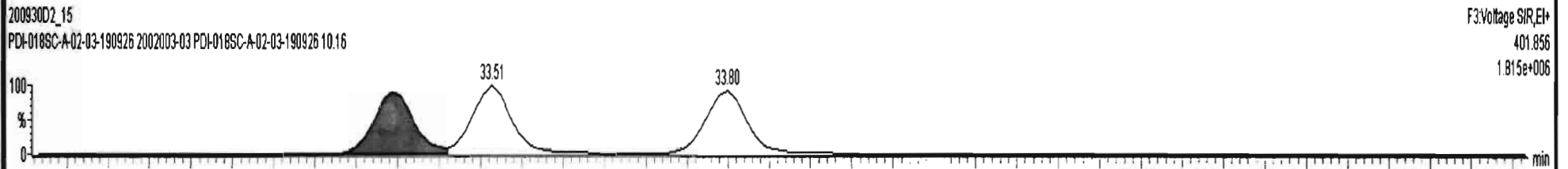
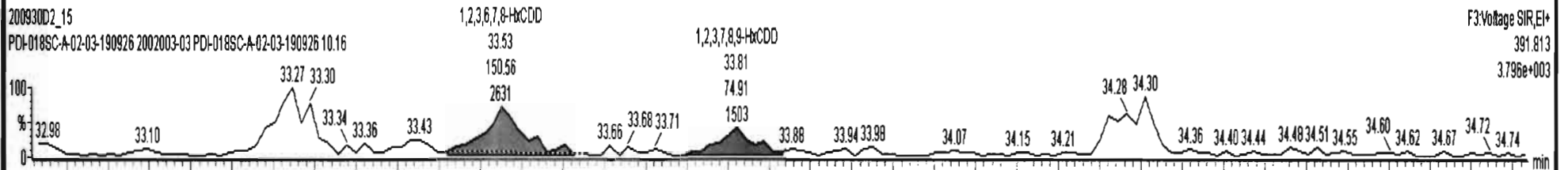
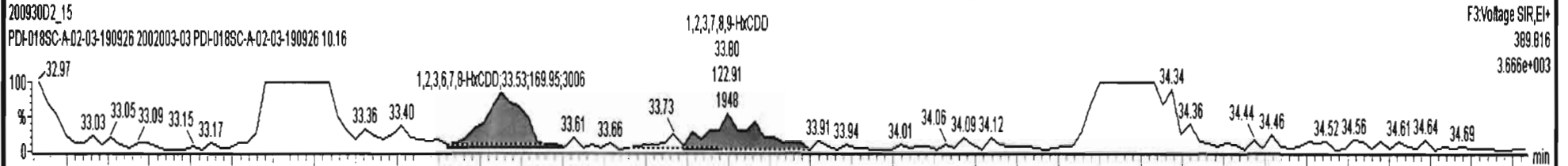


20093002_15 - 2002003-03.PD-018SC-A-02-03-190926 10.16 - PD-018SC-A-02-03-190926





200930D2_15 - 2002003-03-PDI-018SC-A-02-03-190926 10.16 - FDI-018SC-A-02-03-190926



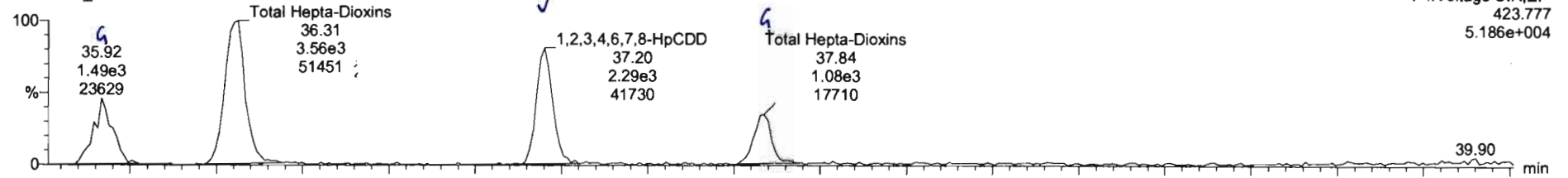
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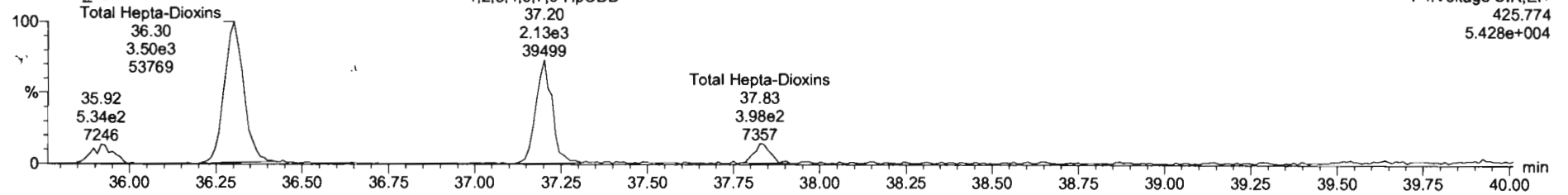
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1,2,3,4,6,7,8-HpCDD

200930D2_15

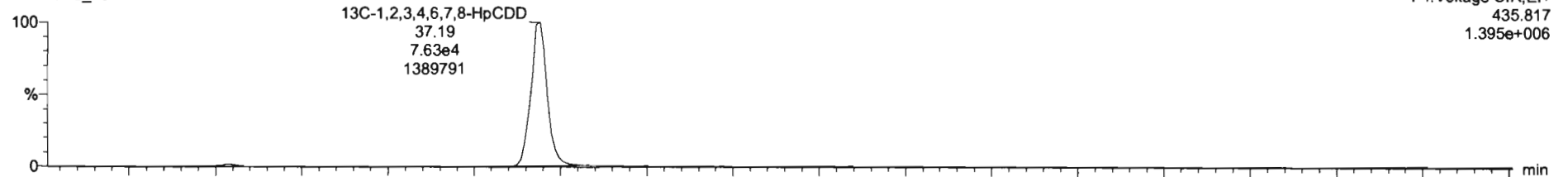


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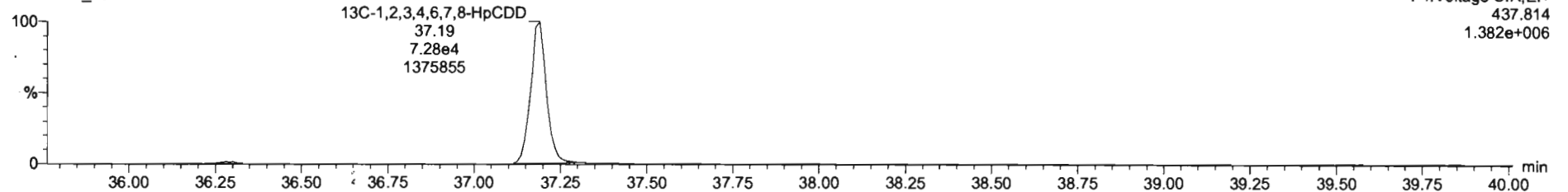


13C-1,2,3,4,6,7,8-HpCDD

200930D2_15



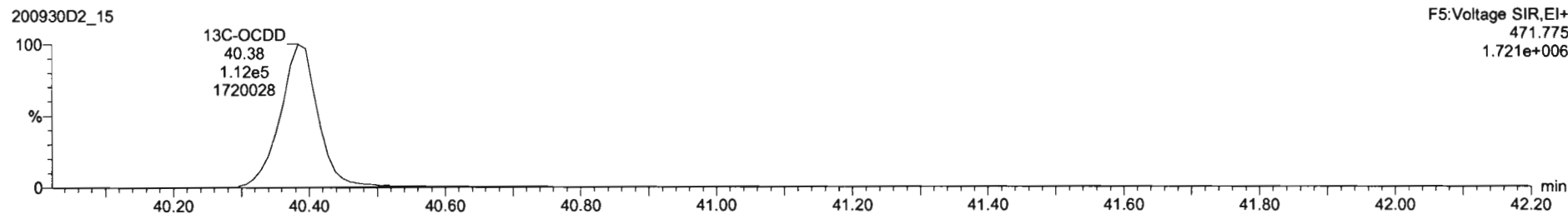
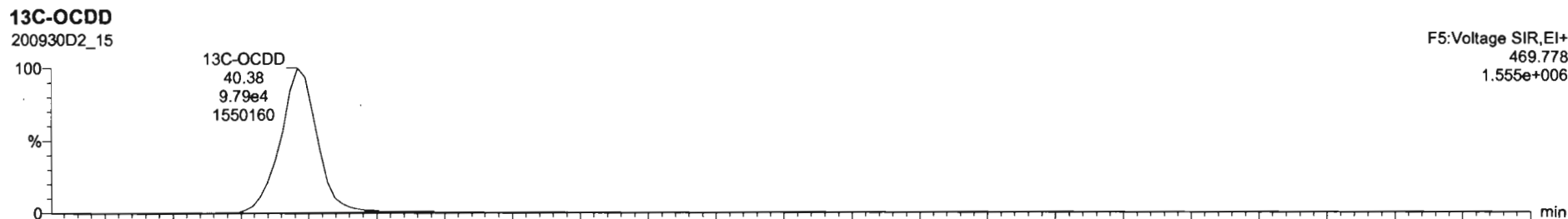
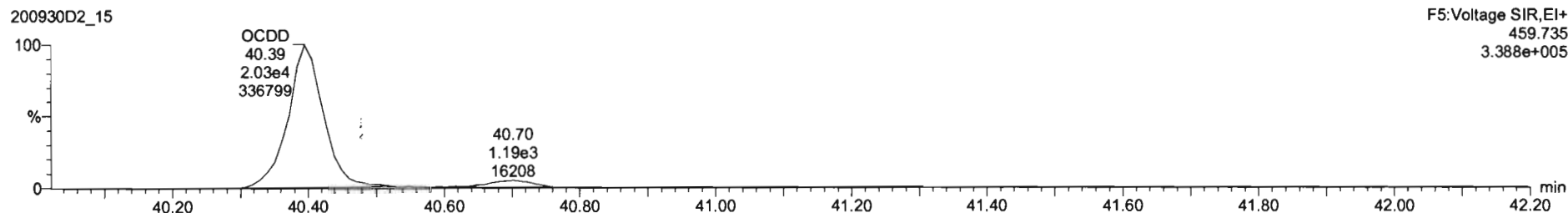
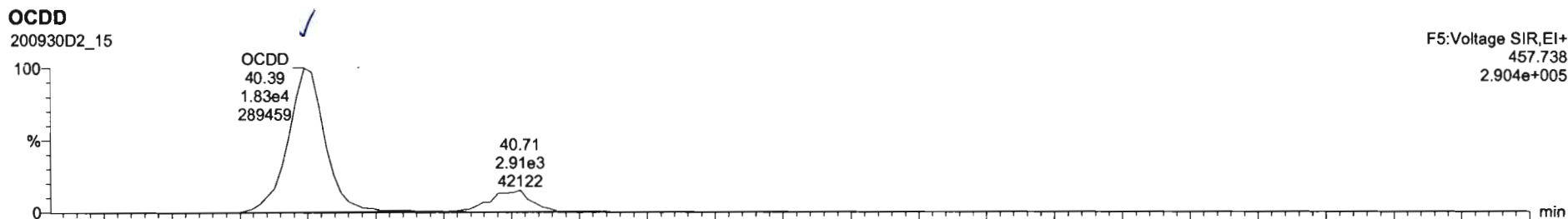
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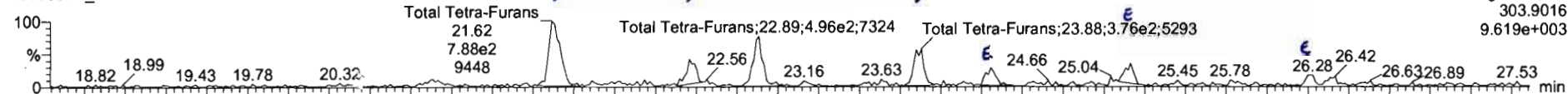
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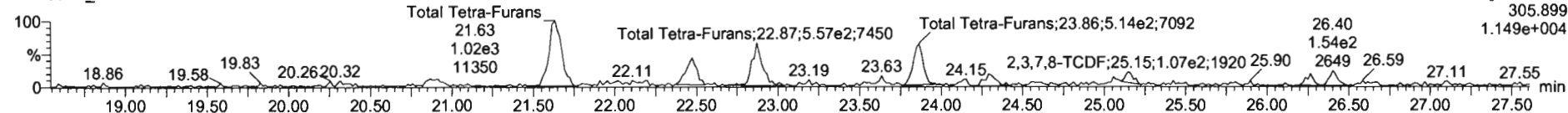
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2,3,7,8-TCDF

200930D2_15

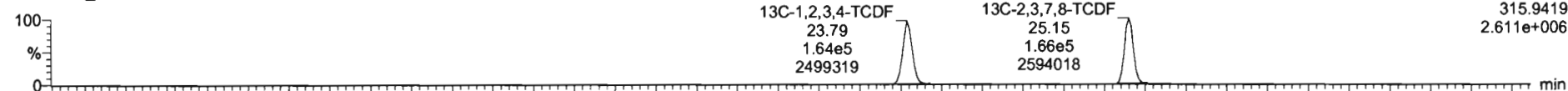


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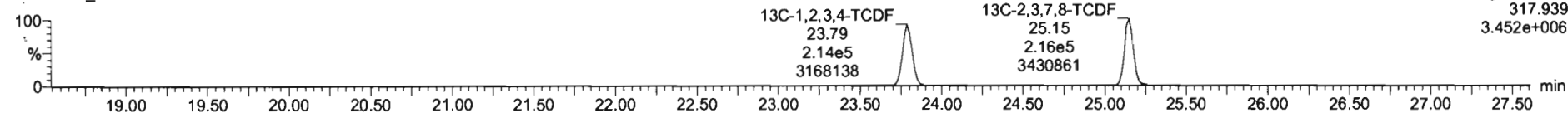


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200930D2_15

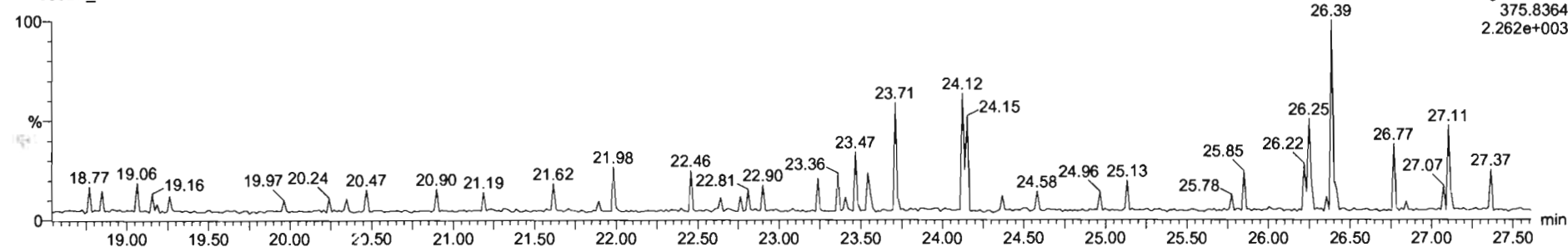


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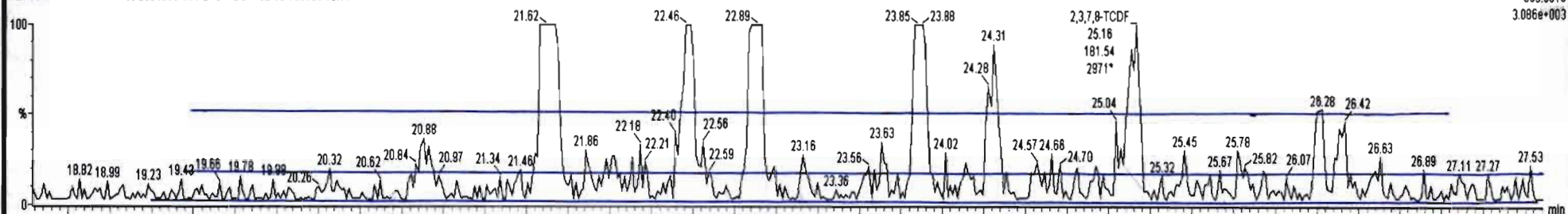
DPE1

200930D2_15



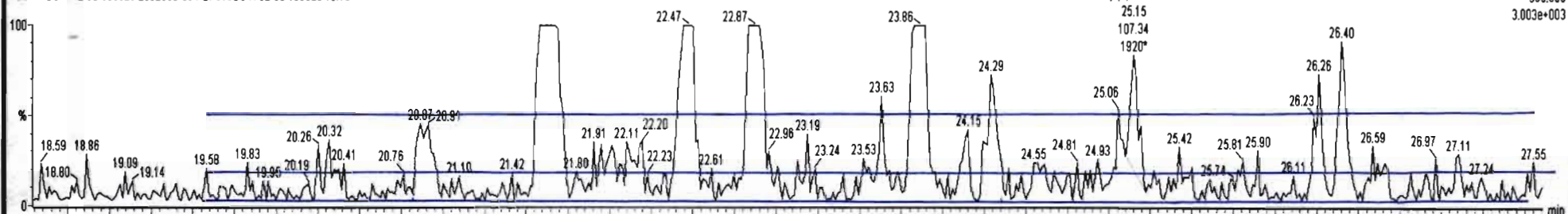
20093002_15
PDI-0185C-A-02-03-190926 2002003-03 PDI-0185C-A-02-03-190926 10.16

F1.Voltage SIR,El+
303.9016
3.086e+003



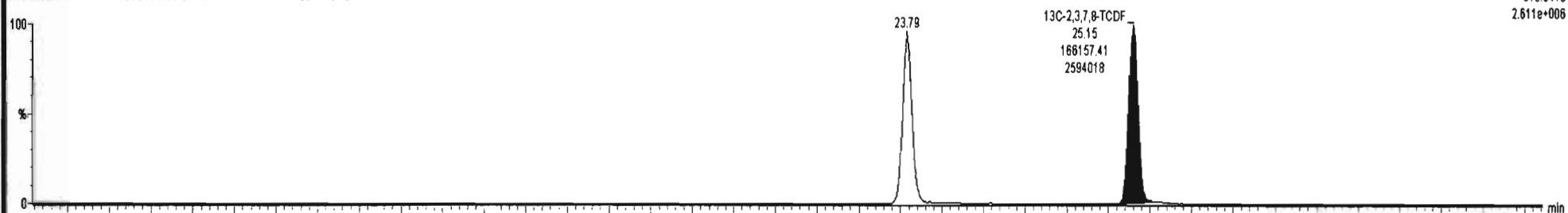
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PDI-0185C-A-02-03-190926 2002003-03 PDI-0185C-A-02-03-190926 10.16

F1.Voltage SIR,El+
305.899
3.003e+003



20093002_15
PDI-0185C-A-02-03-190926 2002003-03 PDI-0185C-A-02-03-190926 10.16

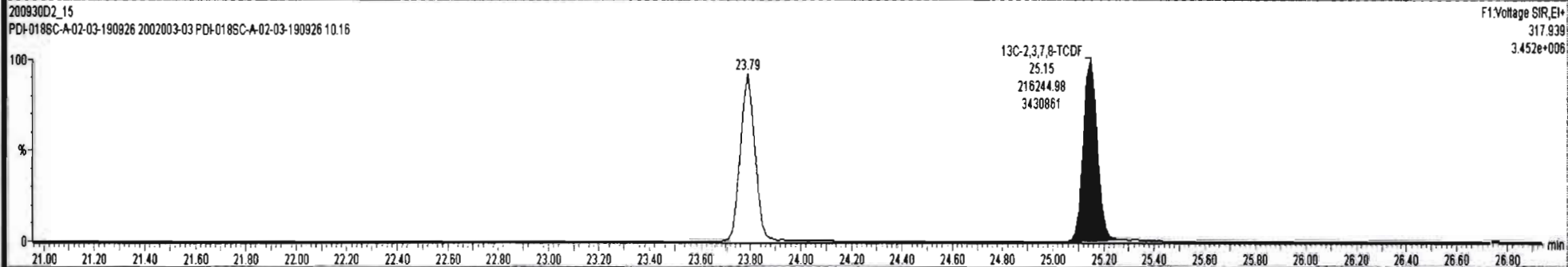
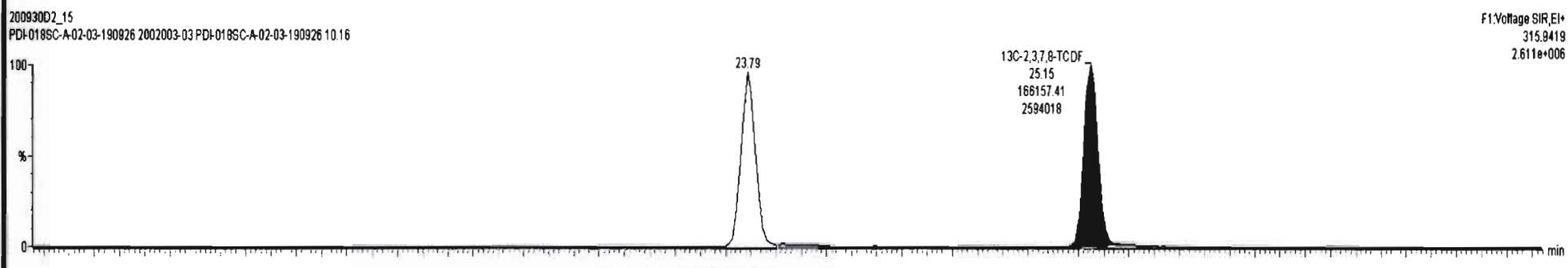
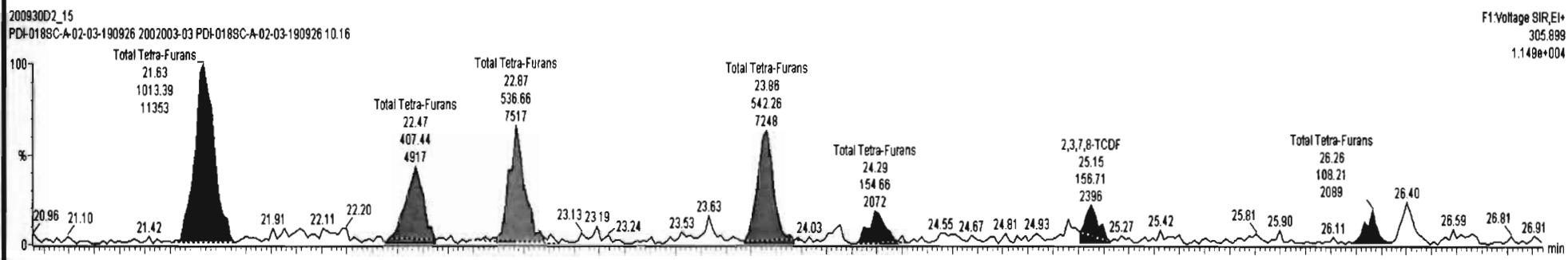
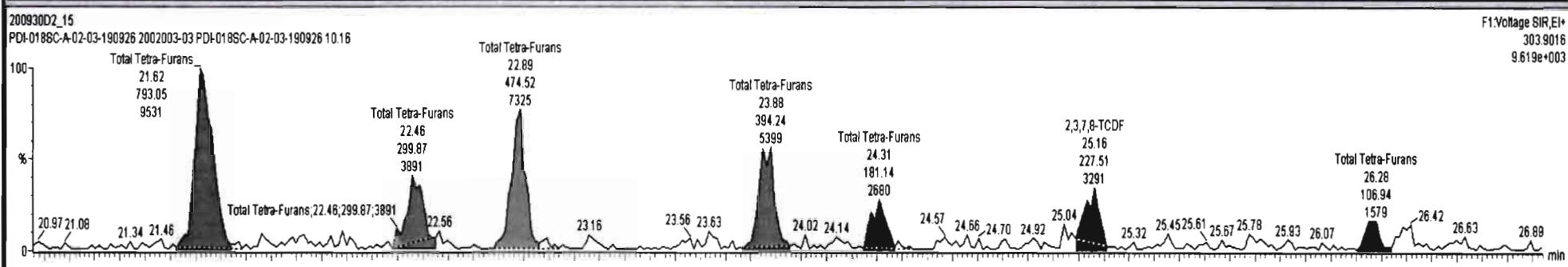
F1.Voltage SIR,El+
315.9419
2.611e+006



20093002_15
PDI-0185C-A-02-03-190926 2002003-03 PDI-0185C-A-02-03-190926 10.16

F1.Voltage SIR,El+
317.838
3.452e+006





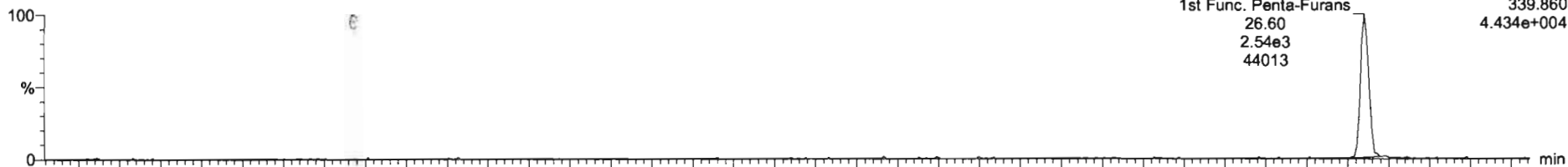
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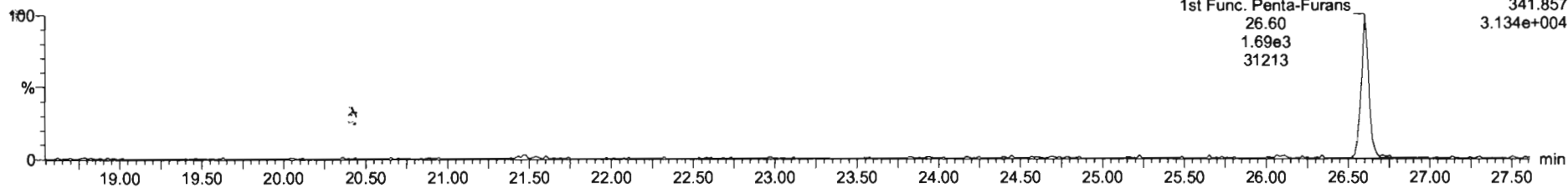
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1st Func. Penta-Furans

200930D2_15

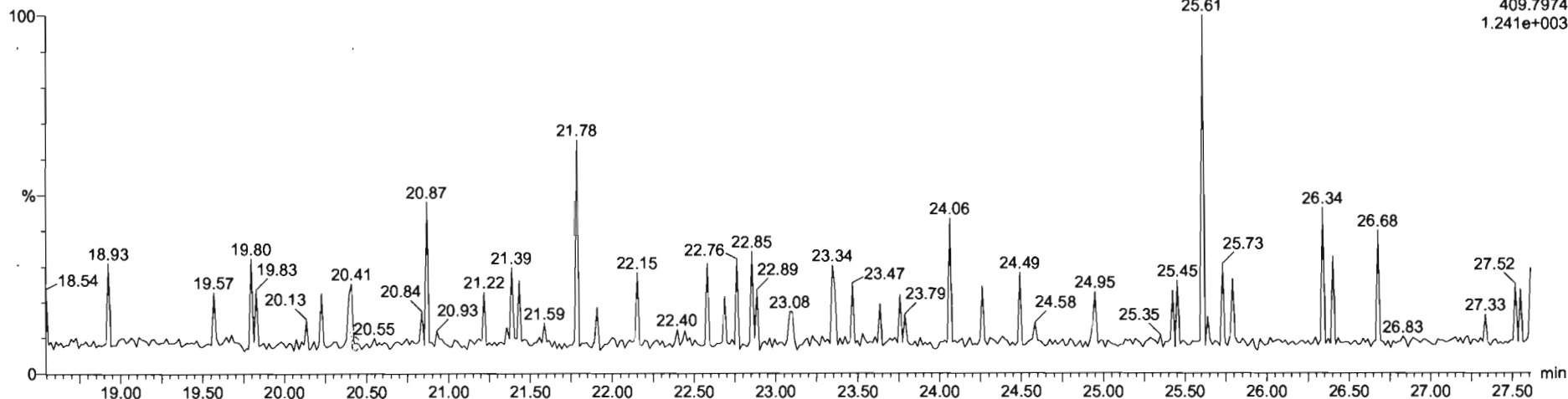


200930D2_15



DPE6

200930D2_15



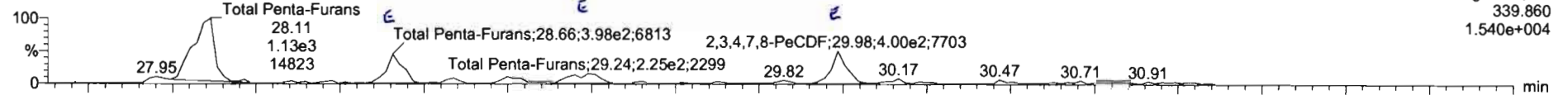
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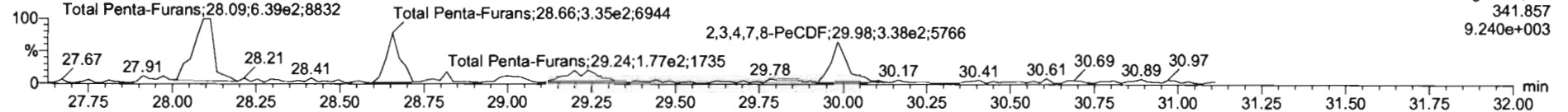
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1,2,3,7,8-PeCDF

200930D2_15

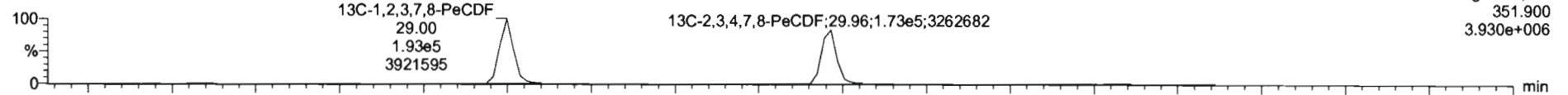


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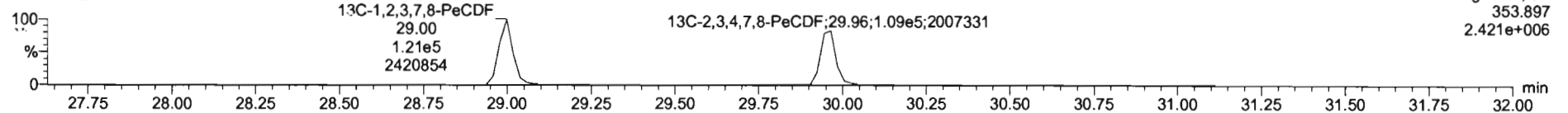


13C-1,2,3,7,8-PeCDF

200930D2_15

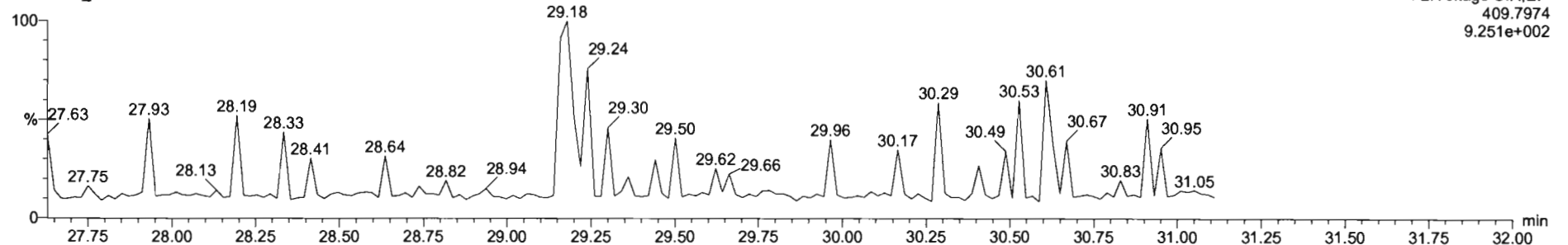


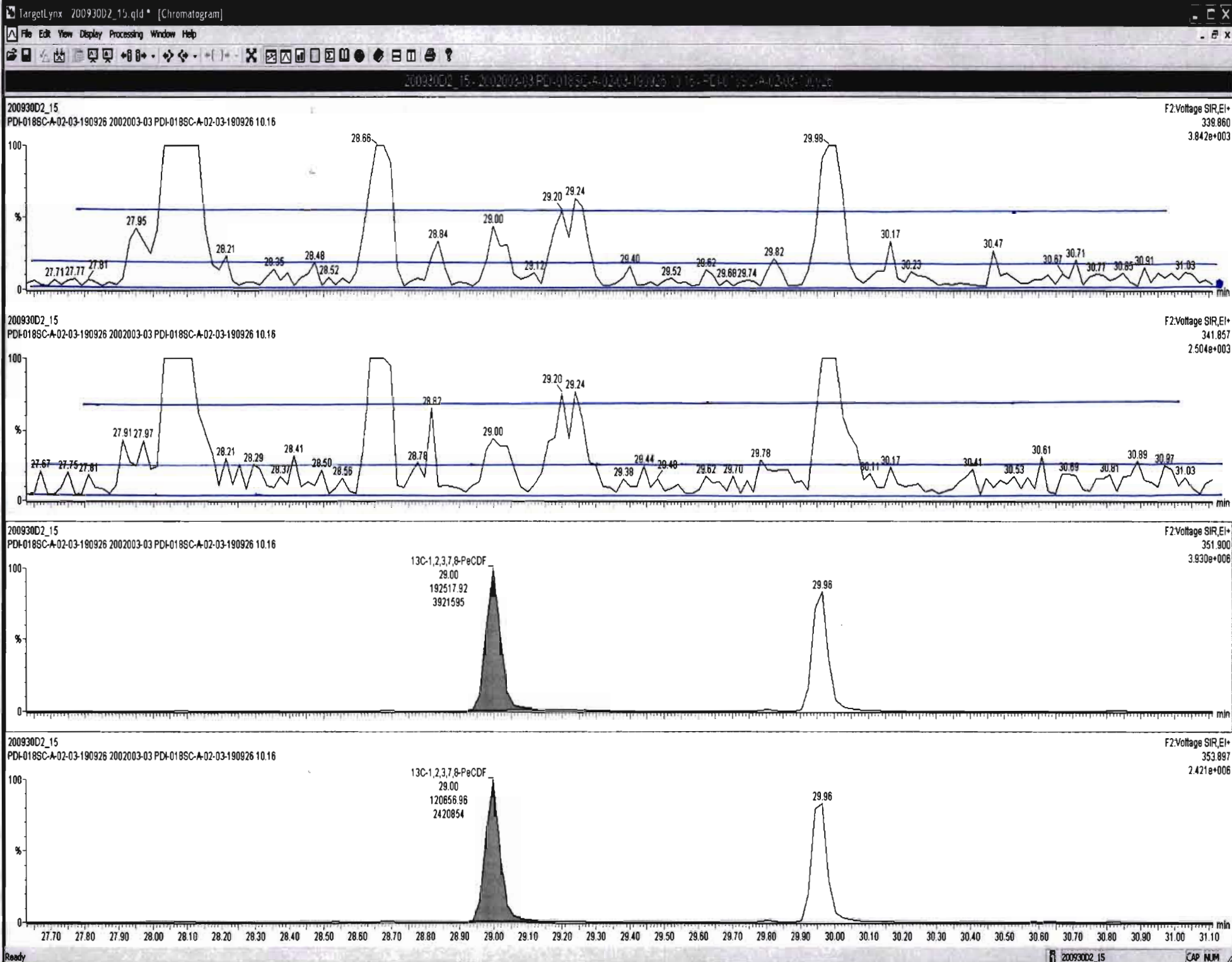
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DPE2

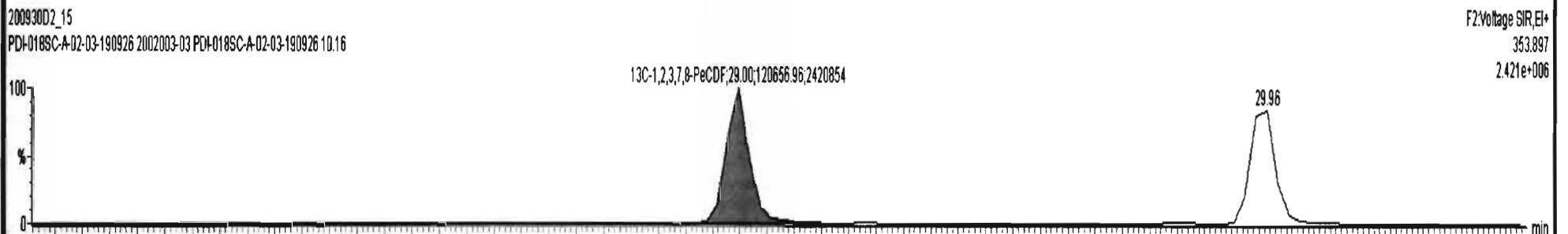
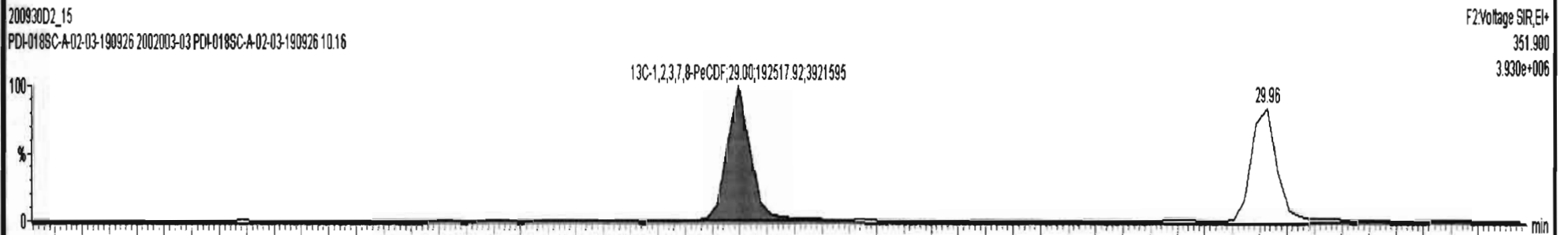
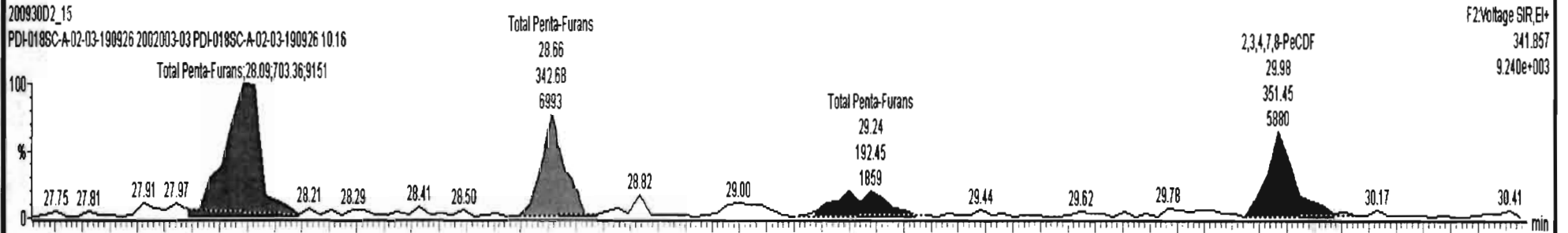
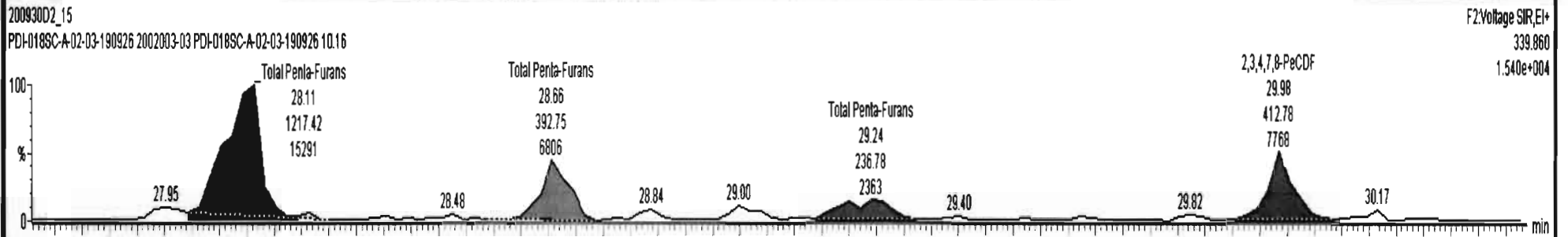
200930D2_15







200930D2_15 - 2002003-03-PDI-018SC-A-02-03-190926 10.16 - PDI-018SC-A-02-03-190926

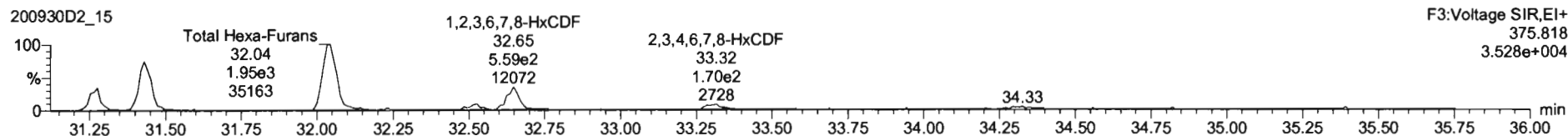
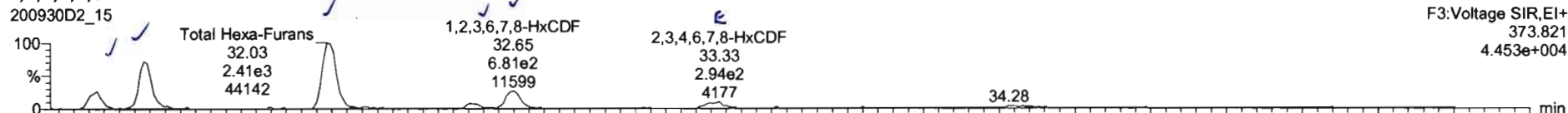


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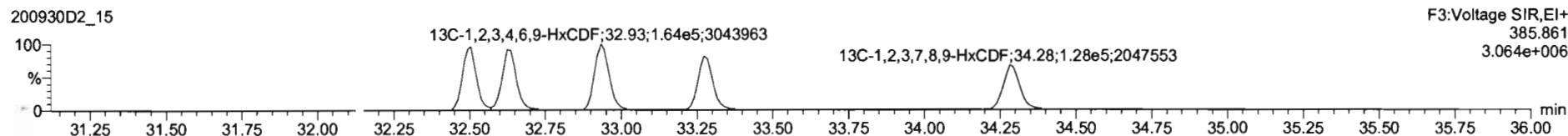
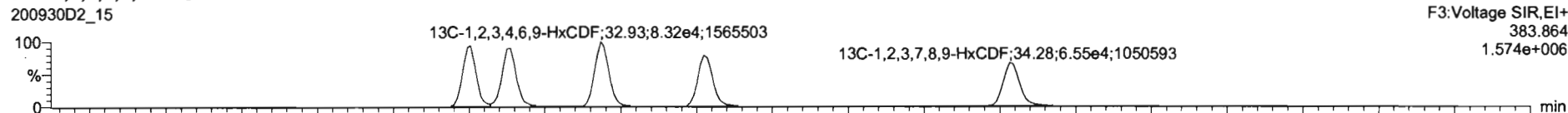
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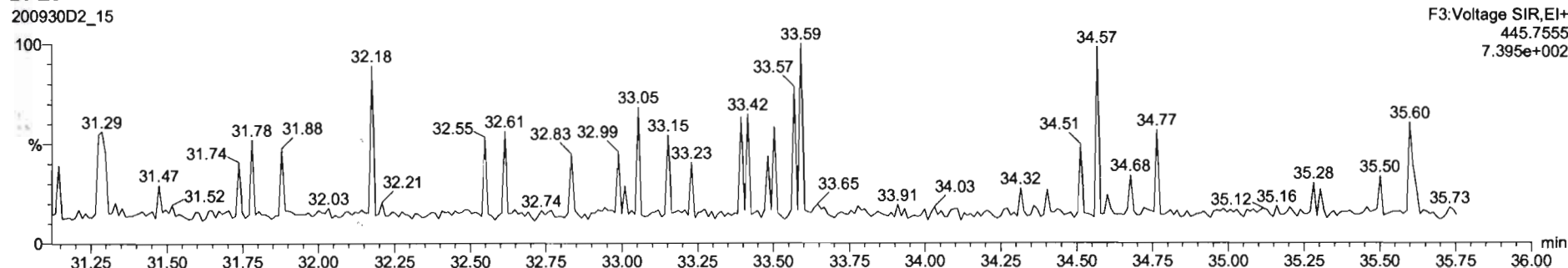
1,2,3,4,7,8-HxCDF

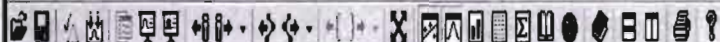


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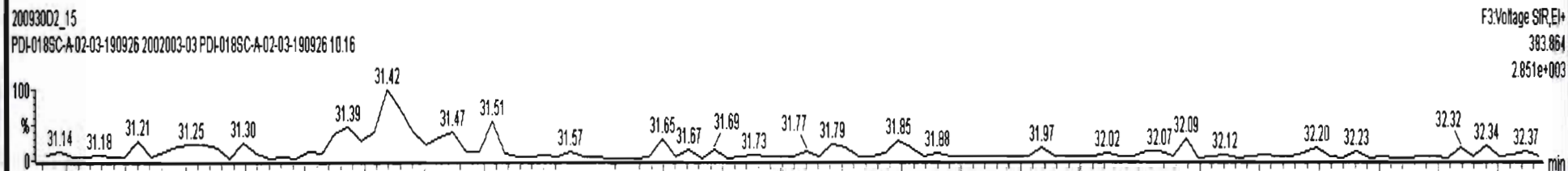
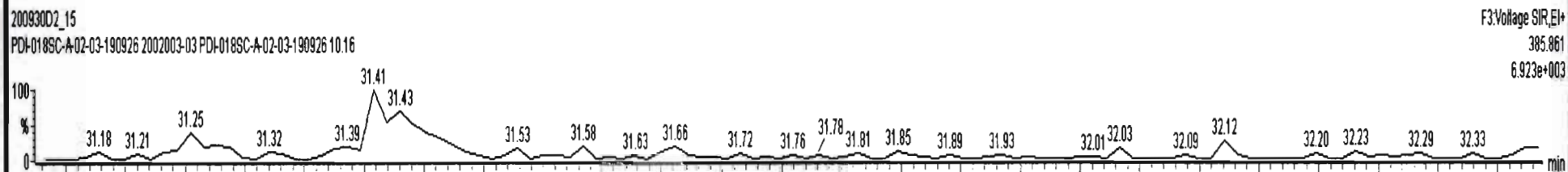
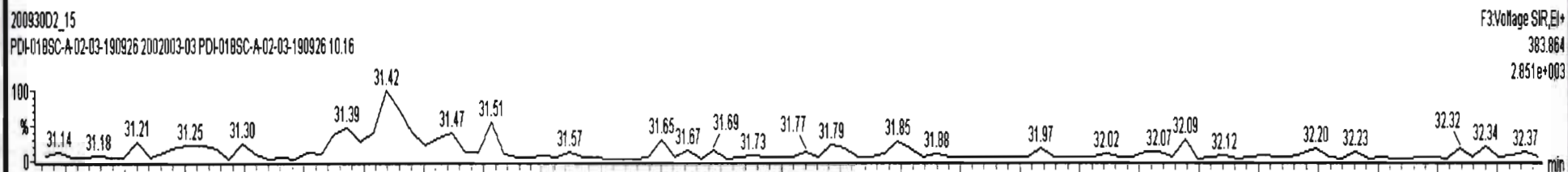


DPE3



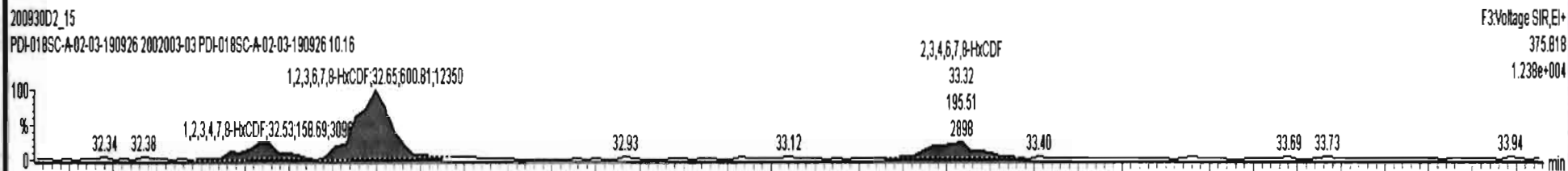
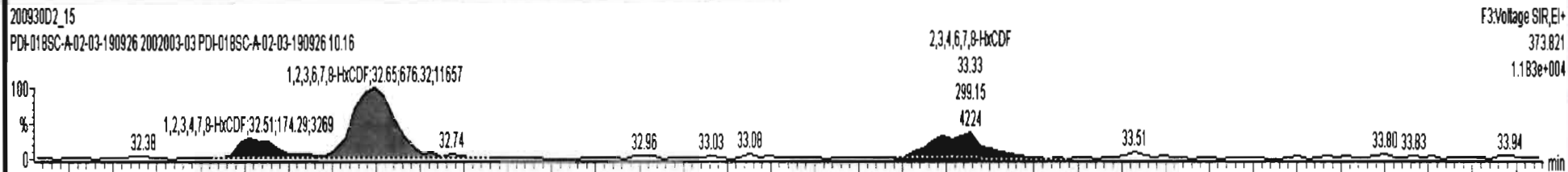


200930D2_15 - 2002003-03-PDI-018SC-A-02-03-190926 10.16 - PDI-018SC-A-02-03-190926



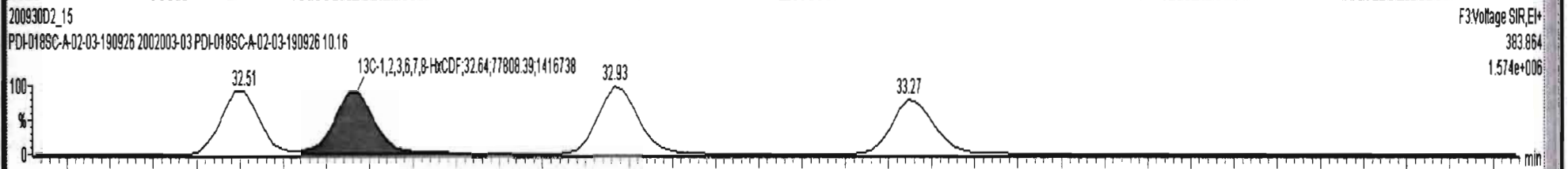
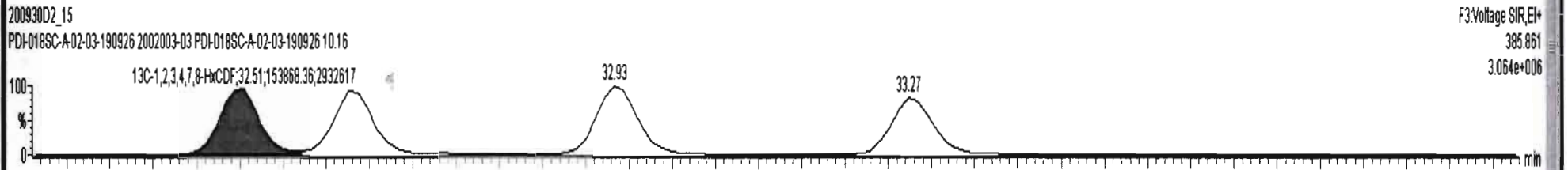
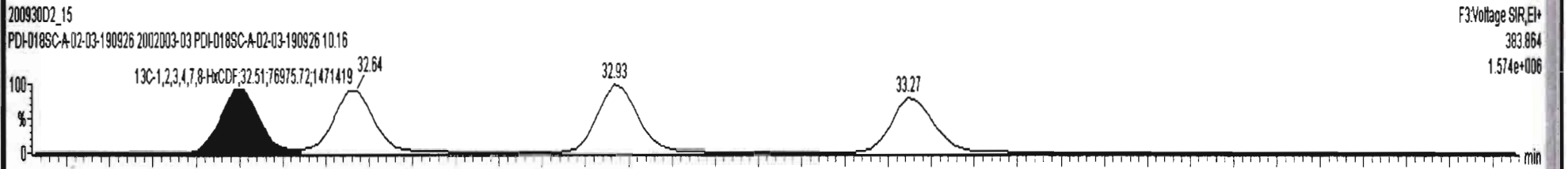
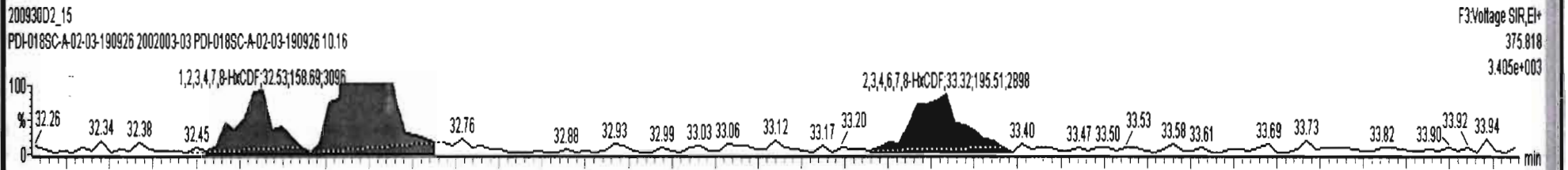
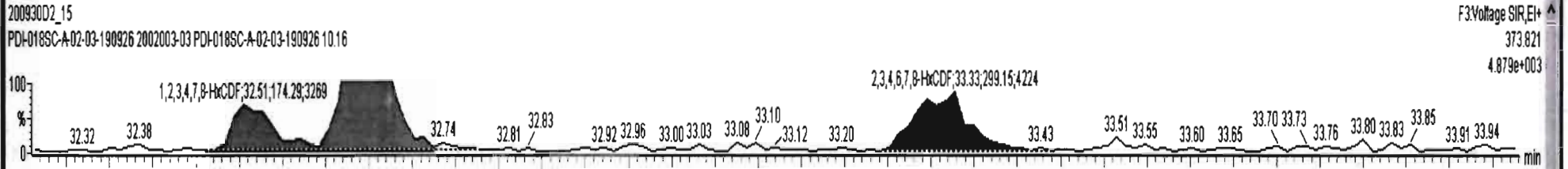


20093002_15 - 2002003-03 PDI-018SC-A-02-03-190926 10.16 - PDI-018SC-A-02-03-190926





20093002_15 - 2002003-03 PDI-018SC-A-02-03-190926 10.16 - PDI-018SC-A-02-03-190926



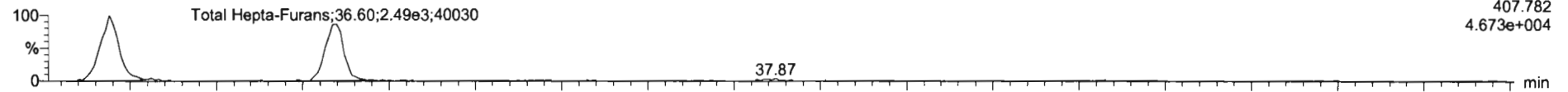
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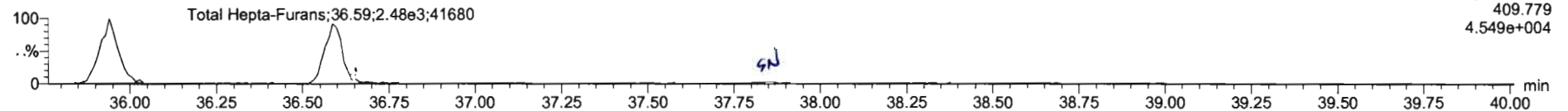
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1,2,3,4,6,7,8-HpCDF

200930D2_15

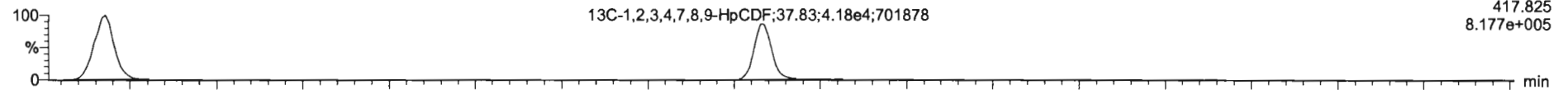


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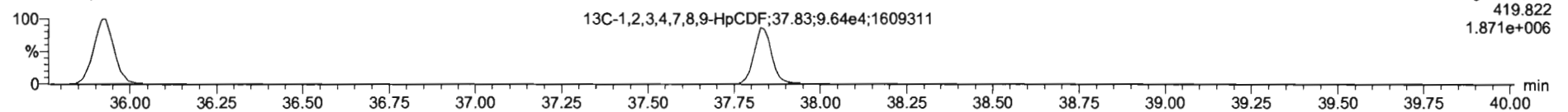


13C-1,2,3,4,6,7,8-HpCDF

200930D2_15

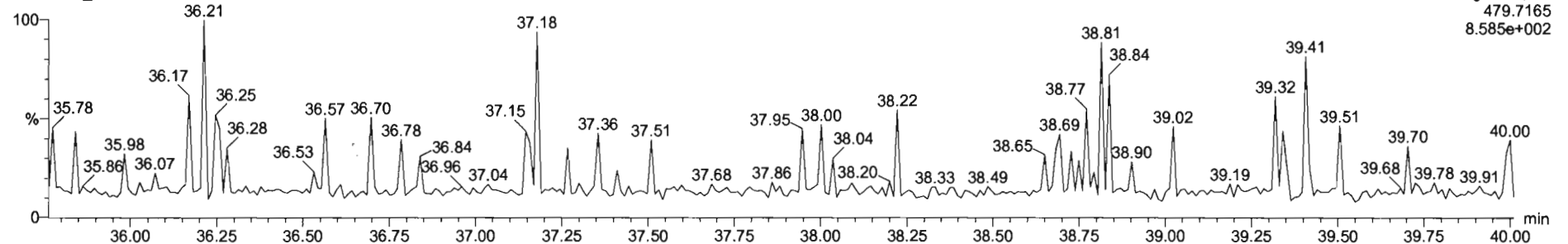


200930D2_15



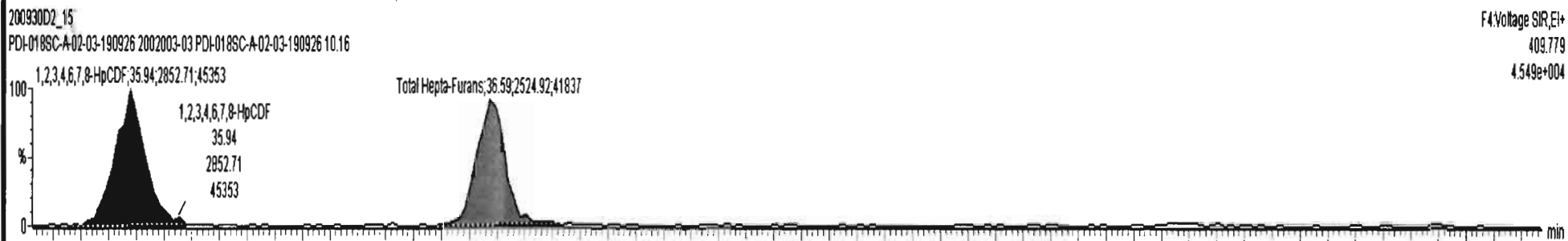
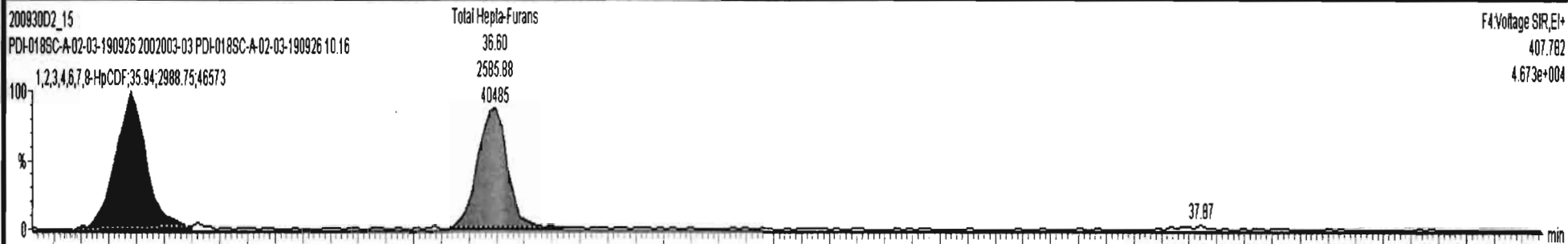
DPE4

200930D2_15





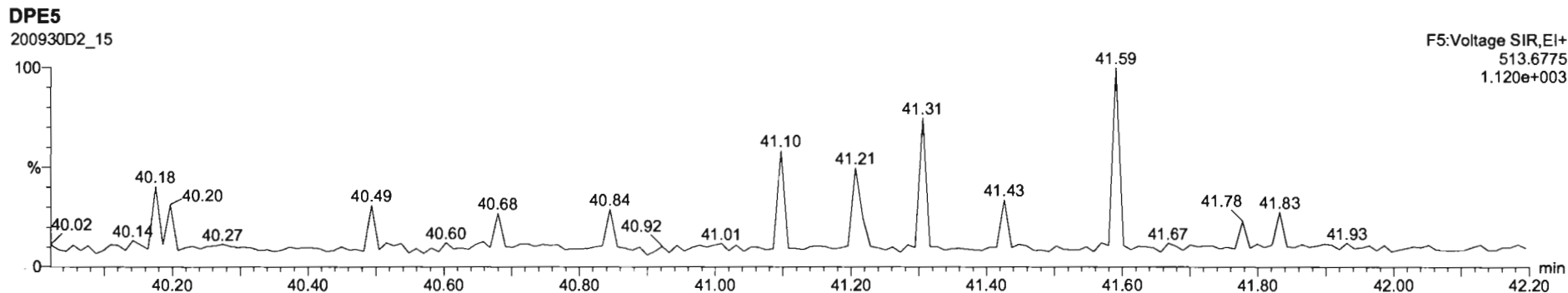
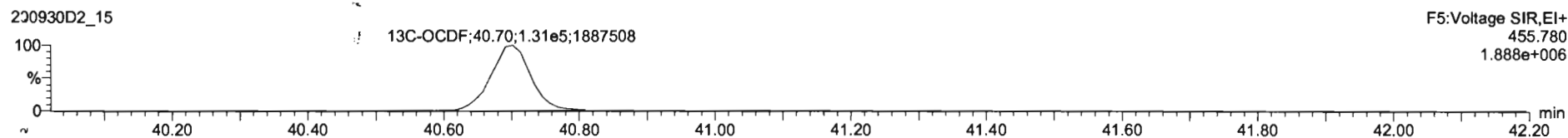
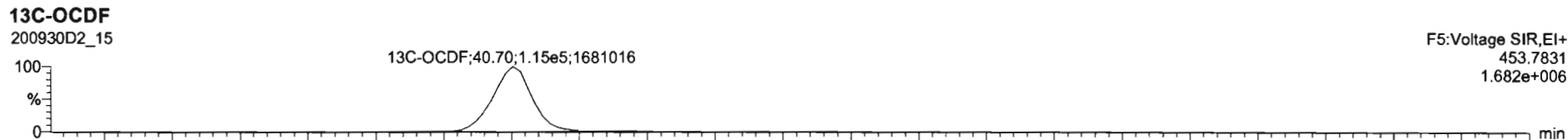
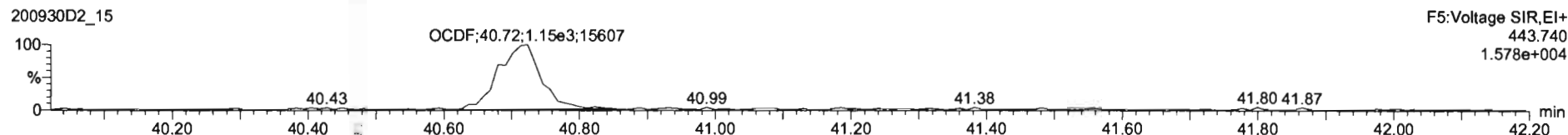
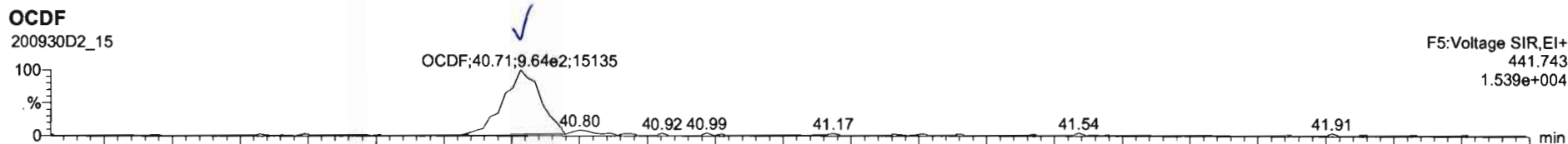
20093002_15 - 2002003-03-PDI-018SC-A-02-03-190926 10.16 - PDI-018SC-A-02-03-190926

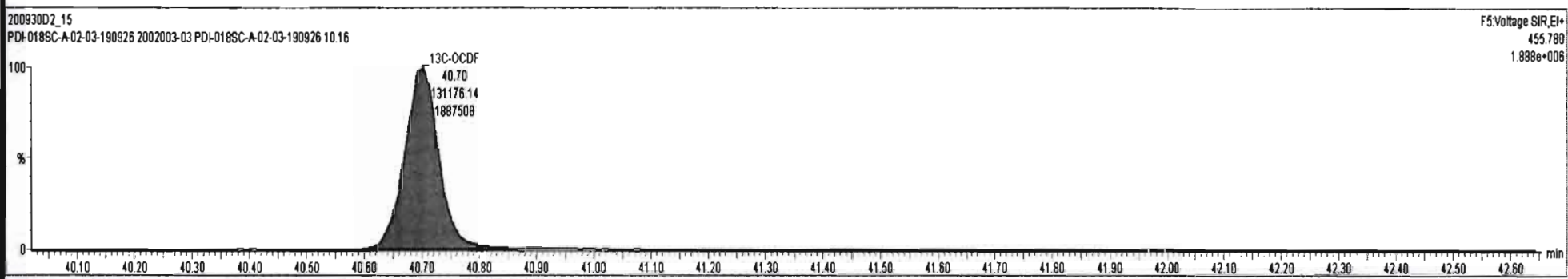
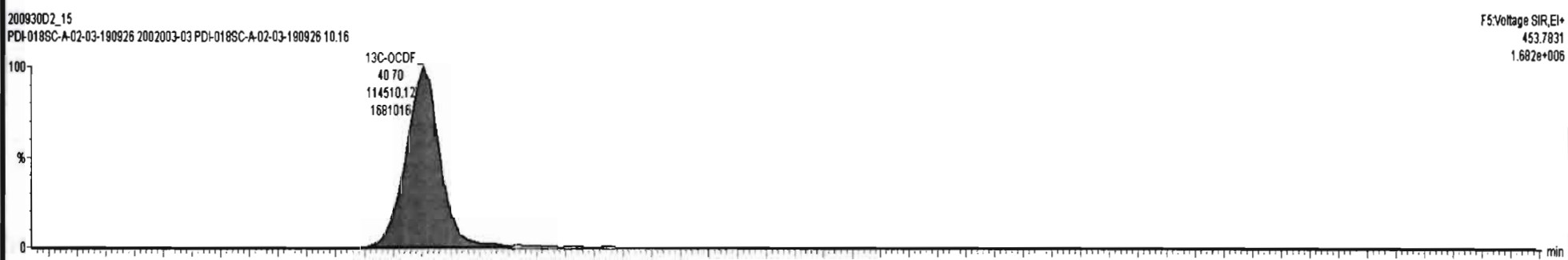
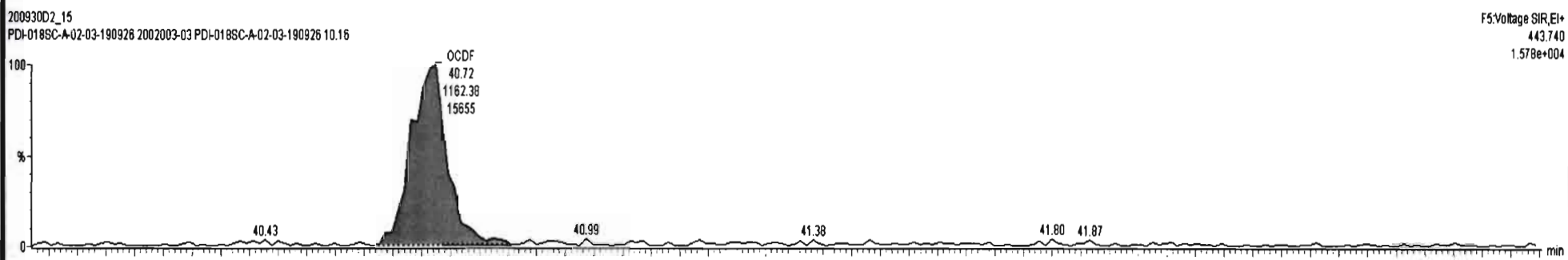
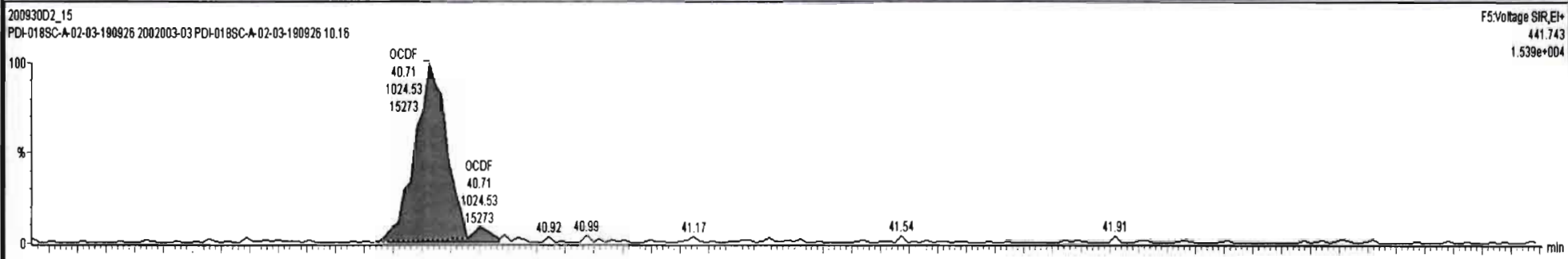


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_15.qld

Last Altered: Thursday, October 01, 2020 10:54:21 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:56:08 Pacific Daylight Time

Name: 200930D2_15, Date: 30-Sep-2020, Time: 23:29:40, ID: 2002003-03 PDI-018SC-A-02-03-190926 10.16, Description: PDI-018SC-A-02-03-190926

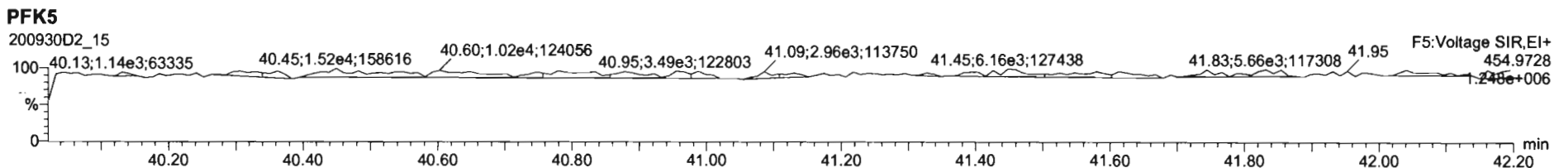
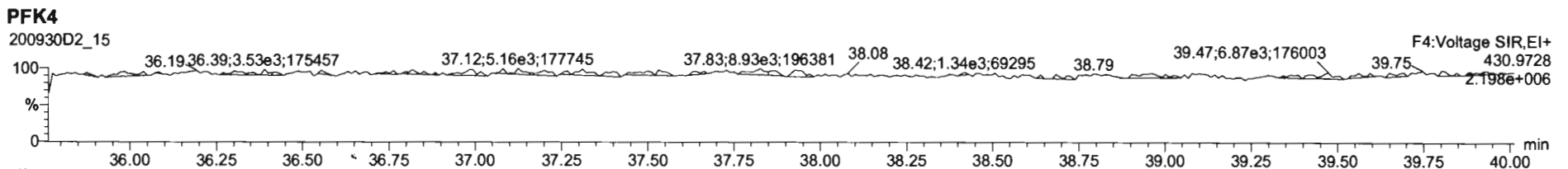
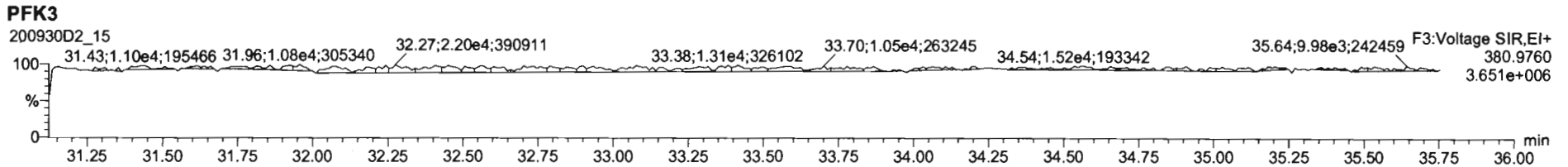
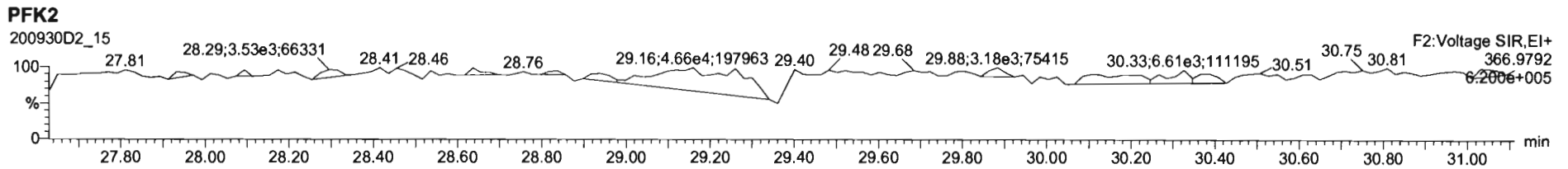
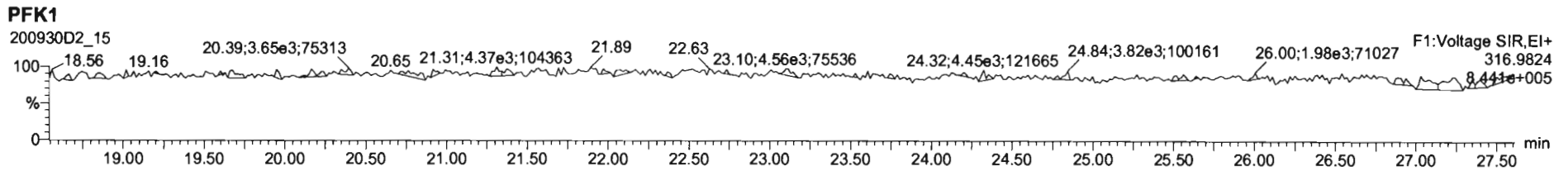




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Printed: Thursday, October 01, 2020 10:56:08 Pacific Daylight Time

Name: 200930D2_15, Date: 30-Sep-2020, Time: 23:29:40, ID: 2002003-03 PDI-018SC-A-02-03-190926 10.16, Description: PDI-018SC-A-02-03-190926



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

Last Altered: Friday, October 02, 2020 11:10:18 Pacific Daylight Time

Printed: Friday, October 02, 2020 11:12:22 Pacific Daylight Time

DB 10/2/20 C-10/06/2020

Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	1.00	7.751	25.852		1.001				0.140	
2	2 1,2,3,7,8-PeCDD			NO	0.935	7.751	30.187		1.001				0.180	
3	3 1,2,3,4,7,8-HxCDD			NO	1.15	7.751	33.426		1.000				0.191	
4	4 1,2,3,6,7,8-HxCDD	3.26e2	1.25	NO	1.02	7.751	33.525	33.55	1.000	1.001	0.58316		0.198	0.583
5	5 1,2,3,7,8,9-HxCDD	1.90e2	1.15	NO	1.06	7.751	33.845	33.84	1.001	1.001	0.33905		0.205	0.339
6	6 1,2,3,4,6,7,8-HpCDD	3.87e3	1.02	NO	1.00	7.751	37.212	37.22	1.000	1.001	9.3000		0.522	9.30
7	7 OCDD	4.13e4	0.86	NO	0.952	7.751	40.405	40.42	1.000	1.000	188.90		0.611	189
8	8 2,3,7,8-TCDF	3.73e2	1.04	YES	1.01	7.751	25.188	25.19	1.001	1.001	0.27482		0.134	0.238
9	9 1,2,3,7,8-PeCDF			NO	0.998	7.751	29.038		1.001				0.148	
10	10 2,3,4,7,8-PeCDF	1.01e3	1.83	YES	1.07	7.751	29.994	30.00	1.001	1.001	0.98149		0.144	0.883
11	11 1,2,3,4,7,8-HxCDF	3.96e2	1.17	NO	1.05	7.751	32.516	32.53	1.000	1.000	0.51563		0.160	0.516
12	12 1,2,3,6,7,8-HxCDF	8.73e2	1.10	NO	1.10	7.751	32.657	32.66	1.000	1.000	1.0918		0.164	1.09
13	13 2,3,4,6,7,8-HxCDF	5.93e2	1.25	NO	1.09	7.751	33.328	33.31	1.001	1.000	0.87238		0.200	0.872
14	14 1,2,3,7,8,9-HxCDF	2.29e2	1.12	NO	1.08	7.751	34.293	34.36	1.000	1.002	0.34803		0.231	0.348
15	15 1,2,3,4,6,7,8-HpCDF	8.49e3	1.07	NO	1.13	7.751	35.975	35.95	1.001	1.000	14.727		0.289	14.7
16	16 1,2,3,4,7,8,9-HpCDF	1.56e2	1.14	NO	1.29	7.751	37.849	37.86	1.000	1.000	0.33164		0.278	0.332
17	17 OCDF	1.81e3	0.94	NO	0.953	7.751	40.713	40.75	1.000	1.001	6.7912		0.350	6.79
18	18 13C-2,3,7,8-TCDD	2.31e5	0.79	NO	1.17	7.751	25.817	25.82	1.026	1.026	248.43	96.3	0.631	
19	19 13C-1,2,3,7,8-PeCDD	1.71e5	0.62	NO	0.914	7.751	30.009	30.17	1.193	1.199	235.36	91.2	0.458	
20	20 13C-1,2,3,4,7,8-HxCDD	1.27e5	1.28	NO	0.634	7.751	33.416	33.42	1.014	1.014	218.73	84.8	0.692	
21	21 13C-1,2,3,6,7,8-HxCDD	1.41e5	1.27	NO	0.724	7.751	33.525	33.53	1.017	1.017	211.88	82.1	0.606	
22	22 13C-1,2,3,7,8,9-HxCDD	1.36e5	1.30	NO	0.716	7.751	33.792	33.81	1.025	1.026	207.06	80.2	0.613	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.07e5	1.00	NO	0.660	7.751	37.206	37.20	1.129	1.129	176.73	68.5	1.01	
24	24 13C-OCDD	1.18e5	0.90	NO	0.587	7.751	40.185	40.40	1.219	1.226	219.68	42.6	0.542	
25	25 13C-2,3,7,8-TCDF	3.46e5	0.77	NO	1.02	7.751	24.911	25.16	0.990	1.000	232.86	90.2	0.544	
26	26 13C-1,2,3,7,8-PeCDF	2.71e5	1.66	NO	0.842	7.751	29.081	29.02	1.156	1.153	221.34	85.8	0.727	
27	27 13C-2,3,4,7,8-PeCDF	2.48e5	1.65	NO	0.802	7.751	29.969	29.96	1.191	1.191	212.34	82.3	0.764	
28	28 13C-1,2,3,4,7,8-HxCDF	1.88e5	0.50	NO	1.00	7.751	32.560	32.52	0.988	0.987	204.38	79.2	0.925	
29	29 13C-1,2,3,6,7,8-HxCDF	1.88e5	0.50	NO	1.02	7.751	32.691	32.65	0.992	0.991	200.34	77.6	0.911	
30	30 13C-2,3,4,6,7,8-HxCDF	1.61e5	0.50	NO	0.955	7.751	33.255	33.29	1.009	1.010	183.61	71.2	0.972	
31	31 13C-1,2,3,7,8,9-HxCDF	1.57e5	0.52	NO	0.851	7.751	34.319	34.29	1.041	1.041	200.45	77.7	1.09	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

Last Altered: Friday, October 02, 2020 11:10:18 Pacific Daylight Time

Printed: Friday, October 02, 2020 11:12:22 Pacific Daylight Time

Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.32e5	0.45	NO	0.848	7.751	35.822	35.94	1.087	1.091	168.75	65.4	0.791	
33	13C-1,2,3,4,7,8,9-HpCDF	9.42e4	0.45	NO	0.624	7.751	37.799	37.85	1.147	1.149	164.25	63.7	1.07	
34	13C-OCDF	1.44e5	0.88	NO	0.730	7.751	40.337	40.71	1.224	1.235	214.69	41.6	0.620	
35	37Cl-2,3,7,8-TCDD	1.15e5			1.21	7.751	25.815	25.84	1.026	1.027	120.02	116	0.124	
36	13C-1,2,3,4-TCDD	2.05e5	0.77	NO	1.00	7.751	25.260	25.16	1.000	1.000	258.03	100	0.740	
37	13C-1,2,3,4-TCDF	3.75e5	0.78	NO	1.00	7.751	23.930	23.80	1.000	1.000	258.03	100	0.556	
38	13C-1,2,3,4,6,9-HxCDF	2.37e5	0.52	NO	1.00	7.751	32.990	32.96	1.000	1.000	258.03	100	0.928	
39	Total Tetra-Dioxins				1.00	7.751	24.620		0.000				0.0711	
40	Total Penta-Dioxins				0.935	7.751	29.960		0.000		0.50981		0.180	0.510
41	Total Hexa-Dioxins				1.02	7.751	33.635		0.000		2.8793		0.209	3.94
42	Total Hepta-Dioxins				1.00	7.751	37.640		0.000		23.850		0.522	23.9
43	Total Tetra-Furans				1.01	7.751	23.610		0.000		4.4130		0.134	4.84
44	1st Func. Penta-Furans				0.998	7.751	26.750		0.000		5.8765		0.0742	5.88
45	Total Penta-Furans				0.998	7.751	29.275		0.000		3.6560		0.151	4.54
46	Total Hexa-Furans				1.09	7.751	33.555		0.000		16.853		0.185	16.9
47	Total Hepta-Furans				1.13	7.751	37.835		0.000		28.568		0.300	28.6

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

Last Altered: Friday, October 02, 2020 11:10:18 Pacific Daylight Time
Printed: Friday, October 02, 2020 11:12:22 Pacific Daylight Time

Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

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	Total Penta-Dioxins	28.11	1.548e3	3.580e3	1.226e2	1.930e2	0.64	NO	3.156e2	0.50981	0.50981	0.180

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	31.79	9.578e3	8.839e3	4.809e2	4.182e2	1.15	NO	8.990e2	1.6802	1.6802	0.209
2	Total Hexa-Dioxins	32.38	1.644e3	1.053e3	8.339e1	6.480e1	1.29	NO	1.482e2	0.27694	0.27694	0.209
3	Total Hexa-Dioxins	32.68	1.034e4	8.142e3	3.659e2	2.536e2	1.44	YES	0.000e0	0.00000	1.0615	0.209
4	1,2,3,6,7,8-HxCDD	33.55	3.208e3	3.526e3	1.812e2	1.451e2	1.25	NO	3.263e2	0.58316	0.58316	0.198
5	1,2,3,7,8,9-HxCDD	33.84	1.716e3	2.184e3	1.017e2	8.817e1	1.15	NO	1.899e2	0.33905	0.33905	0.205

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.31	5.083e4	4.883e4	3.179e3	2.878e3	1.10	NO	6.057e3	14.550	14.550	0.522
2	1,2,3,4,6,7,8-HpCDD	37.22	3.602e4	3.776e4	1.954e3	1.917e3	1.02	NO	3.872e3	9.3000	9.3000	0.522

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Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

Last Altered: Friday, October 02, 2020 11:10:18 Pacific Daylight Time

Printed: Friday, October 02, 2020 11:12:22 Pacific Daylight Time

Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.91	1.799e3	2.322e3	1.106e2	1.826e2	0.61	YES	0.000e0	0.00000	0.18707	0.134
2	Total Tetra-Furans	21.66	1.030e4	1.198e4	9.030e2	1.193e3	0.76	NO	2.096e3	1.5423	1.5423	0.134
3	Total Tetra-Furans	22.50	3.973e3	6.260e3	3.720e2	4.970e2	0.75	NO	8.690e2	0.63943	0.63943	0.134
4	Total Tetra-Furans	22.89	7.994e3	9.045e3	5.881e2	7.184e2	0.82	NO	1.307e3	0.96140	0.96140	0.134
5	Total Tetra-Furans	23.88	9.051e3	9.771e3	5.518e2	7.162e2	0.77	NO	1.268e3	0.93307	0.93307	0.134
6	2,3,7,8-TCDF	25.19	2.438e3	2.839e3	1.906e2	1.829e2	1.04	YES	3.735e2	0.00000	0.23820	0.134
7	Total Tetra-Furans	26.29	1.661e3	2.277e3	8.936e1	1.282e2	0.70	NO	2.175e2	0.16008	0.16008	0.134
8	Total Tetra-Furans	26.42	1.623e3	2.424e3	9.810e1	1.421e2	0.69	NO	2.402e2	0.17676	0.17676	0.134

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.62	6.513e4	3.800e4	3.620e3	2.272e3	1.59	NO	5.892e3	5.8765	5.8765	0.0742

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.11	1.767e4	1.504e4	1.365e3	9.995e2	1.37	NO	2.364e3	2.3580	2.3580	0.151
2	Total Penta-Furans	28.68	8.368e3	5.563e3	5.100e2	3.070e2	1.66	NO	8.170e2	0.81480	0.81480	0.151
3	Total Penta-Furans	29.28	3.264e3	2.133e3	2.850e2	1.994e2	1.43	NO	4.844e2	0.48312	0.48312	0.151
4	2,3,4,7,8-PeCDF	30.00	1.204e4	7.345e3	6.546e2	3.569e2	1.83	YES	1.012e3	0.00000	0.88305	0.144

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.29	1.781e4	1.414e4	8.588e2	7.420e2	1.16	NO	1.601e3	2.1893	2.1893	0.185
2	Total Hexa-Furans	31.45	4.403e4	3.206e4	2.050e3	1.616e3	1.27	NO	3.666e3	5.0139	5.0139	0.185
3	Total Hexa-Furans	32.06	5.275e4	4.660e4	2.736e3	2.252e3	1.22	NO	4.988e3	6.8218	6.8218	0.185
4	1,2,3,4,7,8-HxCDF	32.53	3.807e3	3.709e3	2.136e2	1.822e2	1.17	NO	3.958e2	0.51563	0.51563	0.160
5	1,2,3,6,7,8-HxCDF	32.66	7.546e3	7.356e3	4.574e2	4.154e2	1.10	NO	8.728e2	1.0918	1.0918	0.164
6	2,3,4,6,7,8-HxCDF	33.31	5.128e3	4.375e3	3.290e2	2.635e2	1.25	NO	5.926e2	0.87238	0.87238	0.200
7	1,2,3,7,8,9-HxCDF	34.36	2.171e3	2.084e3	1.211e2	1.077e2	1.12	NO	2.288e2	0.34803	0.34803	0.231

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Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

Last Altered: Friday, October 02, 2020 11:10:18 Pacific Daylight Time

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Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	35.95	5.982e4	6.084e4	4.383e3	4.108e3	1.07	NO	8.491e3	14.727	14.727	0.289
2	Total Hepta-Furans	36.61	5.260e4	5.156e4	3.410e3	3.274e3	1.04	NO	6.684e3	13.510	13.510	0.300
3	1,2,3,4,7,8,9-HpCDF	37.86	1.430e3	1.447e3	8.282e1	7.294e1	1.14	NO	1.558e2	0.33164	0.33164	0.278

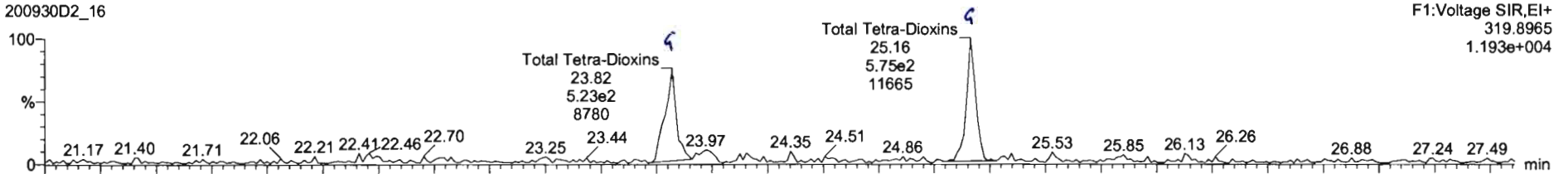
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

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Printed: Thursday, October 01, 2020 10:57:09 Pacific Daylight Time

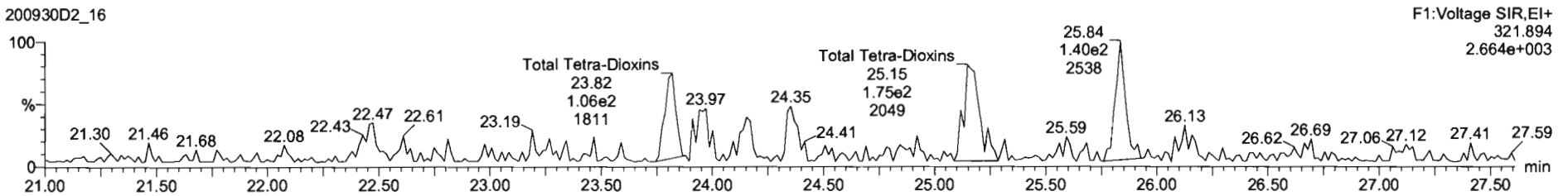
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Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

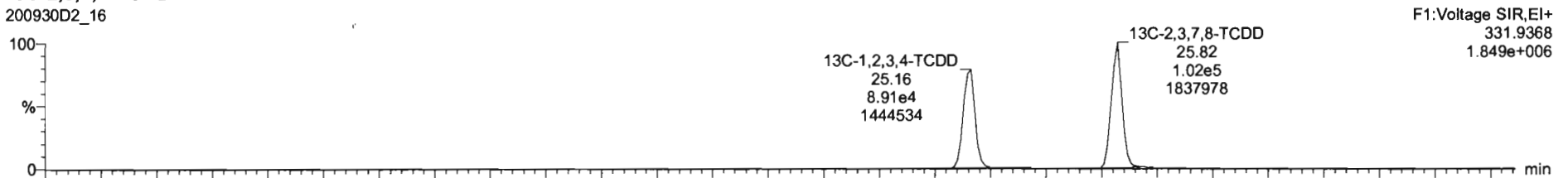
2,3,7,8-TCDD
200930D2_16



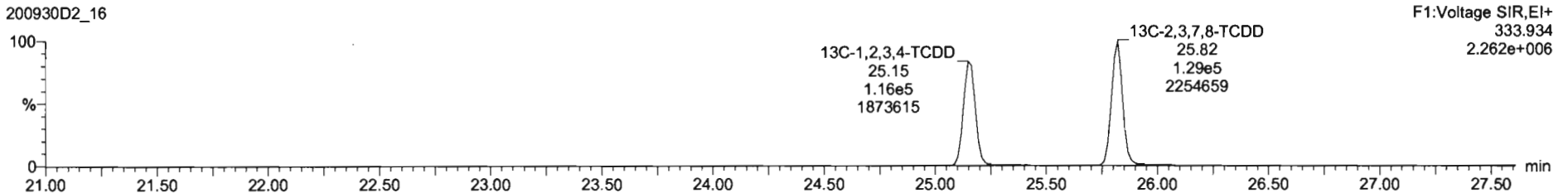
200930D2_16



13C-2,3,7,8-TCDD
200930D2_16



200930D2_16

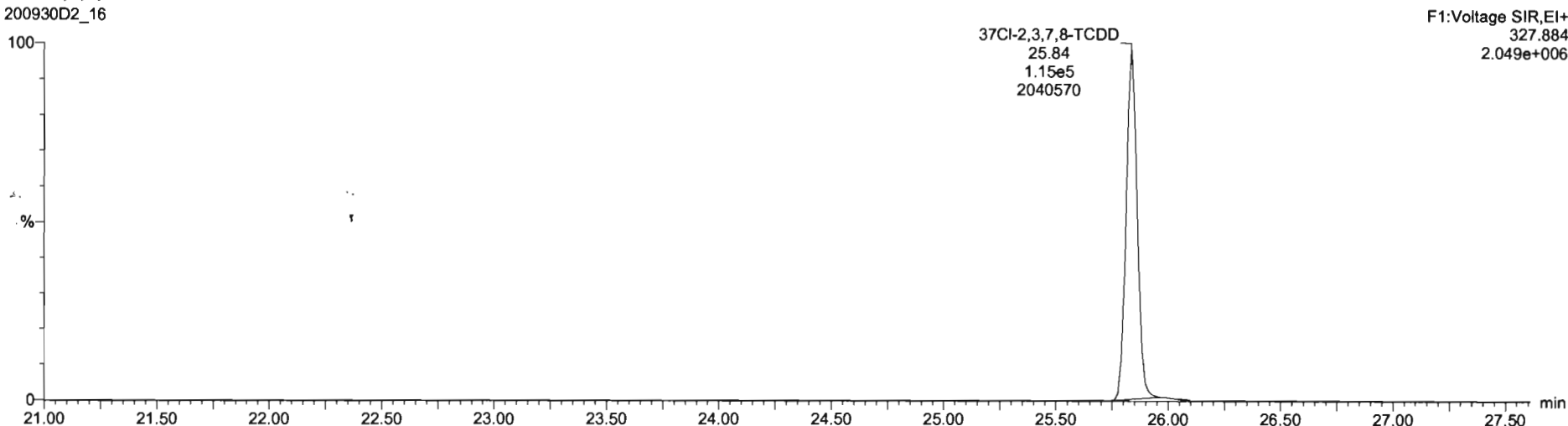


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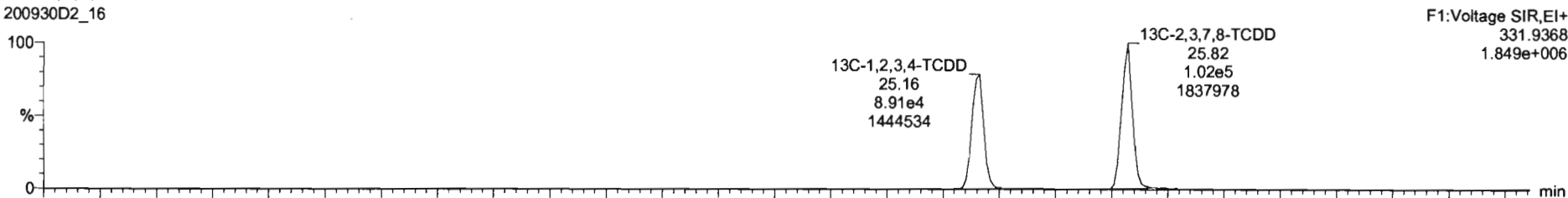
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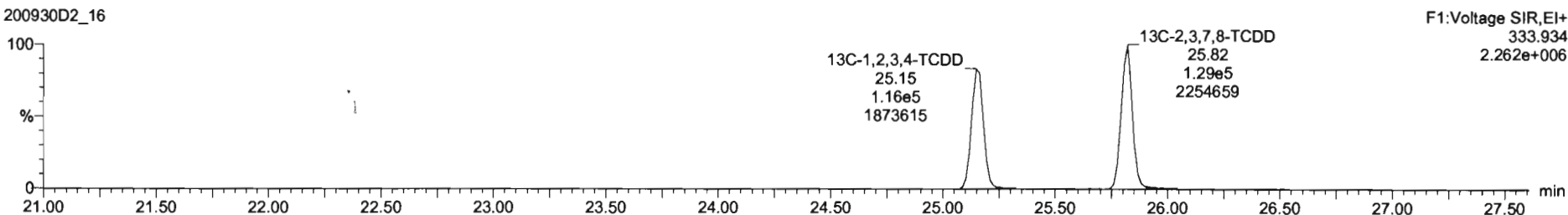
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200930D2_16



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200930D2_16



200930D2_16



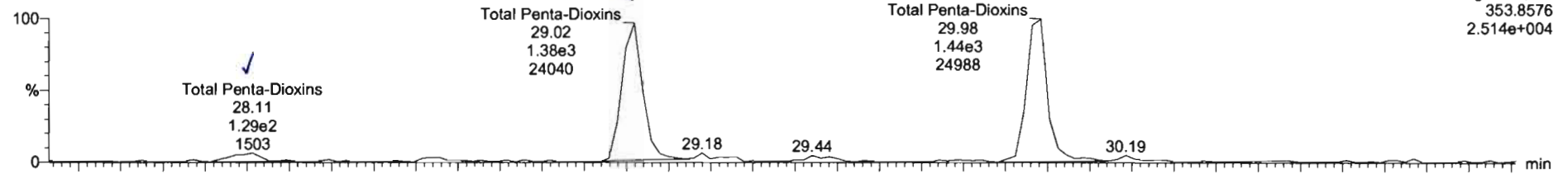
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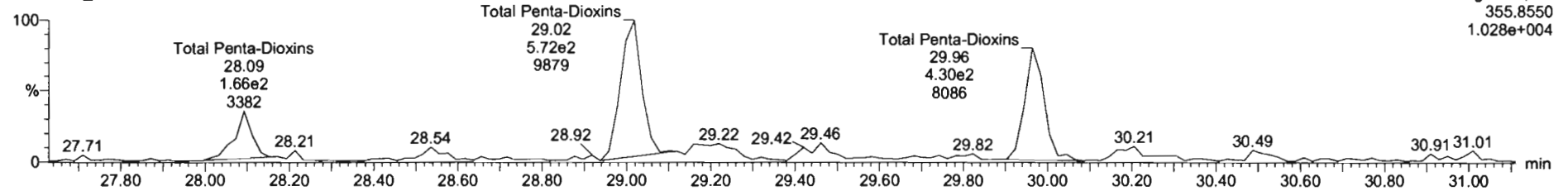
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1,2,3,7,8-PeCDD

200930D2_16

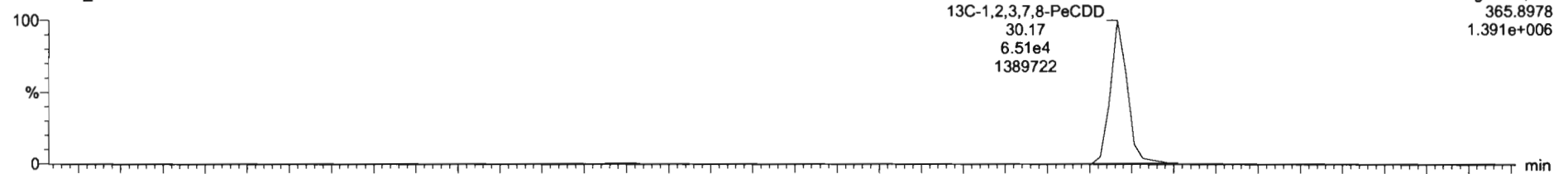


200930D2_16

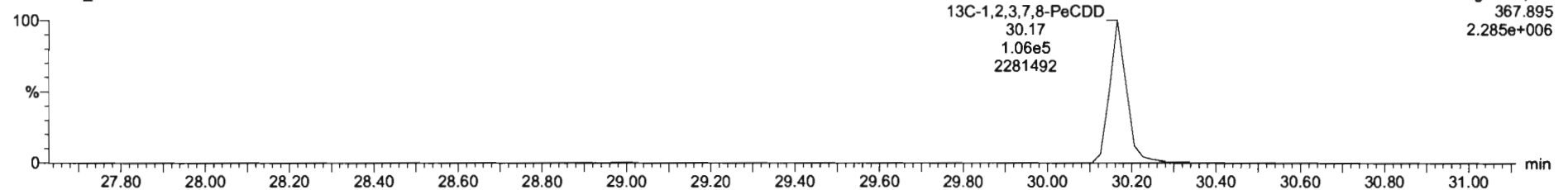


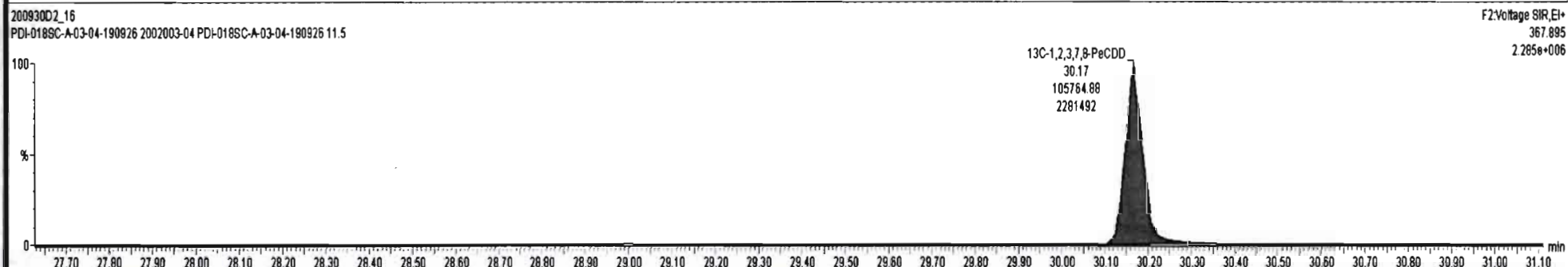
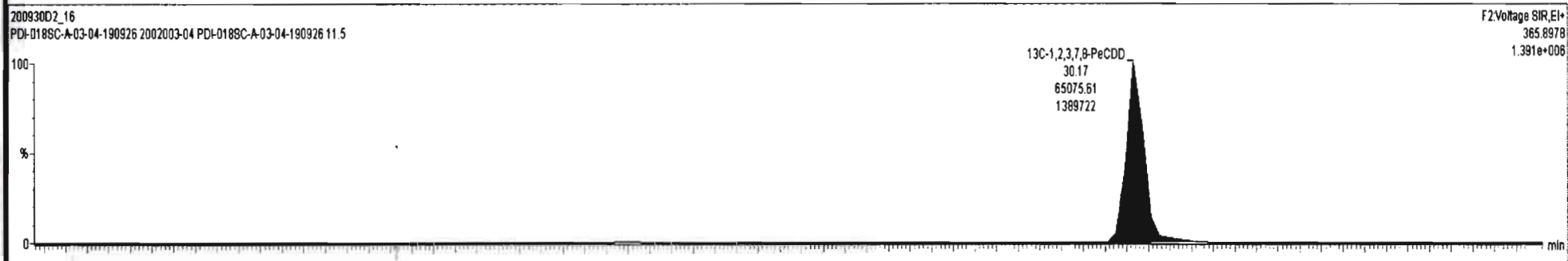
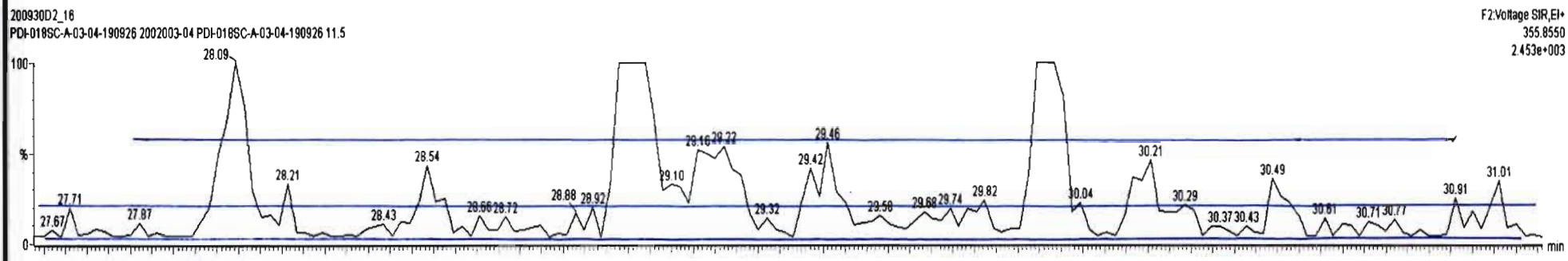
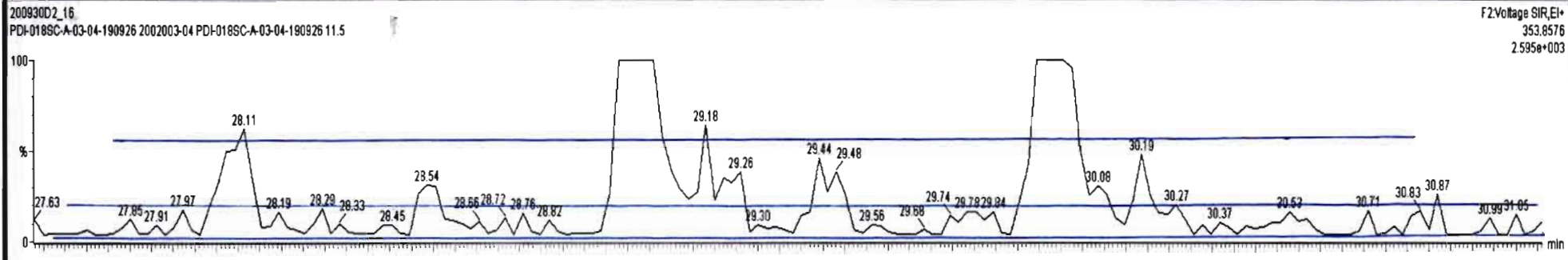
13C-1,2,3,7,8-PeCDD

200930D2_16



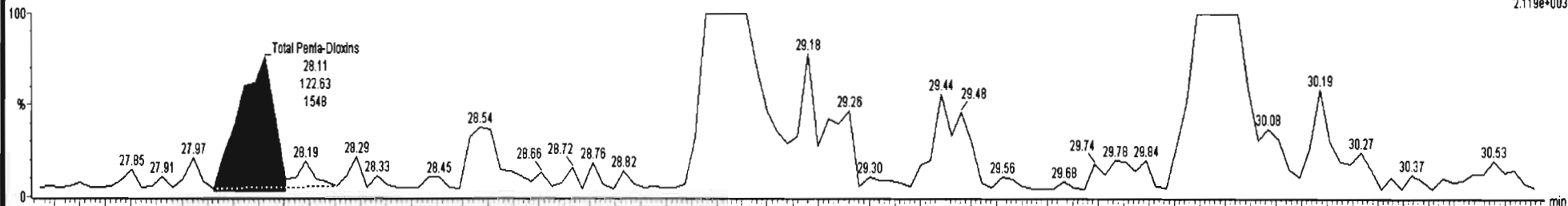
200930D2_16





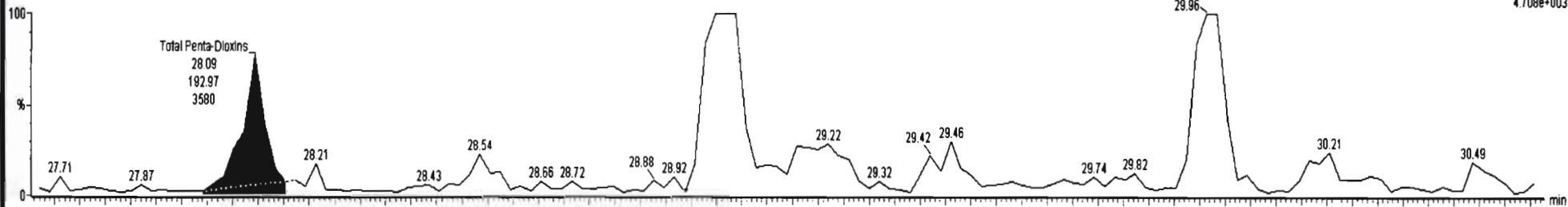
20093002_16
PDI-018SC-A-03-04-190926 2002003-04 PDI-018SC-A-03-04-190926 11.5

F2:Voltage SIR,EI+
353.8578
2.119e+003



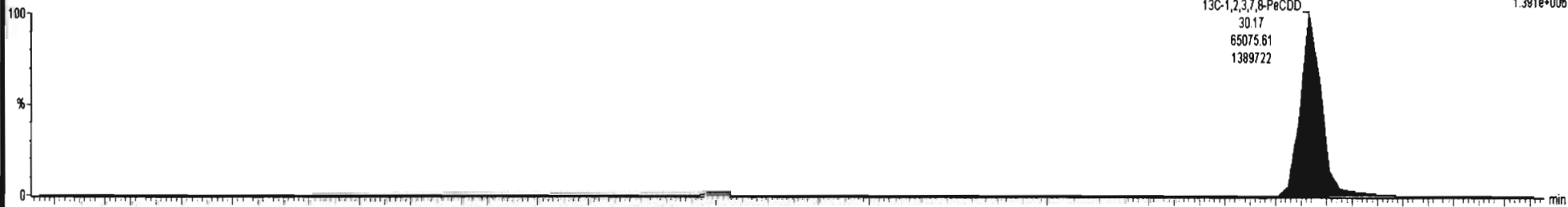
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PDI-018SC-A-03-04-190926 2002003-04 PDI-018SC-A-03-04-190926 11.5

F2:Voltage SIR,EI+
355.8550
4.708e+003



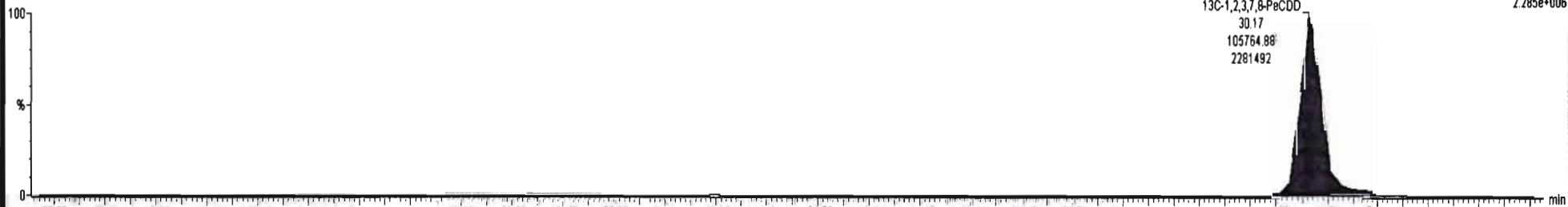
20093002_18
PDI-018SC-A-03-04-190926 2002003-04 PDI-018SC-A-03-04-190926 11.5

F2:Voltage SIR,EI+
365.8978
1.391e+006



20093002_18
PDI-018SC-A-03-04-190926 2002003-04 PDI-018SC-A-03-04-190926 11.5

F2:Voltage SIR,EI+
367.8951
2.285e+006



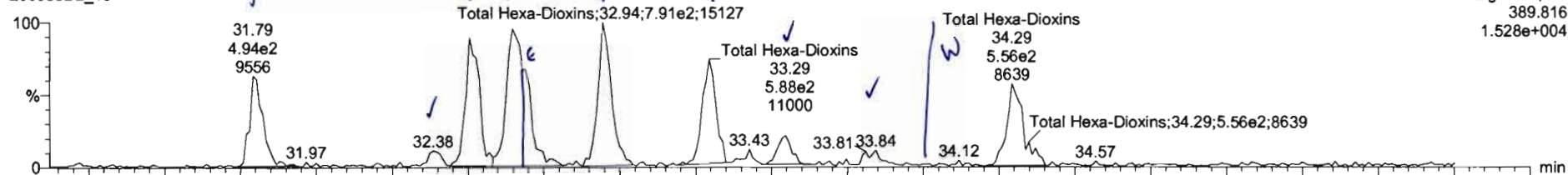
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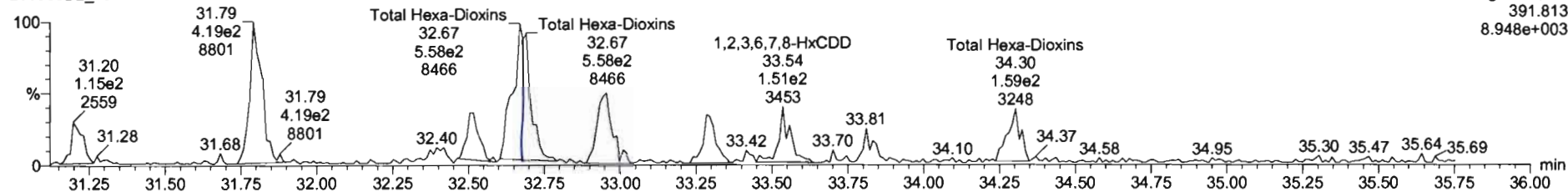
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1,2,3,4,7,8-HxCDD

200930D2_16

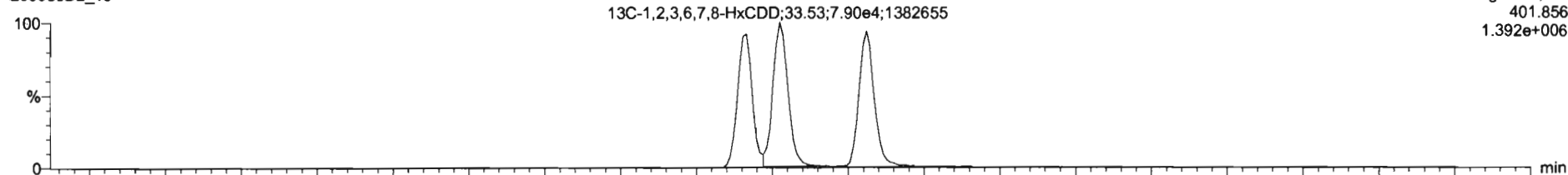


200930D2_16

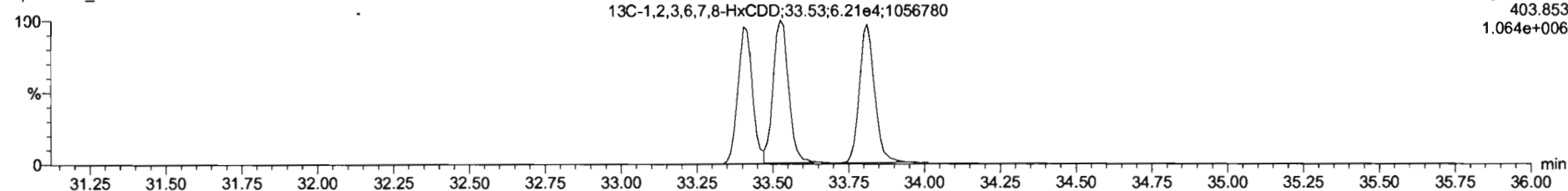


13C-1,2,3,4,7,8-HxCDD

200930D2_16

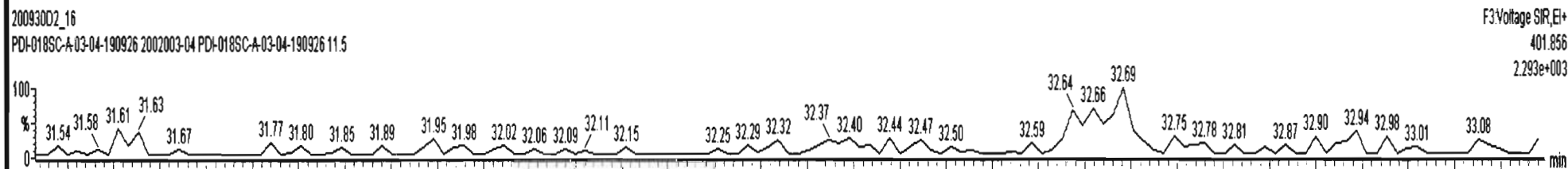
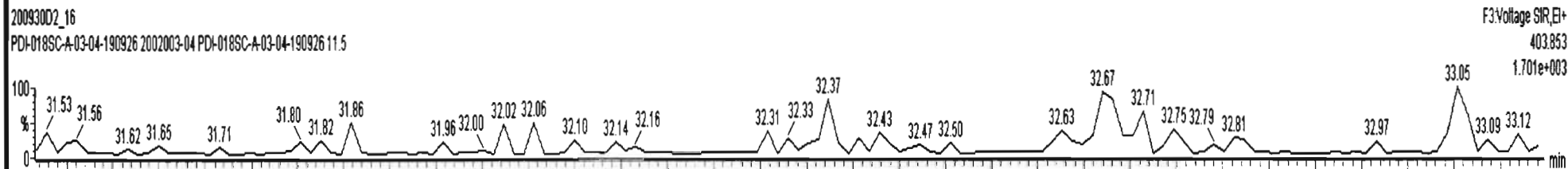
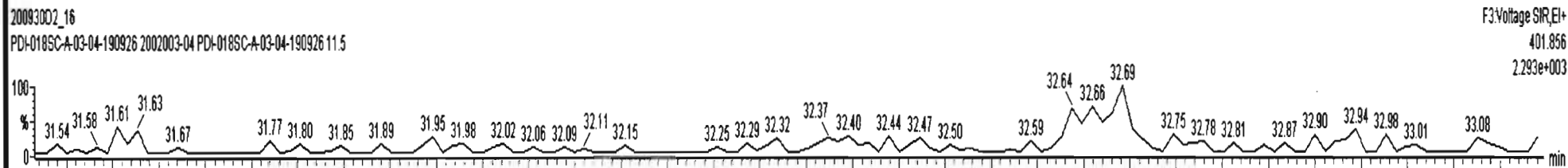
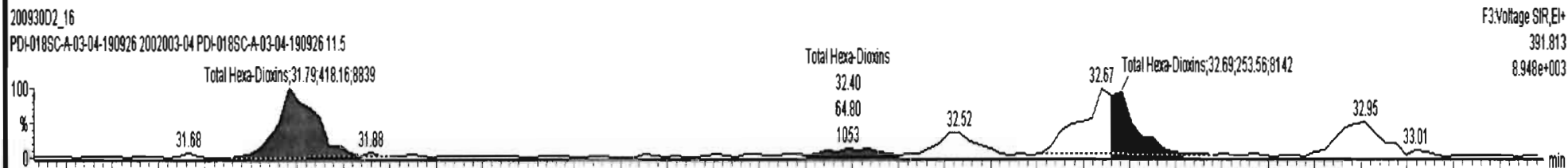
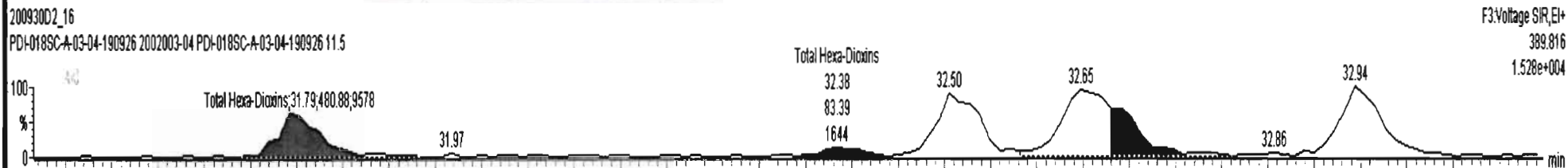


200930D2_16



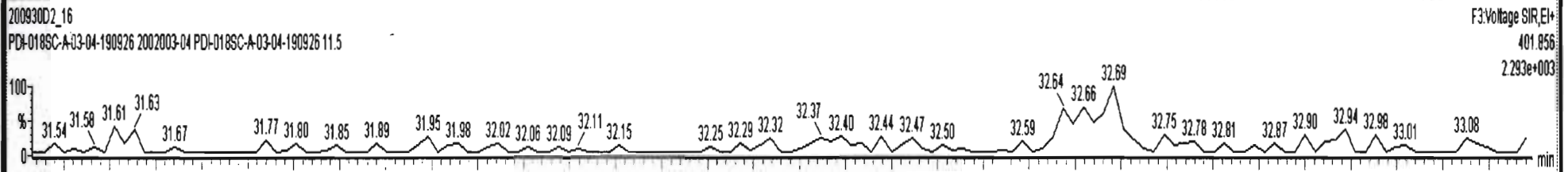
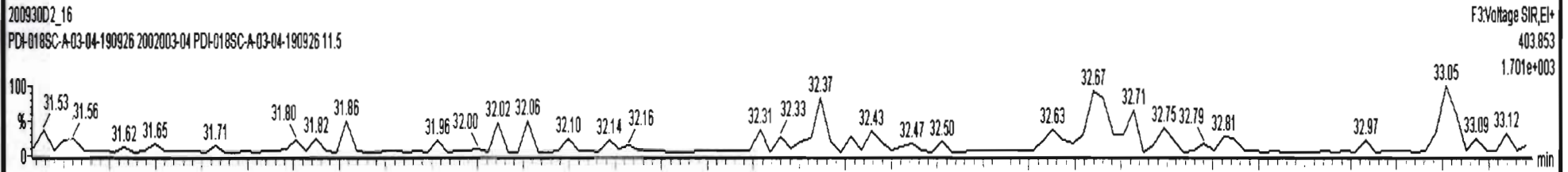
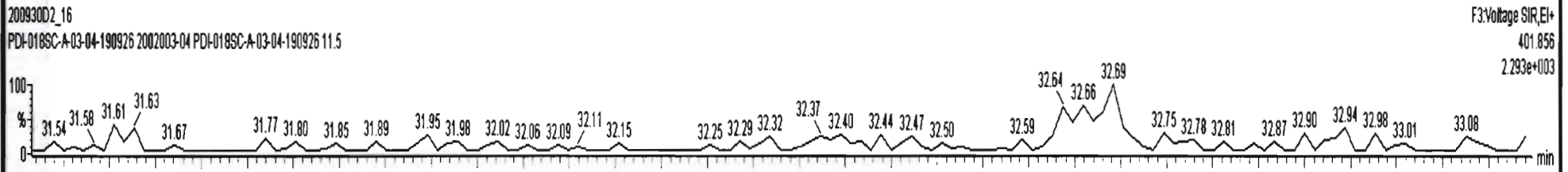
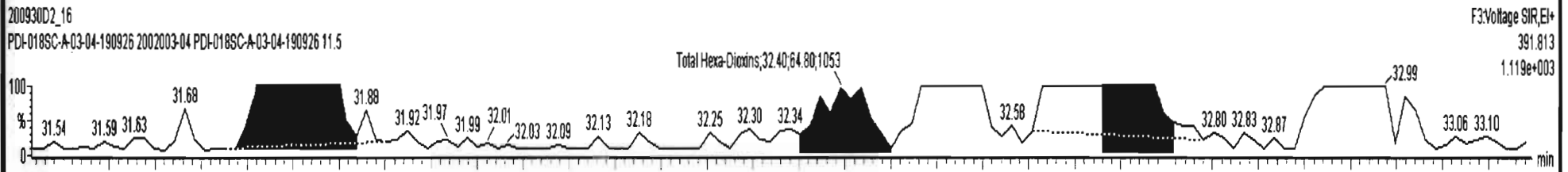
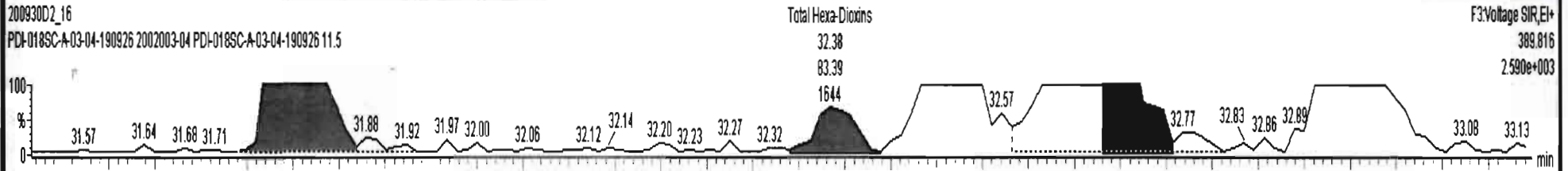


20093002_16 - 2002003-04 PDI-018SC-A-03-04-190926 11.5 - PDI-018SC-A-03-04-190926



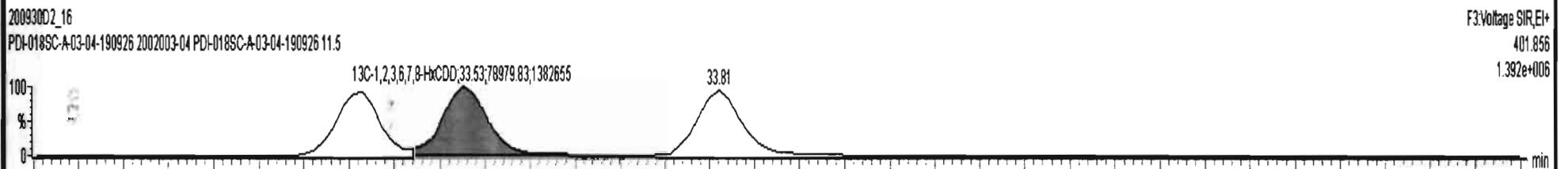
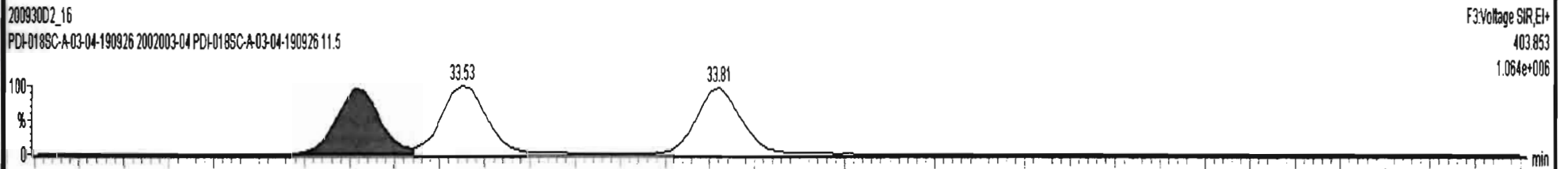
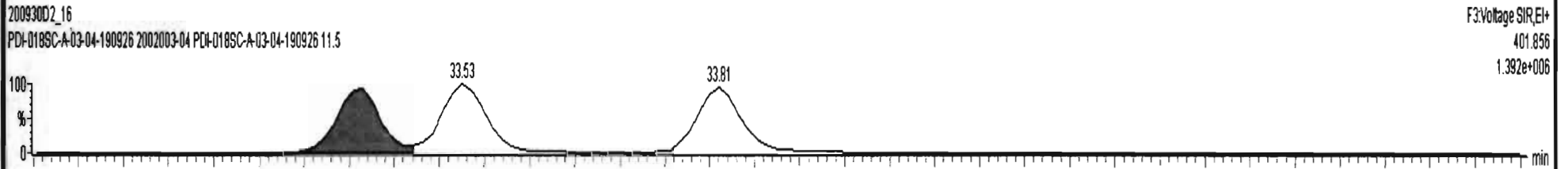
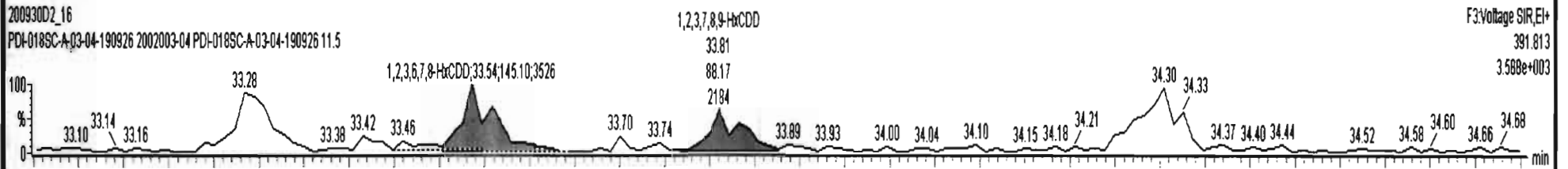
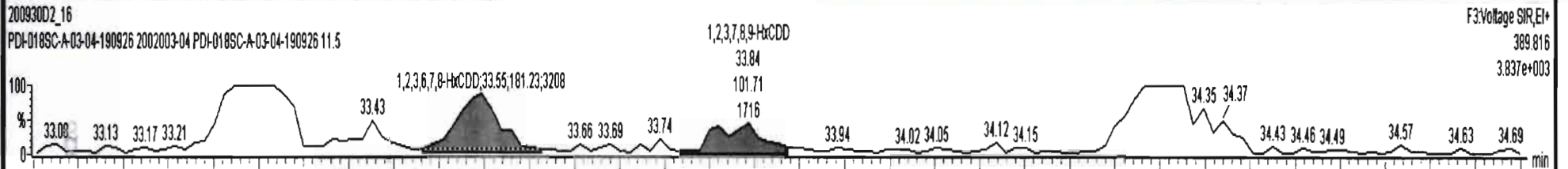


20093002_16 - 20020304-03-04-190926 20020304-03-04-190926 20020304-03-04-190926





20093002_16 - 2002003-04-PDI-018SC-A-03-04-190926 11.5 - PDI-018SC-A-03-04-190926

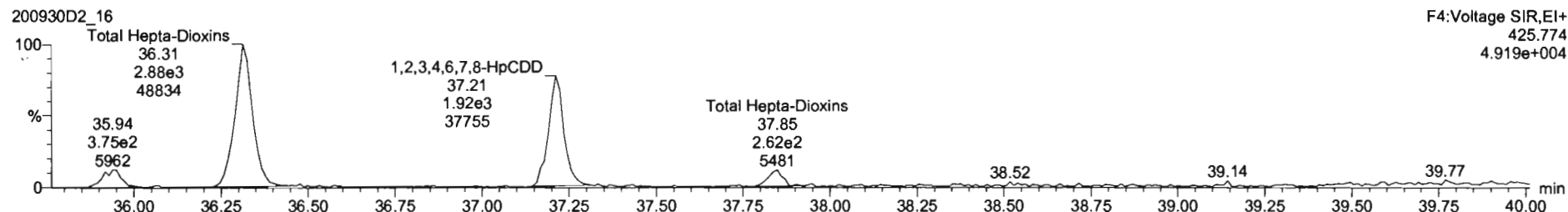
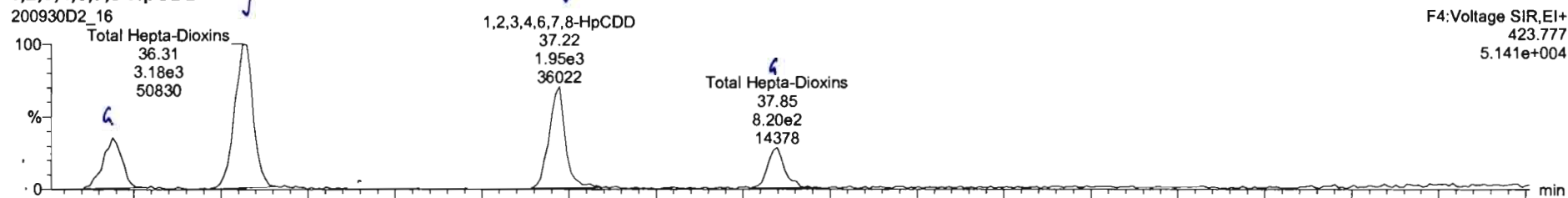


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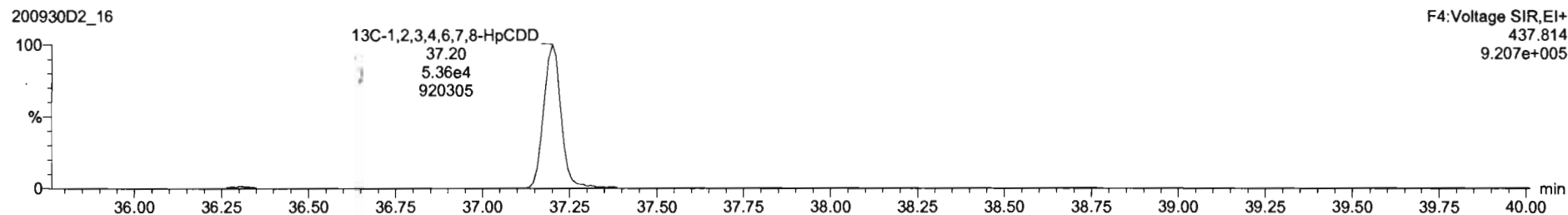
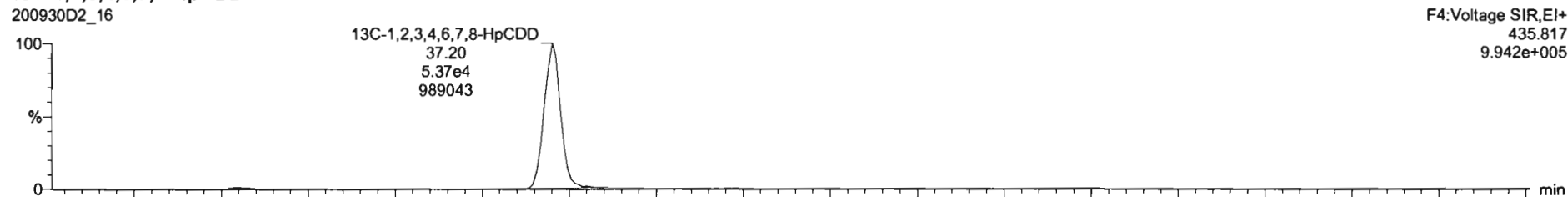
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Printed: Thursday, October 01, 2020 10:57:09 Pacific Daylight Time

Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

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



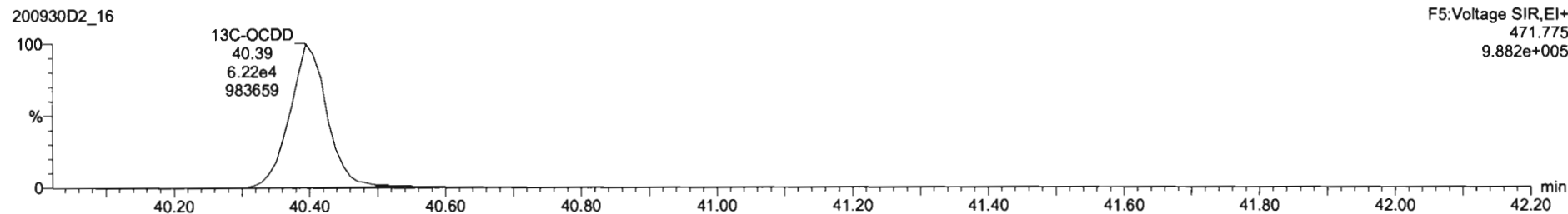
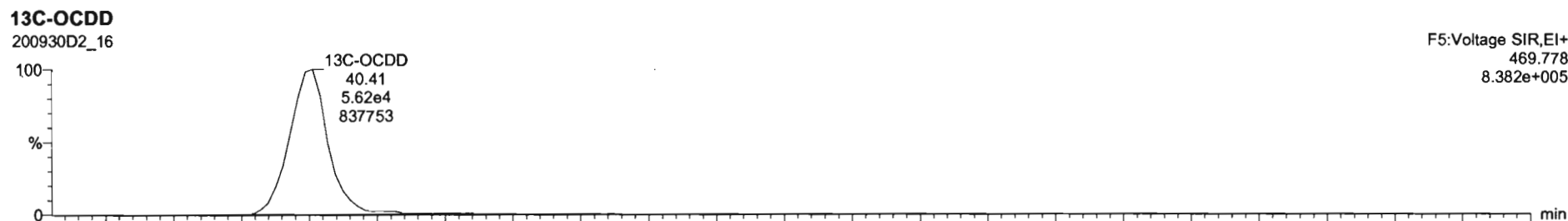
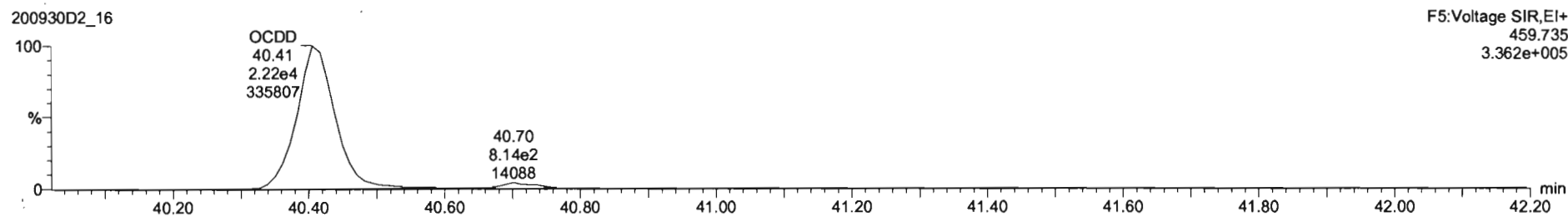
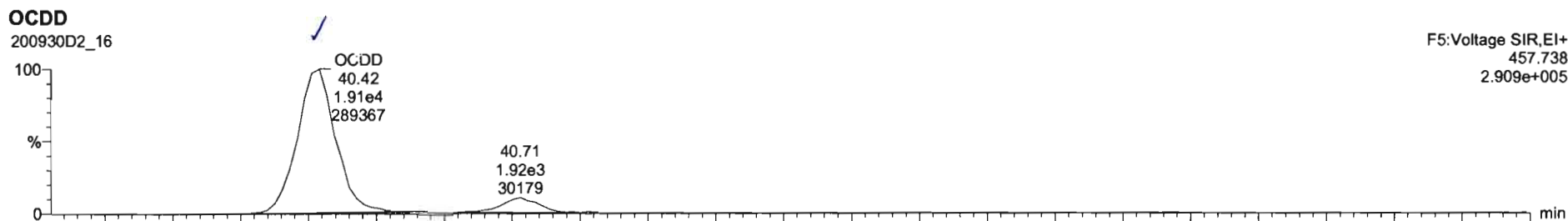
13C-1,2,3,4,6,7,8-HpCDD



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

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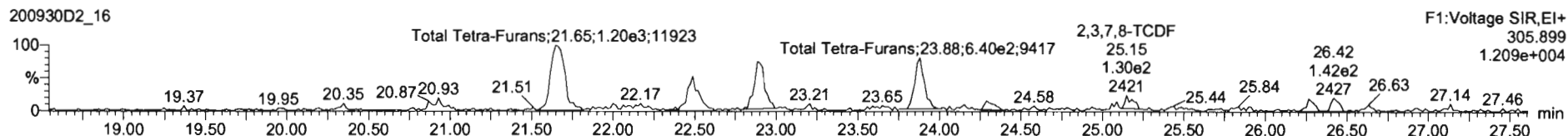
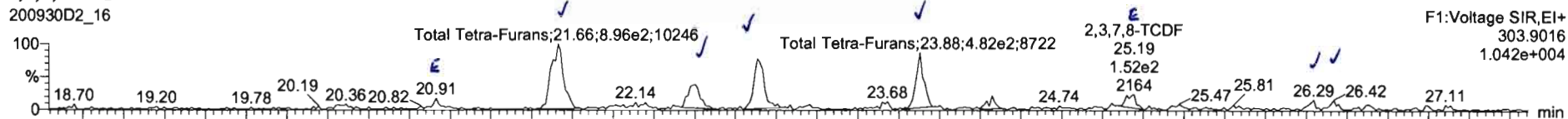


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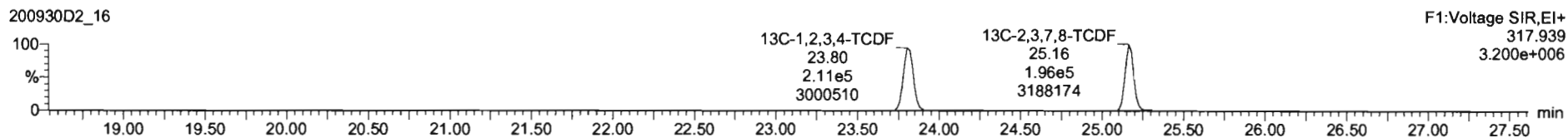
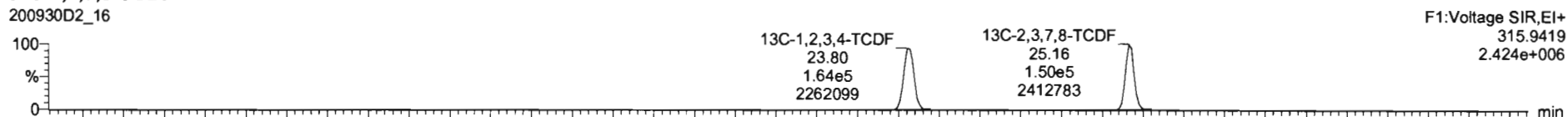
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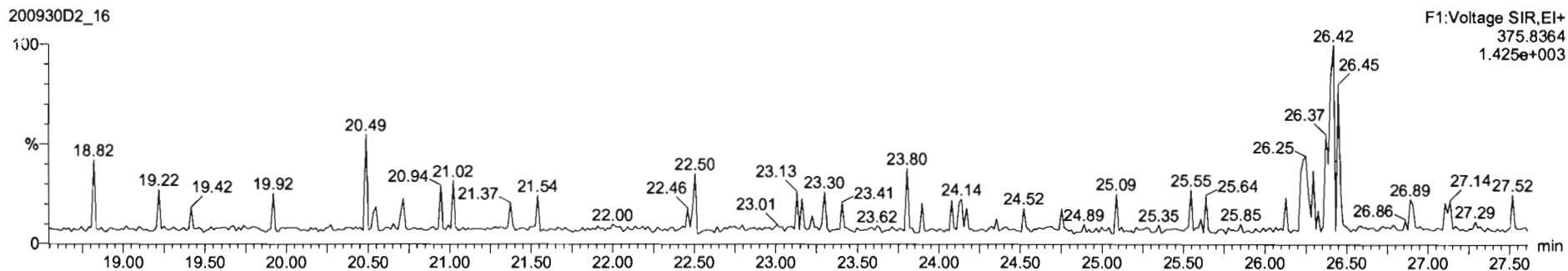
2,3,7,8-TCDF

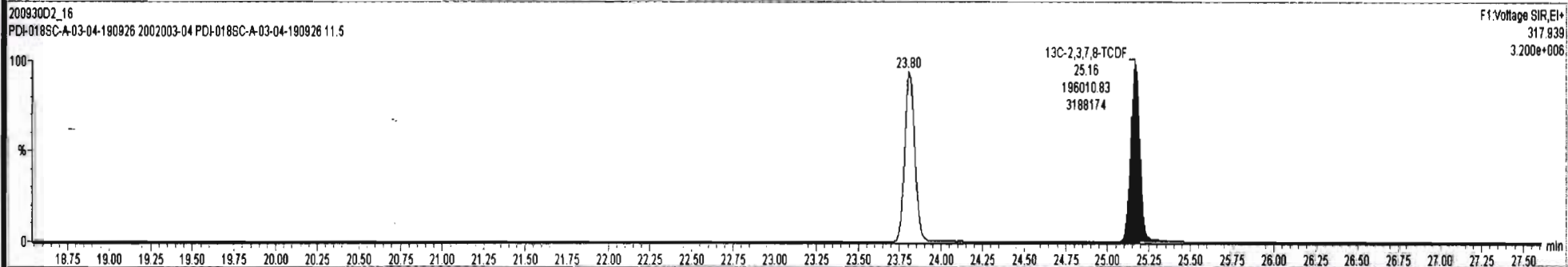
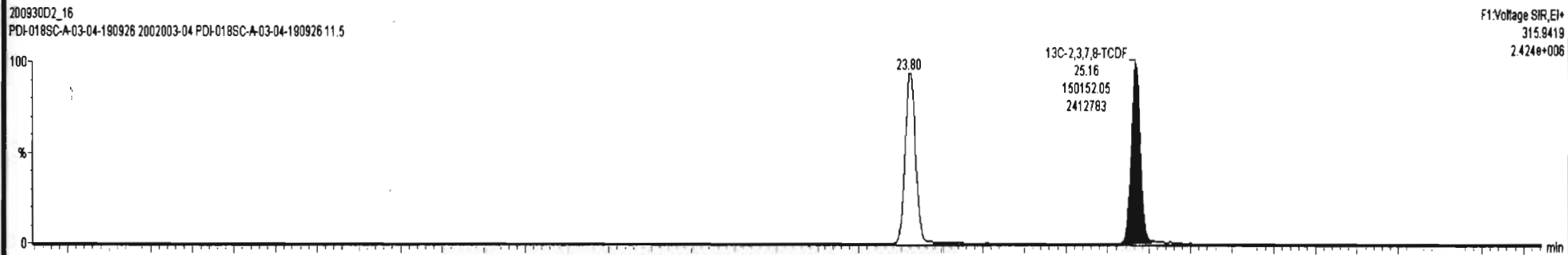
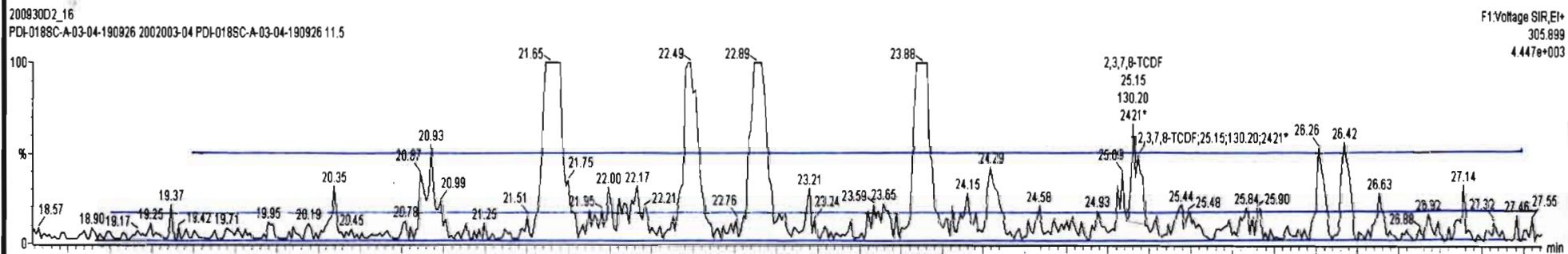
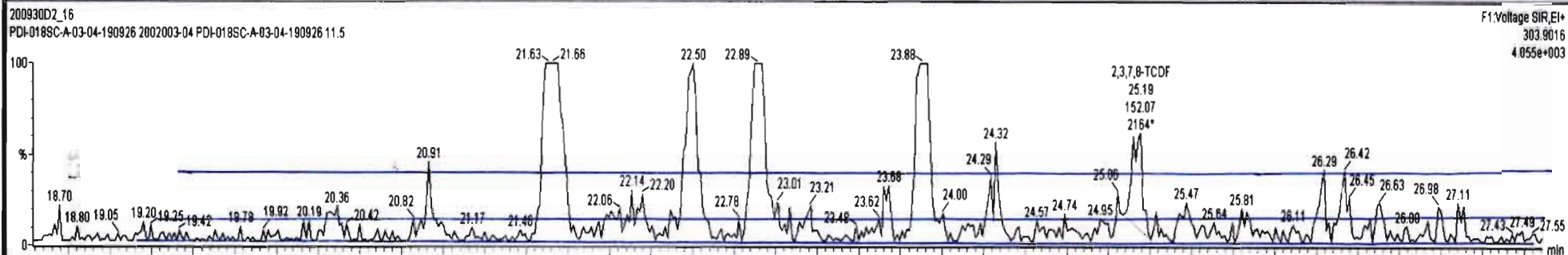


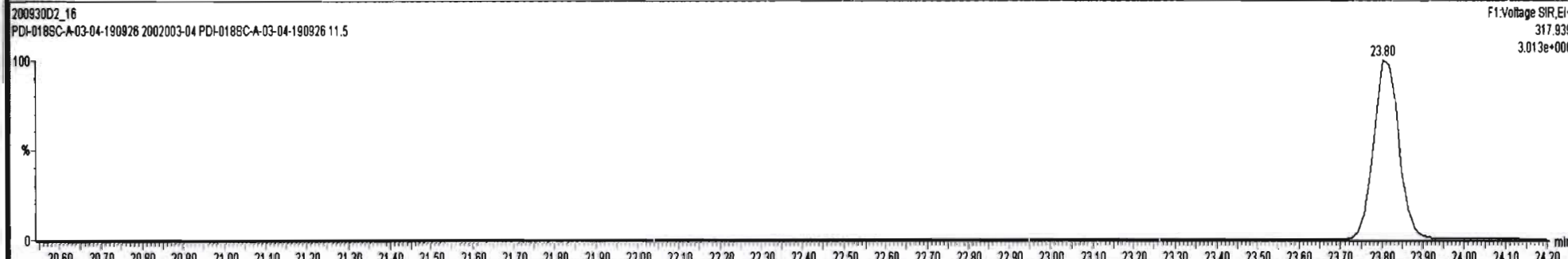
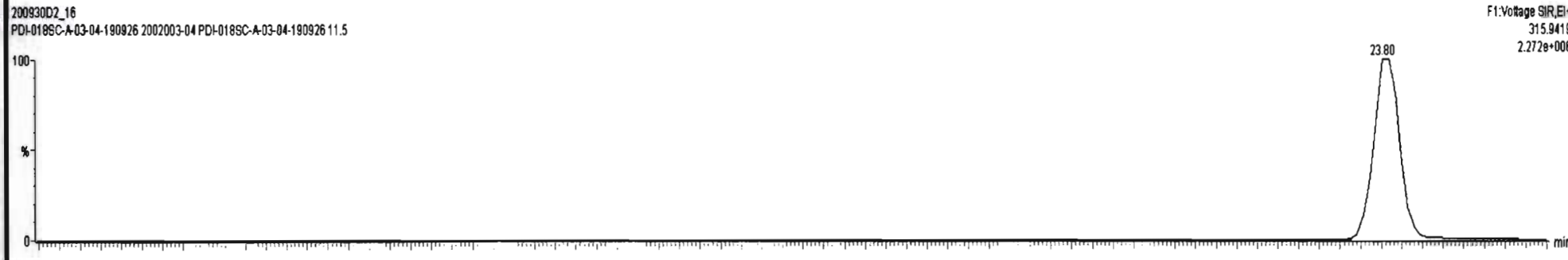
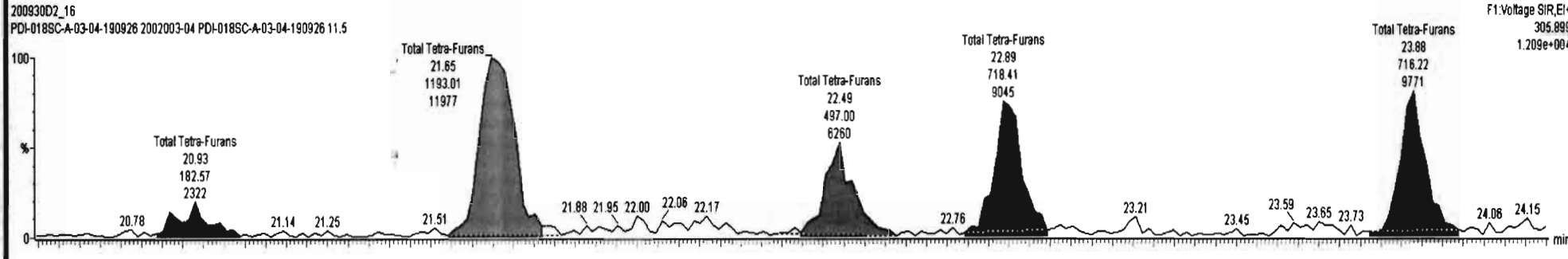
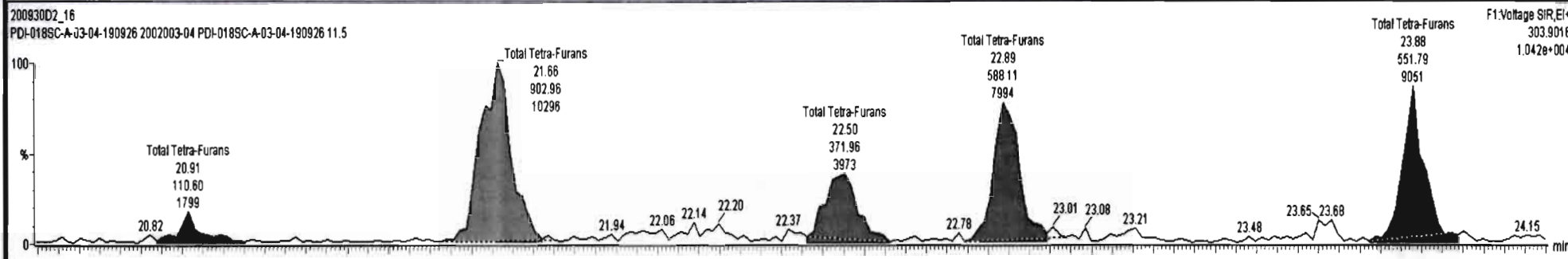
13C-2,3,7,8-TCDF

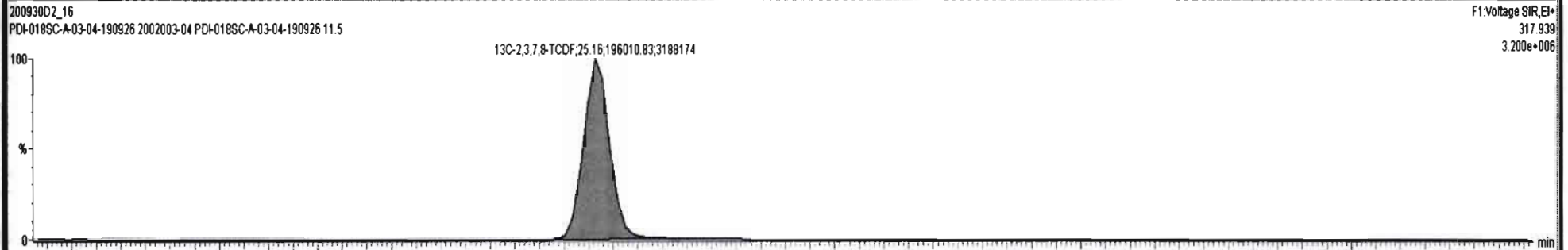
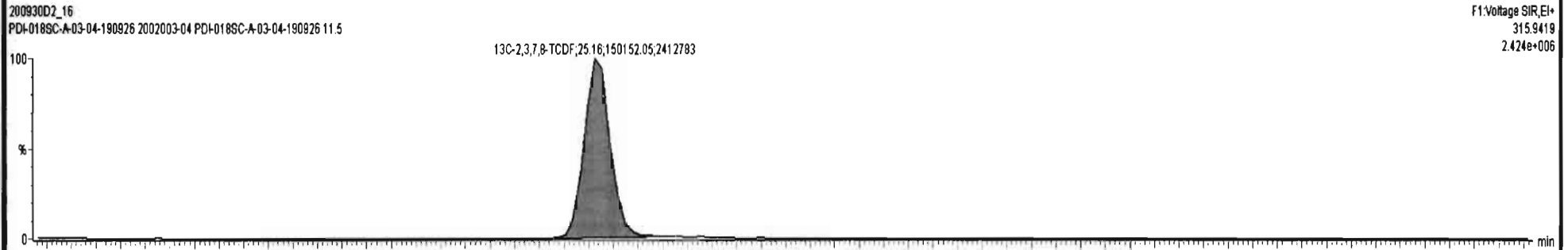
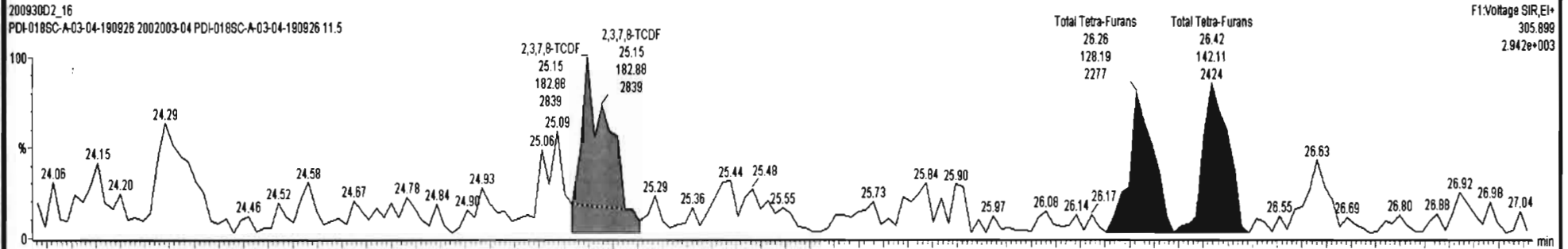
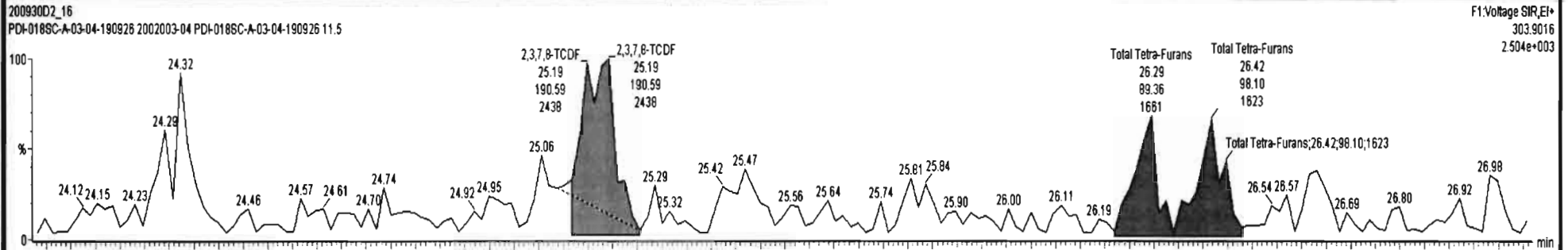


DPE1









Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

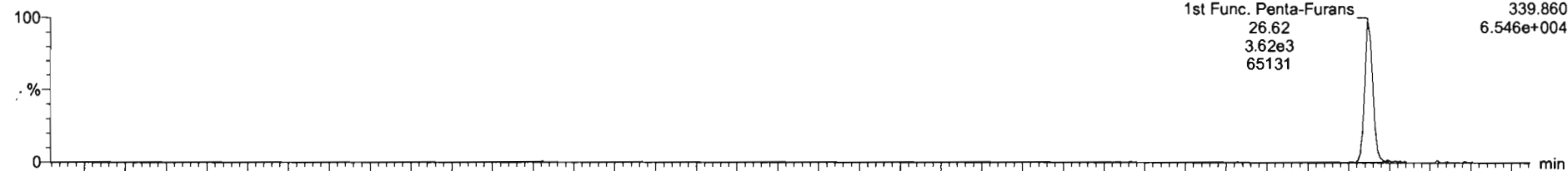
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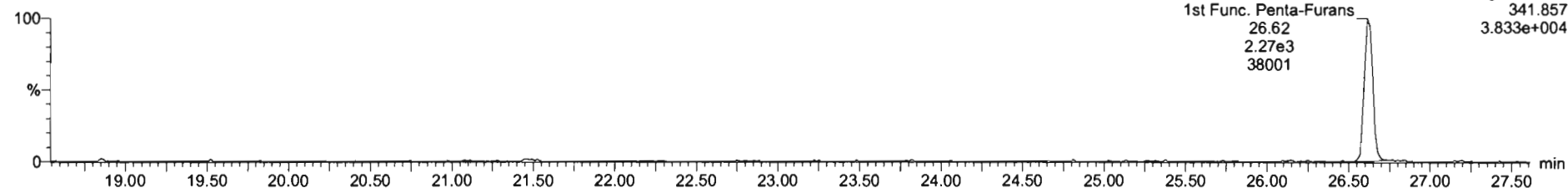
Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

1st Func. Penta-Furans

200930D2_16

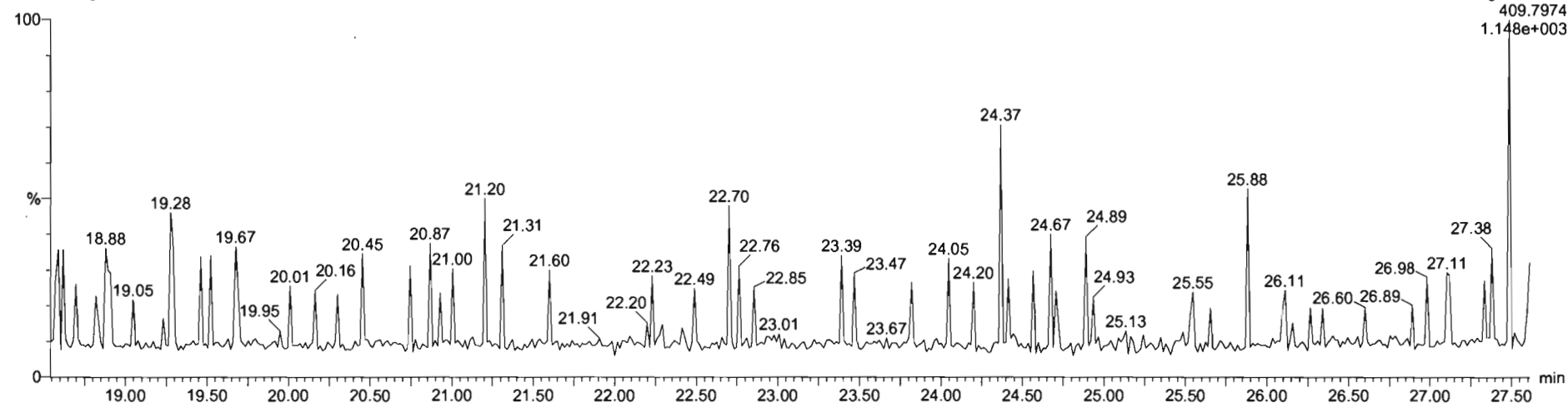


200930D2_16



DPE6

200930D2_16



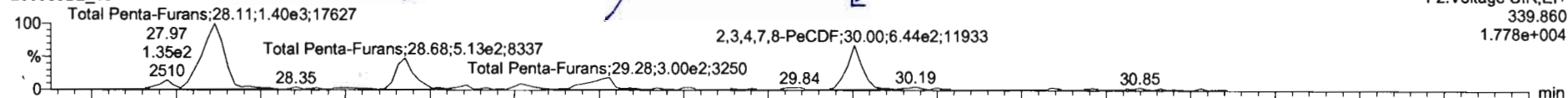
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

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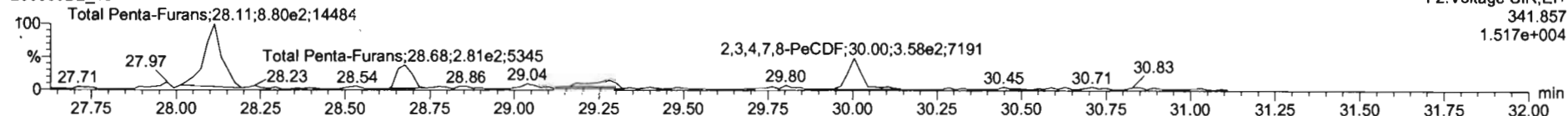
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1,2,3,7,8-PeCDF

200930D2_16

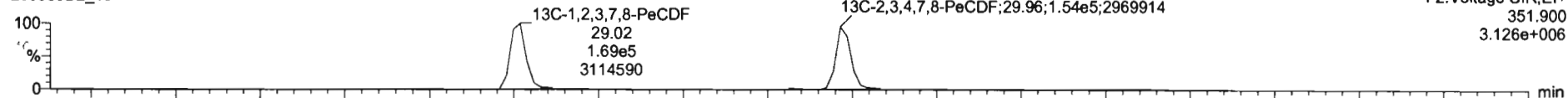


200930D2_16

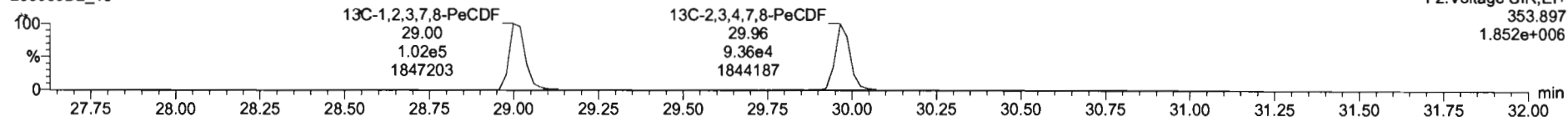


13C-1,2,3,7,8-PeCDF

200930D2_16

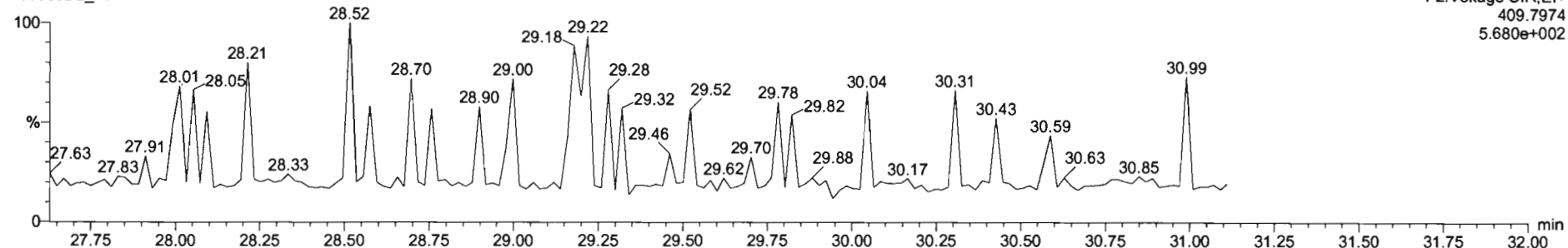


200930D2_16

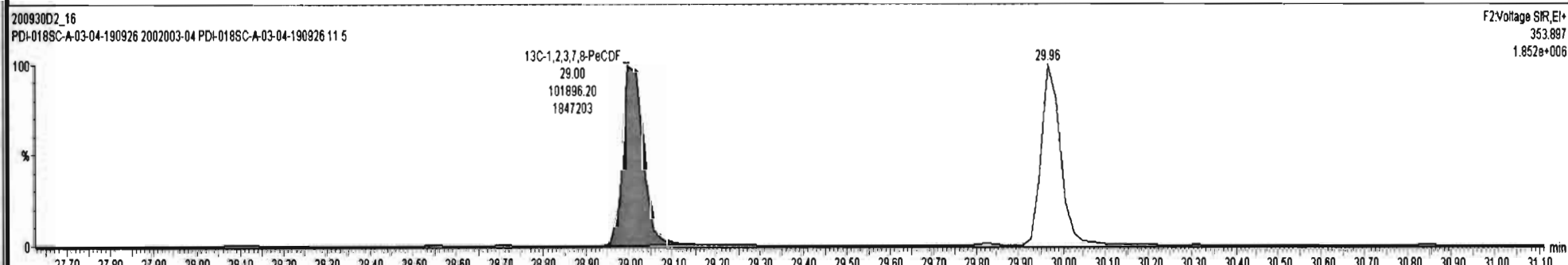
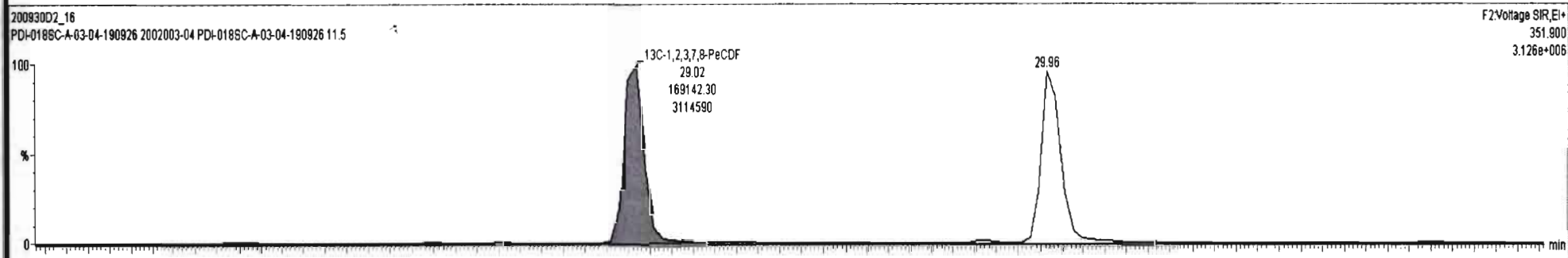
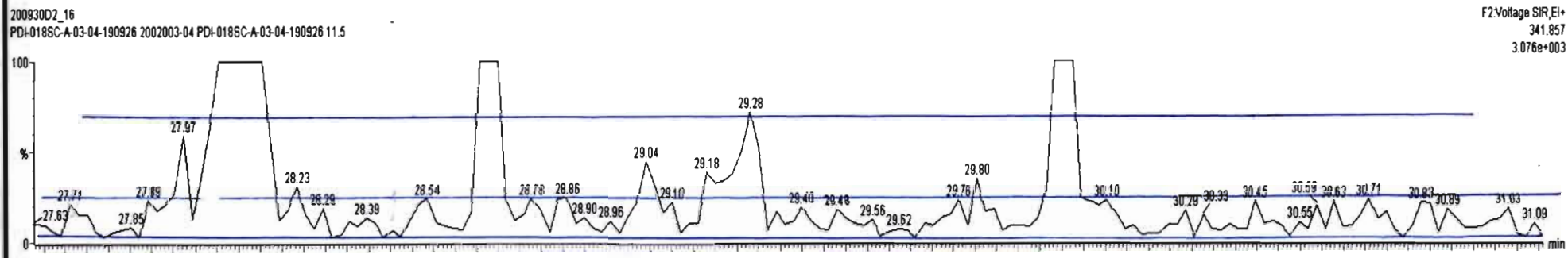
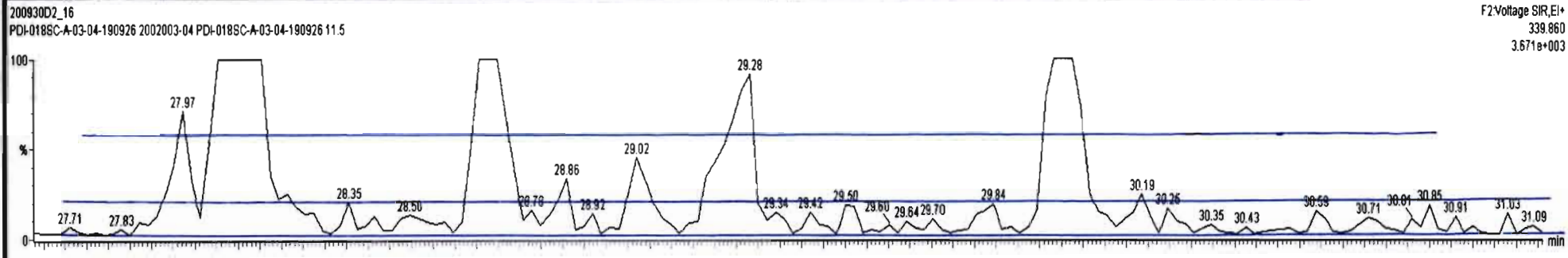


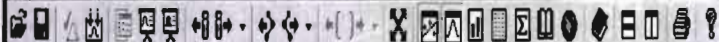
DPE2

200930D2_16

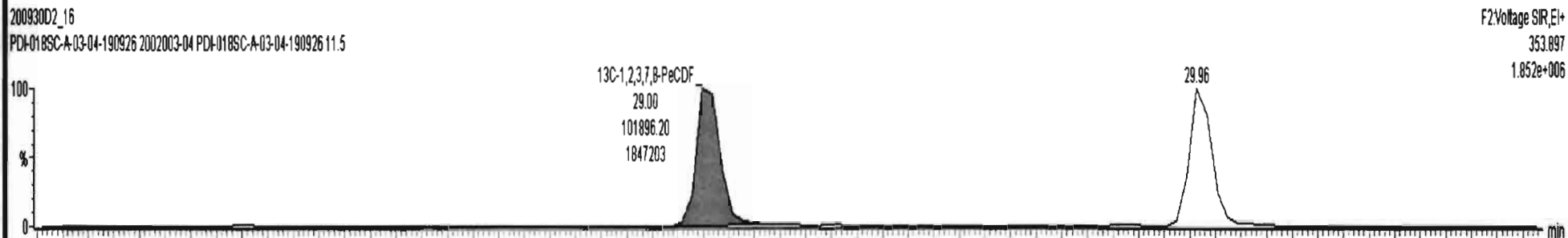
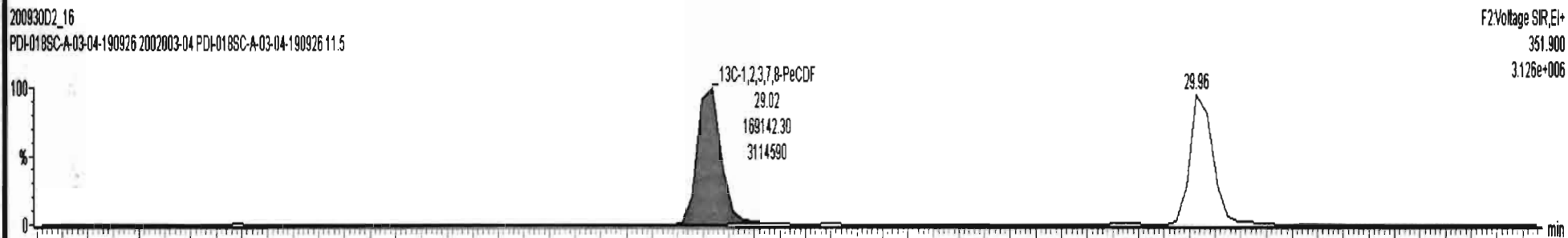
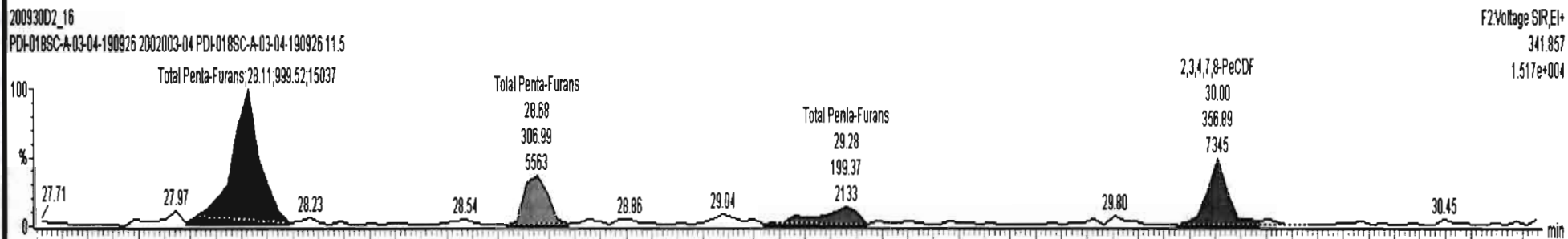
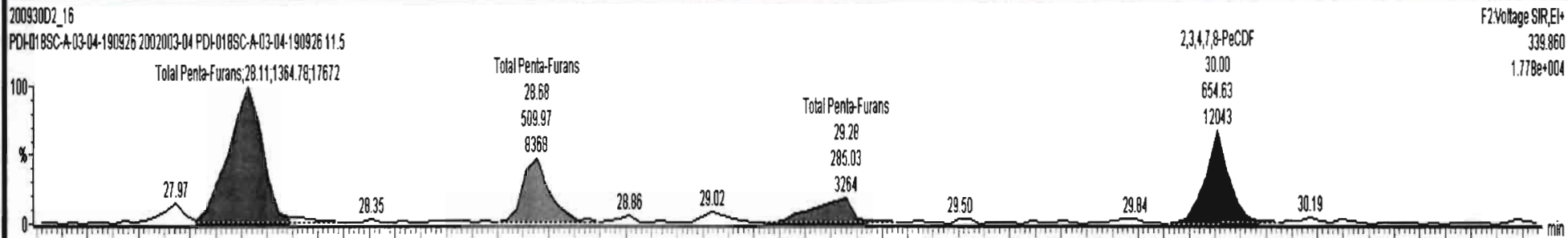


20093002_16 - 20020304.FID+1.60-A-304.FID+1.60-FL+1.60-A-304.FID





20093002_16 - 2002003-04-PDI-018SC-A-03-04-190926 11.5 - PDI-018SC-A-03-04-190926



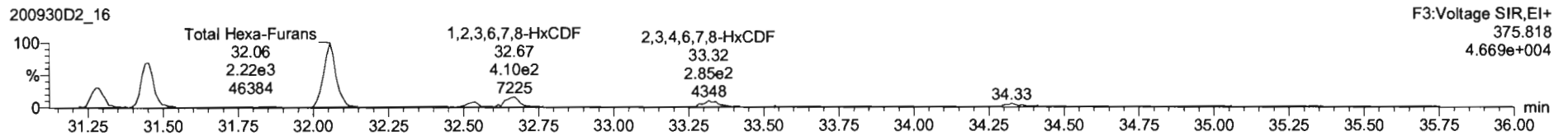
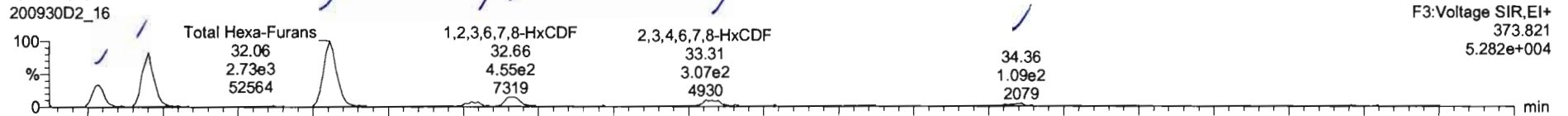
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Last Altered: Thursday, October 01, 2020 10:56:14 Pacific Daylight Time

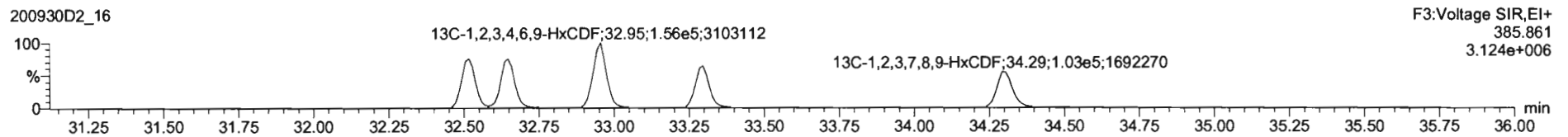
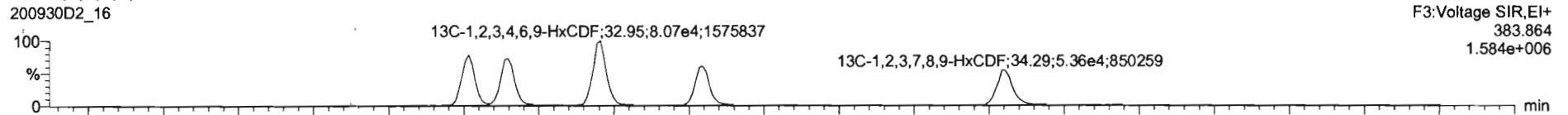
Printed: Thursday, October 01, 2020 10:57:09 Pacific Daylight Time

Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

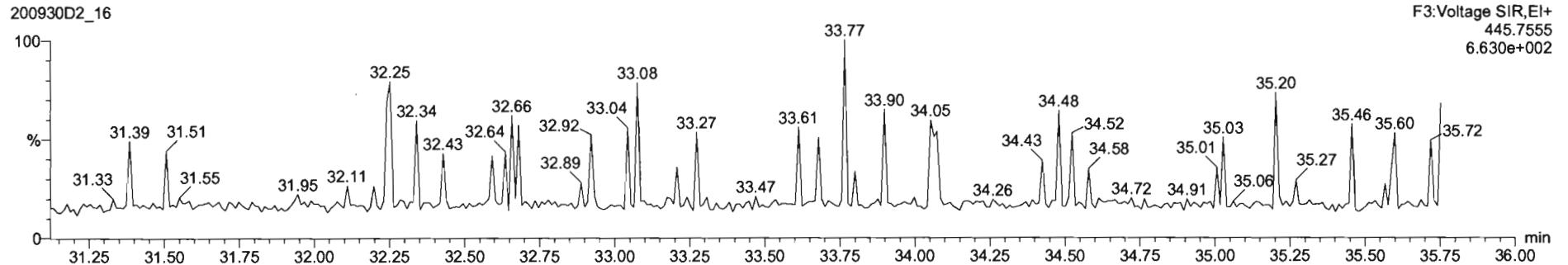
1,2,3,4,7,8-HxCDF

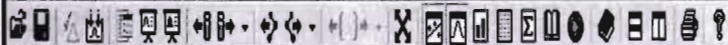


13C-1,2,3,4,7,8-HxCDF

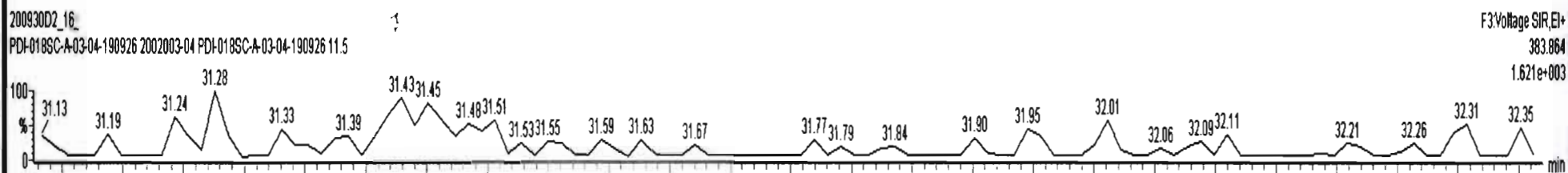
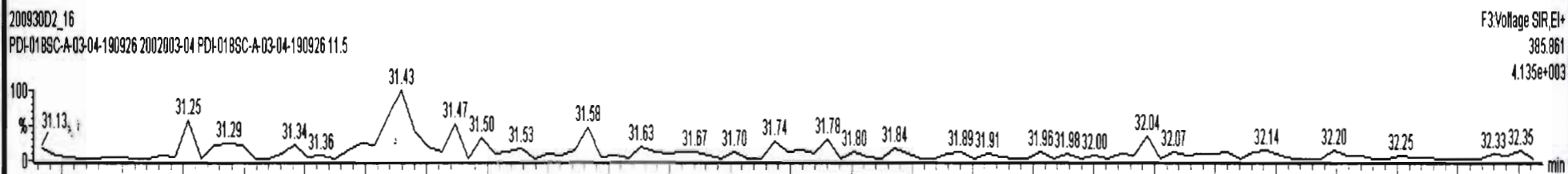
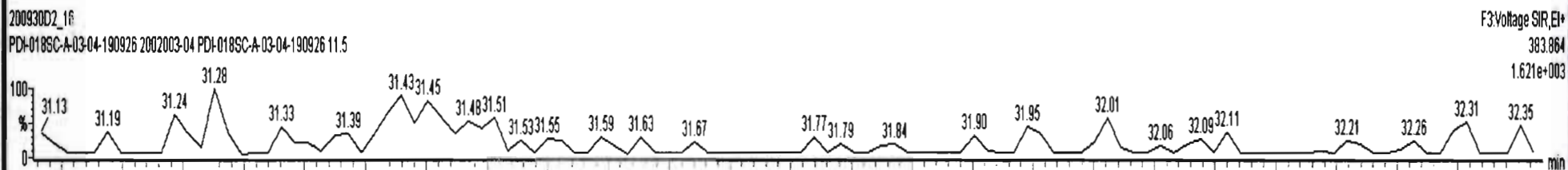


DPE3



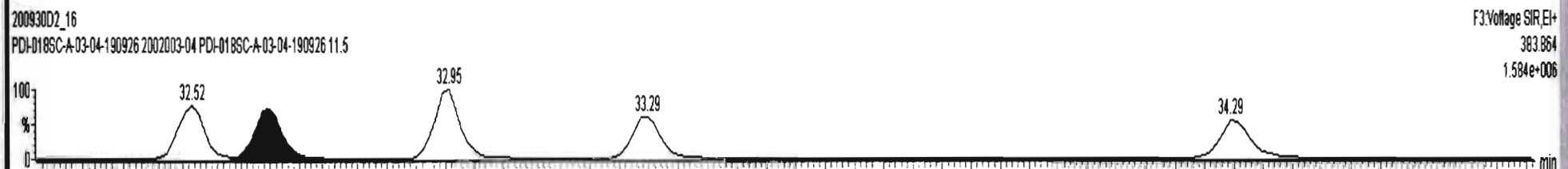
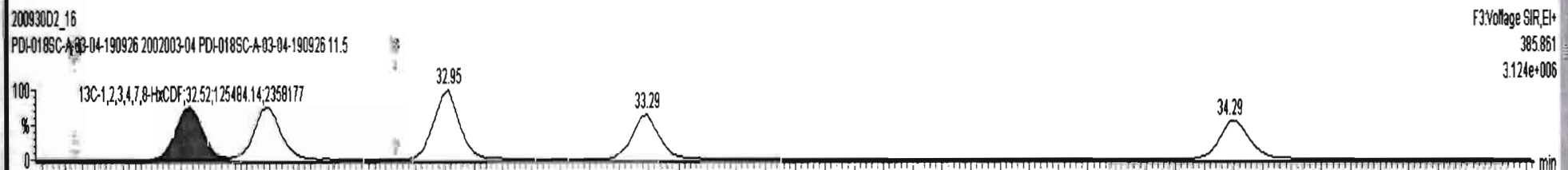
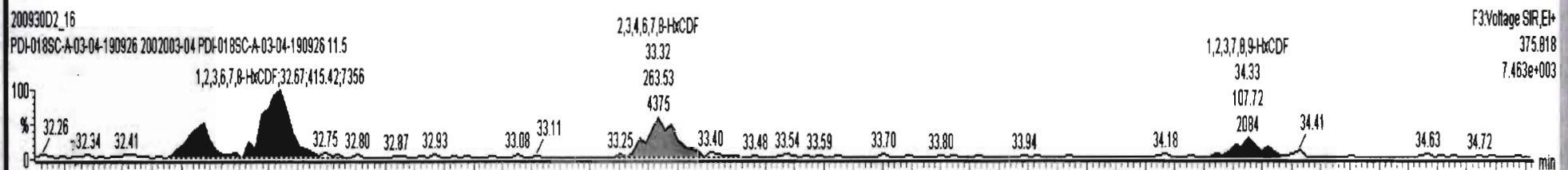
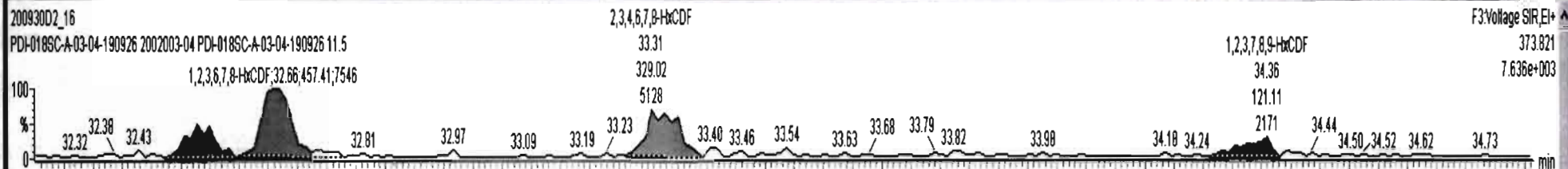


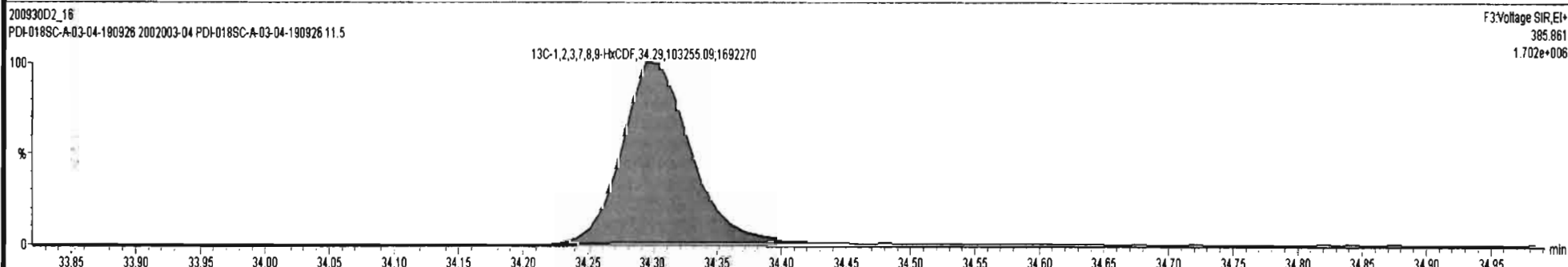
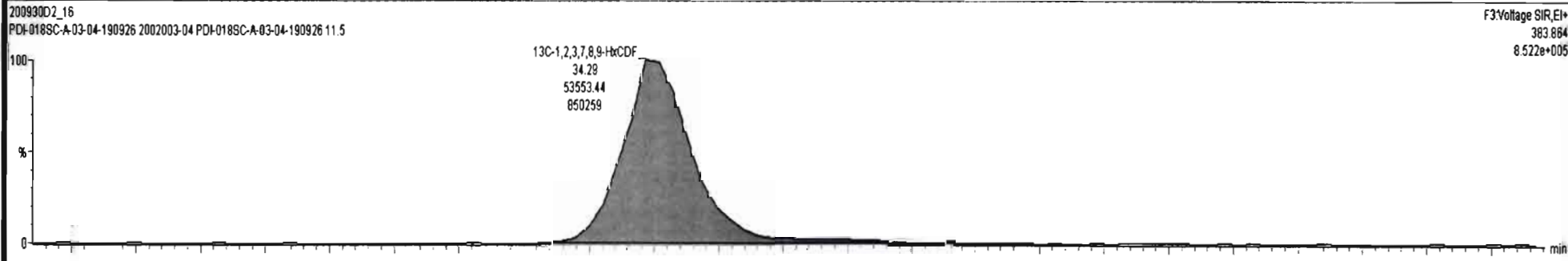
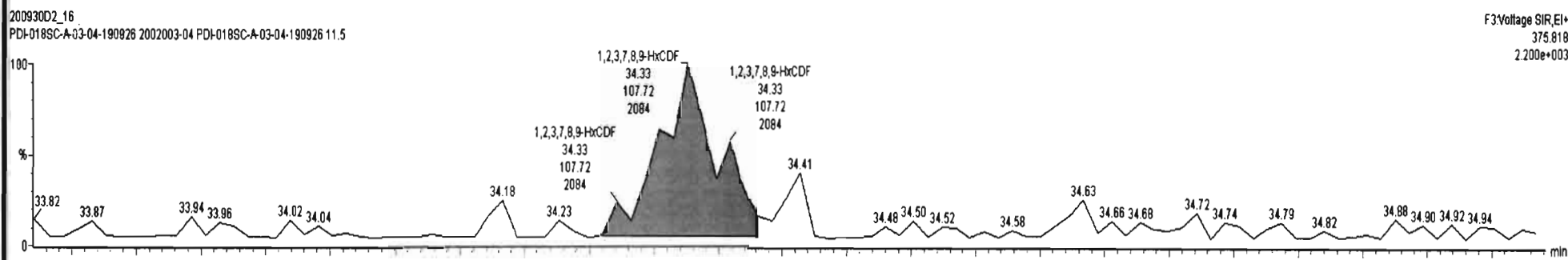
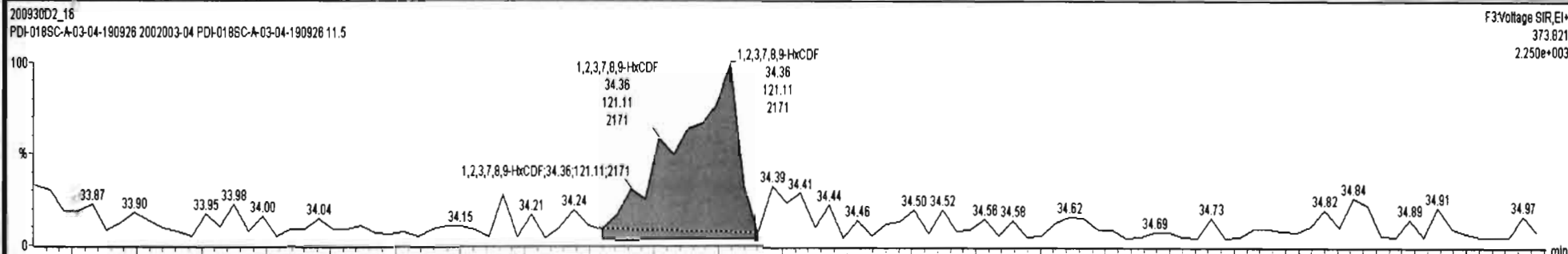
20093002_16 - 2002003-04 PDI-018SC-A-03-04-190926 11.5 - PDI-018SC-A-03-04-190926





20093002_16 - 2002003-04 PDI-018SC-A-03-04-190926 11.5 - PDI-018SC-A-03-04-190926





Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

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Printed: Thursday, October 01, 2020 10:57:09 Pacific Daylight Time

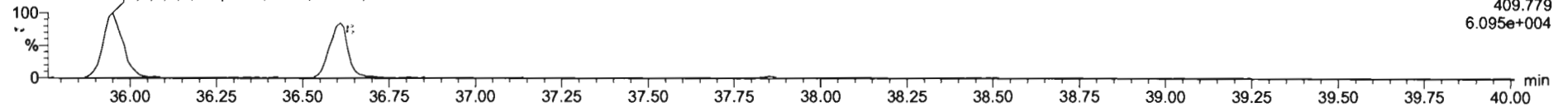
Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

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

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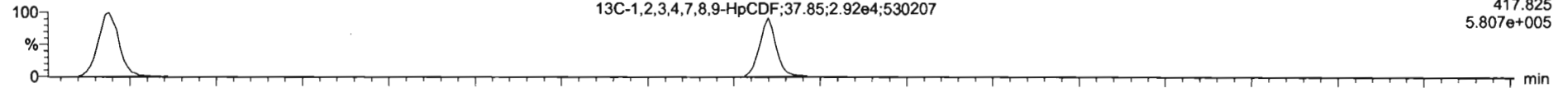
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13C-1,2,3,4,6,7,8-HpCDF

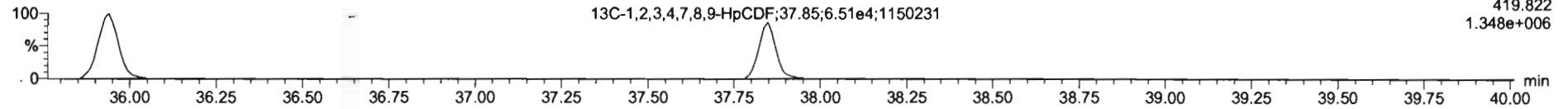
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200930D2_16

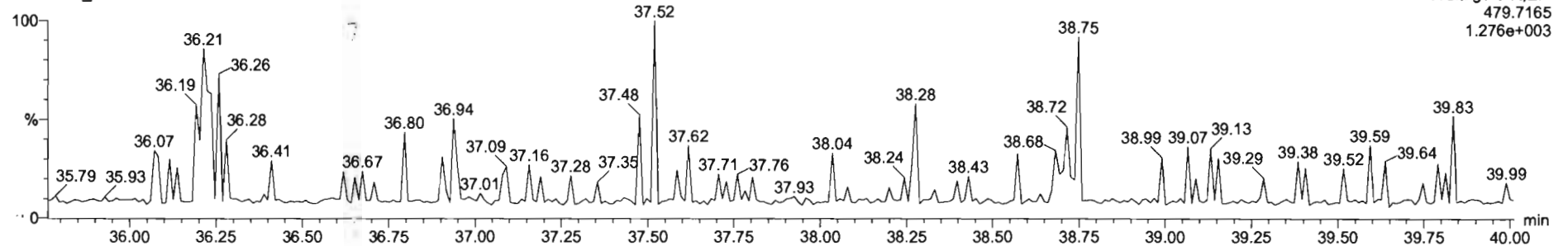
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DPE4

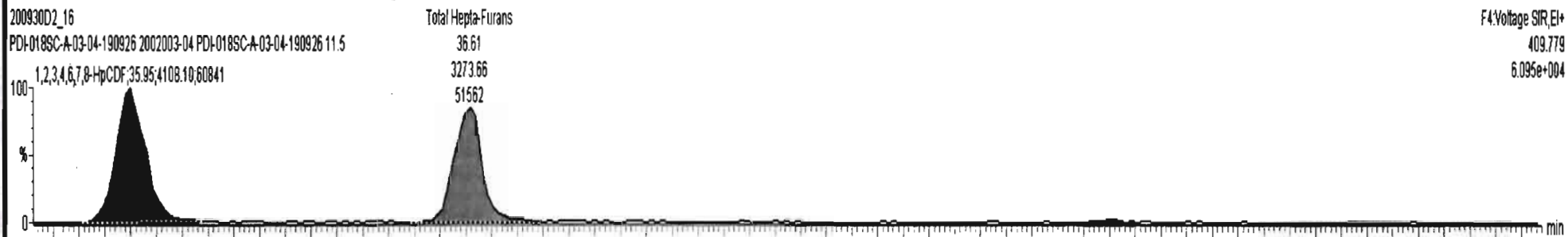
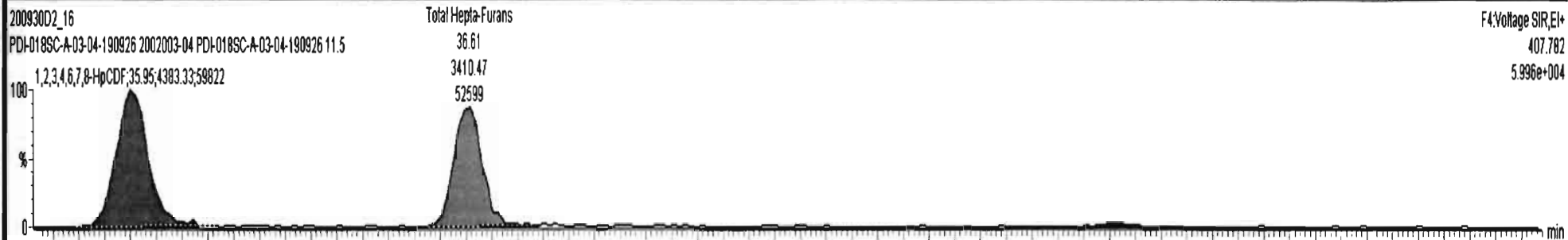
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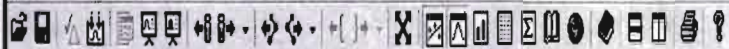
F4:Voltage SIR,EI+
479.7165
1.276e+003



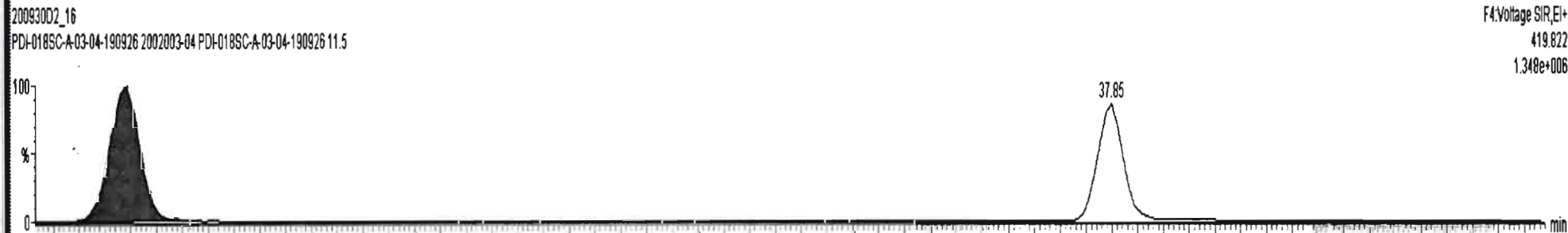
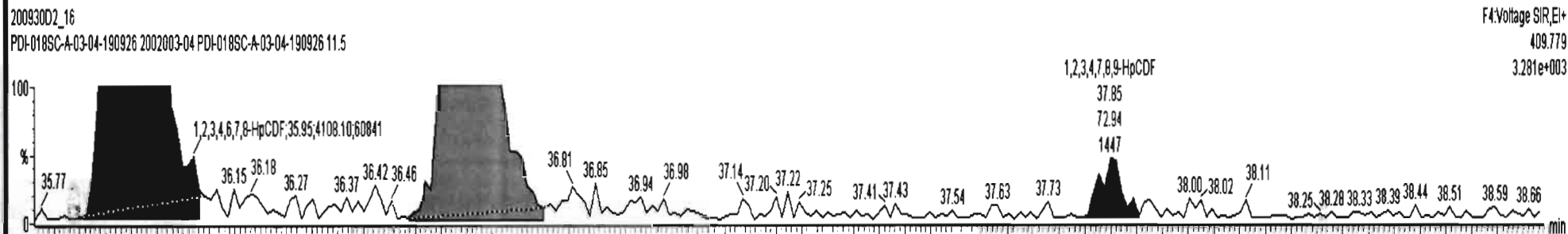
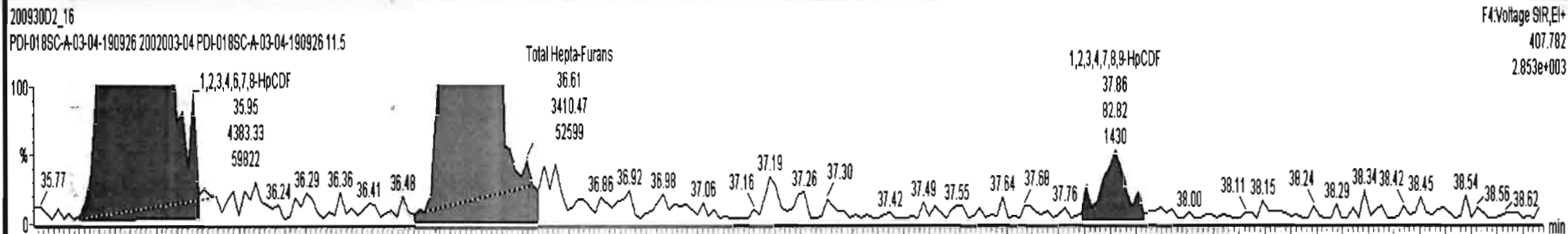


20093002_16 - 2002003-04 PDH-018SC-A-03-04-190926 11.5 - PDH-018SC-A-03-04-190926





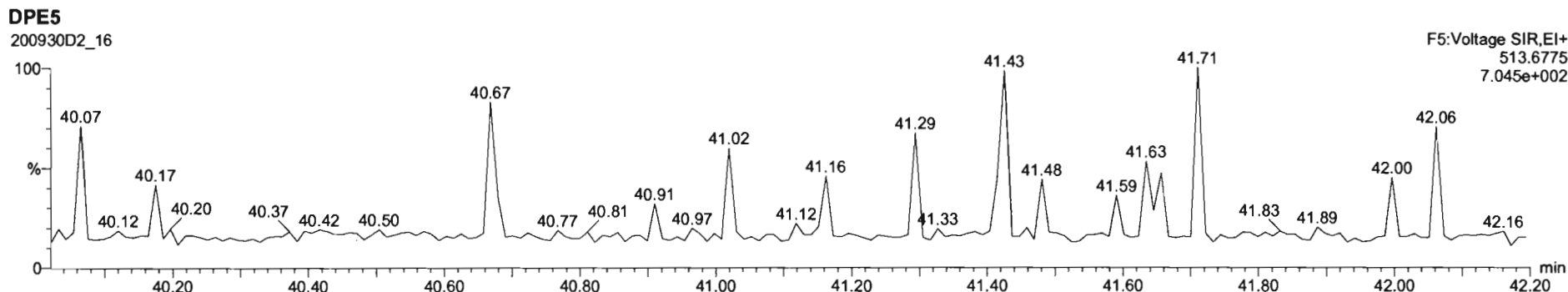
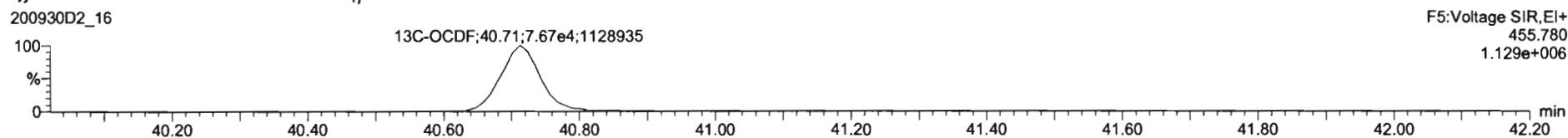
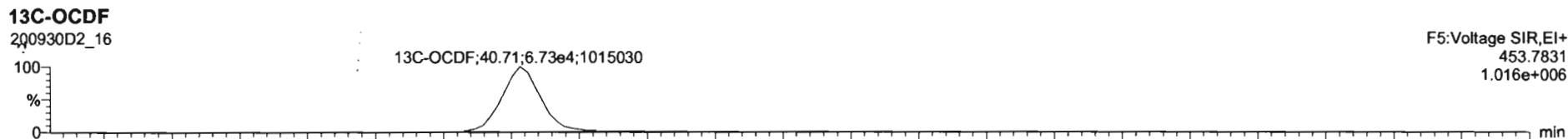
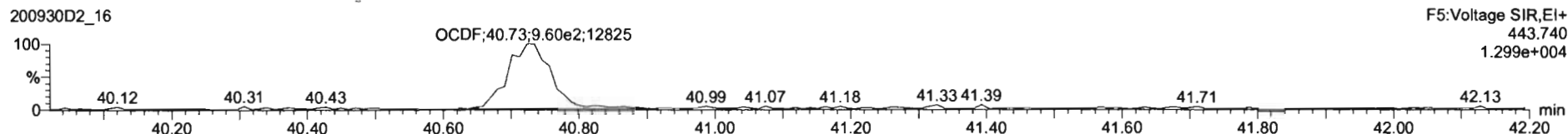
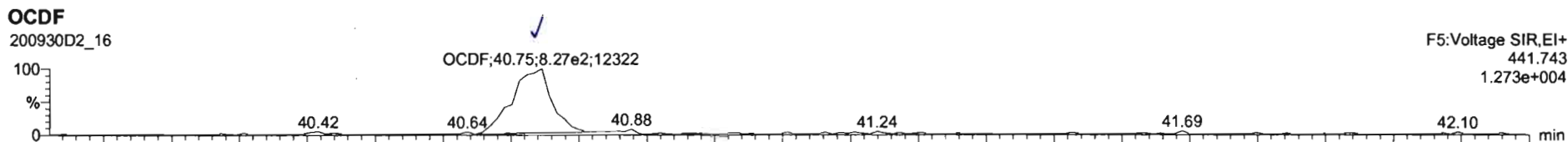
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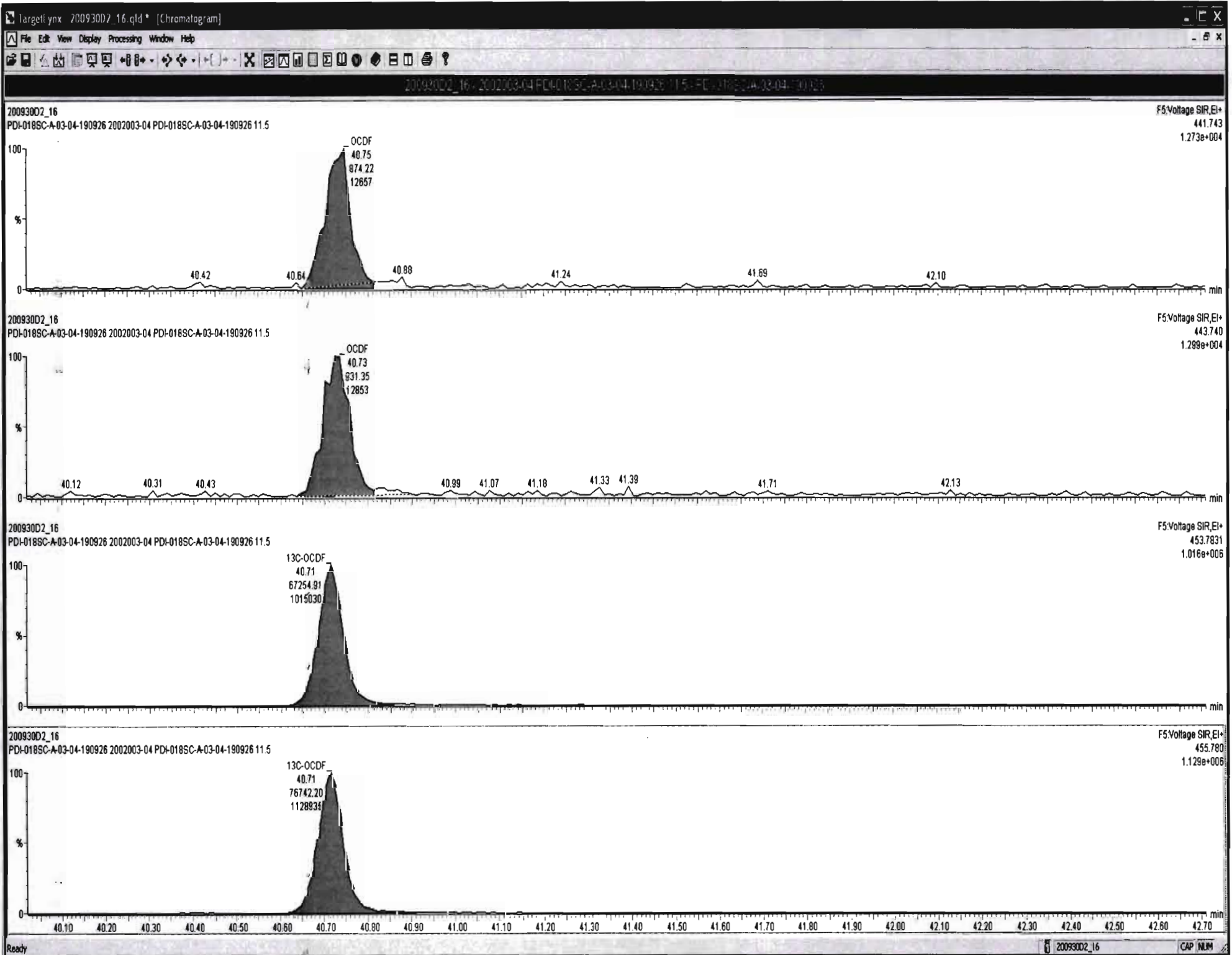


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

Last Altered: Thursday, October 01, 2020 10:56:14 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:57:09 Pacific Daylight Time

Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926

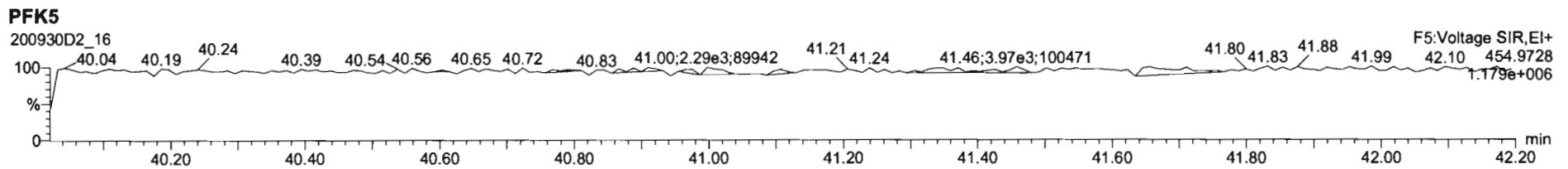
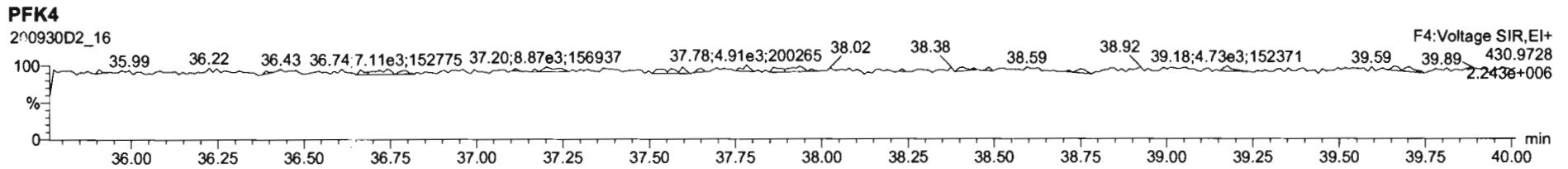
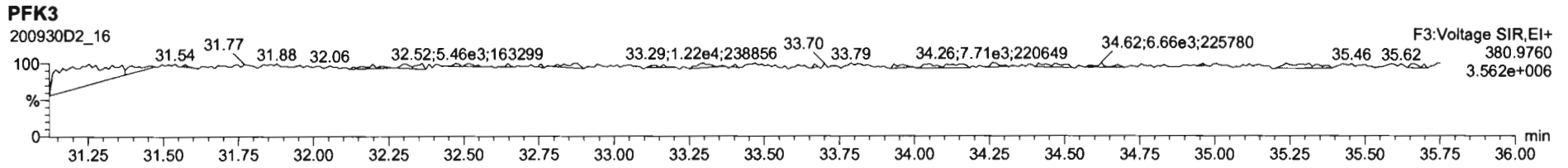
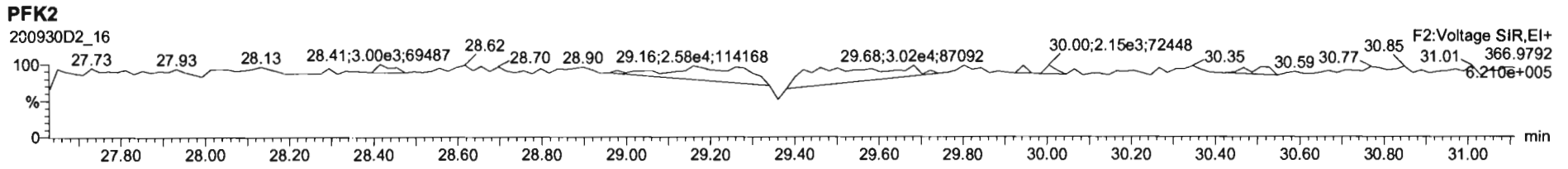
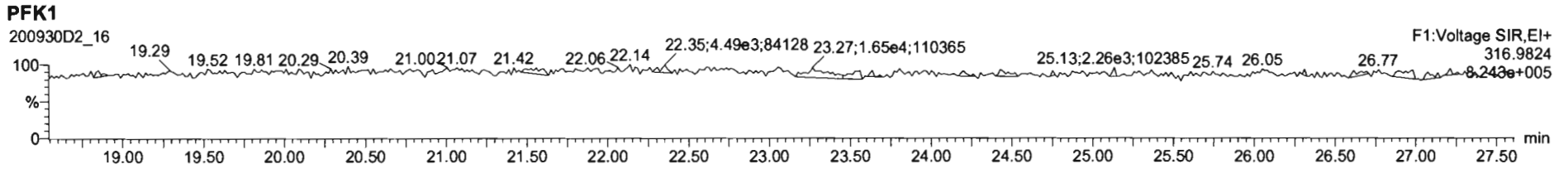




Dataset: U:\VG7.PRO\Results\200930D2\200930D2_16.qld

Last Altered: Thursday, October 01, 2020 10:56:14 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:57:09 Pacific Daylight Time

Name: 200930D2_16, Date: 01-Oct-2020, Time: 00:15:48, ID: 2002003-04 PDI-018SC-A-03-04-190926 11.5, Description: PDI-018SC-A-03-04-190926



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_17.qld

Last Altered: Friday, October 02, 2020 12:24:49 PM Pacific Daylight Time
Printed: Friday, October 02, 2020 12:26:15 PM Pacific Daylight Time

DB 10/2/20 C-1 10/05/2020

Method: Untitled 11 Sep 2020 15:14:27

Callibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_17, Date: 01-Oct-2020, Time: 01:01:11, ID: 2002003-05 PDI-018SC-A-04-05-190926 10.06, Description: PDI-018SC-A-04-05-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	1.00	7.090	25.837		1.001				0.121	
2	2 1,2,3,7,8-PeCDD			NO	0.935	7.090	30.187		1.001				0.211	
3	3 1,2,3,4,7,8-HxCDD			NO	1.15	7.090	33.404		1.000				0.161	
4	4 1,2,3,6,7,8-HxCDD	3.87e2	1.20	NO	1.02	7.090	33.514	33.55	1.000	1.001	0.59349		0.156	0.593
5	5 1,2,3,7,8,9-HxCDD	1.73e2	1.33	NO	1.06	7.090	33.834	33.81	1.001	1.000	0.25809		0.168	0.258
6	6 1,2,3,4,6,7,8-HpCDD	5.84e3	1.04	NO	1.00	7.090	37.201	37.20	1.000	1.000	10.662		0.464	10.7
7	7 OCDD	5.91e4	0.90	NO	0.952	7.090	40.395	40.40	1.000	1.000	165.60		0.486	166
8	8 2,3,7,8-TCDF	3.28e2	0.95	YES	1.01	7.090	25.173	25.16	1.001	1.001	0.22367		0.137	0.204
9	9 1,2,3,7,8-PeCDF			NO	0.998	7.090	29.018		1.001				0.142	
10	10 2,3,4,7,8-PeCDF	1.28e3	1.37	NO	1.07	7.090	29.994	29.98	1.001	1.001	1.1146		0.139	1.11
11	11 1,2,3,4,7,8-HxCDF	4.87e2	1.06	NO	1.05	7.090	32.505	32.53	1.000	1.001	0.55481		0.183	0.555
12	12 1,2,3,6,7,8-HxCDF	2.37e3	1.23	NO	1.10	7.090	32.647	32.65	1.000	1.000	2.6032		0.177	2.60
13	13 2,3,4,6,7,8-HxCDF	8.87e2	1.29	NO	1.09	7.090	33.317	33.32	1.001	1.001	1.0651		0.202	1.07
14	14 1,2,3,7,8,9-HxCDF			NO	1.08	7.090	34.293		1.000				0.240	
15	15 1,2,3,4,6,7,8-HpCDF	1.33e4	1.02	NO	1.13	7.090	35.965	35.94	1.001	1.000	18.307		0.238	18.3
16	16 1,2,3,4,7,8,9-HpCDF	1.84e2	1.41	YES	1.29	7.090	37.838	37.86	1.000	1.001	0.29007		0.241	0.245
17	17 OCDF	2.85e3	0.96	NO	0.953	7.090	40.702	40.71	1.000	1.000	6.6071		0.262	6.61
18	18 13C-2,3,7,8-TCDD	2.69e5	0.76	NO	1.17	7.090	25.786	25.81	1.026	1.027	285.69	101	0.599	
19	19 13C-1,2,3,7,8-PeCDD	2.00e5	0.62	NO	0.914	7.090	29.974	30.17	1.193	1.200	272.62	96.6	0.419	
20	20 13C-1,2,3,4,7,8-HxCDD	1.64e5	1.30	NO	0.634	7.090	33.394	33.39	1.014	1.014	288.22	102	0.824	
21	21 13C-1,2,3,6,7,8-HxCDD	1.80e5	1.28	NO	0.724	7.090	33.503	33.51	1.017	1.018	276.30	97.9	0.720	
22	22 13C-1,2,3,7,8,9-HxCDD	1.78e5	1.23	NO	0.716	7.090	33.769	33.80	1.025	1.026	276.58	98.0	0.729	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.54e5	1.06	NO	0.660	7.090	37.181	37.19	1.129	1.129	260.04	92.2	1.23	
24	24 13C-OCDD	2.11e5	0.89	NO	0.587	7.090	40.159	40.40	1.219	1.227	401.00	71.1	0.912	
25	25 13C-2,3,7,8-TCDF	4.08e5	0.75	NO	1.02	7.090	24.882	25.15	0.990	1.001	291.33	103	0.659	
26	26 13C-1,2,3,7,8-PeCDF	3.18e5	1.59	NO	0.842	7.090	29.046	29.00	1.156	1.154	275.43	97.6	0.645	
27	27 13C-2,3,4,7,8-PeCDF	3.01e5	1.66	NO	0.802	7.090	29.933	29.96	1.191	1.192	274.16	97.2	0.678	
28	28 13C-1,2,3,4,7,8-HxCDF	2.36e5	0.51	NO	1.00	7.090	32.538	32.51	0.988	0.987	261.41	92.7	0.838	
29	29 13C-1,2,3,6,7,8-HxCDF	2.33e5	0.51	NO	1.02	7.090	32.670	32.64	0.992	0.991	254.59	90.2	0.825	
30	30 13C-2,3,4,6,7,8-HxCDF	2.16e5	0.50	NO	0.955	7.090	33.233	33.28	1.009	1.011	251.75	89.2	0.880	
31	31 13C-1,2,3,7,8,9-HxCDF	2.04e5	0.49	NO	0.851	7.090	34.296	34.29	1.041	1.041	266.98	94.6	0.988	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_17.qld

Last Altered: Friday, October 02, 2020 12:24:49 PM Pacific Daylight Time

Printed: Friday, October 02, 2020 12:26:15 PM Pacific Daylight Time

Name: 200930D2_17, Date: 01-Oct-2020, Time: 01:01:11, ID: 2002003-05 PDI-018SC-A-04-05-190926 10.06, Description: PDI-018SC-A-04-05-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.82e5	0.43	NO	0.848	7.090	35.798	35.93	1.087	1.091	235.45	84.5	0.982	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.39e5	0.46	NO	0.624	7.090	37.774	37.84	1.147	1.149	248.18	88.0	1.33	
34	34 13C-OCDF	2.55e5	0.86	NO	0.730	7.090	40.310	40.70	1.224	1.236	389.40	69.0	0.659	
35	35 37Cl-2,3,7,8-TCDD	1.31e5			1.21	7.090	25.784	25.82	1.026	1.027	135.23	120	0.140	
36	36 13C-1,2,3,4-TCDD	2.27e5	0.80	NO	1.00	7.090	25.260	25.13	1.000	1.000	282.11	100	0.702	
37	37 13C-1,2,3,4-TCDF	3.87e5	0.79	NO	1.00	7.090	23.930	23.80	1.000	1.000	282.11	100	0.674	
38	38 13C-1,2,3,4,6,9-HxCDF	2.54e5	0.51	NO	1.00	7.090	32.990	32.93	1.000	1.000	282.11	100	0.841	
39	39 Total Tetra-Dioxins				1.00	7.090	24.620		0.000				0.0665	
40	40 Total Penta-Dioxins				0.935	7.090	29.960		0.000		0.57309		0.211	0.573
41	41 Total Hexa-Dioxins				1.02	7.090	33.635		0.000		4.3970		0.170	4.68
42	42 Total Hepta-Dioxins				1.00	7.090	37.640		0.000		29.633		0.464	29.6
43	43 Total Tetra-Furans				1.01	7.090	23.610		0.000		4.0518		0.111	4.50
44	44 1st Func. Penta-Furans				0.998	7.090	26.750		0.000		5.7248		0.0532	5.72
45	45 Total Penta-Furans				0.998	7.090	29.275		0.000		4.2534		0.146	4.62
46	46 Total Hexa-Furans				1.09	7.090	33.555		0.000		21.520		0.198	21.5
47	47 Total Hepta-Furans				1.13	7.090	37.835		0.000		34.045		0.254	34.3

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_17.qld

Last Altered: Friday, October 02, 2020 12:24:49 PM Pacific Daylight Time

Printed: Friday, October 02, 2020 12:26:15 PM Pacific Daylight Time

Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_17, Date: 01-Oct-2020, Time: 01:01:11, ID: 2002003-05 PDI-018SC-A-04-05-190926 10.06, Description: PDI-018SC-A-04-05-190926

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	Total Penta-Dioxins	28.07	2.233e3	3.199e3	1.497e2	2.306e2	0.65	NO	3.803e2	0.57309	0.57309	0.211

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	31.79	1.494e4	1.251e4	7.246e2	6.670e2	1.09	NO	1.392e3	2.2046	2.2046	0.170
2	Total Hexa-Dioxins	32.40	2.499e3	1.734e3	1.317e2	8.061e1	1.63	YES	0.000e0	0.00000	0.28604	0.170
3	Total Hexa-Dioxins	32.67	1.633e4	1.138e4	4.687e2	3.777e2	1.24	NO	8.463e2	1.3408	1.3408	0.170
4	1,2,3,6,7,8-HxCDD	33.55	3.487e3	3.660e3	2.114e2	1.759e2	1.20	NO	3.873e2	0.59349	0.59349	0.156
5	1,2,3,7,8,9-HxCDD	33.81	1.917e3	1.194e3	9.850e1	7.418e1	1.33	NO	1.727e2	0.25809	0.25809	0.168

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.31	7.499e4	7.852e4	5.293e3	5.100e3	1.04	NO	1.039e4	18.971	18.971	0.464
2	1,2,3,4,6,7,8-HpCDD	37.20	5.506e4	5.042e4	2.973e3	2.869e3	1.04	NO	5.841e3	10.662	10.662	0.464

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_17.qld

Last Altered: Friday, October 02, 2020 12:24:49 PM Pacific Daylight Time

Printed: Friday, October 02, 2020 12:26:15 PM Pacific Daylight Time

Name: 200930D2_17, Date: 01-Oct-2020, Time: 01:01:11, ID: 2002003-05 PDI-018SC-A-04-05-190926 10.06, Description: PDI-018SC-A-04-05-190926

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.93	2.022e3	2.226e3	1.679e2	1.909e2	0.88	NO	0.000e0	0.00000	0.24484	0.111
2	Total Tetra-Furans	21.65	1.292e4	1.585e4	1.145e3	1.401e3	0.82	NO	2.546e3	1.7374	1.7374	0.111
3	Total Tetra-Furans	22.47	5.807e3	7.923e3	4.124e2	5.536e2	0.75	NO	9.660e2	0.65917	0.65917	0.111
4	Total Tetra-Furans	22.89	6.747e3	1.059e4	5.422e2	7.062e2	0.77	NO	1.248e3	0.85189	0.85189	0.111
5	Total Tetra-Furans	23.85	7.122e3	9.169e3	5.367e2	6.406e2	0.84	NO	1.177e3	0.80338	0.80338	0.111
6	2,3,7,8-TCDF	25.16	2.652e3	2.911e3	1.595e2	1.686e2	0.95	YES	3.281e2	0.00000	0.20365	0.111

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.62	6.426e4	4.227e4	3.857e3	2.410e3	1.60	NO	6.267e3	5.7248	5.7248	0.0532

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.09	1.825e4	1.377e4	1.454e3	1.073e3	1.35	NO	2.527e3	2.3084	2.3084	0.146
2	Total Penta-Furans	28.66	9.624e3	5.813e3	5.552e2	3.539e2	1.57	NO	9.091e2	0.83040	0.83040	0.146
3	Total Penta-Furans	29.24	4.595e3	1.801e3	2.916e2	1.580e2	1.85	YES	0.000e0	0.00000	0.36811	0.146
4	2,3,4,7,8-PeCDF	29.98	1.346e4	9.475e3	7.390e2	5.394e2	1.37	NO	1.278e3	1.1146	1.1146	0.139

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.26	2.454e4	1.925e4	1.127e3	8.755e2	1.29	NO	2.003e3	2.3377	2.3377	0.198
2	Total Hexa-Furans	31.43	6.419e4	4.858e4	3.087e3	2.270e3	1.36	NO	5.357e3	6.2525	6.2525	0.198
3	Total Hexa-Furans	32.04	8.124e4	6.394e4	4.203e3	3.256e3	1.29	NO	7.459e3	8.7062	8.7062	0.198
4	1,2,3,4,7,8-HxCDF	32.53	4.813e3	4.632e3	2.502e2	2.369e2	1.06	NO	4.872e2	0.55481	0.55481	0.183
5	1,2,3,6,7,8-HxCDF	32.65	2.203e4	2.255e4	1.305e3	1.060e3	1.23	NO	2.365e3	2.6032	2.6032	0.177
6	2,3,4,6,7,8-HxCDF	33.32	8.782e3	7.463e3	4.992e2	3.880e2	1.29	NO	8.872e2	1.0651	1.0651	0.202

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_17.qld

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Printed: Friday, October 02, 2020 12:26:15 PM Pacific Daylight Time

Name: 200930D2_17, Date: 01-Oct-2020, Time: 01:01:11, ID: 2002003-05 PDI-018SC-A-04-05-190926 10.06, Description: PDI-018SC-A-04-05-190926

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	35.94	9.359e4	9.338e4	6.727e3	6.613e3	1.02	NO	1.334e4	18.307	18.307	0.238
2	Total Hepta-Furans	36.59	8.155e4	8.531e4	5.112e3	5.013e3	1.02	NO	1.013e4	15.738	15.738	0.254
3	1,2,3,4,7,8,9-HpCDF	37.86	2.088e3	1.221e3	1.079e2	7.623e1	1.41	YES	1.841e2	0.00000	0.24503	0.241

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_17.qld

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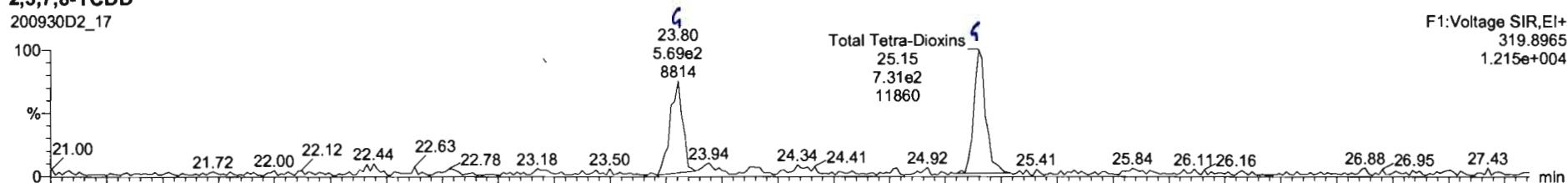
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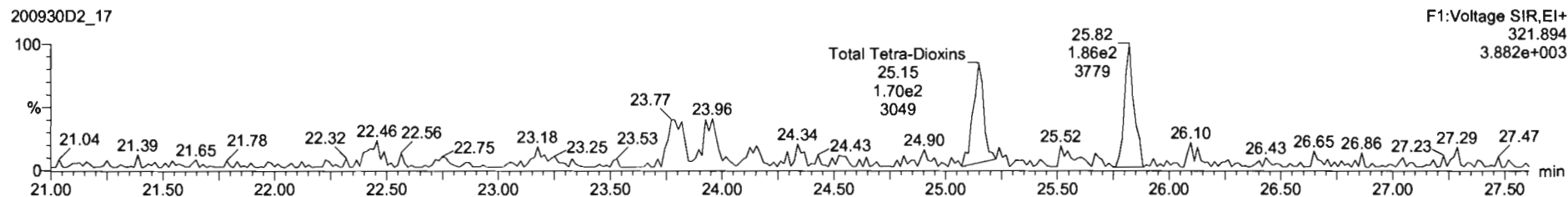
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2,3,7,8-TCDD

200930D2_17

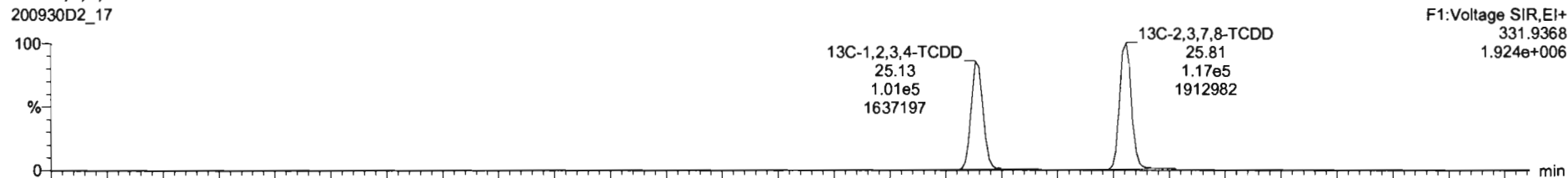


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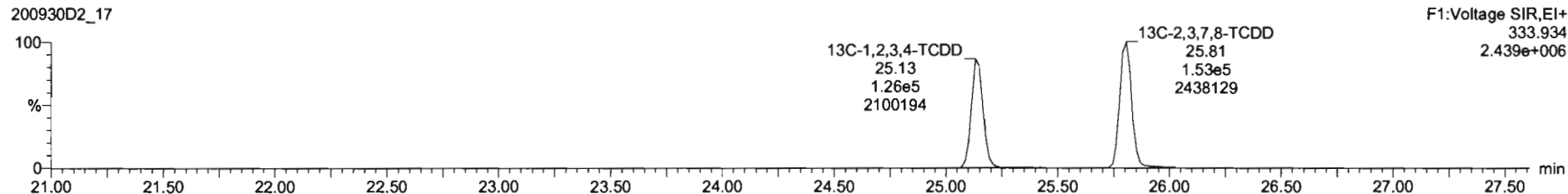


13C-2,3,7,8-TCDD

200930D2_17



200930D2_17



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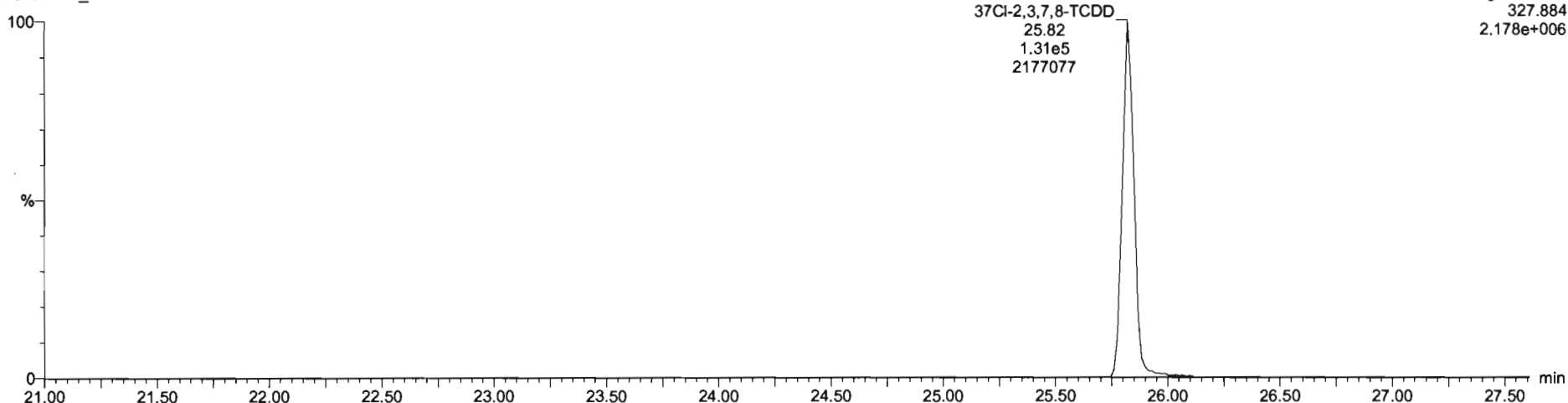
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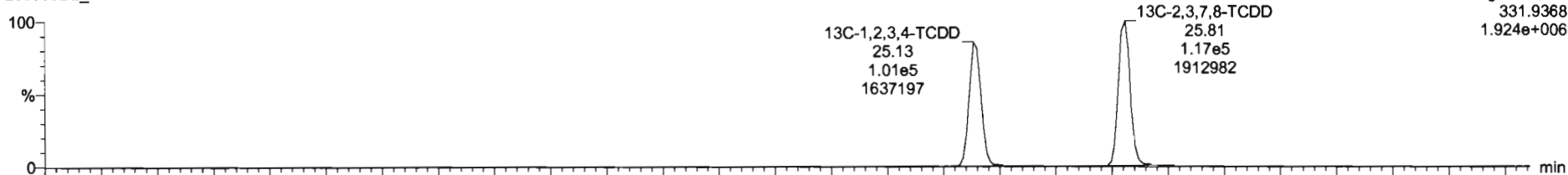
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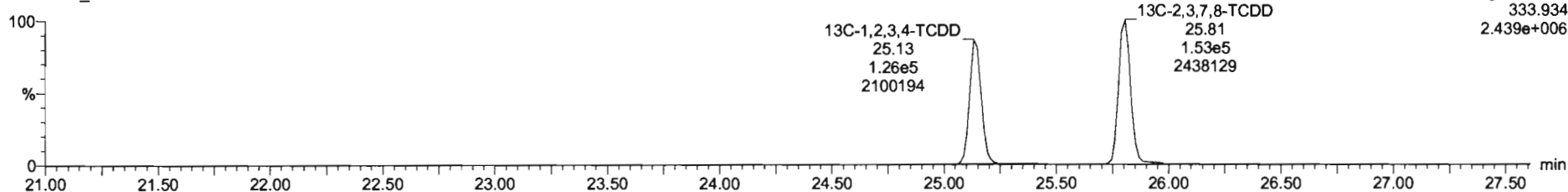


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200930D2_17



200930D2_17



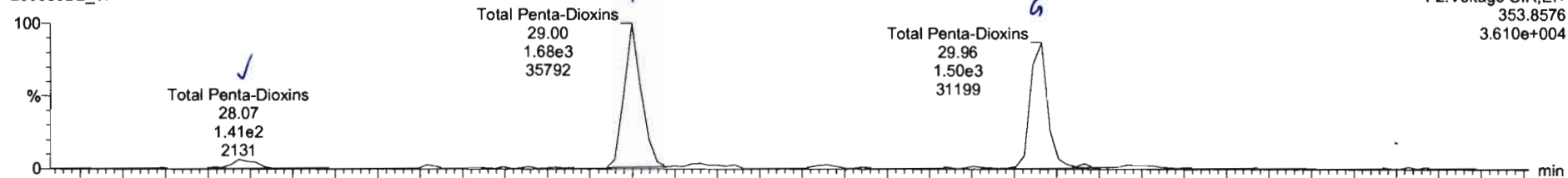
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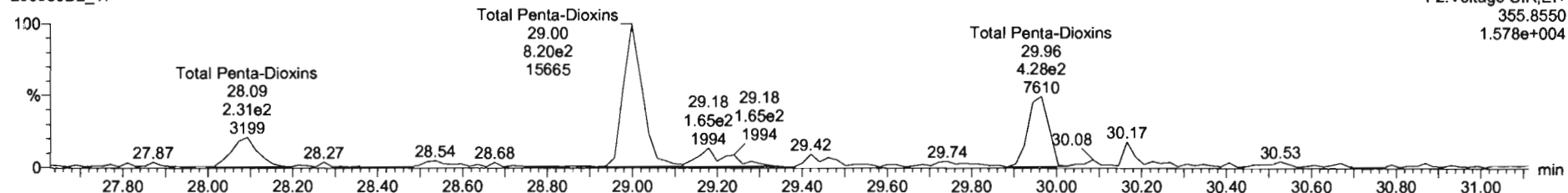
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1,2,3,7,8-PeCDD

200930D2_17

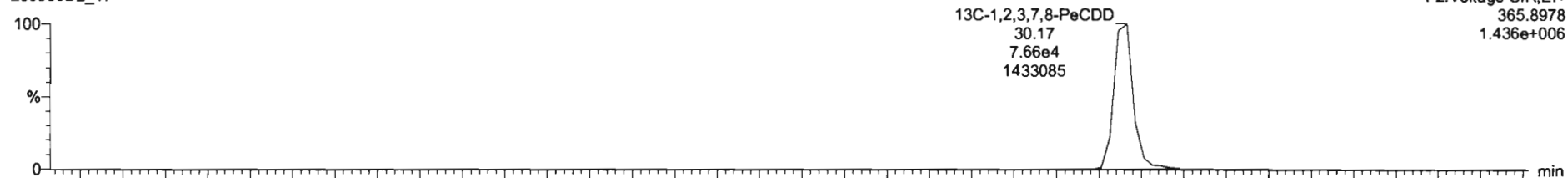


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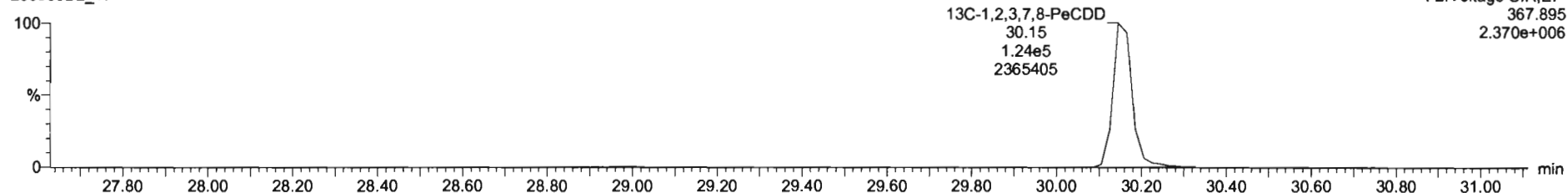


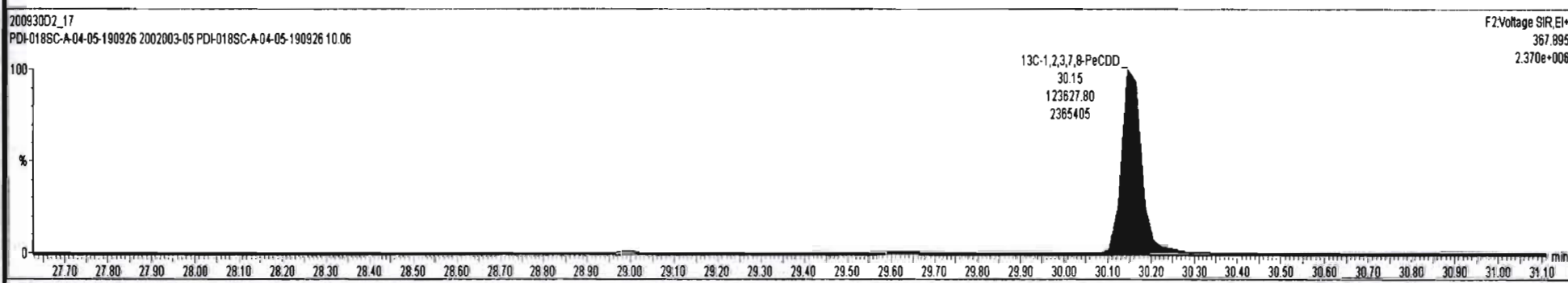
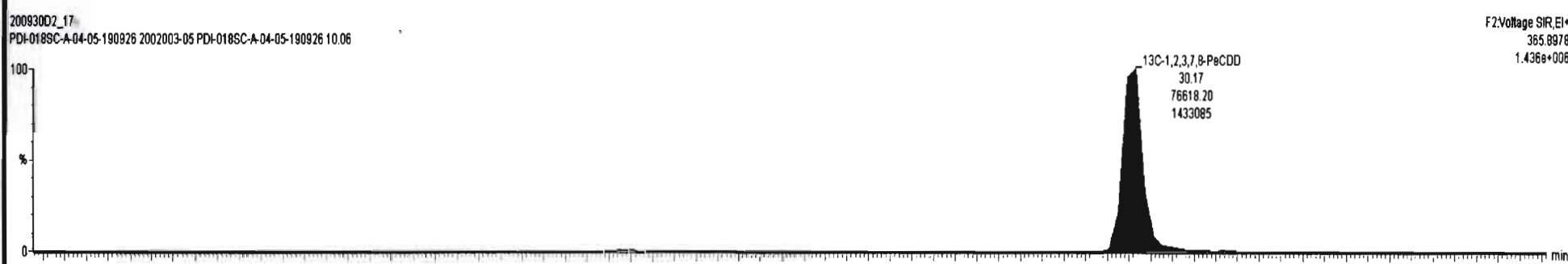
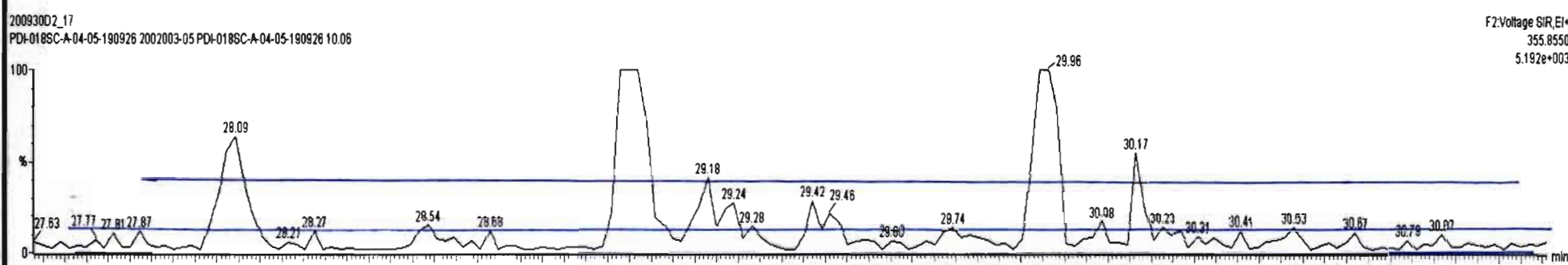
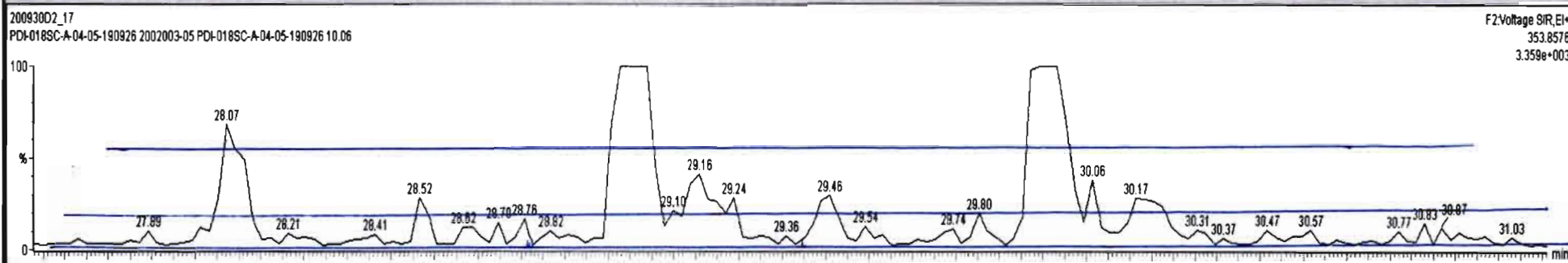
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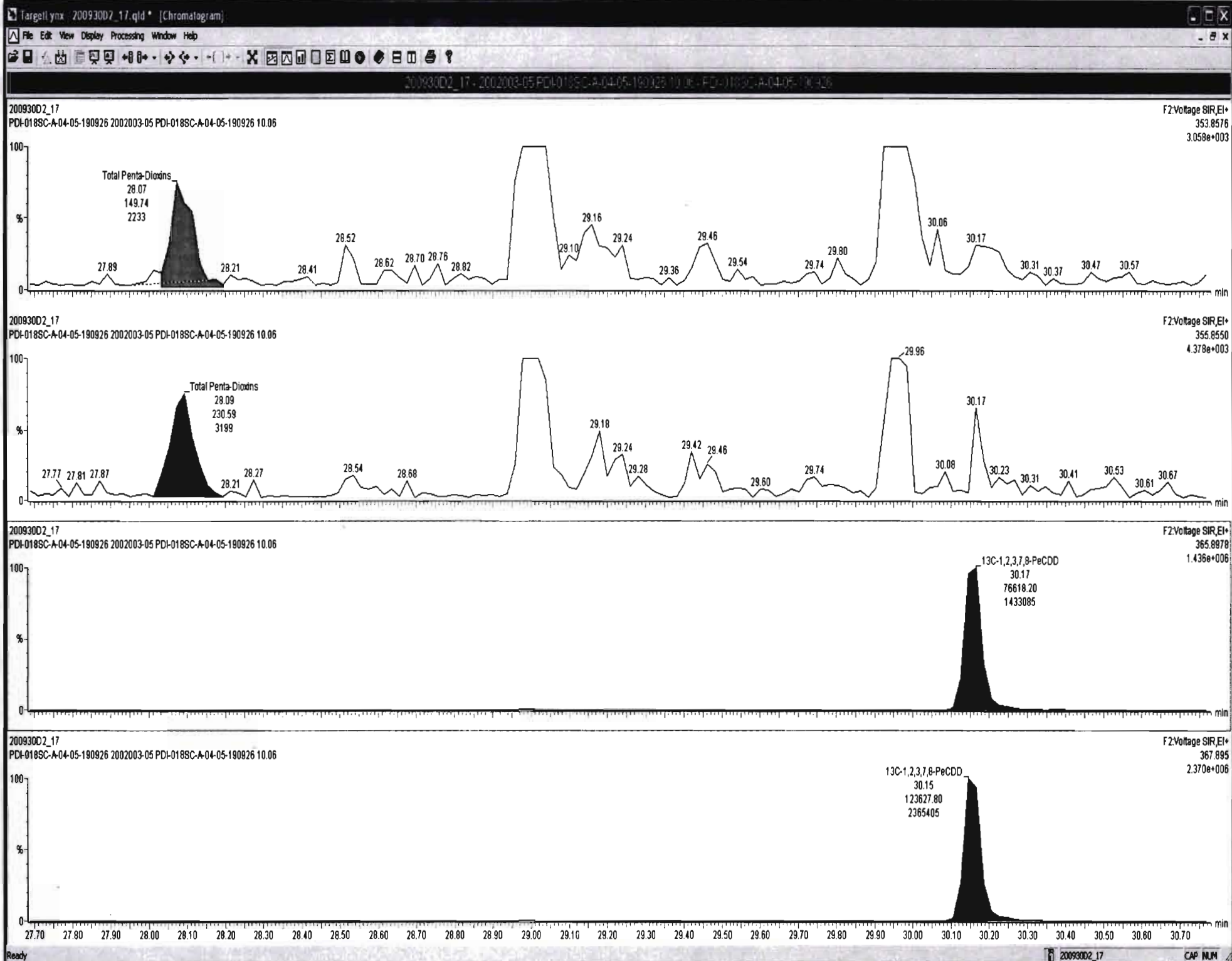
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200930D2_17







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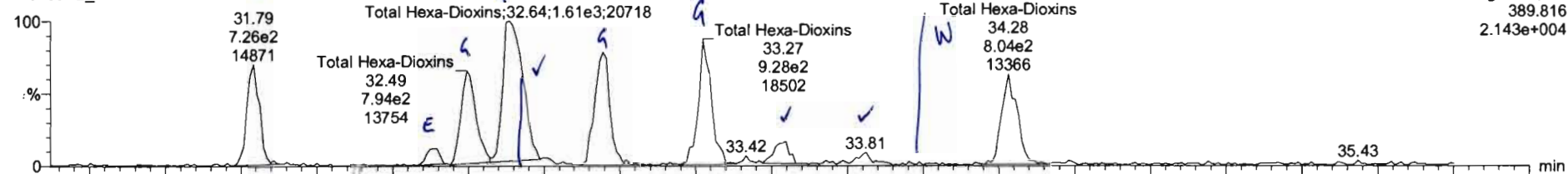
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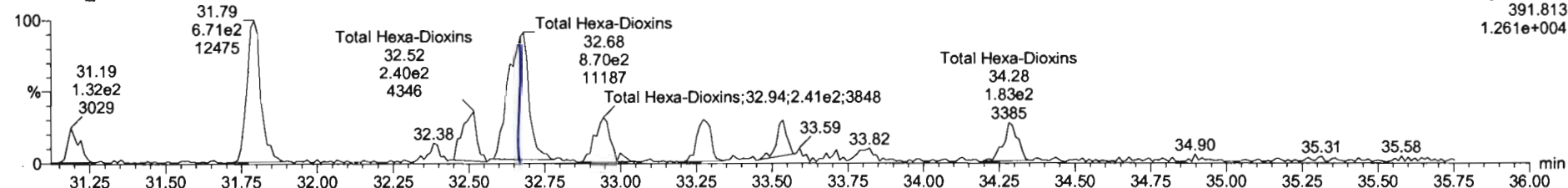
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1,2,3,4,7,8-HxCDD

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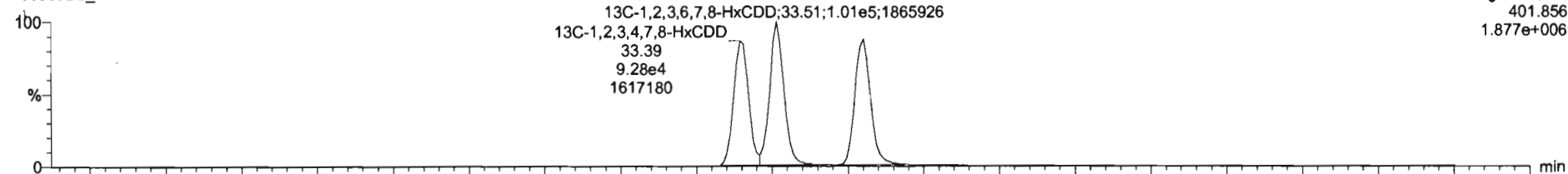


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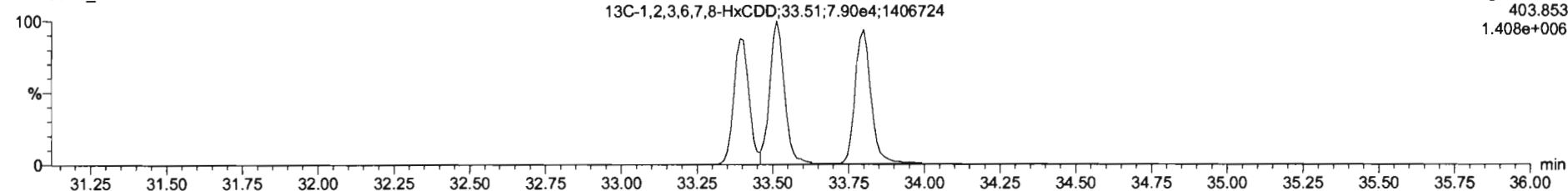


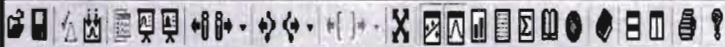
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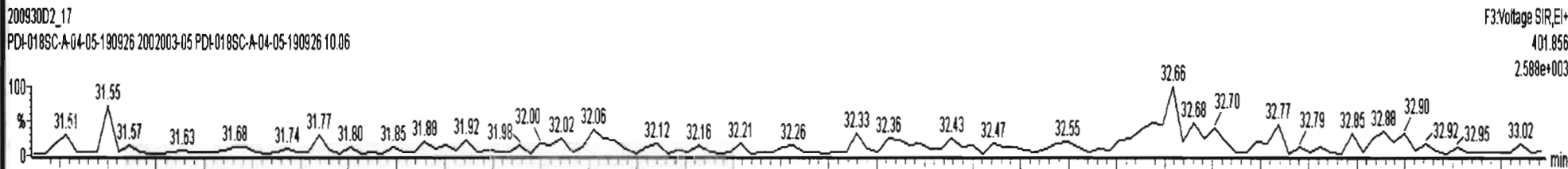
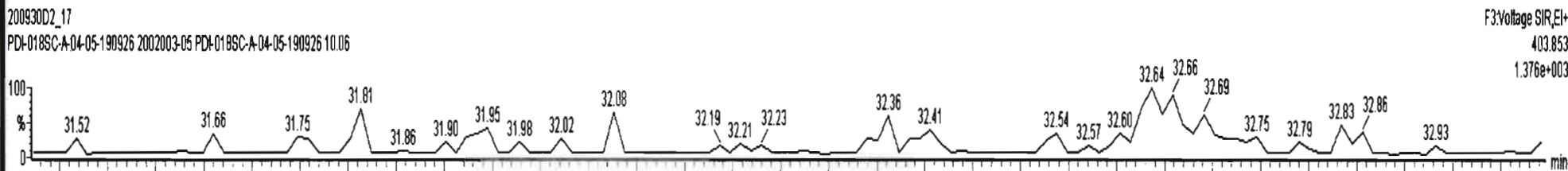
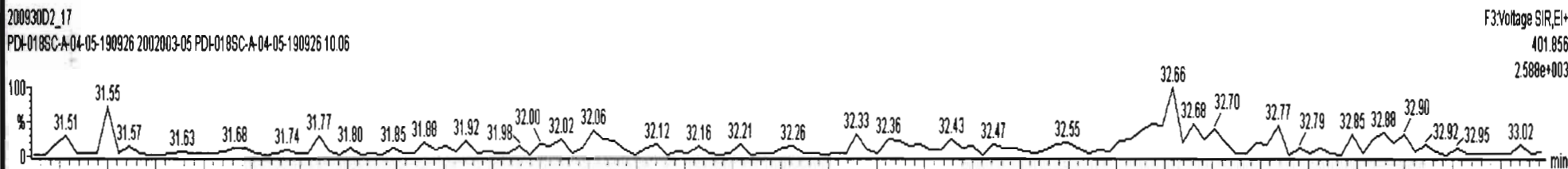
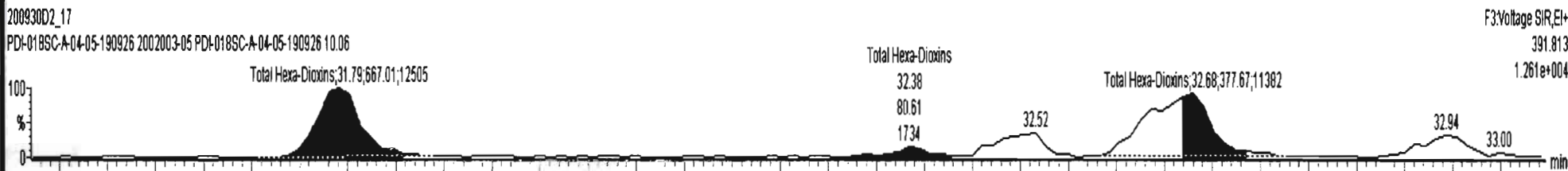


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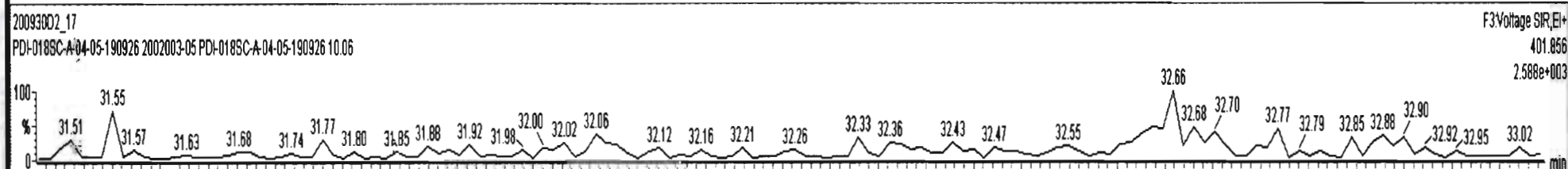
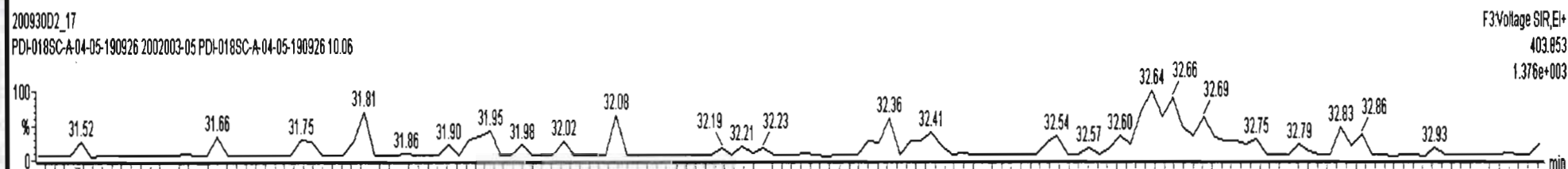
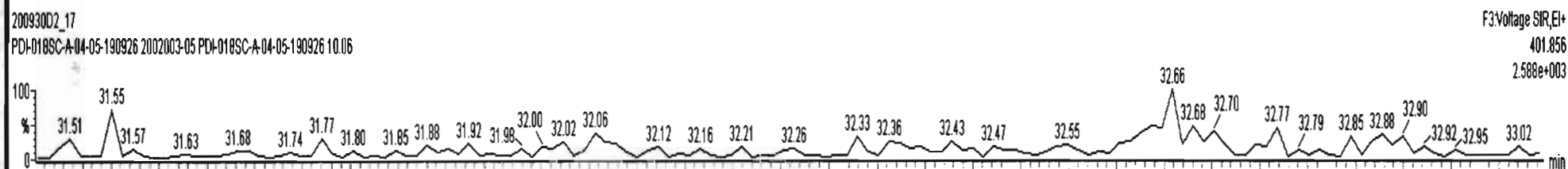
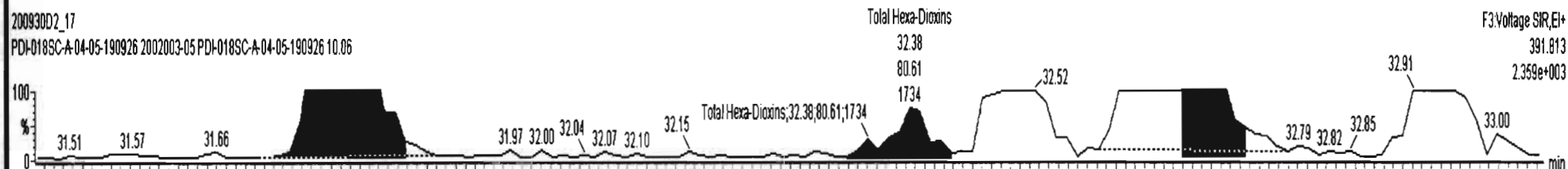
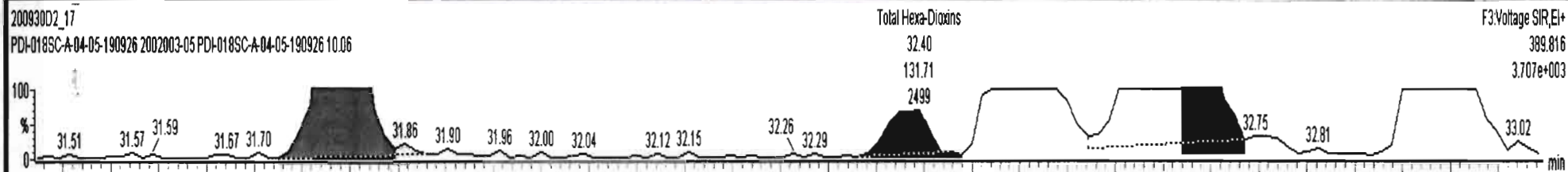


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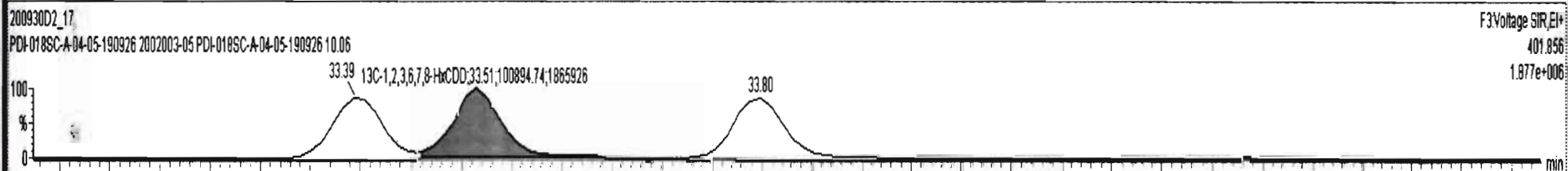
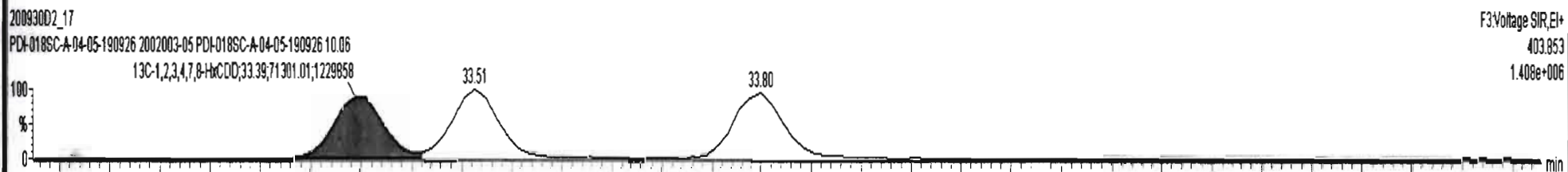
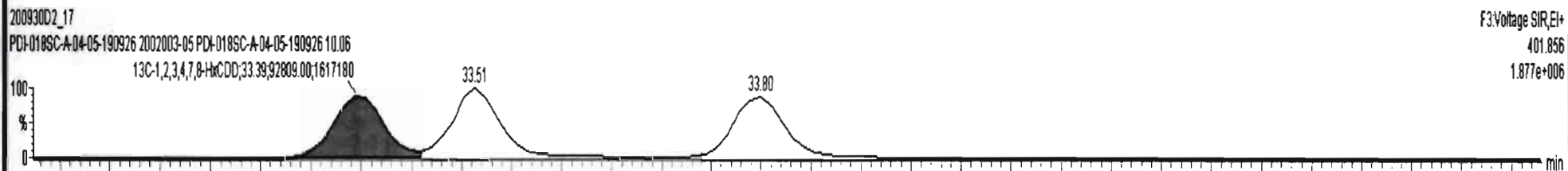
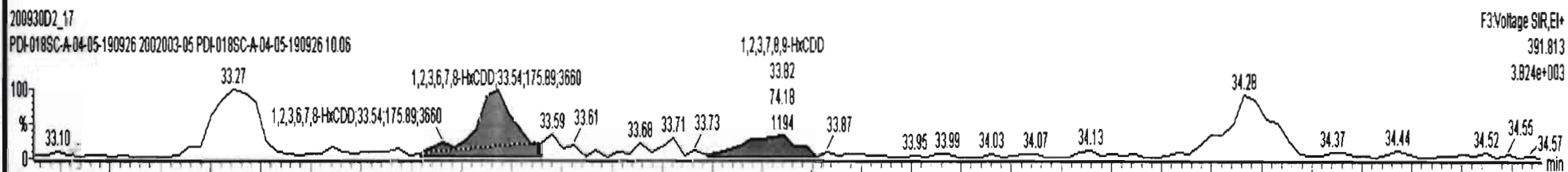
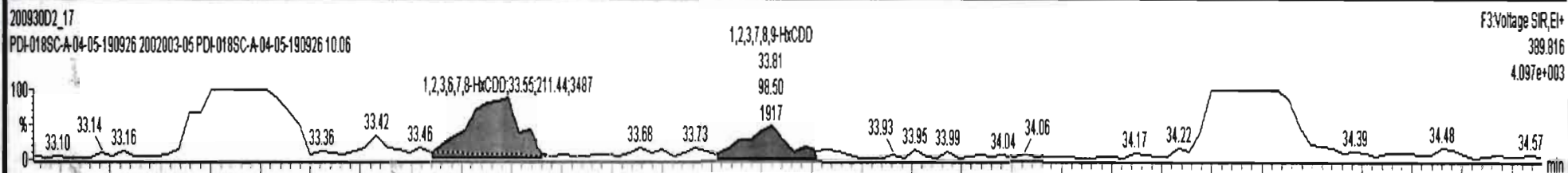




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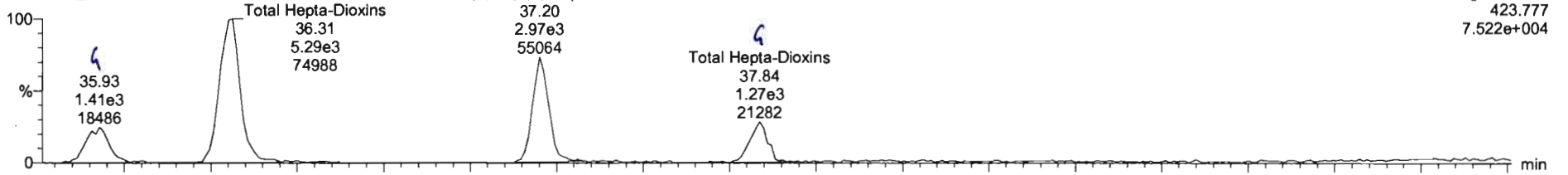
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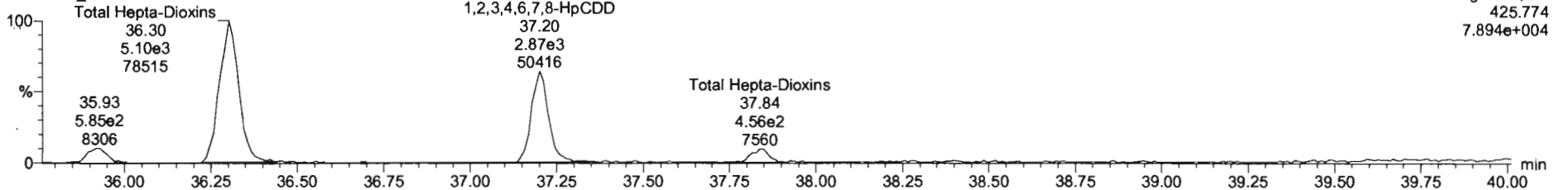
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1,2,3,4,6,7,8-HpCDD

200930D2_17

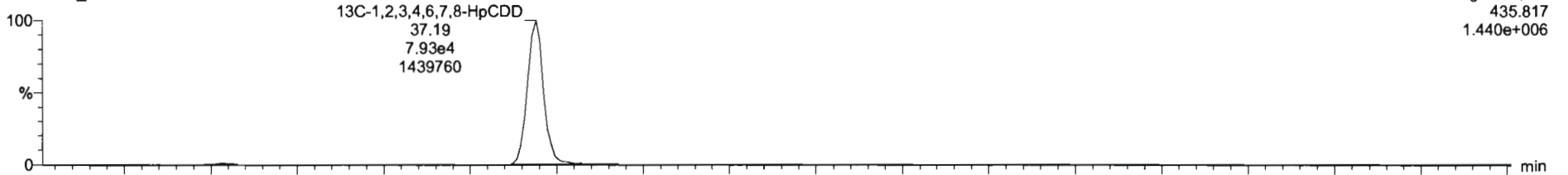


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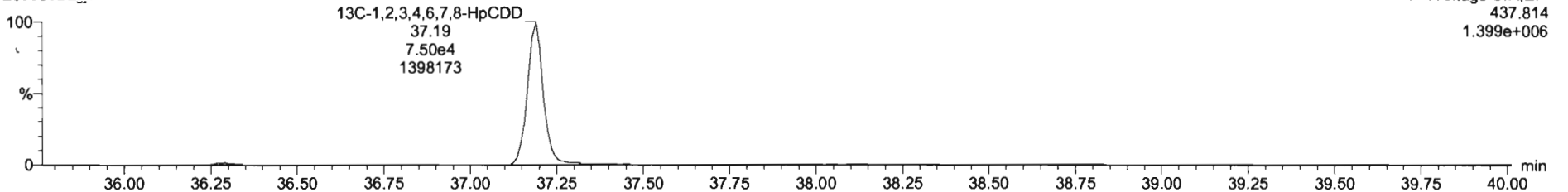


13C-1,2,3,4,6,7,8-HpCDD

200930D2_17



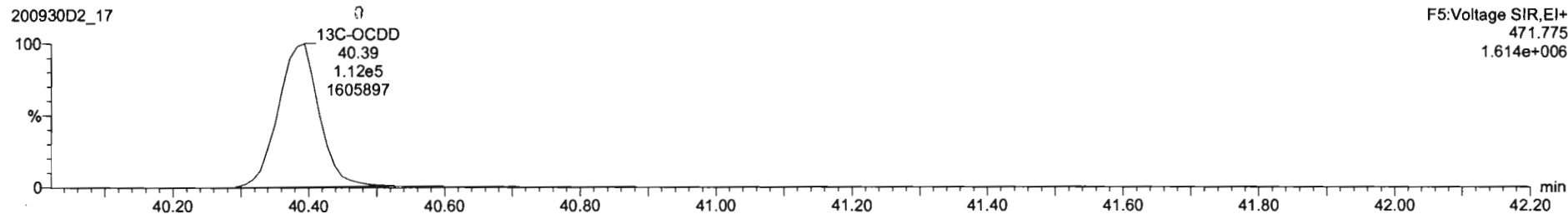
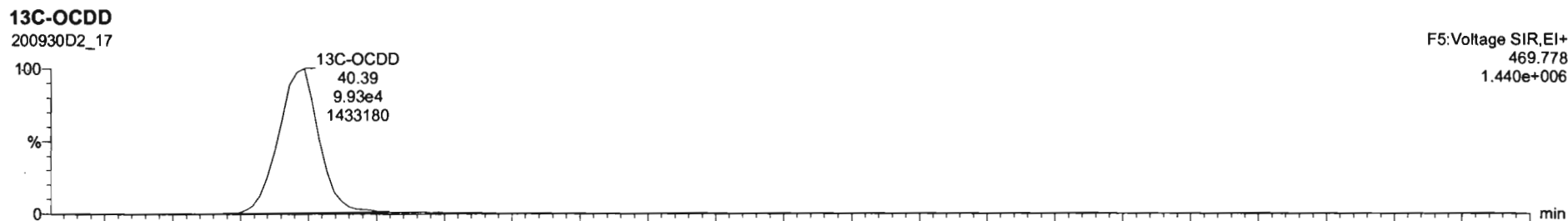
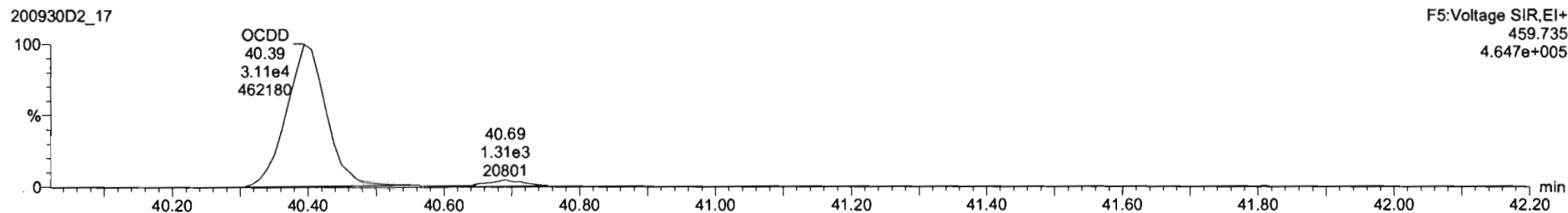
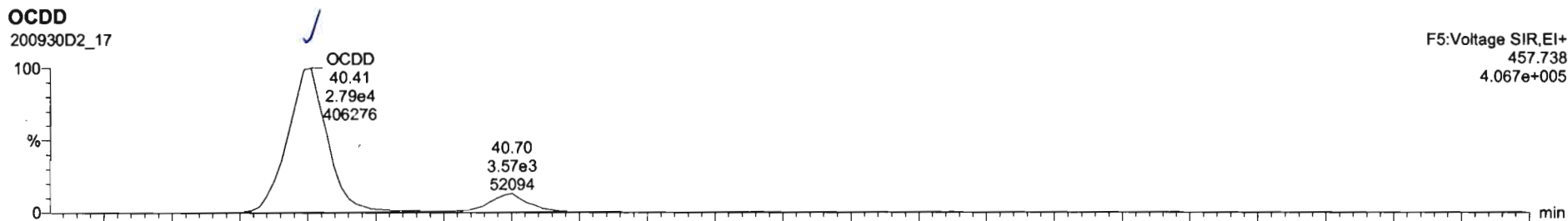
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Name: 200930D2_17, Date: 01-Oct-2020, Time: 01:01:11, ID: 2002003-05 PDI-018SC-A-04-05-190926 10.06, Description: PDI-018SC-A-04-05-190926



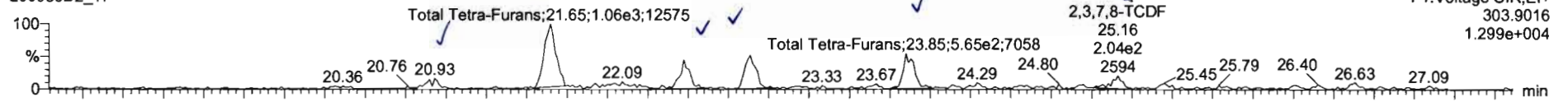
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Last Altered: Thursday, October 01, 2020 10:57:15 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:59:00 Pacific Daylight Time

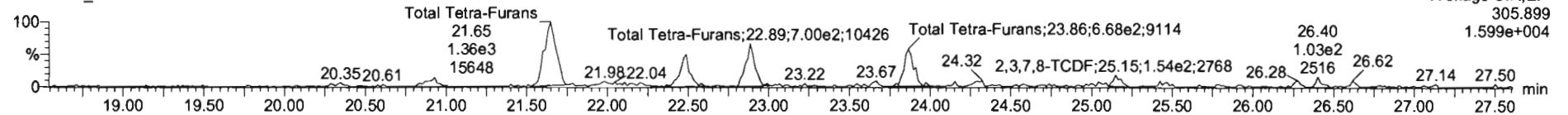
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2,3,7,8-TCDF

200930D2_17

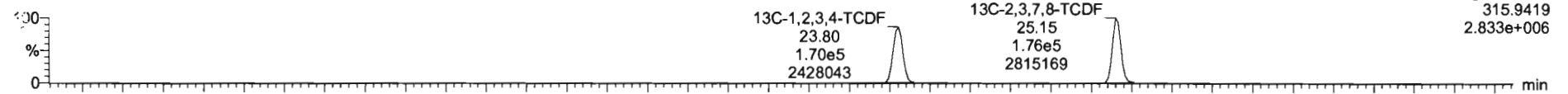


200930D2_17

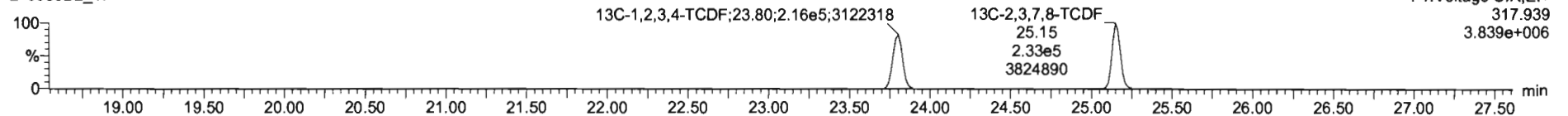


13C-2,3,7,8-TCDF

200930D2_17

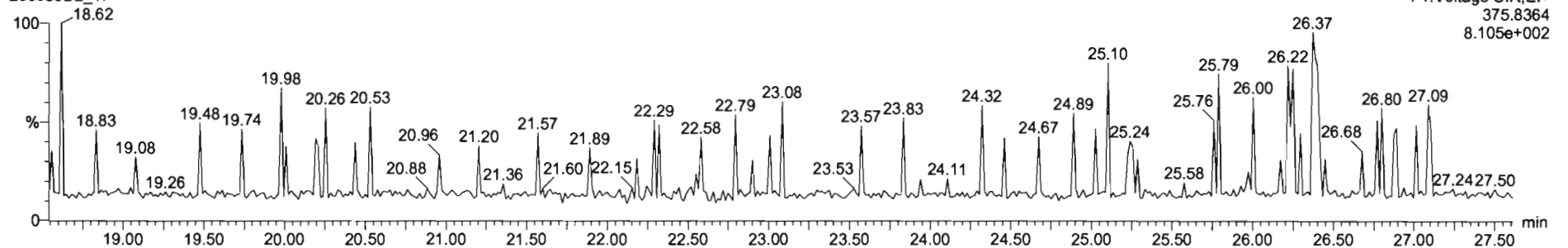


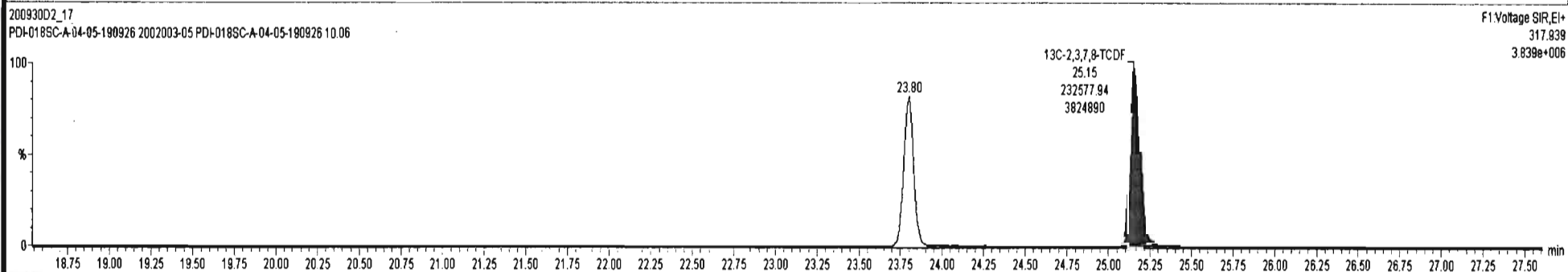
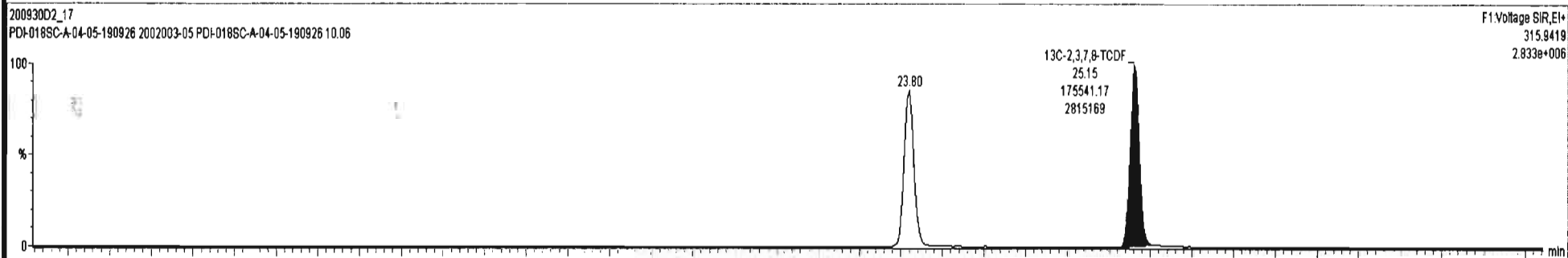
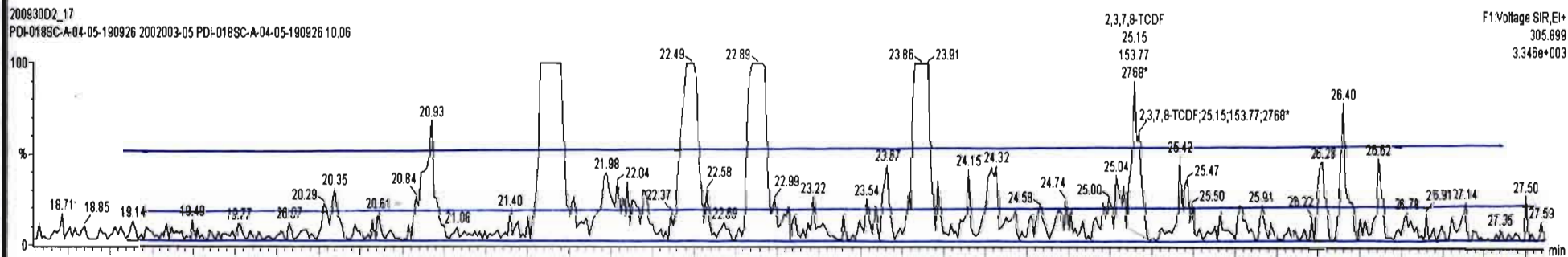
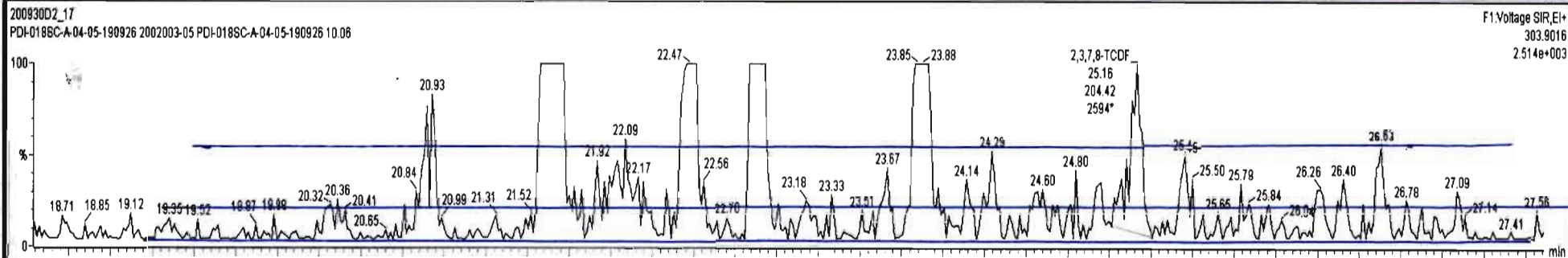
200930D2_17

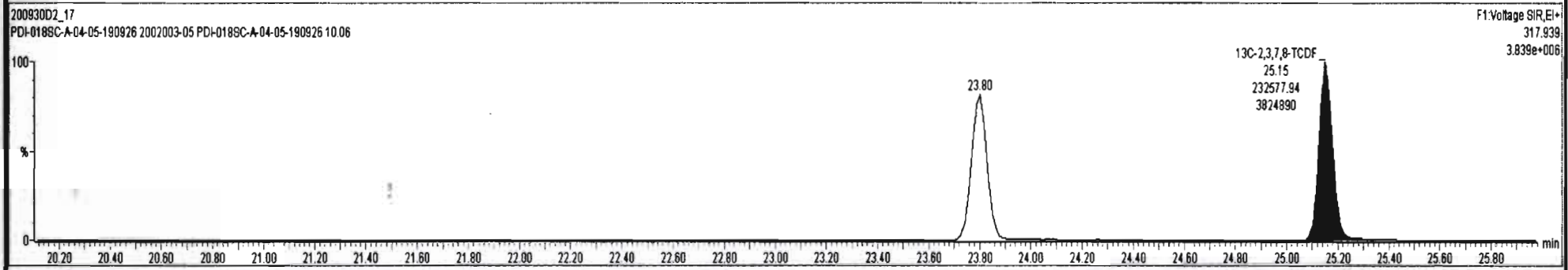
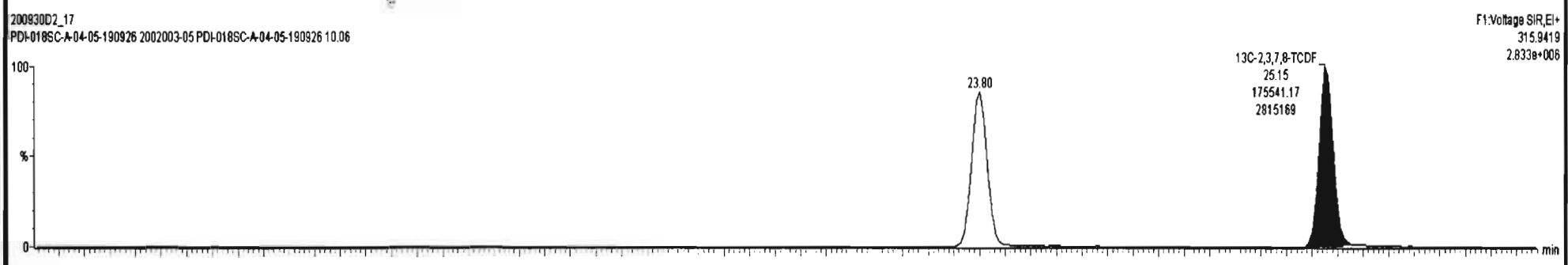
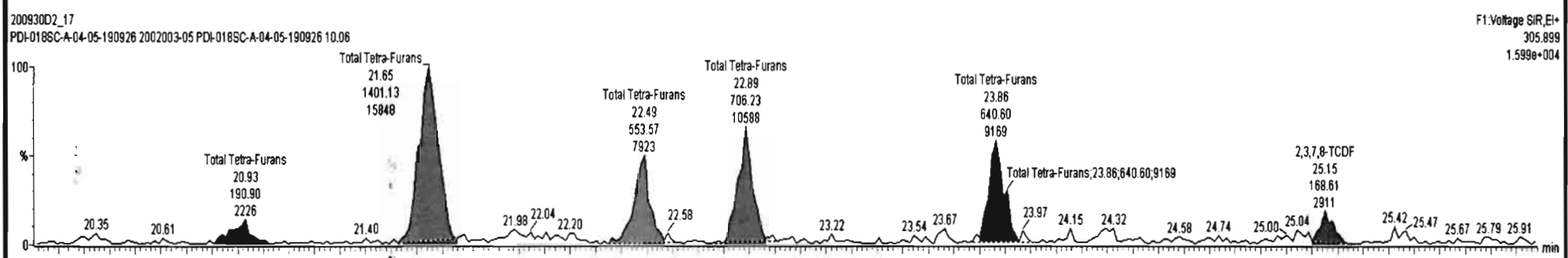
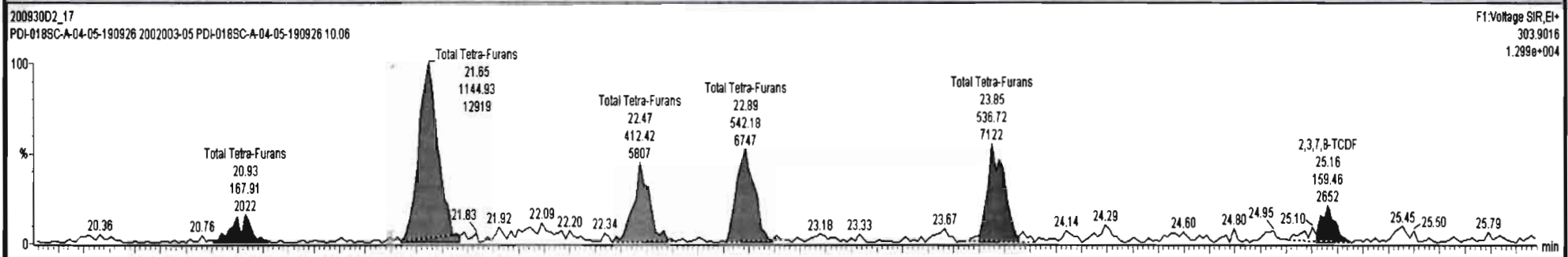


DPE1

200930D2_17





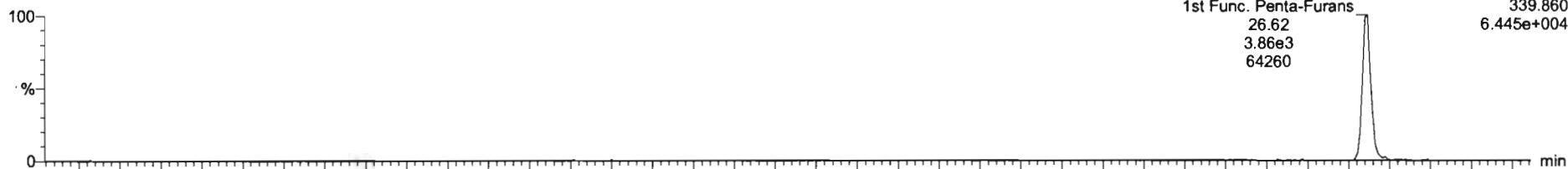


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_17.qld
Last Altered: Thursday, October 01, 2020 10:57:15 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:59:00 Pacific Daylight Time

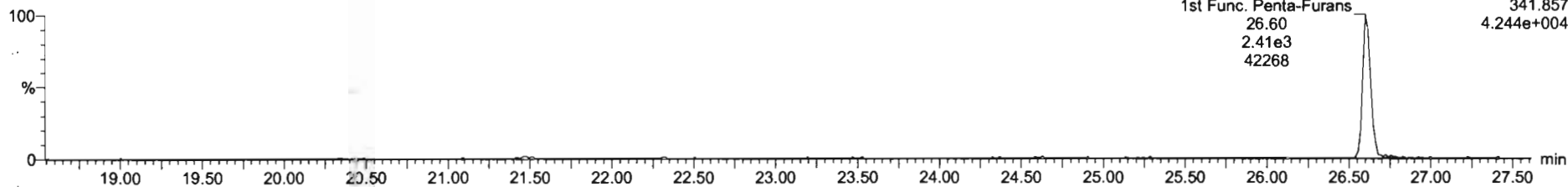
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1st Func. Penta-Furans

200930D2_17

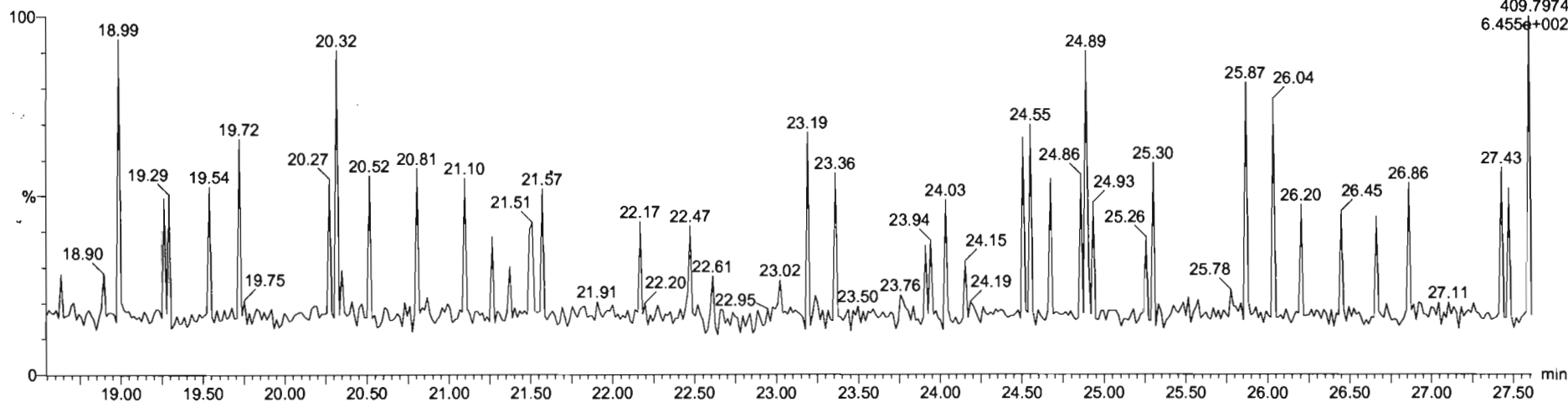


200930D2_17



DPE6

200930D2_17



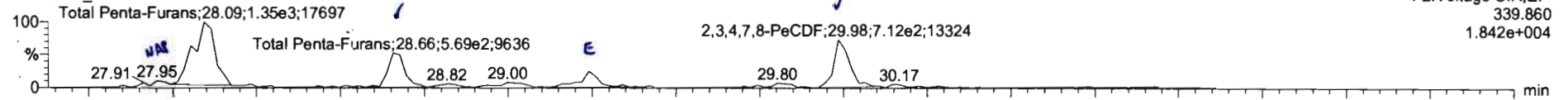
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Last Altered: Thursday, October 01, 2020 10:57:15 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:59:00 Pacific Daylight Time

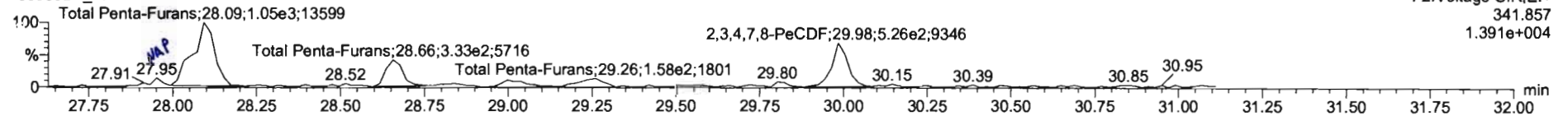
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1,2,3,7,8-PeCDF

200930D2_17

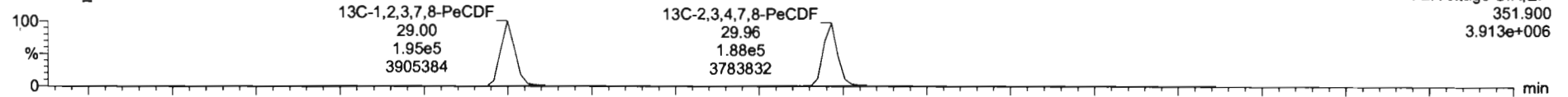


200930D2_17

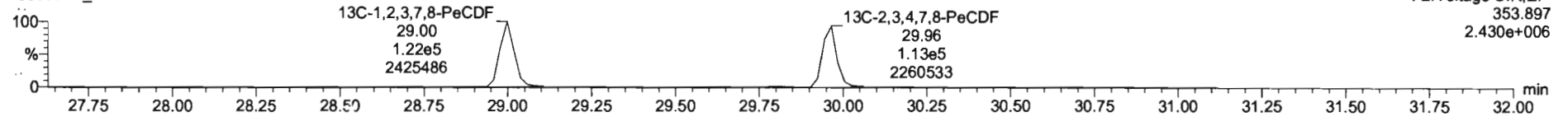


13C-1,2,3,7,8-PeCDF

200930D2_17

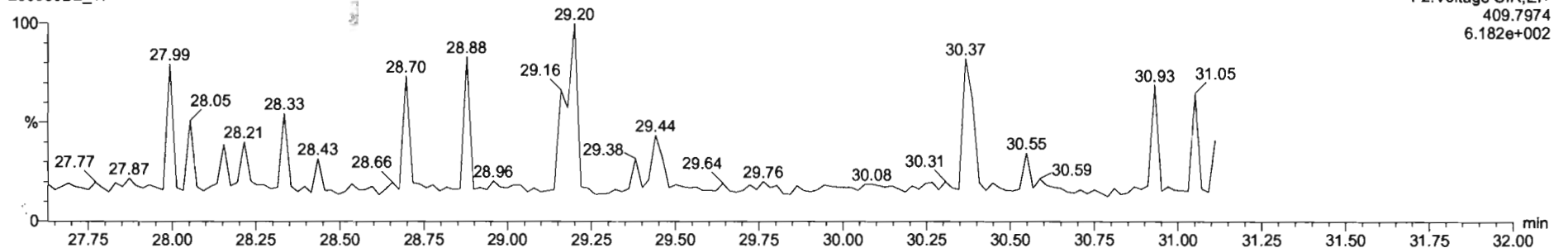


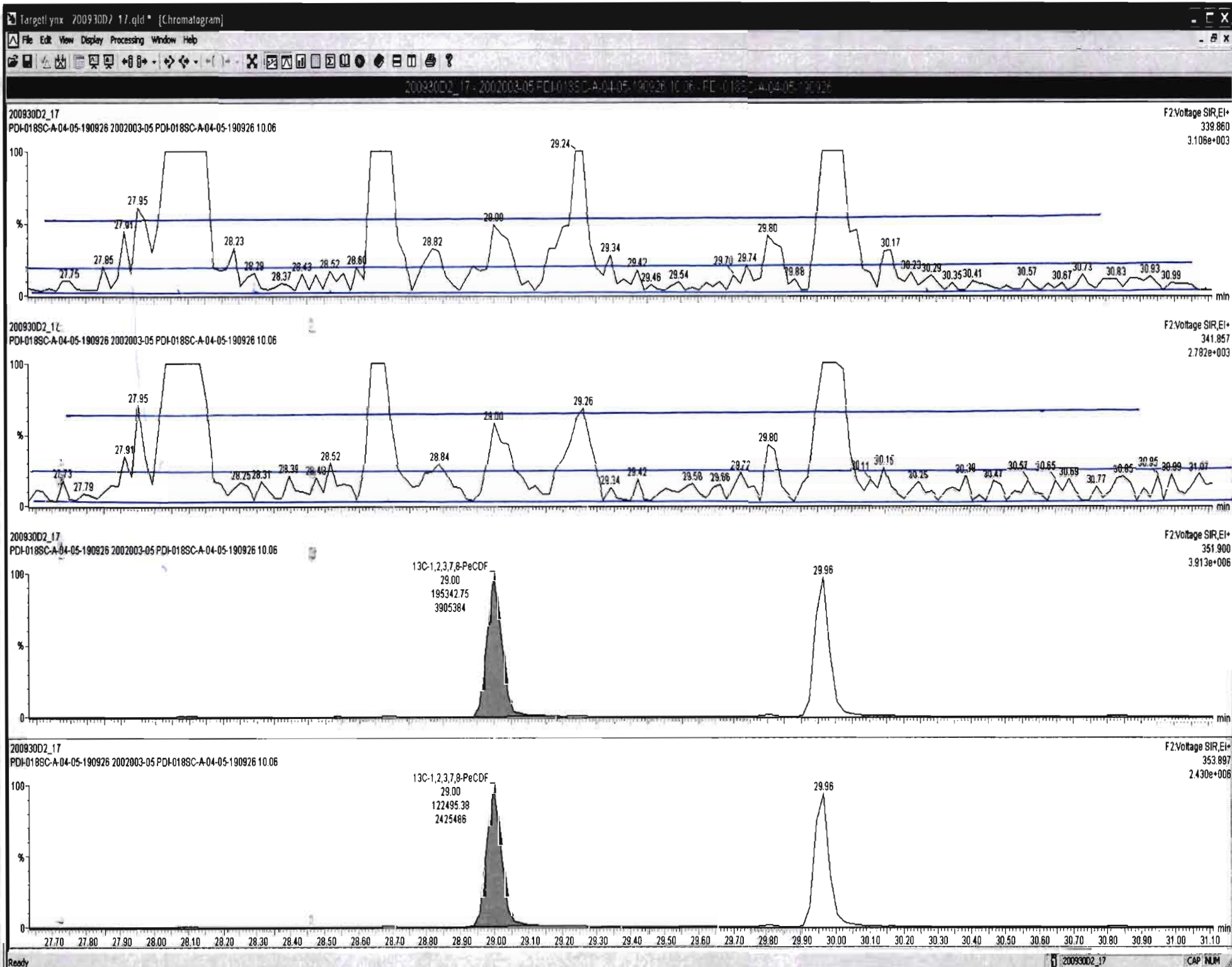
200930D2_17



DPE2

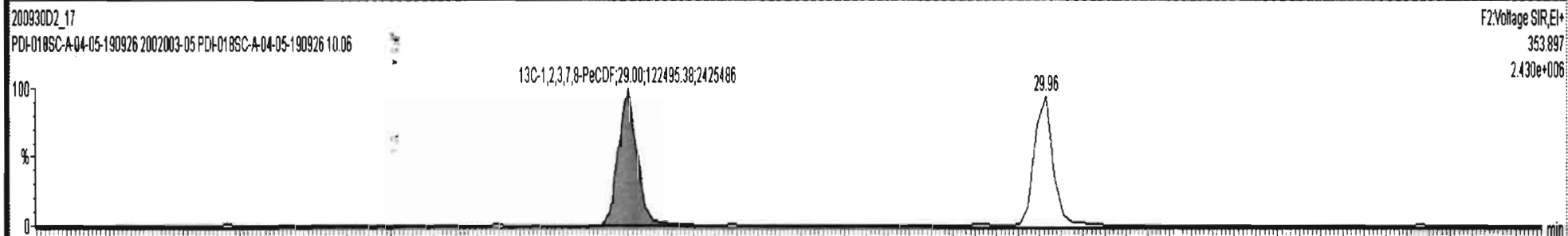
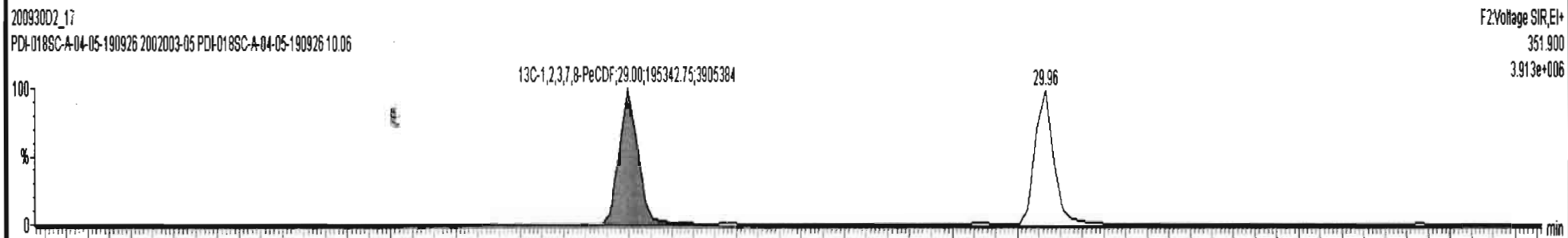
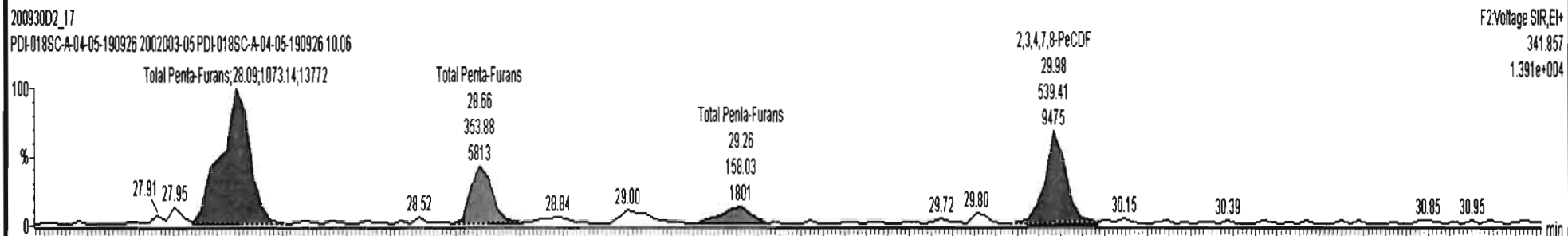
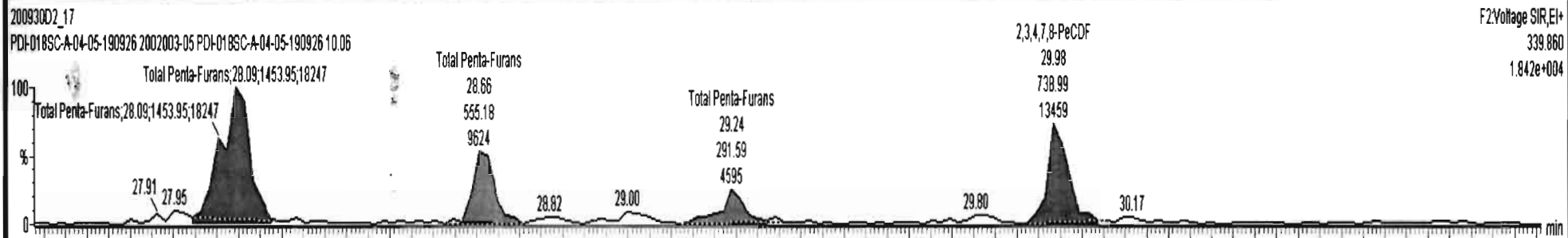
200930D2_17







200930D2_17 - 20020305-PDI-1850-A-04-05-190926 10.06 - PDI-1850-A-04-05-190926

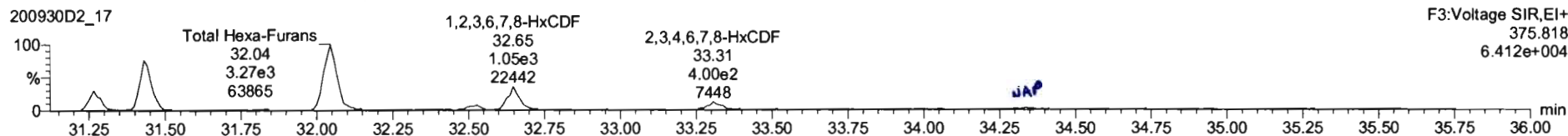
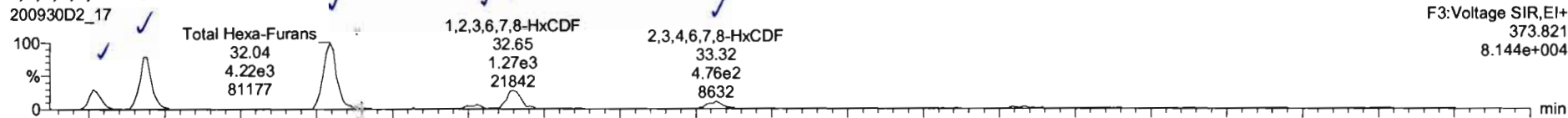


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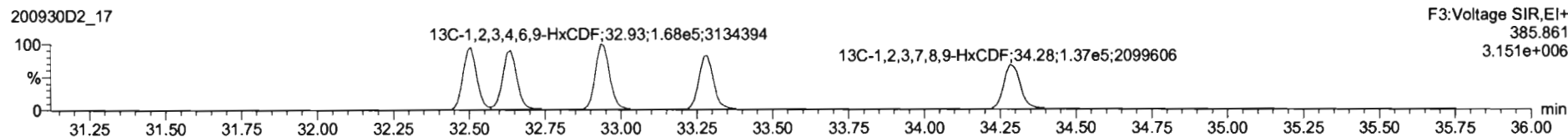
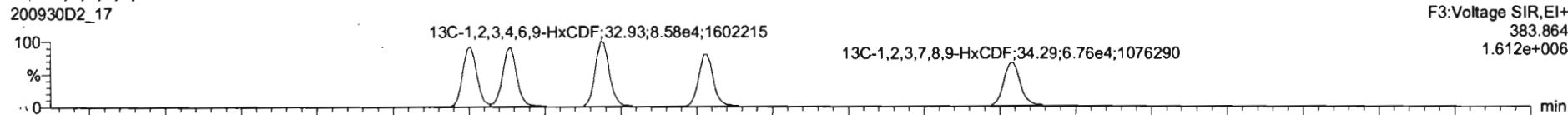
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Printed: Thursday, October 01, 2020 10:59:00 Pacific Daylight Time

Name: 200930D2_17, Date: 01-Oct-2020, Time: 01:01:11, ID: 2002003-05 PDI-018SC-A-04-05-190926 10.06, Description: PDI-018SC-A-04-05-190926

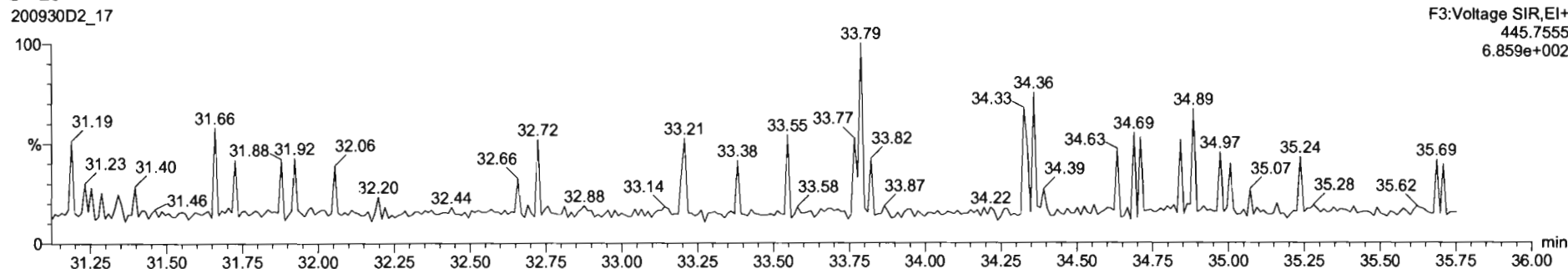
1,2,3,4,7,8-HxCDF



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

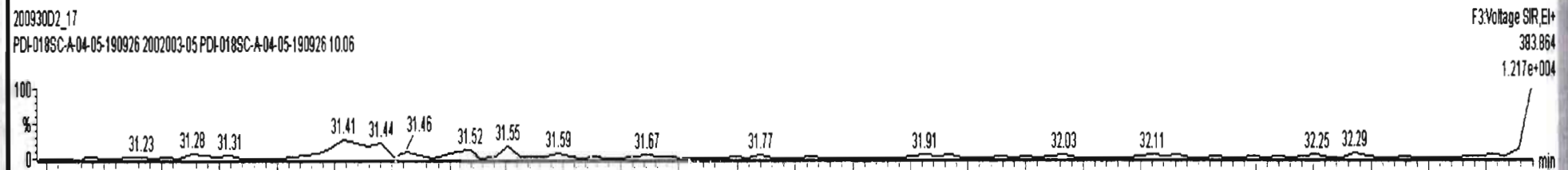
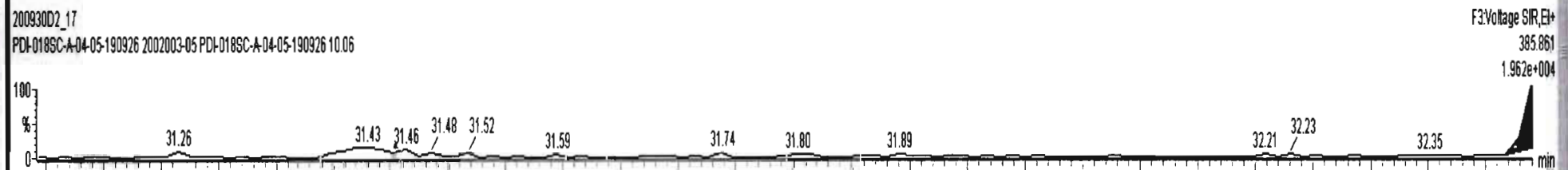
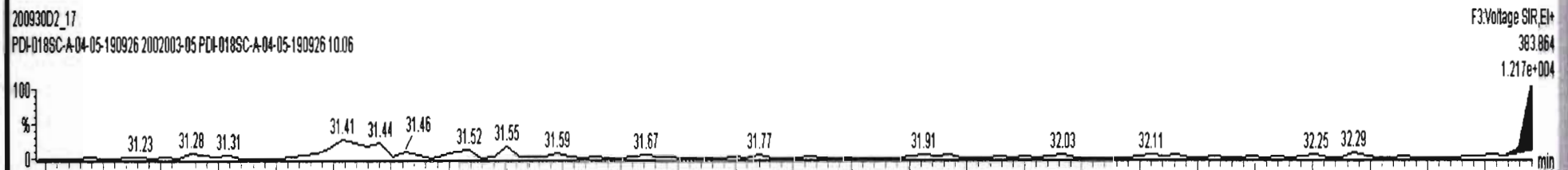


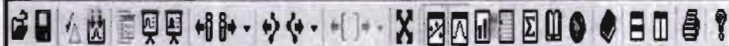
DPE3



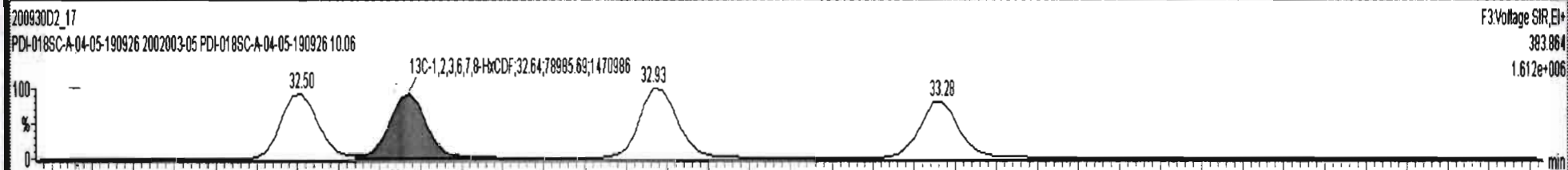
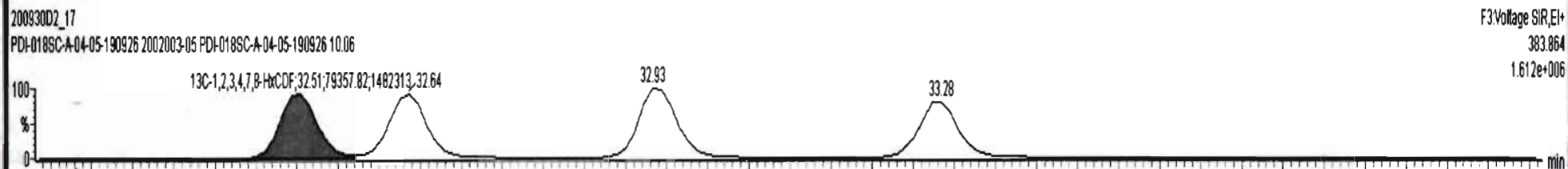


20093002_17_2002003-05 PDI-018SC-A-04-05-190926 10.06 PDI-018SC-A-04-05-190926



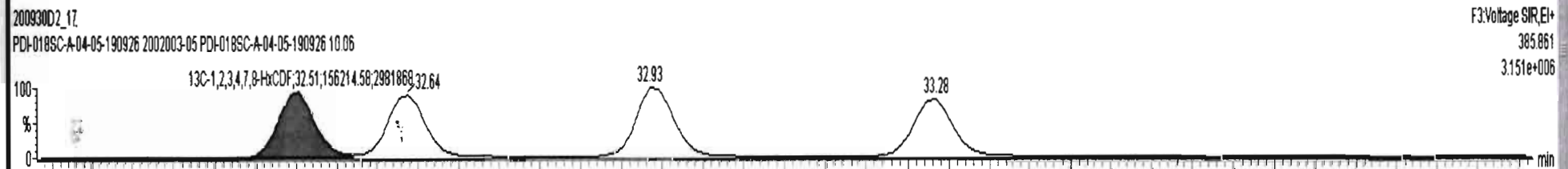
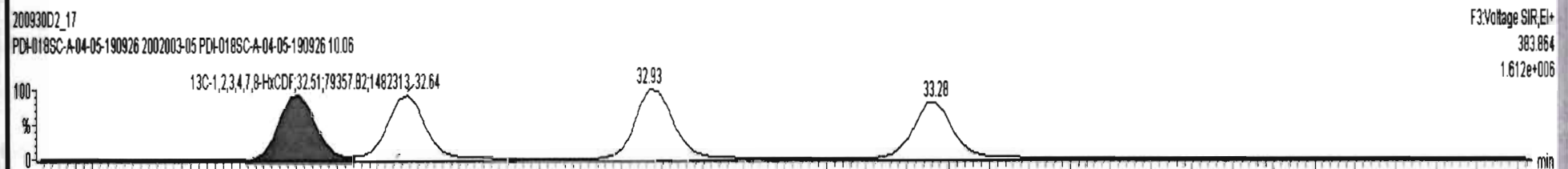
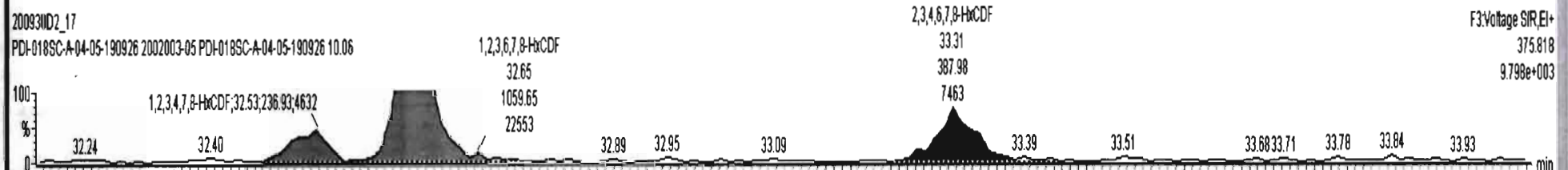
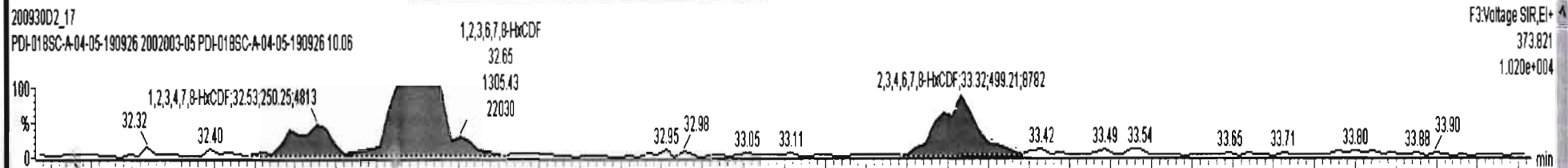


20093002_17 - 20090316 16:01:58 - 04:05:19 09:26 10:06 - 01:58:40 04:15:12 09:26





20093002_17 - 2002003-05 PDI-018SC-A-04-05-190926 10.06 - PDI-018SC-A-04-05-190926



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_17.qld

Last Altered: Thursday, October 01, 2020 10:57:15 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:59:00 Pacific Daylight Time

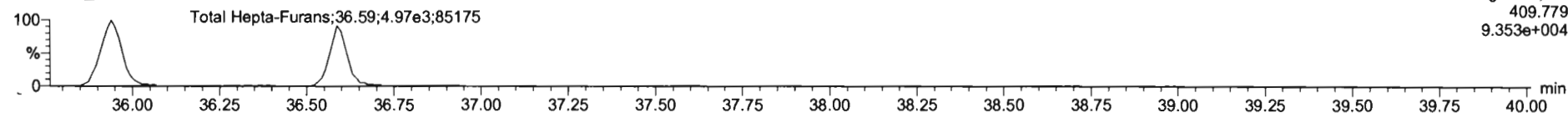
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1,2,3,4,6,7,8-HpCDF

200930D2_17

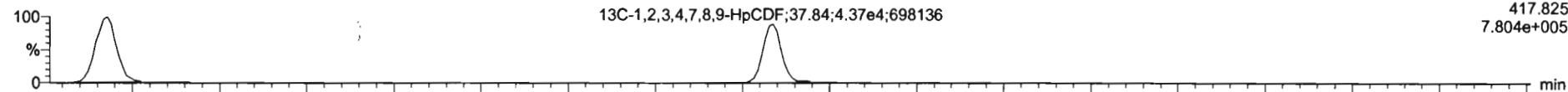


200930D2_17

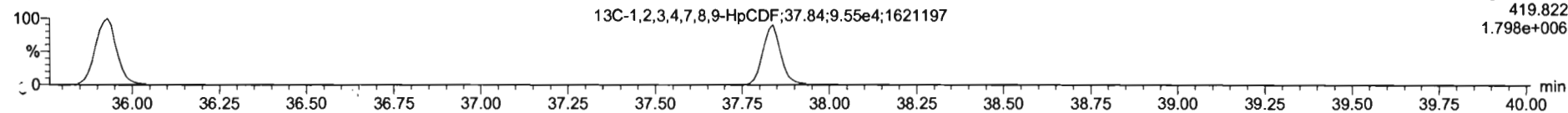


13C-1,2,3,4,6,7,8-HpCDF

200930D2_17

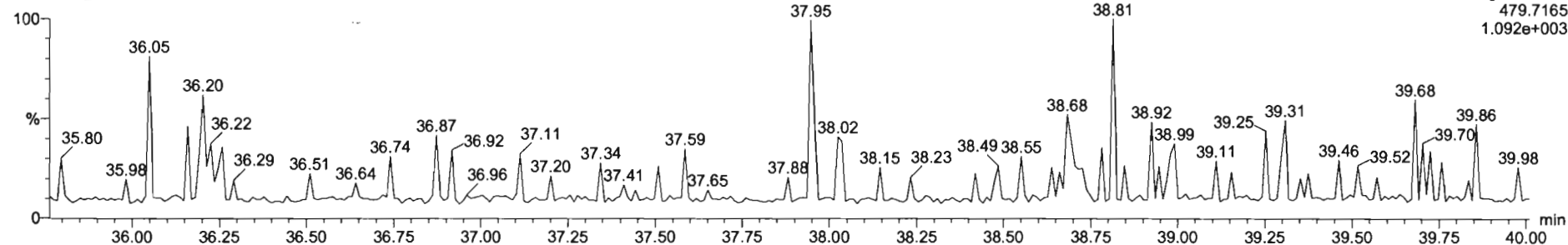


200930D2_17



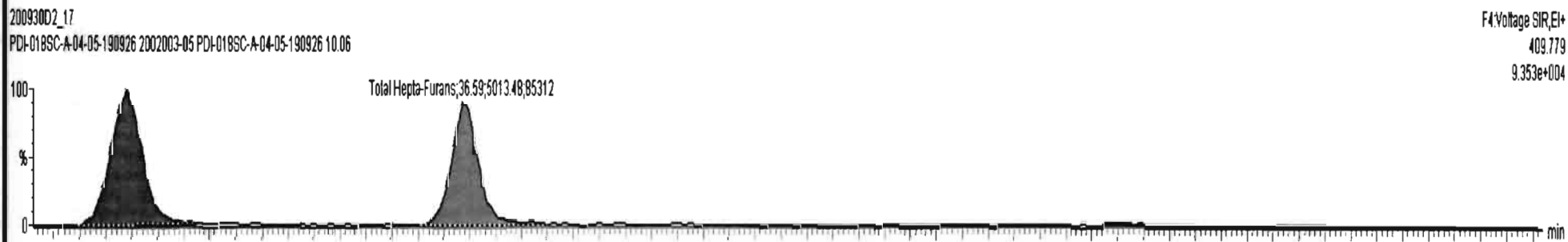
DPE4

200930D2_17



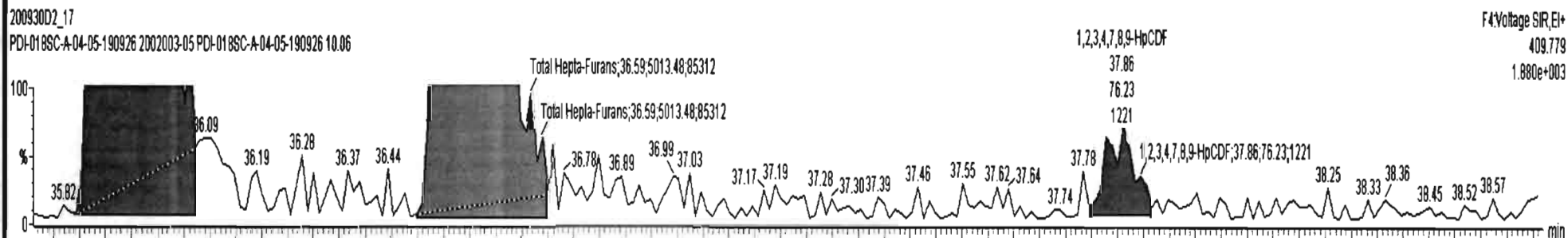
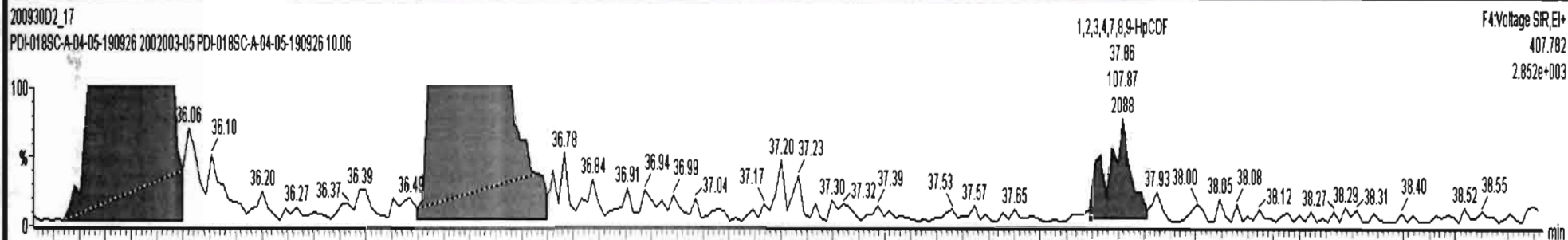


200930D2_17-2002003-05 PDI-018SC-A-04-05-190926 10.06 - PDI-018SC-A-04-05-190926



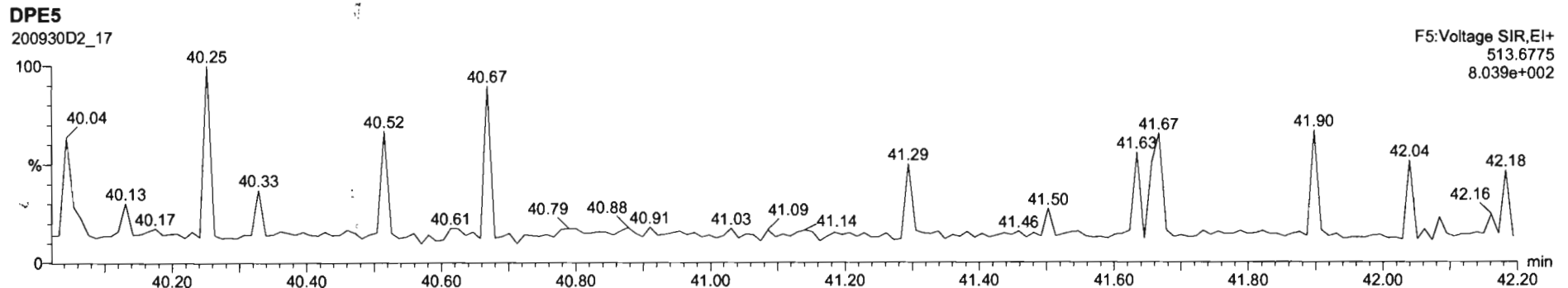
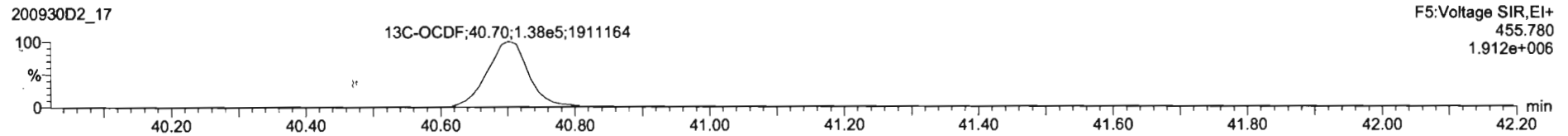
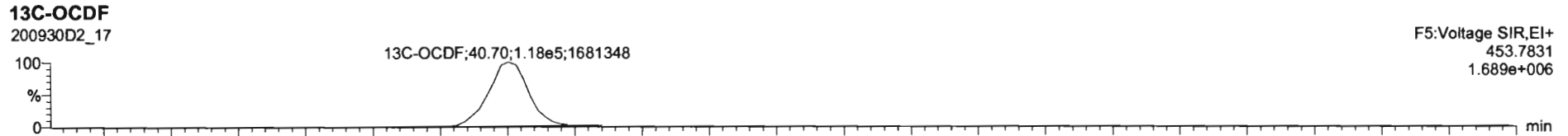
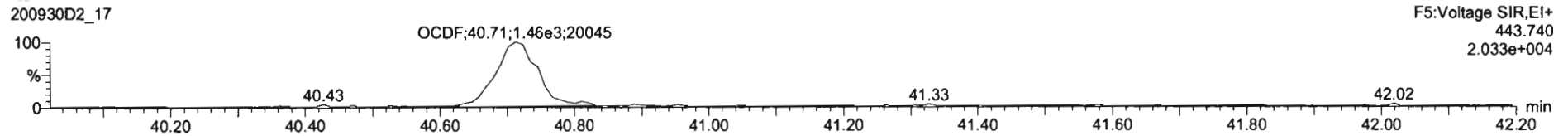
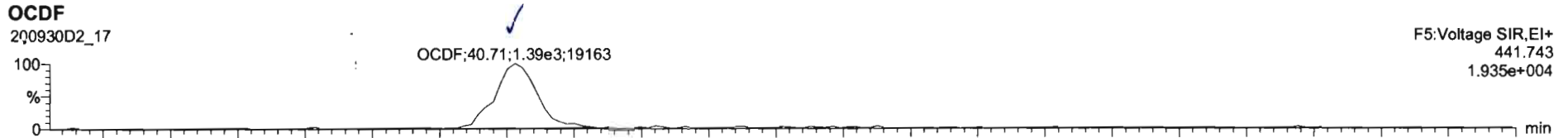


20093002_17 - 2002003-05 PDI-0185C-A-04-05-190926 10.06 - PDI-0185C-A-04-05-190926



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_17.qld
Last Altered: Thursday, October 01, 2020 10:57:15 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:59:00 Pacific Daylight Time

Name: 200930D2_17, Date: 01-Oct-2020, Time: 01:01:11, ID: 2002003-05 PDI-018SC-A-04-05-190926 10.06, Description: PDI-018SC-A-04-05-190926

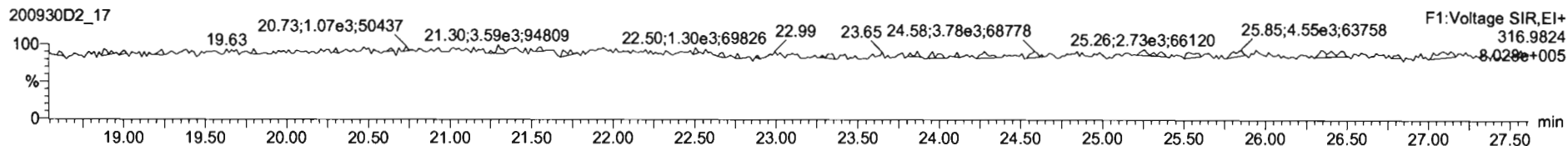


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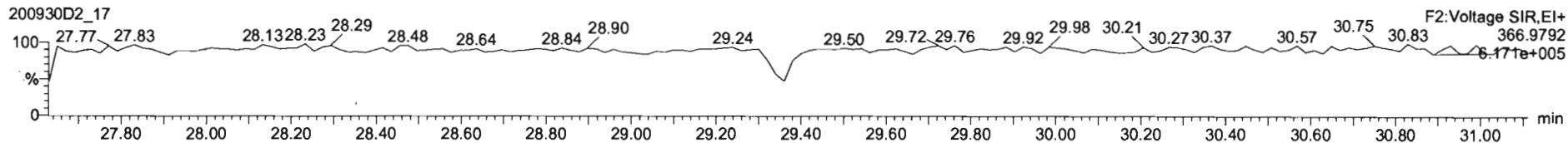
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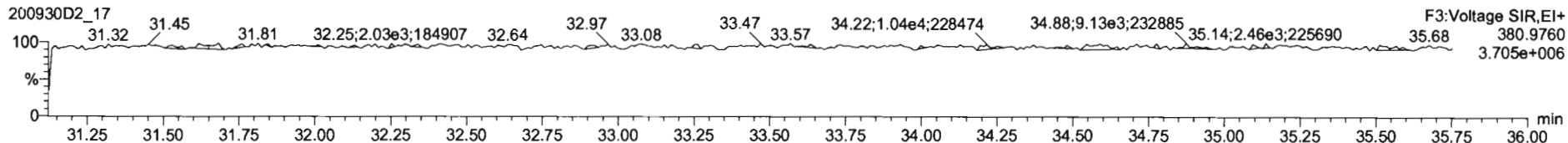
PFK1



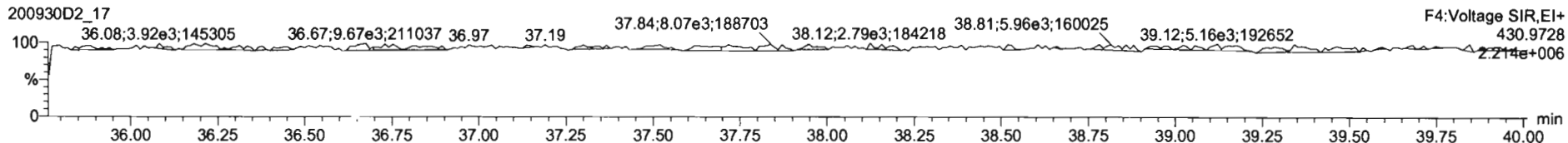
PFK2



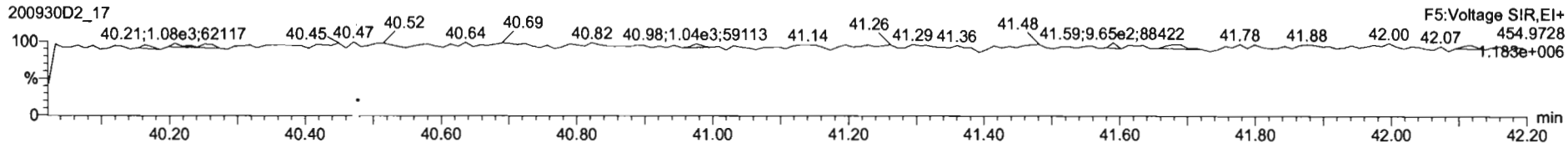
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_18.qld

Last Altered: Friday, October 02, 2020 2:47:47 PM Pacific Daylight Time

Printed: Friday, October 02, 2020 2:48:41 PM Pacific Daylight Time

DB 10/2/20 C7 10/25/2020

Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_18, Date: 01-Oct-2020, Time: 01:46:37, ID: 2002003-06 PDI-018SC-A-05-06-190926 10.33, Description: PDI-018SC-A-05-06-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	1.00	7.721	25.837		1.001				0.136	
2	2 1,2,3,7,8-PeCDD	5.83e2	0.63	NO	0.935	7.721	30.187	30.19	1.001	1.001	0.74783		0.166	0.748
3	3 1,2,3,4,7,8-HxCDD	4.67e2	1.40	NO	1.15	7.721	33.404	33.42	1.000	1.001	0.60089		0.254	0.601
4	4 1,2,3,6,7,8-HxCDD	3.33e3	1.23	NO	1.02	7.721	33.514	33.54	1.000	1.001	4.3692		0.261	4.37
5	5 1,2,3,7,8,9-HxCDD	1.18e3	1.24	NO	1.06	7.721	33.834	33.81	1.001	1.000	1.5144		0.257	1.51
6	6 1,2,3,4,6,7,8-HpCDD	5.95e4	1.05	NO	1.00	7.721	37.201	37.20	1.000	1.000	95.409		1.15	95.4
7	7 OCDD	7.69e5	0.89	NO	0.952	7.721	40.395	40.40	1.000	1.000	1676.8		0.822	1680
8	8 2,3,7,8-TCDF	9.41e2	1.00	YES	1.01	7.721	25.188	25.18	1.001	1.001	0.57676		0.150	0.511
9	9 1,2,3,7,8-PeCDF	7.81e2	1.59	NO	0.998	7.721	29.018	29.02	1.001	1.001	0.60246		0.177	0.602
10	10 2,3,4,7,8-PeCDF	6.96e3	1.55	NO	1.07	7.721	29.994	30.00	1.001	1.001	5.2490		0.172	5.25
11	11 1,2,3,4,7,8-HxCDF	3.87e3	1.22	NO	1.05	7.721	32.505	32.52	1.000	1.000	3.7705		0.351	3.77
12	12 1,2,3,6,7,8-HxCDF	8.17e3	1.18	NO	1.10	7.721	32.647	32.65	1.000	1.000	7.5604		0.333	7.56
13	13 2,3,4,6,7,8-HxCDF	5.68e3	1.23	NO	1.09	7.721	33.317	33.32	1.001	1.001	5.7993		0.397	5.80
14	14 1,2,3,7,8,9-HxCDF	7.20e2	1.26	NO	1.08	7.721	34.294	34.33	1.000	1.001	0.80610		0.474	0.806
15	15 1,2,3,4,6,7,8-HpCDF	1.91e5	1.04	NO	1.13	7.721	35.965	35.94	1.001	1.000	223.50		0.565	223
16	16 1,2,3,4,7,8,9-HpCDF	1.63e3	1.08	NO	1.29	7.721	37.838	37.86	1.000	1.001	2.2245		0.558	2.22
17	17 OCDF	5.93e4	0.90	NO	0.953	7.721	40.713	40.72	1.000	1.000	112.17		0.367	112
18	18 13C-2,3,7,8-TCDD	2.69e5	0.77	NO	1.17	7.721	25.802	25.81	1.026	1.026	267.30	103	0.631	
19	19 13C-1,2,3,7,8-PeCDD	2.16e5	0.63	NO	0.914	7.721	29.992	30.17	1.193	1.200	275.39	106	0.574	
20	20 13C-1,2,3,4,7,8-HxCDD	1.75e5	1.30	NO	0.634	7.721	33.405	33.39	1.014	1.014	282.95	109	0.925	
21	21 13C-1,2,3,6,7,8-HxCDD	1.93e5	1.29	NO	0.724	7.721	33.514	33.51	1.017	1.017	273.56	106	0.809	
22	22 13C-1,2,3,7,8,9-HxCDD	1.91e5	1.24	NO	0.716	7.721	33.781	33.80	1.025	1.026	273.38	106	0.819	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.61e5	1.06	NO	0.660	7.721	37.194	37.19	1.129	1.129	250.69	96.8	1.20	
24	24 13C-OCDD	2.50e5	0.89	NO	0.587	7.721	40.172	40.40	1.219	1.226	436.72	84.3	0.838	
25	25 13C-2,3,7,8-TCDF	4.17e5	0.77	NO	1.02	7.721	24.897	25.16	0.990	1.001	270.54	104	0.531	
26	26 13C-1,2,3,7,8-PeCDF	3.37e5	1.61	NO	0.842	7.721	29.064	29.00	1.156	1.153	265.15	102	0.669	
27	27 13C-2,3,4,7,8-PeCDF	3.20e5	1.63	NO	0.802	7.721	29.951	29.96	1.191	1.192	264.40	102	0.703	
28	28 13C-1,2,3,4,7,8-HxCDF	2.53e5	0.51	NO	1.00	7.721	32.549	32.51	0.988	0.987	258.65	99.9	0.705	
29	29 13C-1,2,3,6,7,8-HxCDF	2.54e5	0.51	NO	1.02	7.721	32.680	32.64	0.992	0.991	256.32	99.0	0.694	
30	30 13C-2,3,4,6,7,8-HxCDF	2.33e5	0.52	NO	0.955	7.721	33.244	33.28	1.009	1.010	250.70	96.8	0.741	
31	31 13C-1,2,3,7,8,9-HxCDF	2.14e5	0.51	NO	0.851	7.721	34.308	34.29	1.041	1.041	257.78	99.5	0.831	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_18.qld

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Name: 200930D2_18, Date: 01-Oct-2020, Time: 01:46:37, ID: 2002003-06 PDI-018SC-A-05-06-190926 10.33, Description: PDI-018SC-A-05-06-190926

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	1.96e5	0.44	NO	0.848	7.721	35.810	35.93	1.087	1.091	236.99	91.5	0.983	
33	13C-1,2,3,4,7,8,9-HpCDF	1.48e5	0.45	NO	0.624	7.721	37.787	37.84	1.147	1.149	243.12	93.9	1.34	
34	13C-OCDF	2.88e5	0.90	NO	0.730	7.721	40.323	40.71	1.224	1.236	404.26	78.0	0.650	
35	37Cl-2,3,7,8-TCDD	1.29e5			1.21	7.721	25.799	25.82	1.026	1.027	124.39	120	0.145	
36	13C-1,2,3,4-TCDD	2.22e5	0.83	NO	1.00	7.721	25.260	25.15	1.000	1.000	259.03	100	0.740	
37	13C-1,2,3,4-TCDF	3.91e5	0.78	NO	1.00	7.721	23.930	23.80	1.000	1.000	259.03	100	0.543	
38	13C-1,2,3,4,6,9-HxCDF	2.52e5	0.50	NO	1.00	7.721	32.990	32.94	1.000	1.000	259.03	100	0.707	
39	Total Tetra-Dioxins				1.00	7.721	24.620		0.000		1.7374		0.136	2.58
40	Total Penta-Dioxins				0.935	7.721	29.960		0.000		7.4538		0.166	7.45
41	Total Hexa-Dioxins				1.02	7.721	33.635		0.000		33.079		0.270	33.4
42	Total Hepta-Dioxins				1.00	7.721	37.640		0.000		231.44		1.15	231
43	Total Tetra-Furans				1.01	7.721	23.610		0.000		23.179		0.150	24.9
44	1st Func. Penta-Furans				0.998	7.721	26.750		0.000		35.250		0.0572	35.2
45	Total Penta-Furans				0.998	7.721	29.275		0.000		27.450		0.181	27.8
46	Total Hexa-Furans				1.09	7.721	33.555		0.000		165.34		0.382	165
47	Total Hepta-Furans				1.13	7.721	37.835		0.000		405.76		0.595	406

Vista Analytical Laboratory

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Method: Untitled 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_18, Date: 01-Oct-2020, Time: 01:46:37, ID: 2002003-06 PDI-018SC-A-05-06-190926 10.33, Description: PDI-018SC-A-05-06-190926

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.43	4.000e3	5.054e3	3.042e2	3.449e2	0.88	NO	6.491e2	0.62403	0.62403	0.136
2	Total Tetra-Dioxins	22.78	1.727e3	1.788e3	1.409e2	1.647e2	0.86	NO	3.056e2	0.29378	0.29378	0.136
3	Total Tetra-Dioxins	23.21	2.467e3	2.315e3	1.280e2	1.482e2	0.86	NO	2.762e2	0.26554	0.26554	0.136
4	Total Tetra-Dioxins	23.94	2.372e3	3.033e3	1.472e2	1.577e2	0.93	YES	0.000e0	0.00000	0.26841	0.136
5	Total Tetra-Dioxins	24.12	2.015e3	2.322e3	1.857e2	1.729e2	1.07	YES	0.000e0	0.00000	0.29426	0.136
6	Total Tetra-Dioxins	24.35	2.950e3	3.659e3	1.892e2	2.417e2	0.78	NO	4.310e2	0.41434	0.41434	0.136
7	Total Tetra-Dioxins	24.54	1.773e3	1.085e3	8.234e1	6.550e1	1.26	YES	0.000e0	0.00000	0.11147	0.136
8	Total Tetra-Dioxins	24.78	1.425e3	1.605e3	6.746e1	7.781e1	0.87	NO	1.453e2	0.13967	0.13967	0.136
9	Total Tetra-Dioxins	24.87	1.411e3	1.579e3	9.352e1	9.817e1	0.95	YES	0.000e0	0.00000	0.16706	0.136

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.07	1.298e4	1.900e4	9.593e2	1.392e3	0.69	NO	2.351e3	3.0167	3.0167	0.166
2	Total Penta-Dioxins	28.52	2.519e3	3.910e3	1.316e2	2.299e2	0.57	NO	3.615e2	0.46387	0.46387	0.166
3	Total Penta-Dioxins	29.16	4.128e3	8.513e3	2.773e2	4.399e2	0.63	NO	7.172e2	0.92032	0.92032	0.166
4	Total Penta-Dioxins	29.22	4.304e3	5.369e3	2.369e2	3.417e2	0.69	NO	5.786e2	0.74253	0.74253	0.166
5	Total Penta-Dioxins	29.46	5.390e3	7.435e3	3.971e2	5.573e2	0.71	NO	9.544e2	1.2246	1.2246	0.166
6	1,2,3,7,8-PeCDD	30.19	3.956e3	7.404e3	2.248e2	3.580e2	0.63	NO	5.828e2	0.74783	0.74783	0.166
7	Total Penta-Dioxins	30.51	2.135e3	3.076e3	1.012e2	1.622e2	0.62	NO	2.634e2	0.33795	0.33795	0.166

Vista Analytical Laboratory

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Name: 200930D2_18, Date: 01-Oct-2020, Time: 01:46:37, ID: 2002003-06 PDI-018SC-A-05-06-190926 10.33, Description: PDI-018SC-A-05-06-190926

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	31.79	9.592e4	8.131e4	5.091e3	4.003e3	1.27	NO	9.094e3	12.361	12.361	0.270
2	Total Hexa-Dioxins	32.38	1.839e4	1.434e4	8.168e2	6.957e2	1.17	NO	1.512e3	2.0559	2.0559	0.270
3	Total Hexa-Dioxins	32.67	1.040e5	8.207e4	5.112e3	3.847e3	1.33	NO	8.959e3	12.177	12.177	0.270
4	1,2,3,4,7,8-HxCDD	33.42	4.163e3	4.527e3	2.726e2	1.943e2	1.40	NO	4.668e2	0.60089	0.60089	0.254
5	1,2,3,6,7,8-HxCDD	33.54	3.068e4	2.387e4	1.836e3	1.498e3	1.23	NO	3.334e3	4.3692	4.3692	0.261
6	Total Hexa-Dioxins	33.70	3.617e3	1.828e3	1.886e2	1.182e2	1.60	YES	0.000e0	0.00000	0.35979	0.270
7	1,2,3,7,8,9-HxCDD	33.81	1.130e4	9.406e3	6.554e2	5.273e2	1.24	NO	1.183e3	1.5144	1.5144	0.257

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.30	7.392e5	7.299e5	4.301e4	4.184e4	1.03	NO	8.485e4	136.03	136.03	1.15
2	1,2,3,4,6,7,8-HpCDD	37.20	5.469e5	5.287e5	3.051e4	2.900e4	1.05	NO	5.951e4	95.409	95.409	1.15

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Name: 200930D2_18, Date: 01-Oct-2020, Time: 01:46:37, ID: 2002003-06 PDI-018SC-A-05-06-190926 10.33, Description: PDI-018SC-A-05-06-190926

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.33	3.288e3	4.047e3	2.493e2	3.136e2	0.80	NO	5.629e2	0.34510	0.34510	0.150
2	Total Tetra-Furans	20.90	7.368e3	9.251e3	6.845e2	9.963e2	0.69	NO	1.681e3	1.0305	1.0305	0.150
3	Total Tetra-Furans	21.65	5.881e4	6.989e4	5.104e3	6.129e3	0.83	NO	1.123e4	6.8865	6.8865	0.150
4	Total Tetra-Furans	21.98	3.507e3	4.920e3	3.496e2	4.179e2	0.84	NO	7.674e2	0.47050	0.47050	0.150
5	Total Tetra-Furans	22.11	2.585e3	4.297e3	3.103e2	4.708e2	0.66	NO	0.000e0	0.00000	0.47885	0.150
6	Total Tetra-Furans	22.47	2.451e4	2.951e4	2.064e3	2.655e3	0.78	NO	4.718e3	2.8929	2.8929	0.150
7	Total Tetra-Furans	22.89	3.830e4	4.537e4	3.307e3	3.824e3	0.86	NO	7.131e3	4.3722	4.3722	0.150
8	Total Tetra-Furans	23.19	3.510e3	3.562e3	2.819e2	3.041e2	0.93	YES	0.000e0	0.00000	0.33004	0.150
9	Total Tetra-Furans	23.67	4.494e3	5.180e3	3.479e2	4.494e2	0.77	NO	7.973e2	0.48883	0.48883	0.150
10	Total Tetra-Furans	23.86	3.167e4	4.639e4	2.578e3	3.627e3	0.71	NO	6.206e3	3.8046	3.8046	0.150
11	Total Tetra-Furans	24.14	4.396e3	4.650e3	2.898e2	3.512e2	0.83	NO	6.411e2	0.39303	0.39303	0.150
12	Total Tetra-Furans	24.29	6.057e3	7.791e3	4.407e2	5.495e2	0.80	NO	9.902e2	0.60710	0.60710	0.150
13	Total Tetra-Furans	24.95	2.409e3	2.691e3	1.311e2	1.942e2	0.68	NO	3.252e2	0.19939	0.19939	0.150
14	Total Tetra-Furans	25.07	3.321e3	4.731e3	2.280e2	3.149e2	0.72	NO	5.430e2	0.33290	0.33290	0.150
15	2,3,7,8-TCDF	25.18	7.265e3	6.854e3	4.698e2	4.709e2	1.00	YES	9.407e2	0.00000	0.51103	0.150
16	Total Tetra-Furans	25.45	3.053e3	5.194e3	2.539e2	3.182e2	0.80	NO	5.721e2	0.35075	0.35075	0.150
17	Total Tetra-Furans	26.26	8.535e3	7.652e3	3.599e2	4.526e2	0.80	NO	8.125e2	0.49813	0.49813	0.150
18	Total Tetra-Furans	26.42	6.024e3	6.643e3	3.839e2	4.428e2	0.87	NO	8.267e2	0.50682	0.50682	0.150
19	Total Tetra-Furans	26.62	5.728e3	8.152e3	3.783e2	3.981e2	0.95	YES	0.000e0	0.00000	0.43198	0.150

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.60	5.214e5	3.088e5	2.769e4	1.687e4	1.64	NO	4.456e4	35.250	35.250	0.0572

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Name: 200930D2_18, Date: 01-Oct-2020, Time: 01:46:37, ID: 2002003-06 PDI-018SC-A-05-06-190926 10.33, Description: PDI-018SC-A-05-06-190926

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	27.97	1.004e4	6.119e3	6.695e2	4.197e2	1.59	NO	1.089e3	0.86159	0.86159	0.181
2	Total Penta-Furans	28.09	1.336e5	9.262e4	1.029e4	6.813e3	1.51	NO	1.710e4	13.527	13.527	0.181
3	Total Penta-Furans	28.66	6.558e4	4.402e4	3.676e3	2.340e3	1.57	NO	6.016e3	4.7589	4.7589	0.181
4	Total Penta-Furans	28.82	5.136e3	3.355e3	3.191e2	1.717e2	1.86	YES	0.000e0	0.00000	0.34641	0.181
5	1,2,3,7,8-PeCDF	29.02	8.579e3	5.430e3	4.800e2	3.013e2	1.59	NO	7.814e2	0.60246	0.60246	0.177
6	Total Penta-Furans	29.26	2.091e4	1.280e4	1.684e3	1.046e3	1.61	NO	2.730e3	2.1598	2.1598	0.181
7	Total Penta-Furans	29.82	4.598e3	3.189e3	2.265e2	1.419e2	1.60	NO	3.684e2	0.29141	0.29141	0.181
8	2,3,4,7,8-PeCDF	30.00	6.710e4	4.301e4	4.234e3	2.725e3	1.55	NO	6.959e3	5.2490	5.2490	0.172

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.28	2.397e5	1.854e5	1.168e4	9.289e3	1.26	NO	2.097e4	20.936	20.936	0.382
2	Total Hexa-Furans	31.43	5.872e5	4.610e5	2.866e4	2.240e4	1.28	NO	5.106e4	50.969	50.969	0.382
3	Total Hexa-Furans	31.82	6.736e3	5.064e3	3.373e2	2.513e2	1.34	NO	5.886e2	0.58756	0.58756	0.382
4	Total Hexa-Furans	32.04	8.370e5	6.597e5	4.101e4	3.246e4	1.26	NO	7.348e4	73.353	73.353	0.382
5	Total Hexa-Furans	32.41	5.417e3	4.292e3	3.164e2	2.748e2	1.15	NO	5.912e2	0.59015	0.59015	0.382
6	1,2,3,4,7,8-HxCDF	32.52	4.086e4	3.158e4	2.123e3	1.746e3	1.22	NO	3.869e3	3.7705	3.7705	0.351
7	1,2,3,6,7,8-HxCDF	32.65	7.580e4	7.081e4	4.425e3	3.742e3	1.18	NO	8.167e3	7.5604	7.5604	0.333
8	Total Hexa-Furans	32.94	4.266e3	4.064e3	2.071e2	1.616e2	1.28	NO	3.686e2	0.36802	0.36802	0.382
9	2,3,4,6,7,8-HxCDF	33.32	4.782e4	4.016e4	3.131e3	2.550e3	1.23	NO	5.681e3	5.7993	5.7993	0.397
10	1,2,3,7,8,9-HxCDF	34.33	9.380e3	7.830e3	4.020e2	3.179e2	1.26	NO	7.199e2	0.80610	0.80610	0.474
11	Total Hexa-Furans	34.36	7.566e3	6.565e3	3.277e2	2.771e2	1.18	NO	6.048e2	0.60375	0.60375	0.382

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	35.94	1.397e6	1.334e6	9.732e4	9.383e4	1.04	NO	1.912e5	223.50	223.50	0.565
2	Total Hepta-Furans	36.59	1.131e6	1.113e6	6.883e4	6.627e4	1.04	NO	1.351e5	180.03	180.03	0.595
3	1,2,3,4,7,8,9-HpCDF	37.86	1.233e4	1.303e4	8.464e2	7.870e2	1.08	NO	1.633e3	2.2245	2.2245	0.558

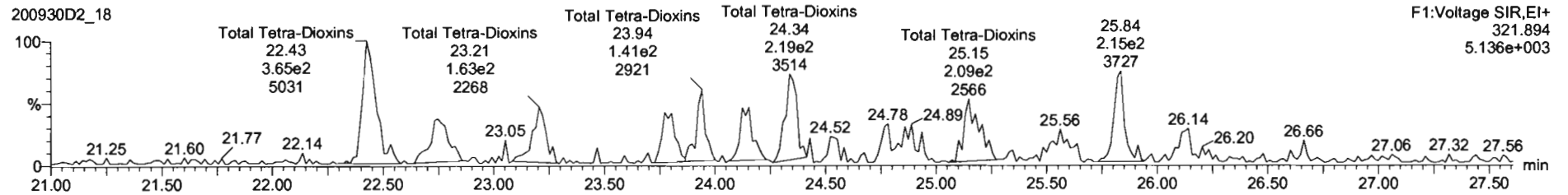
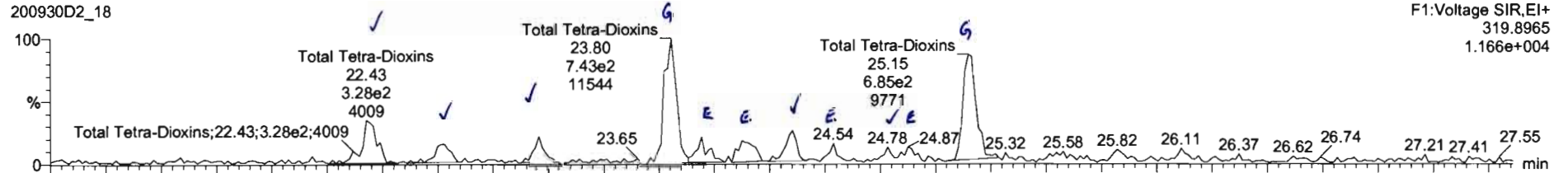
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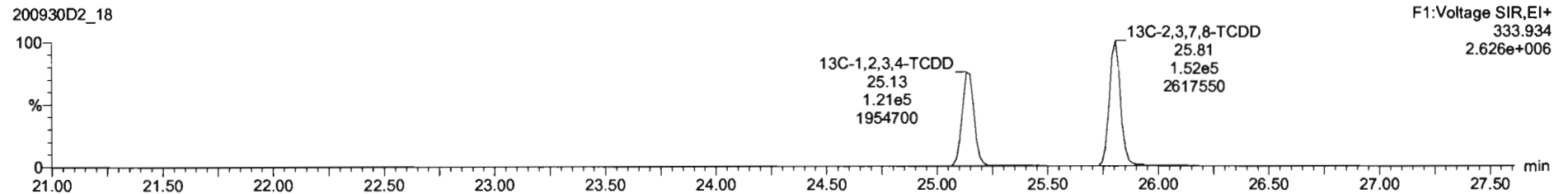
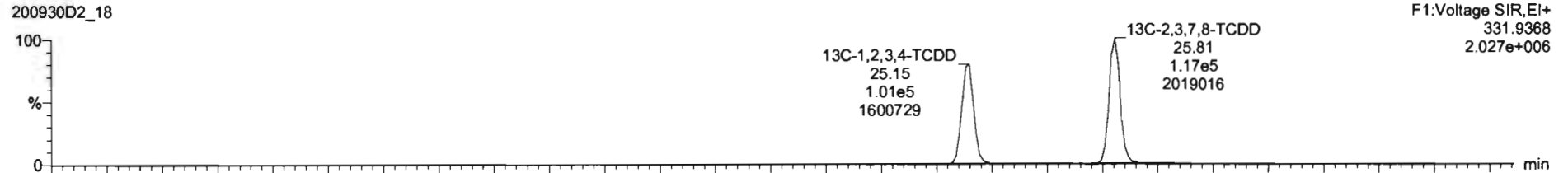
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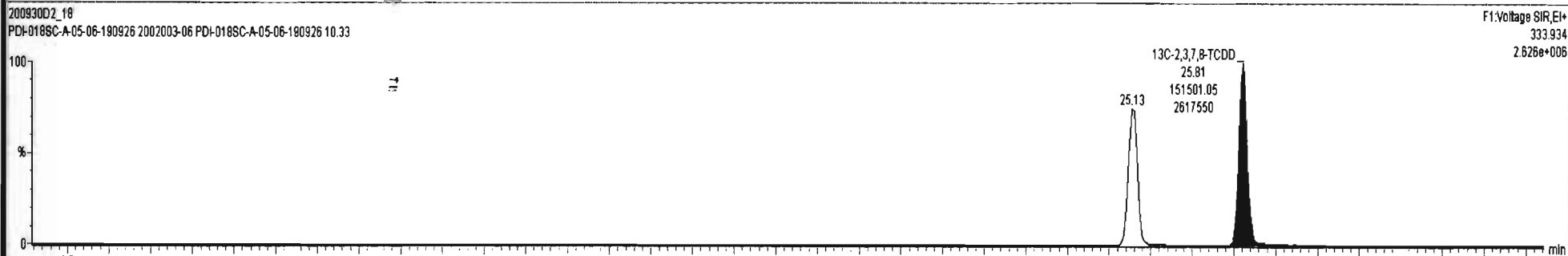
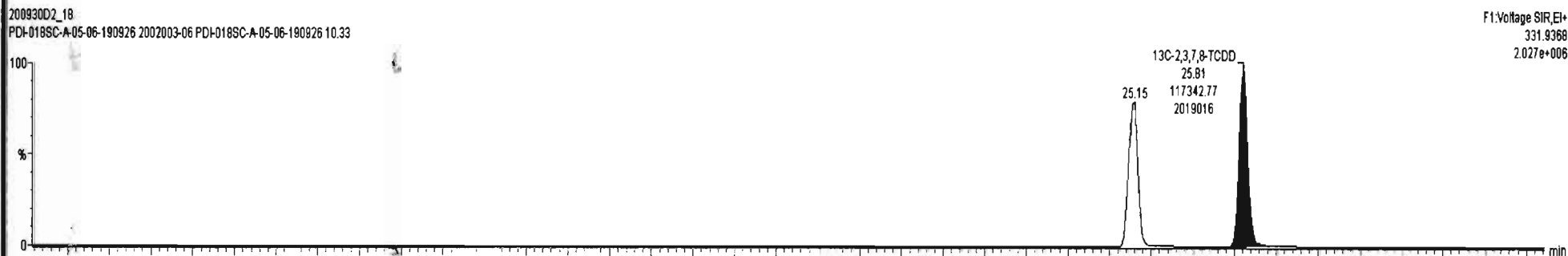
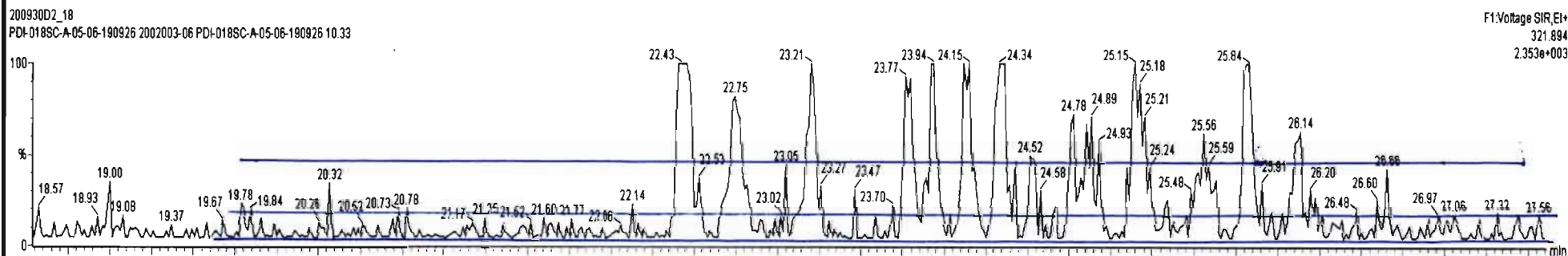
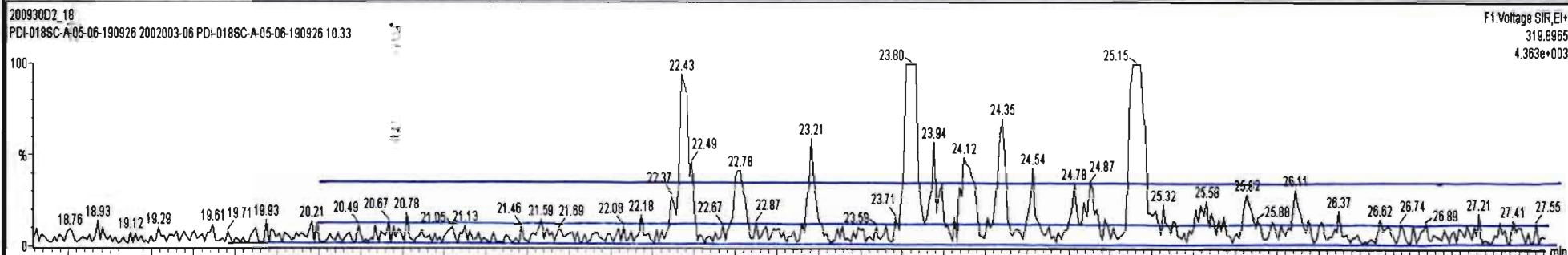
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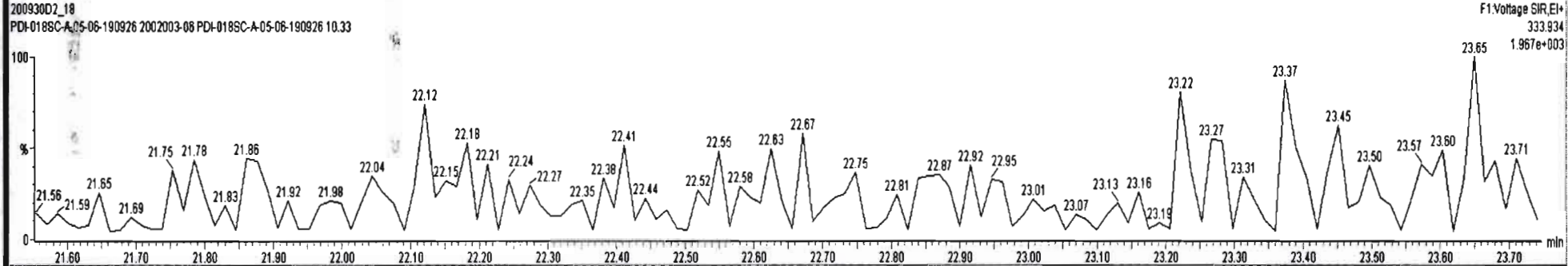
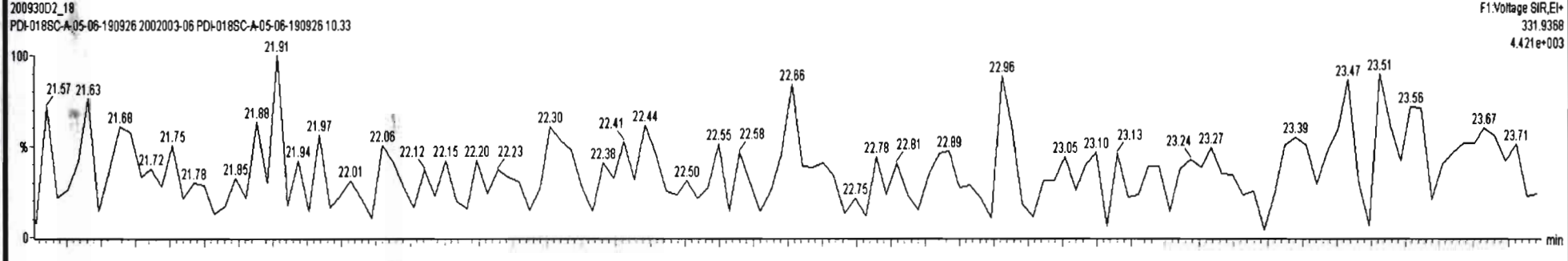
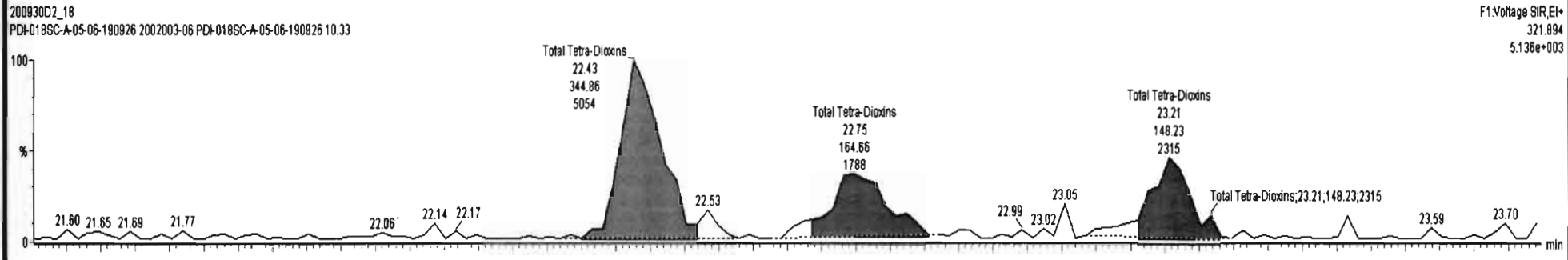
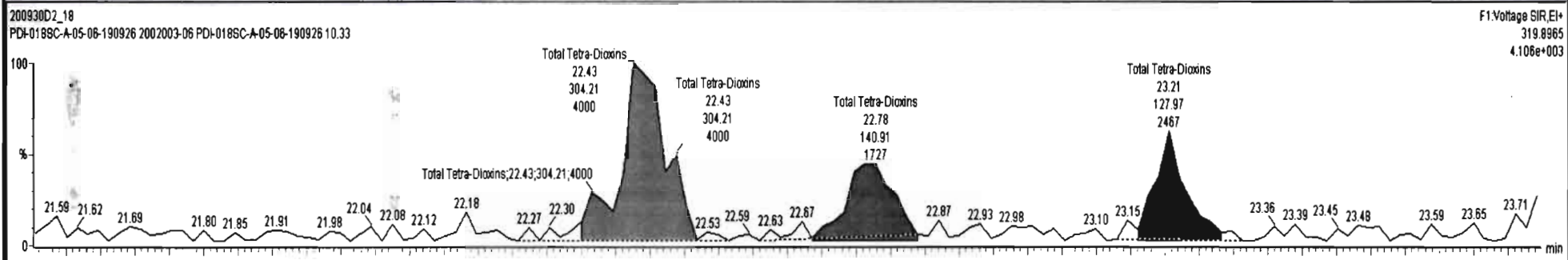
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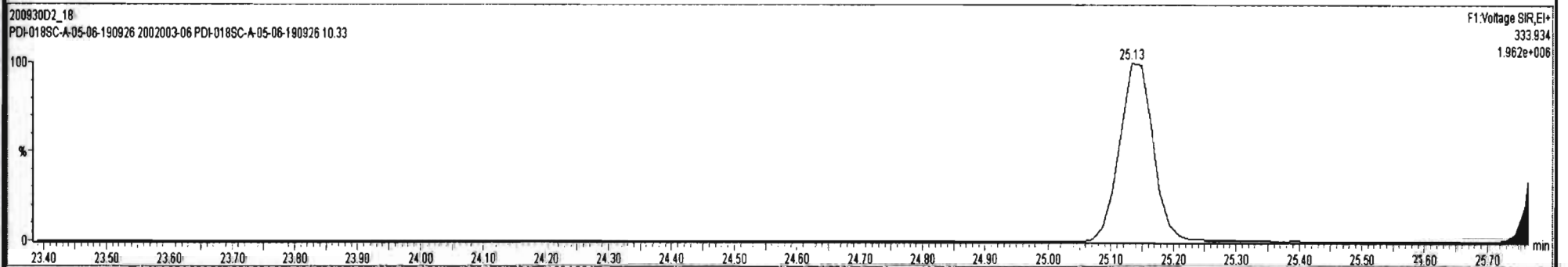
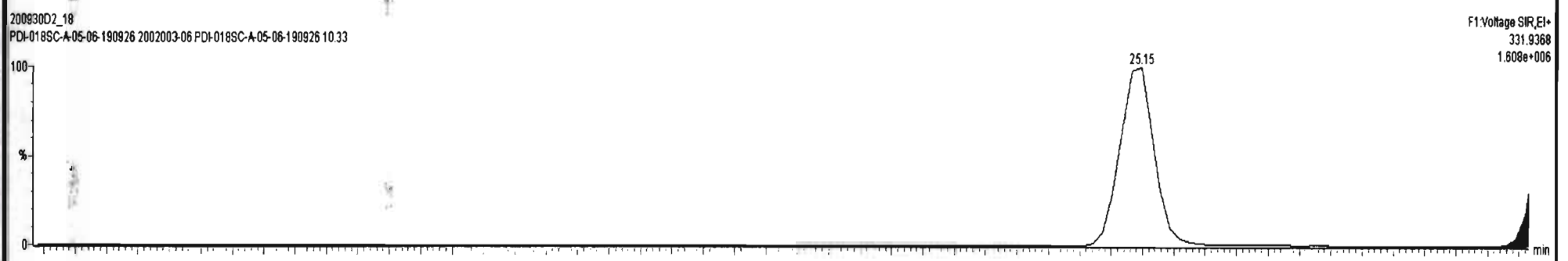
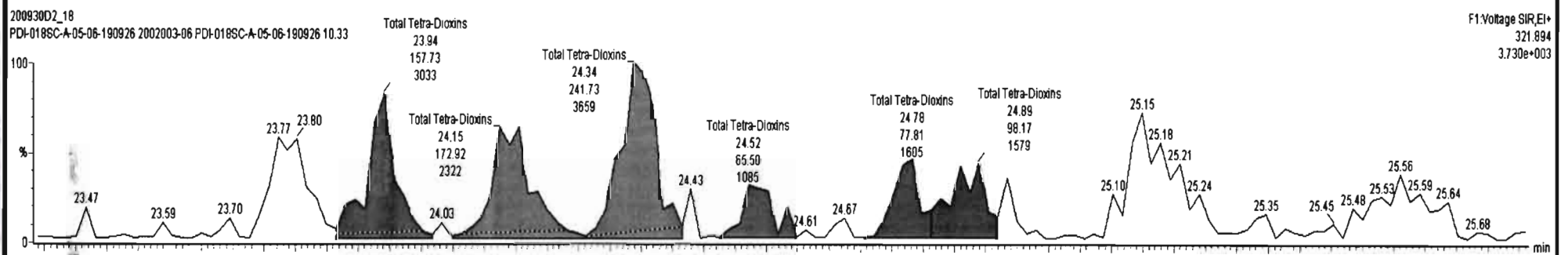
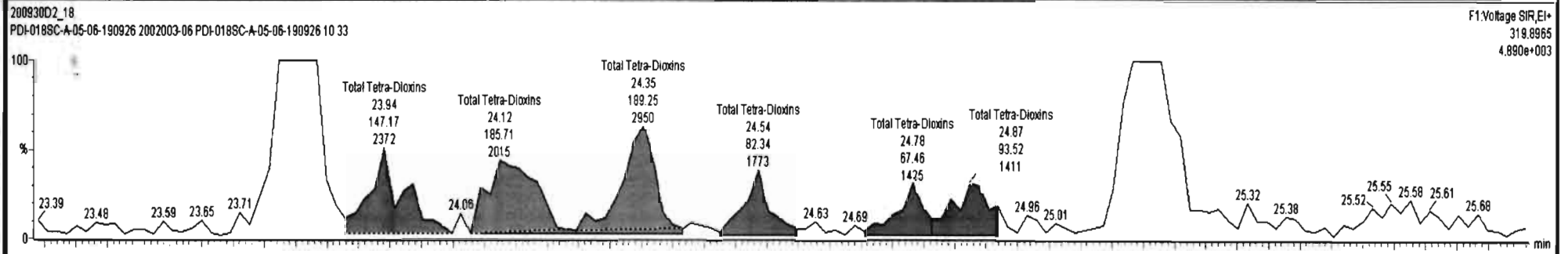


13C-2,3,7,8-TCDD









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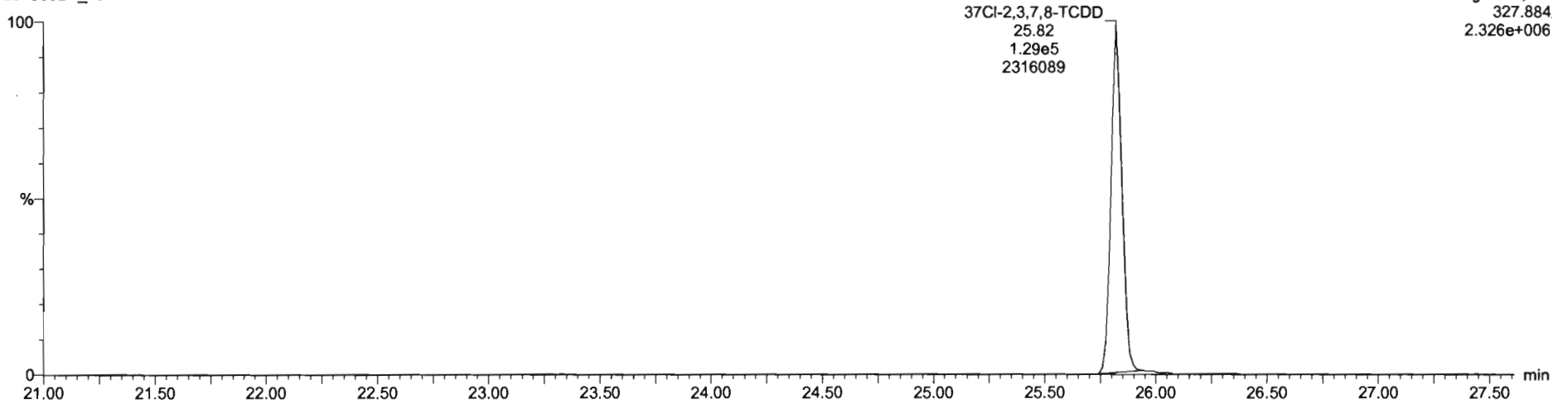
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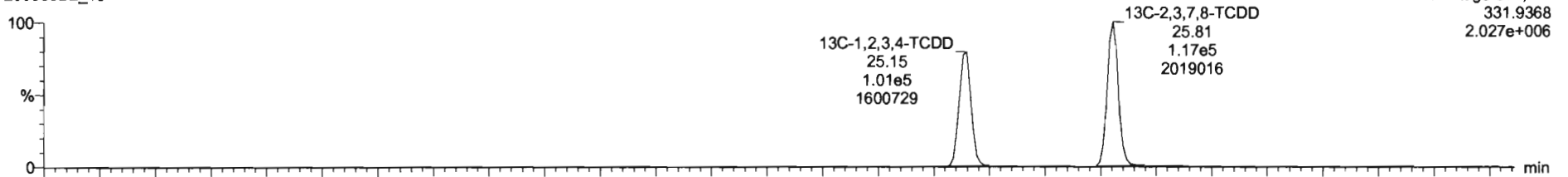
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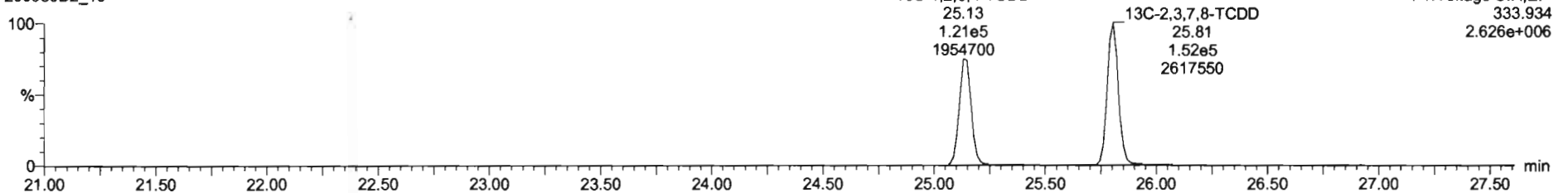


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200930D2_18



200930D2_18



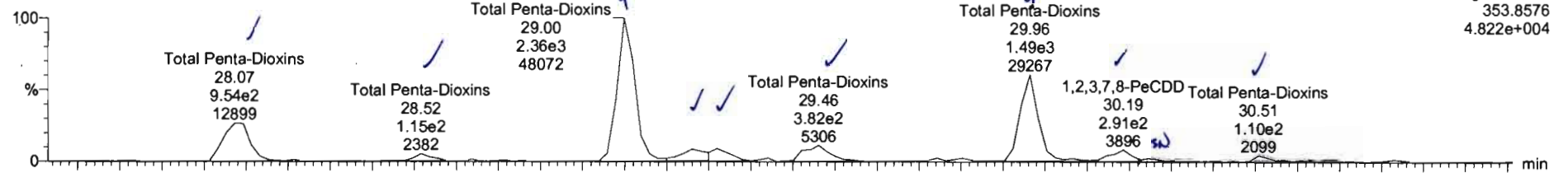
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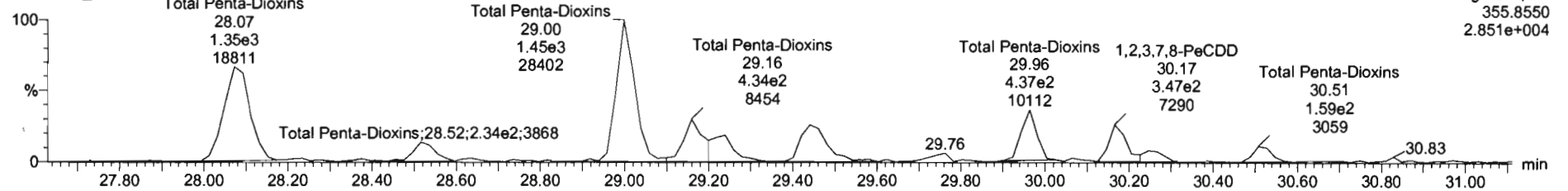
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1,2,3,7,8-PeCDD

200930D2_18

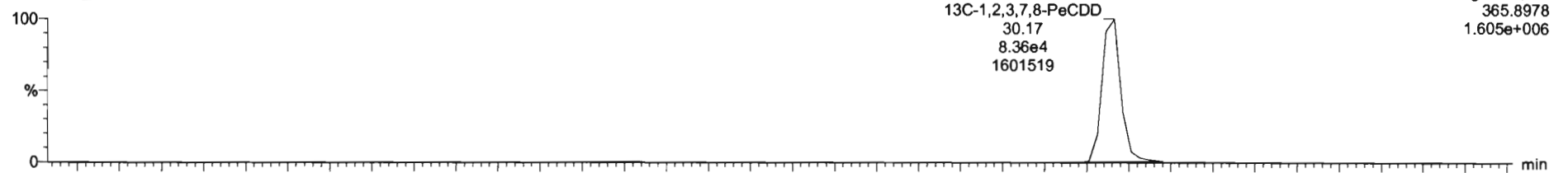


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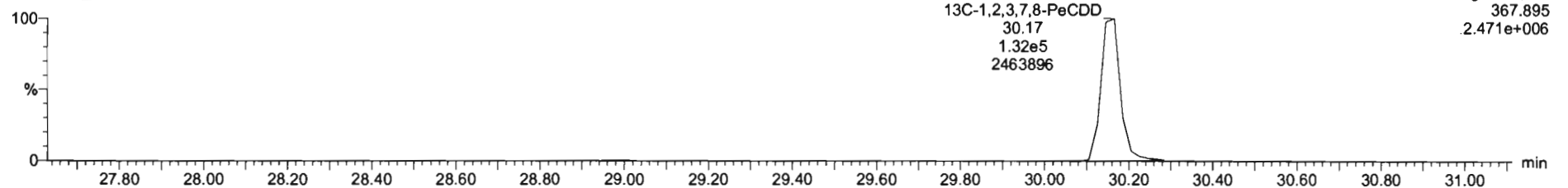


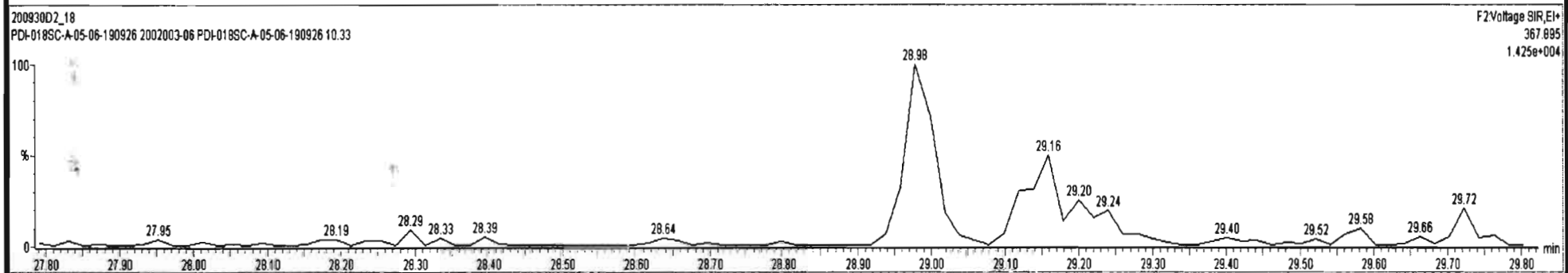
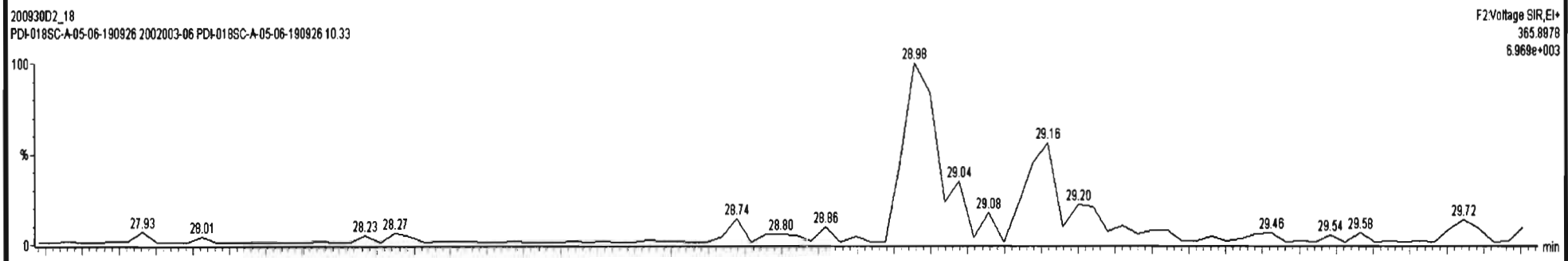
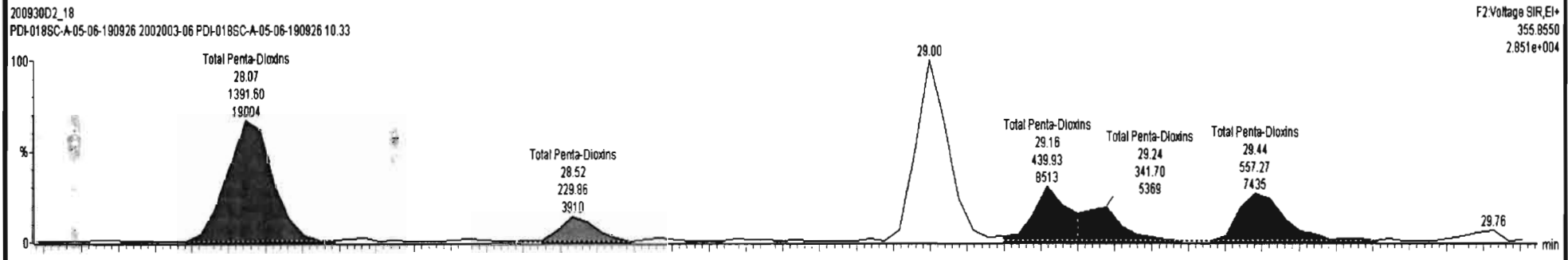
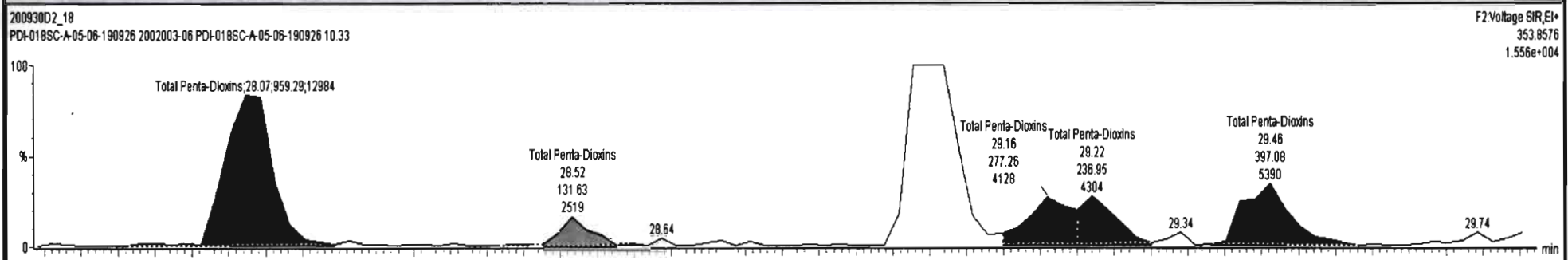
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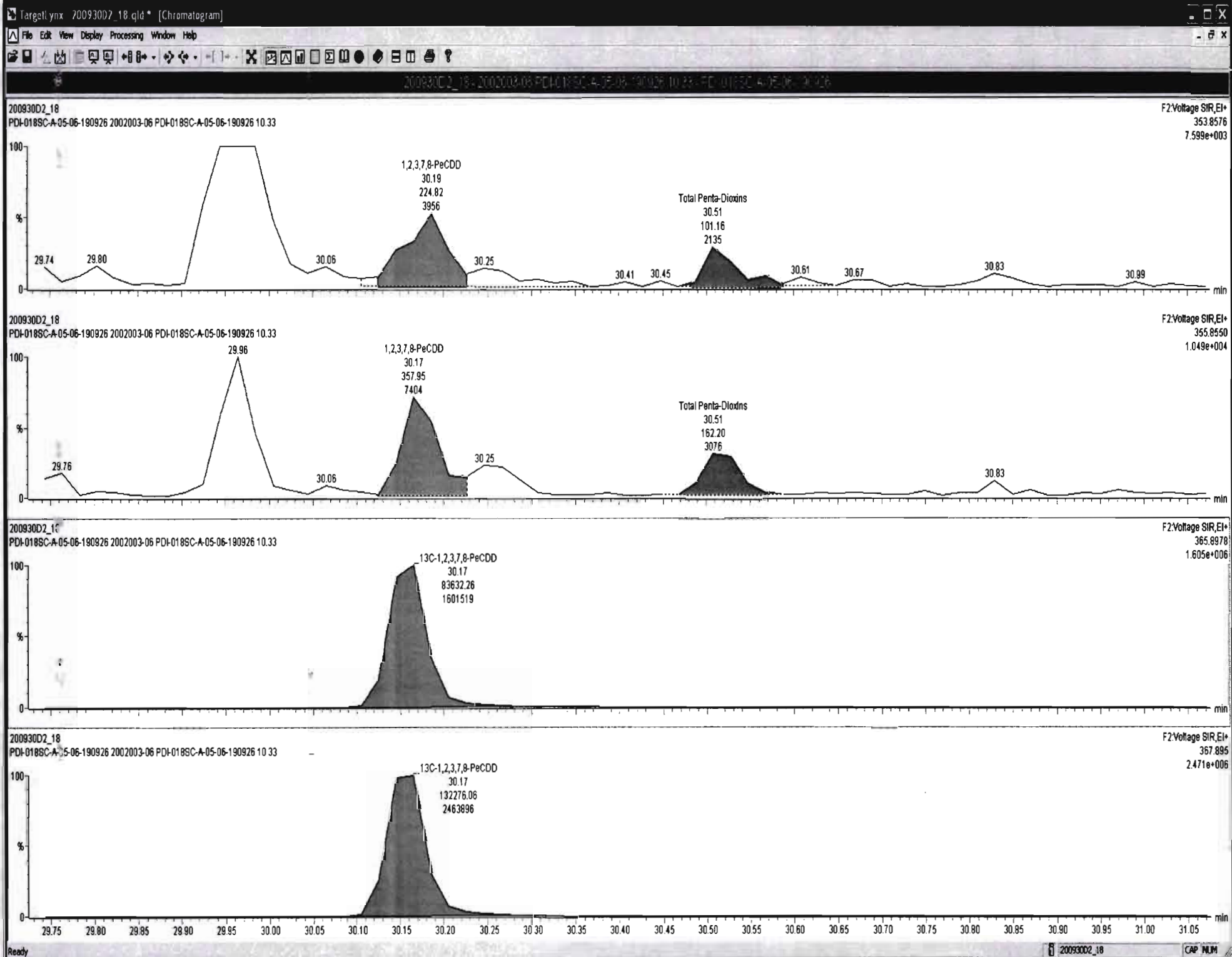
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200930D2_18







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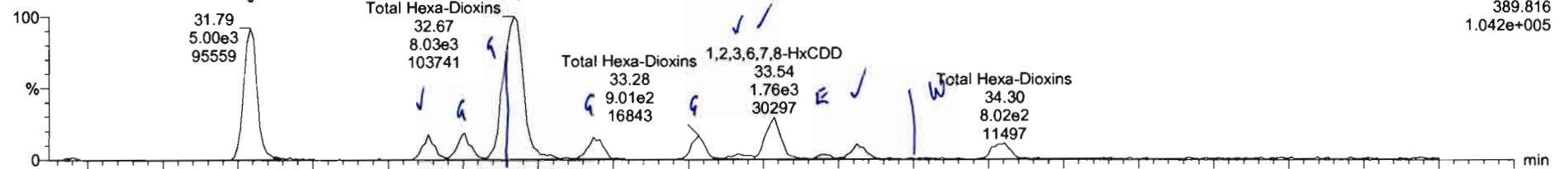
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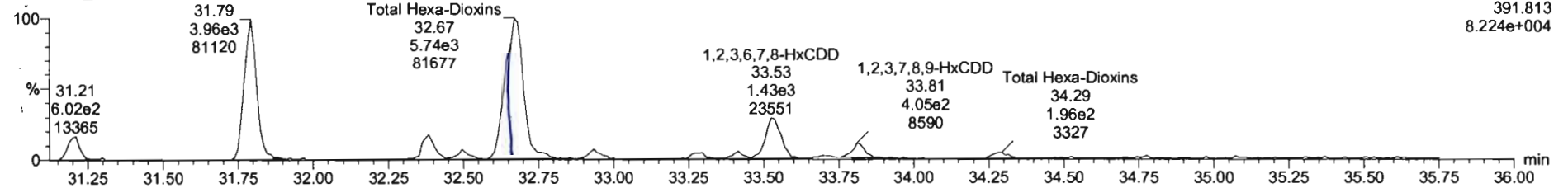
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1,2,3,4,7,8-HxCDD

200930D2_18

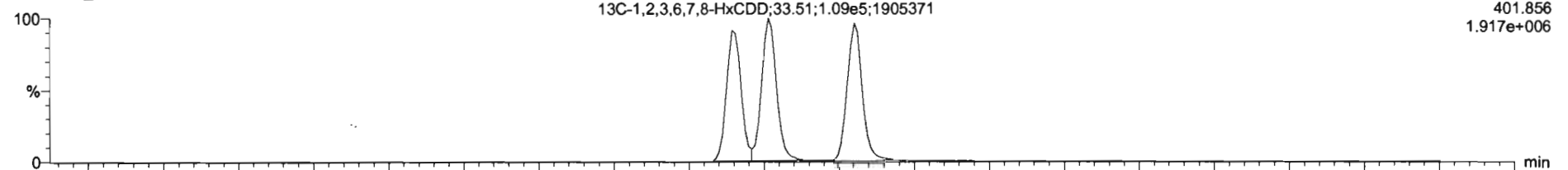


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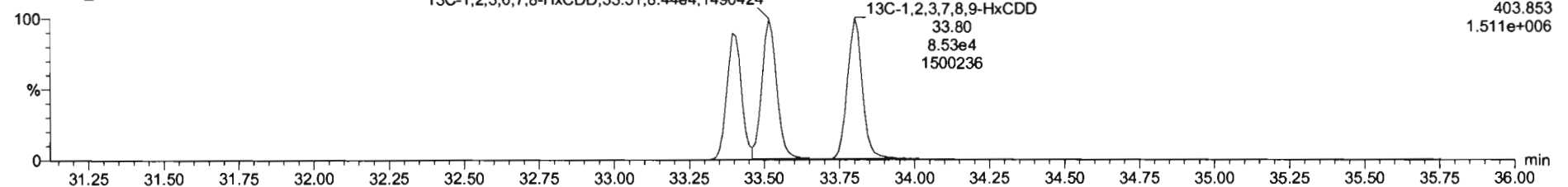


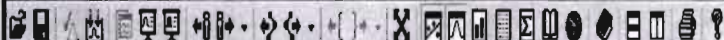
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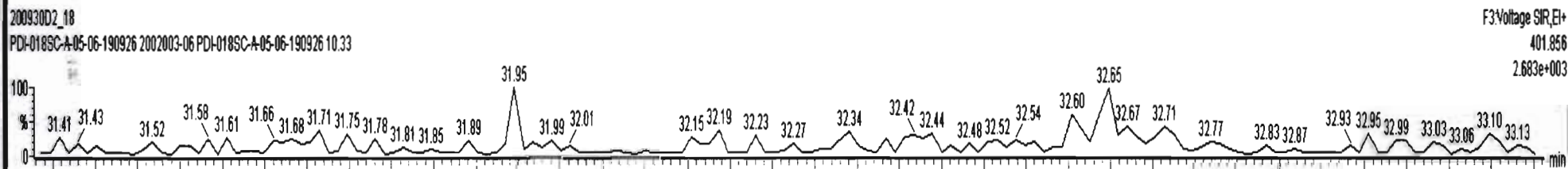
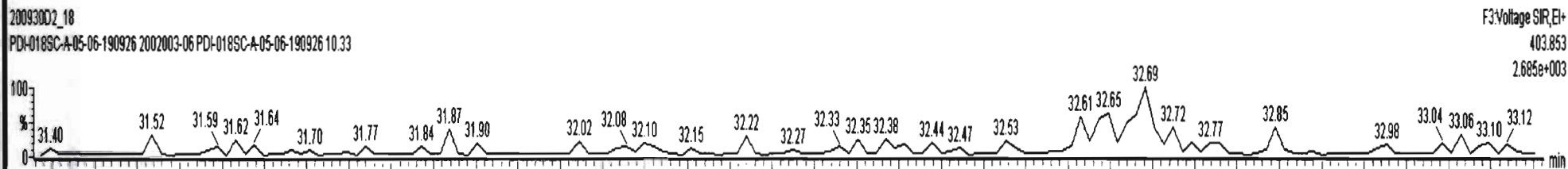
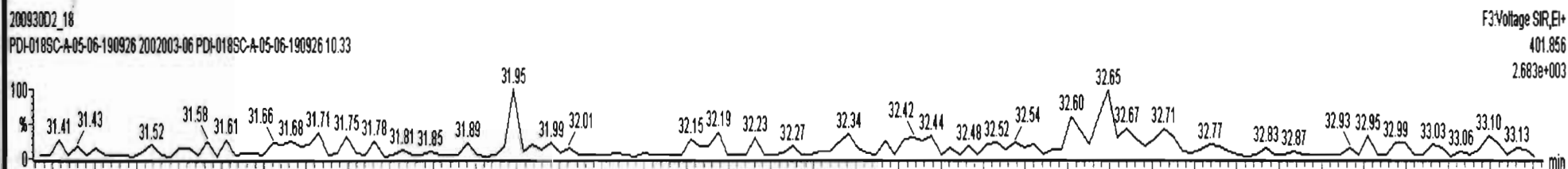
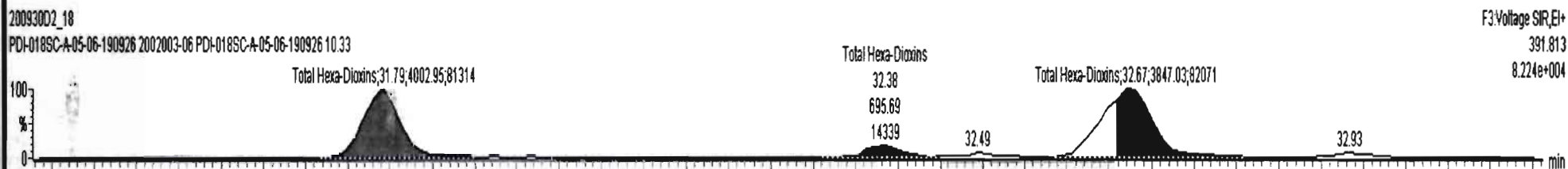
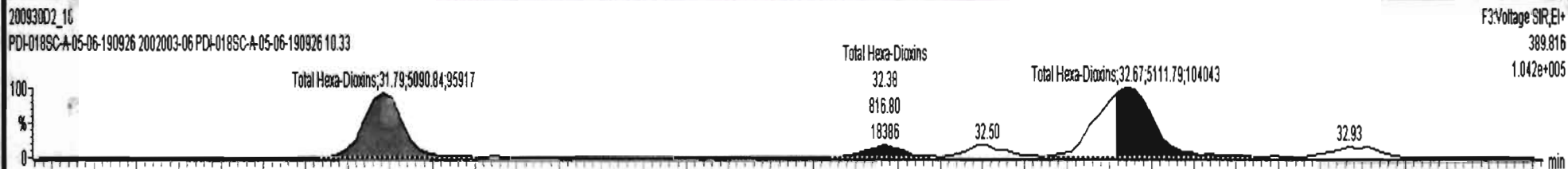


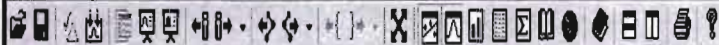
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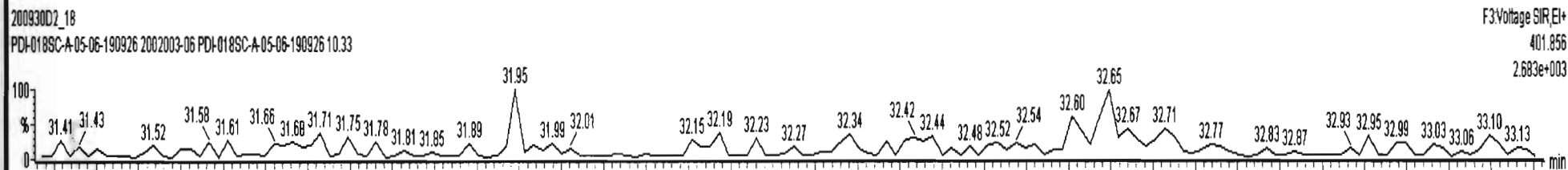
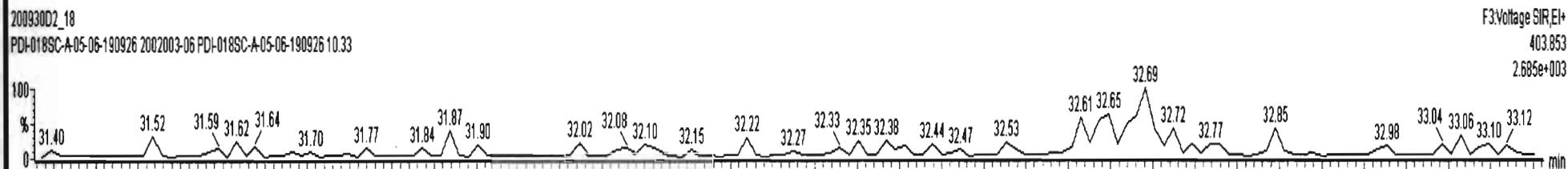
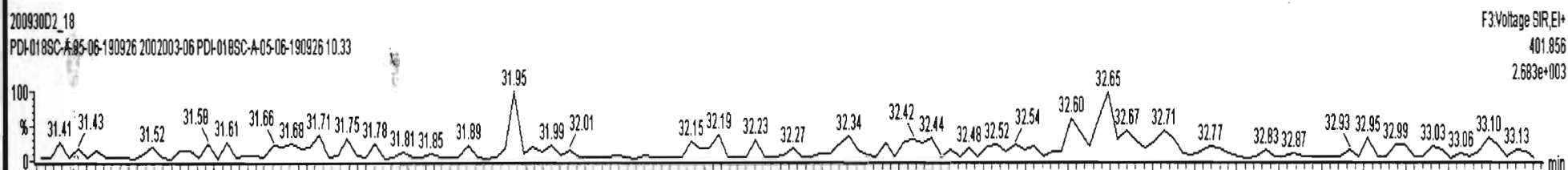
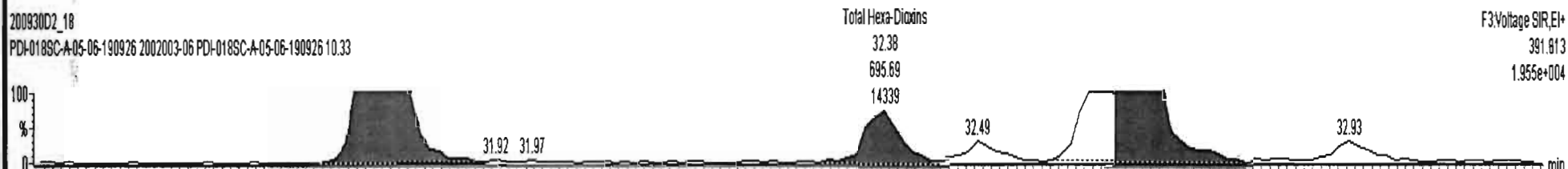
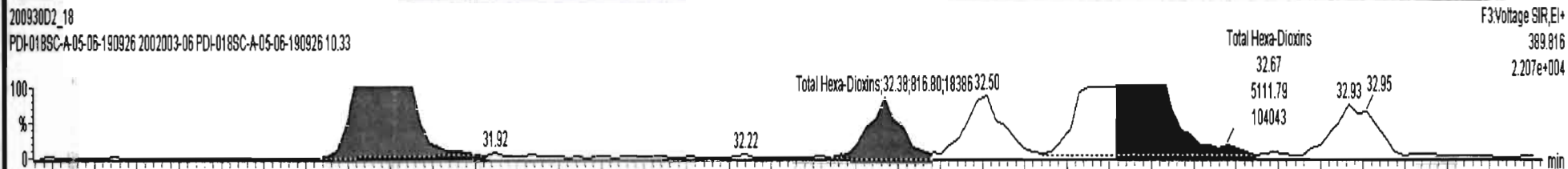


20093002_18 - 2002003-06 PDI-018SC-A-05-06-190926 10.33 - PDI-018SC-A-05-06-190926



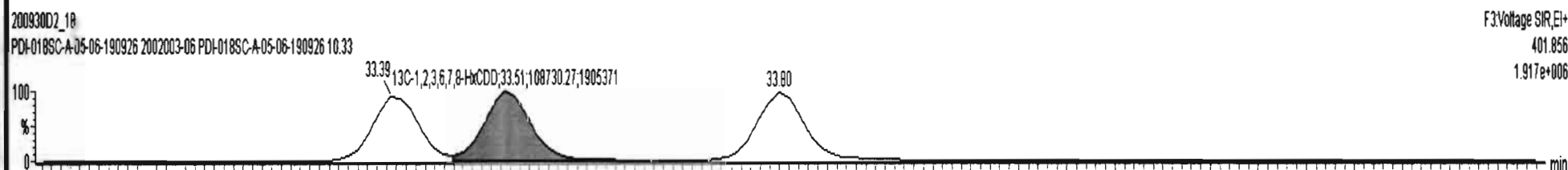
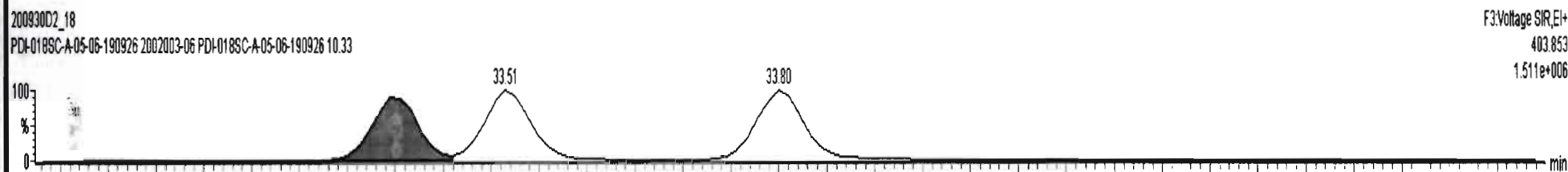
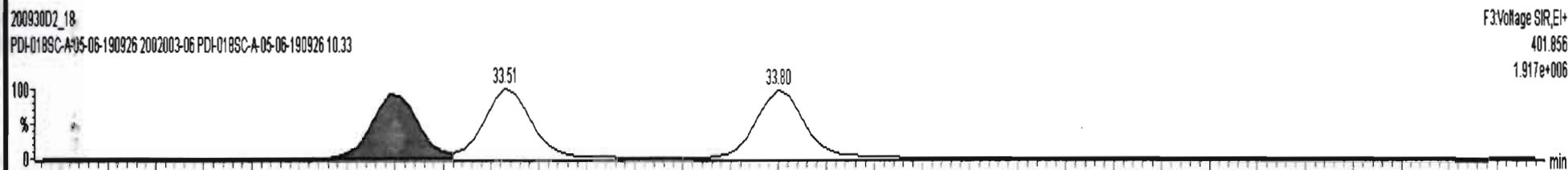
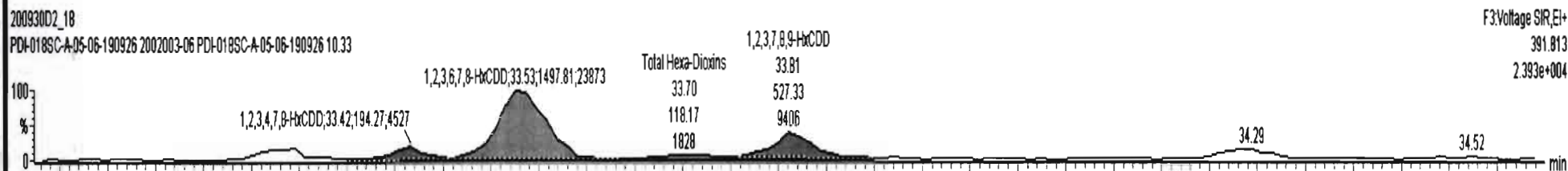
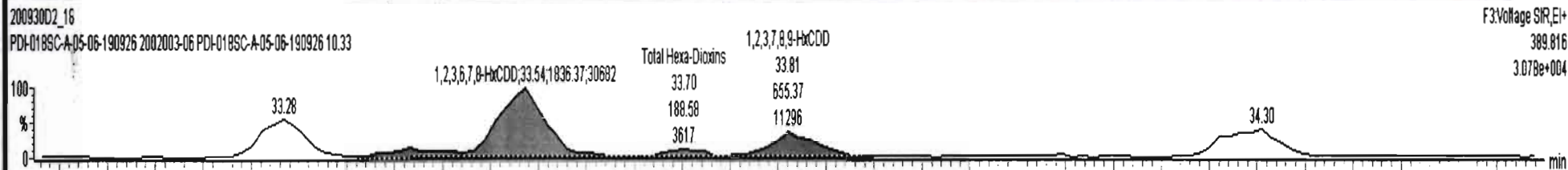


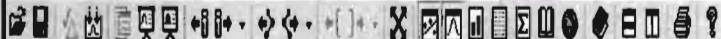
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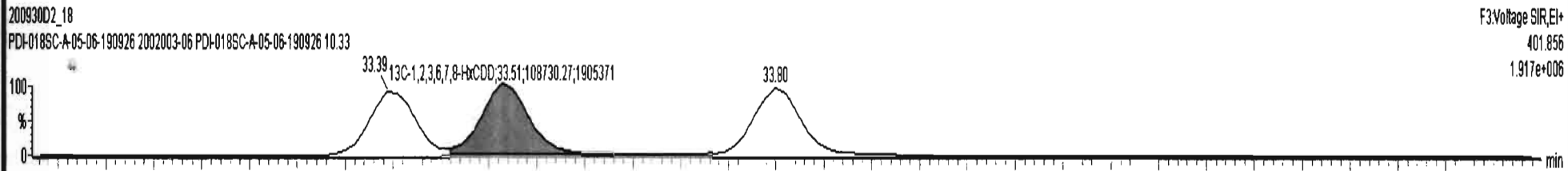
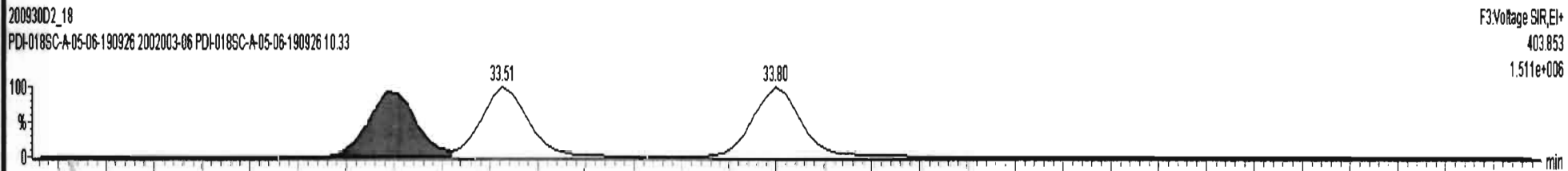
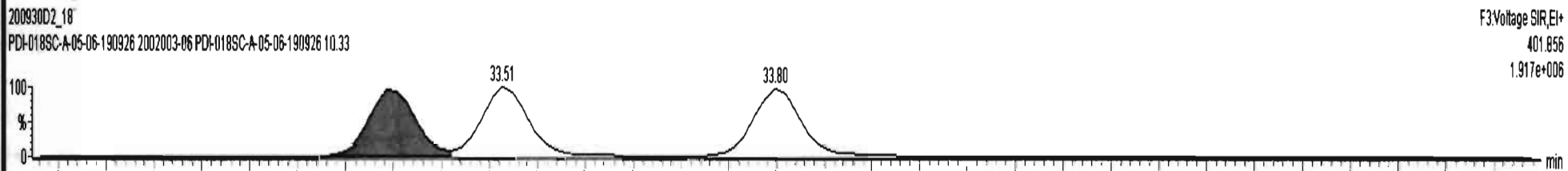
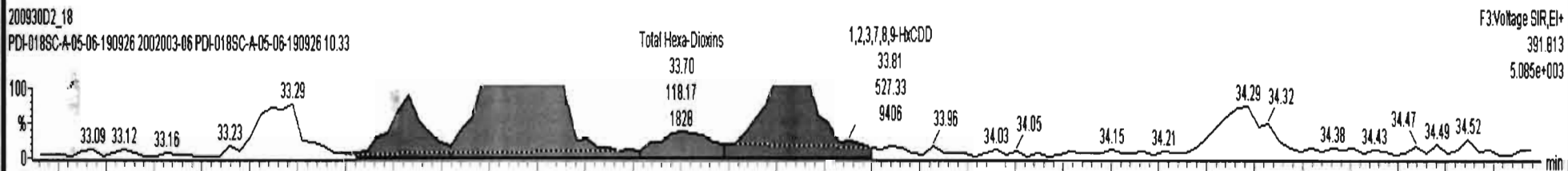
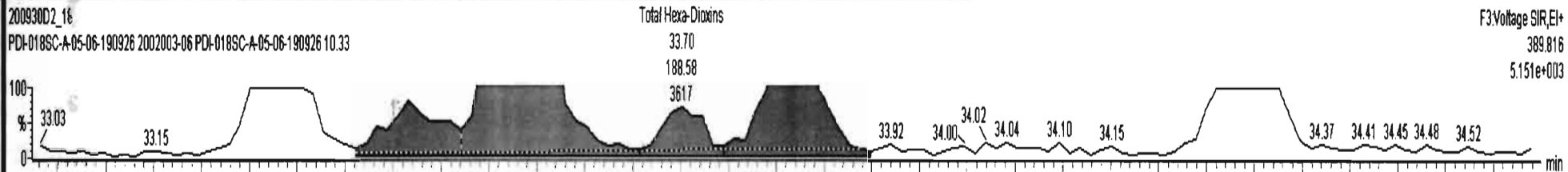


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20093002_18 - 2002003-06 PDI-0185C-A-05-06-190926 10.33 - PDI-0185C-A-05-06-190926



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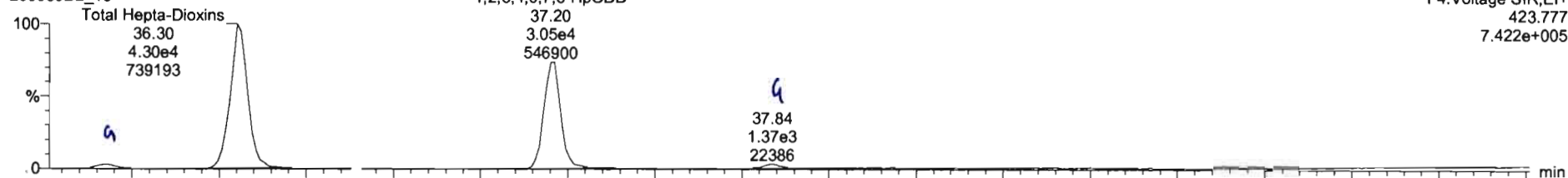
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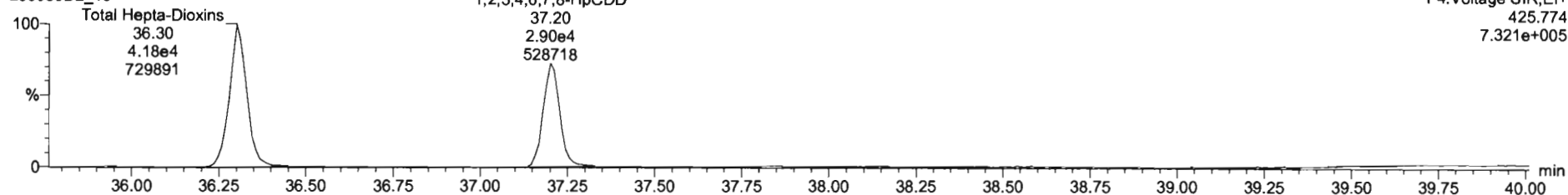
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1,2,3,4,6,7,8-HpCDD

200930D2_18

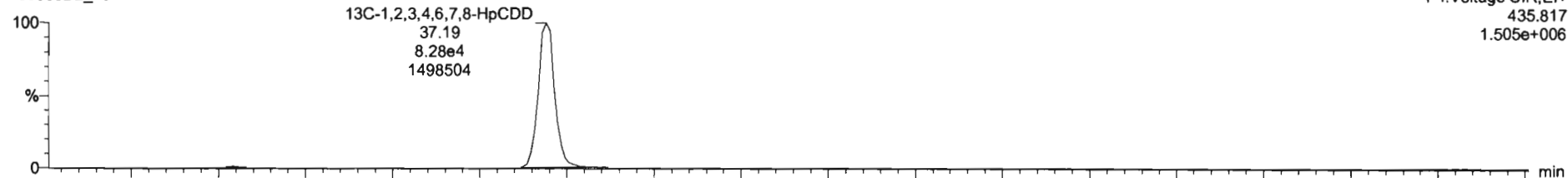


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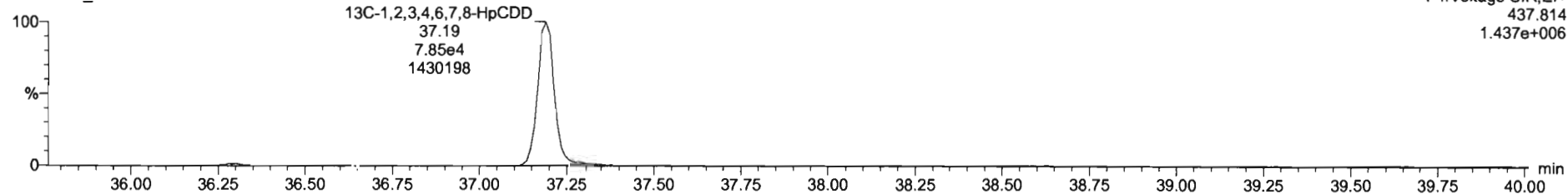


13C-1,2,3,4,6,7,8-HpCDD

200930D2_18



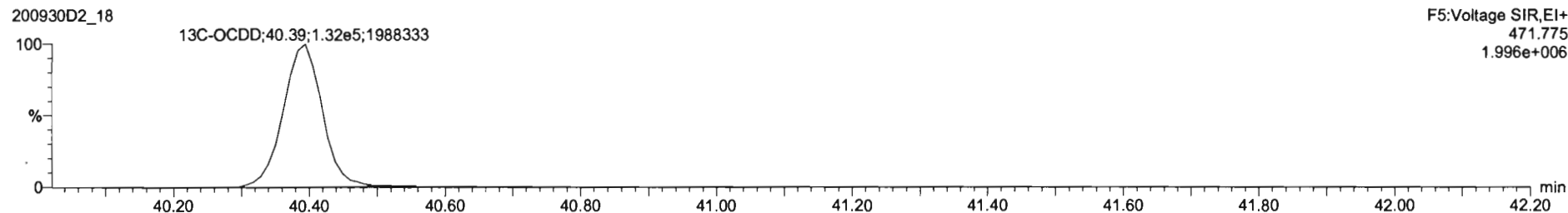
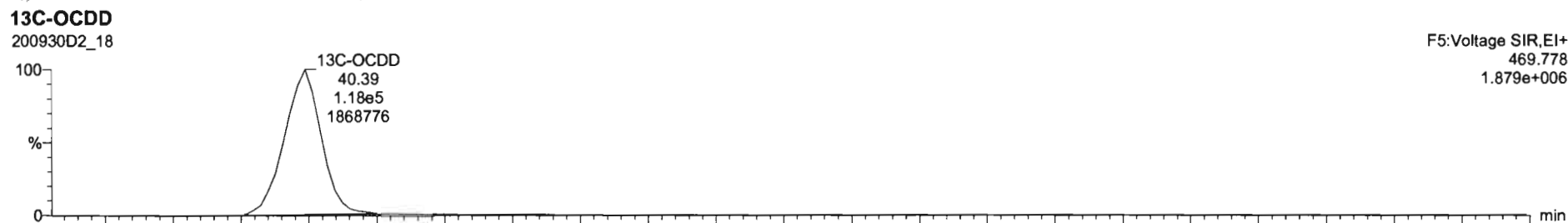
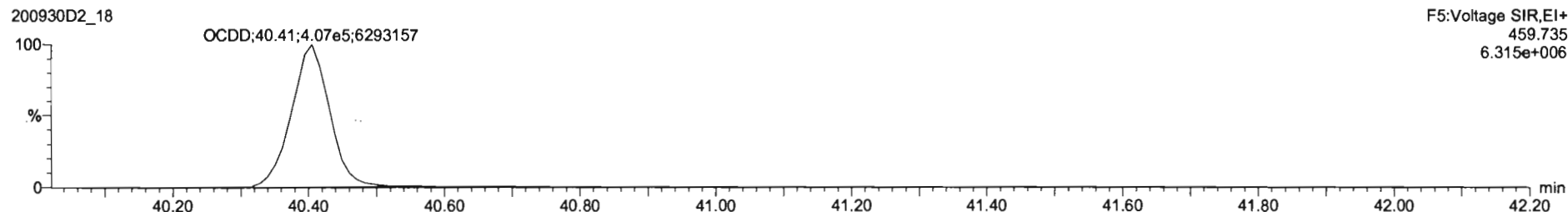
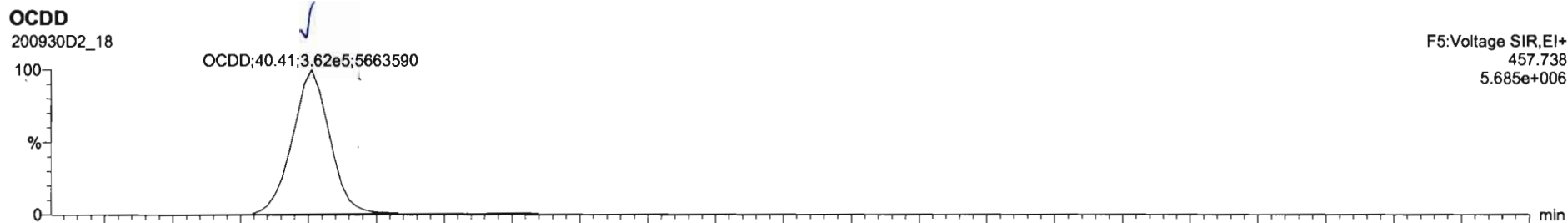
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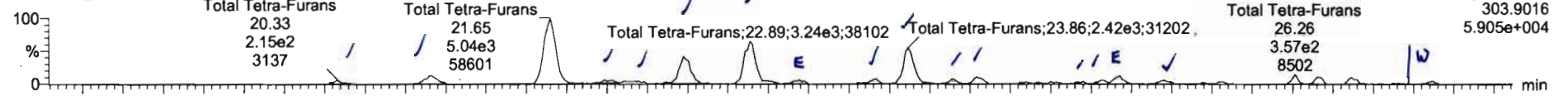
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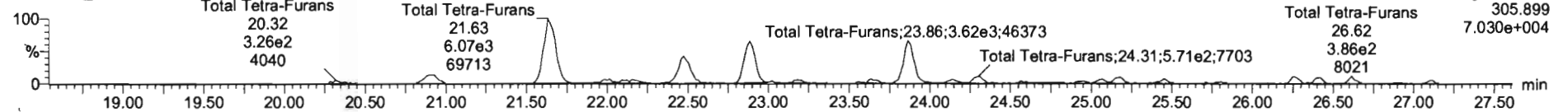
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2,3,7,8-TCDF

200930D2_18

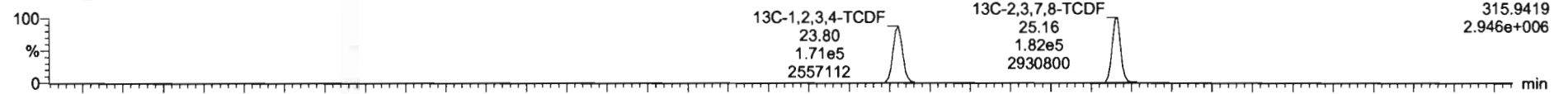


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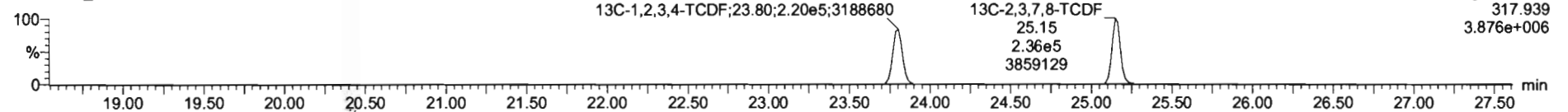


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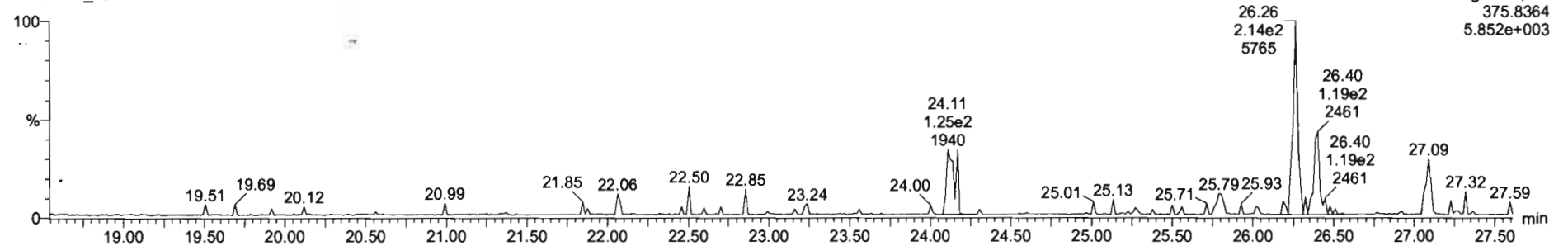


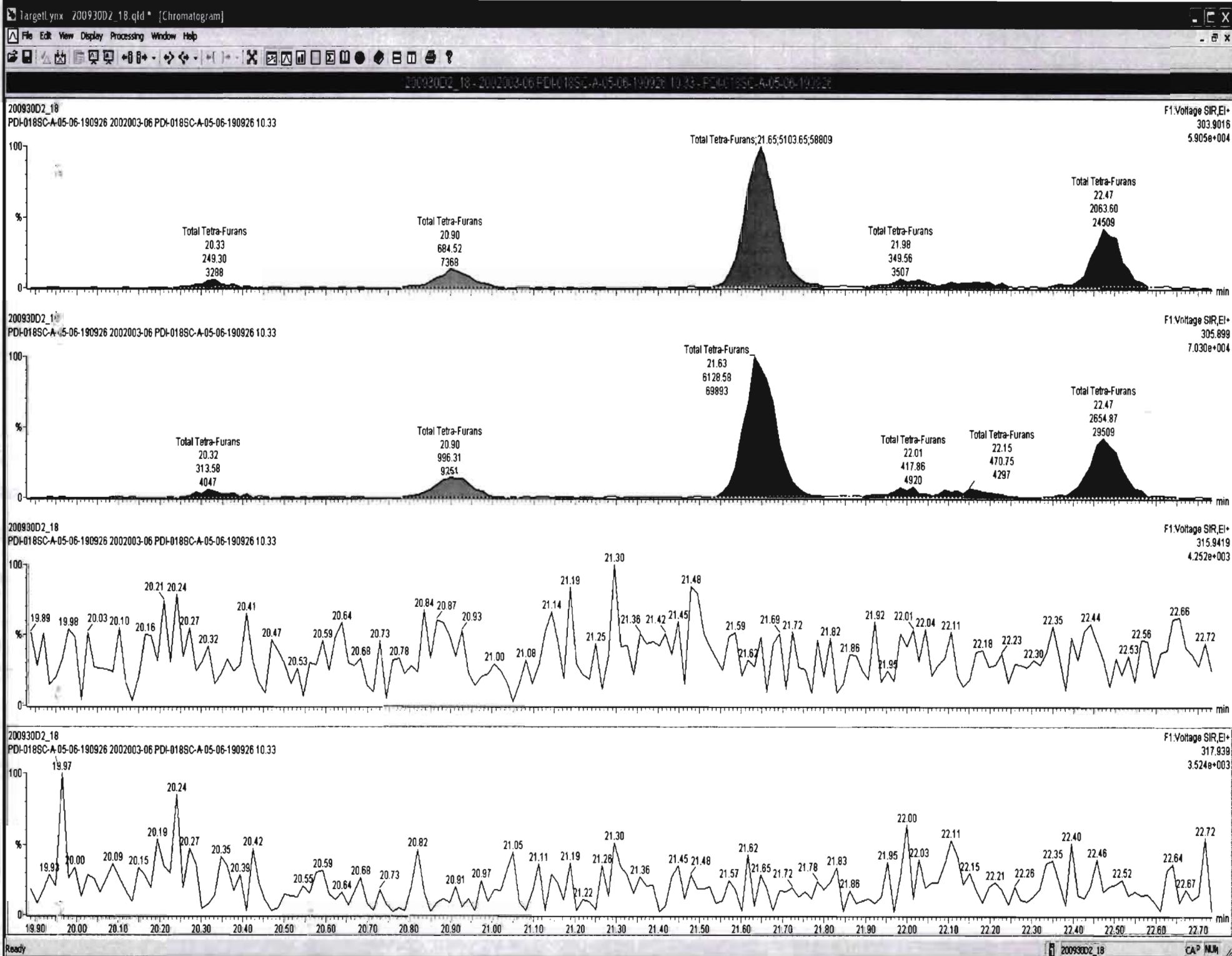
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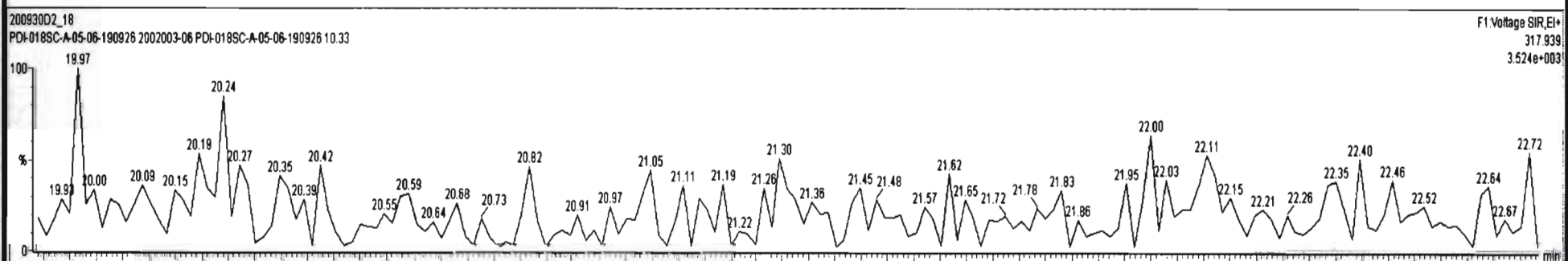
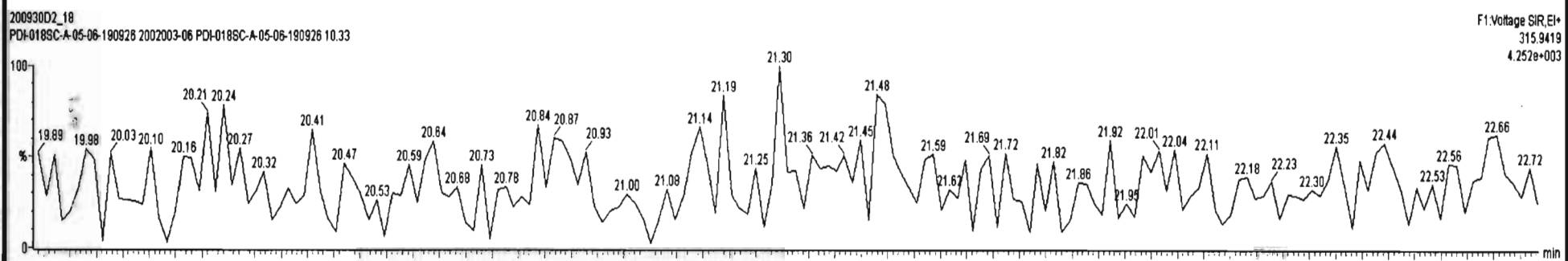
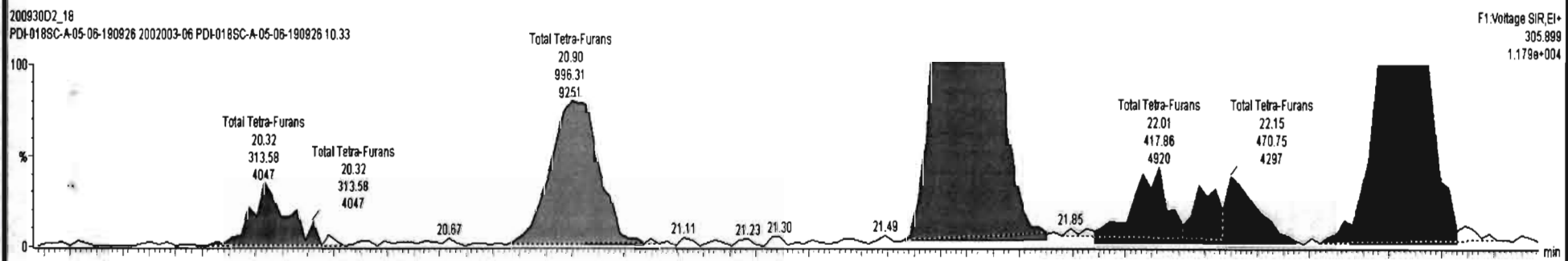
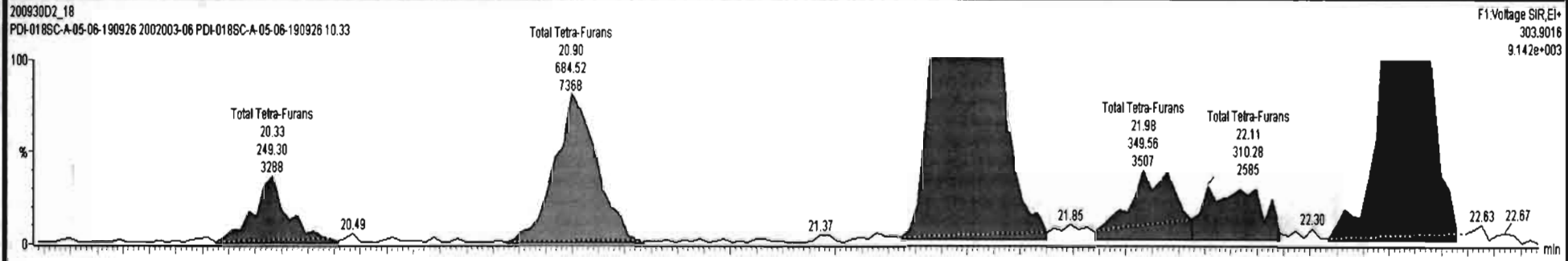
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200930D2_18

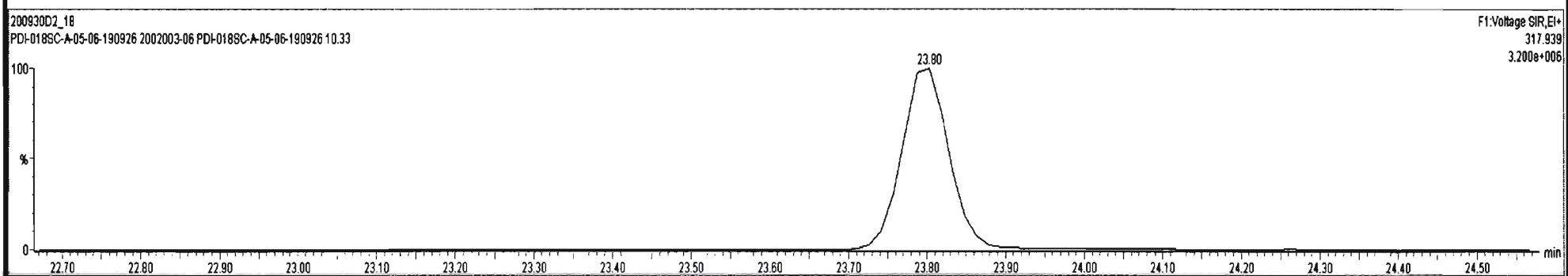
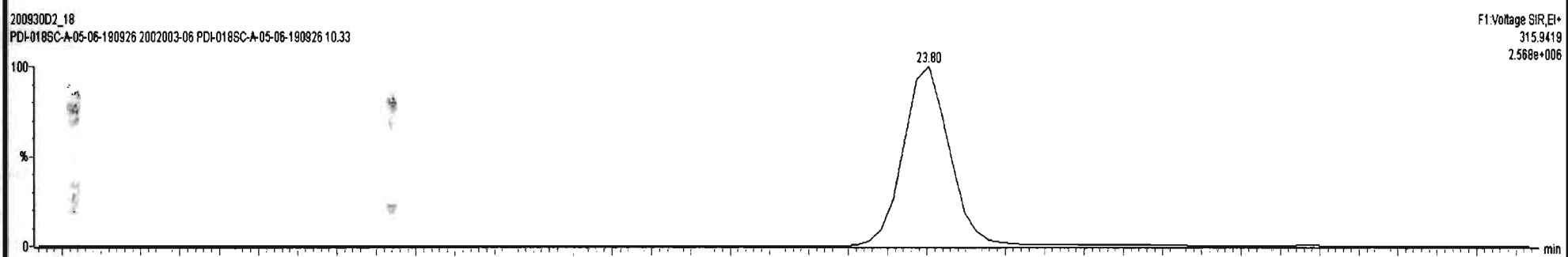
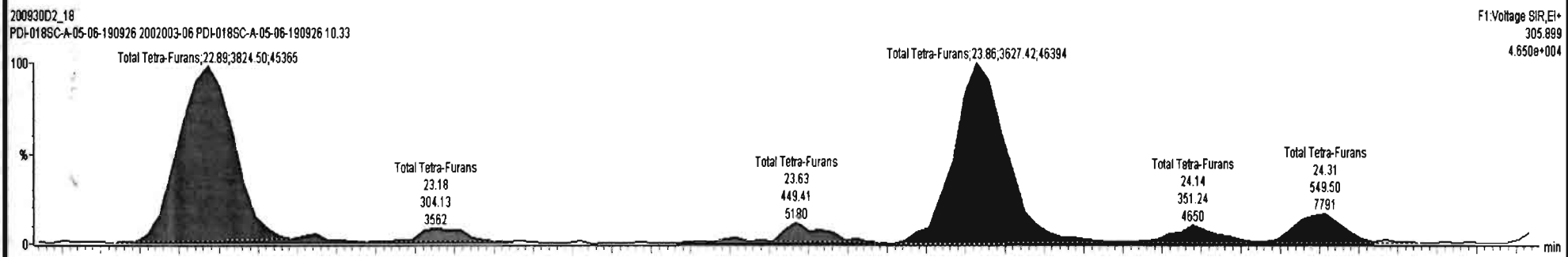
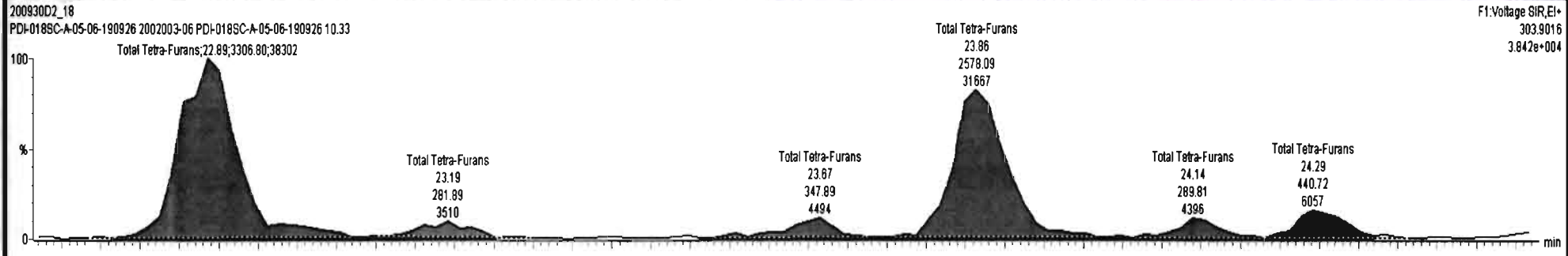


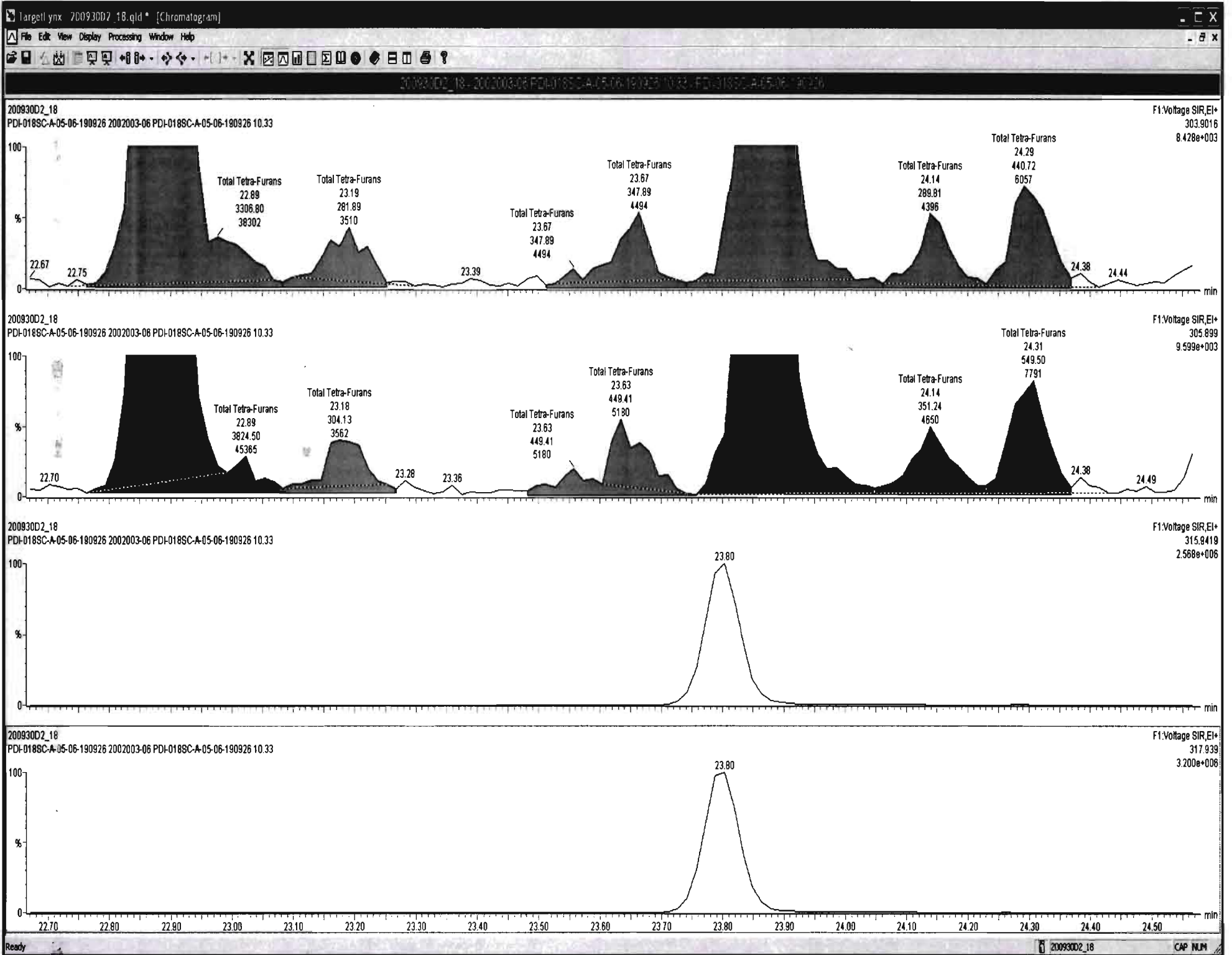


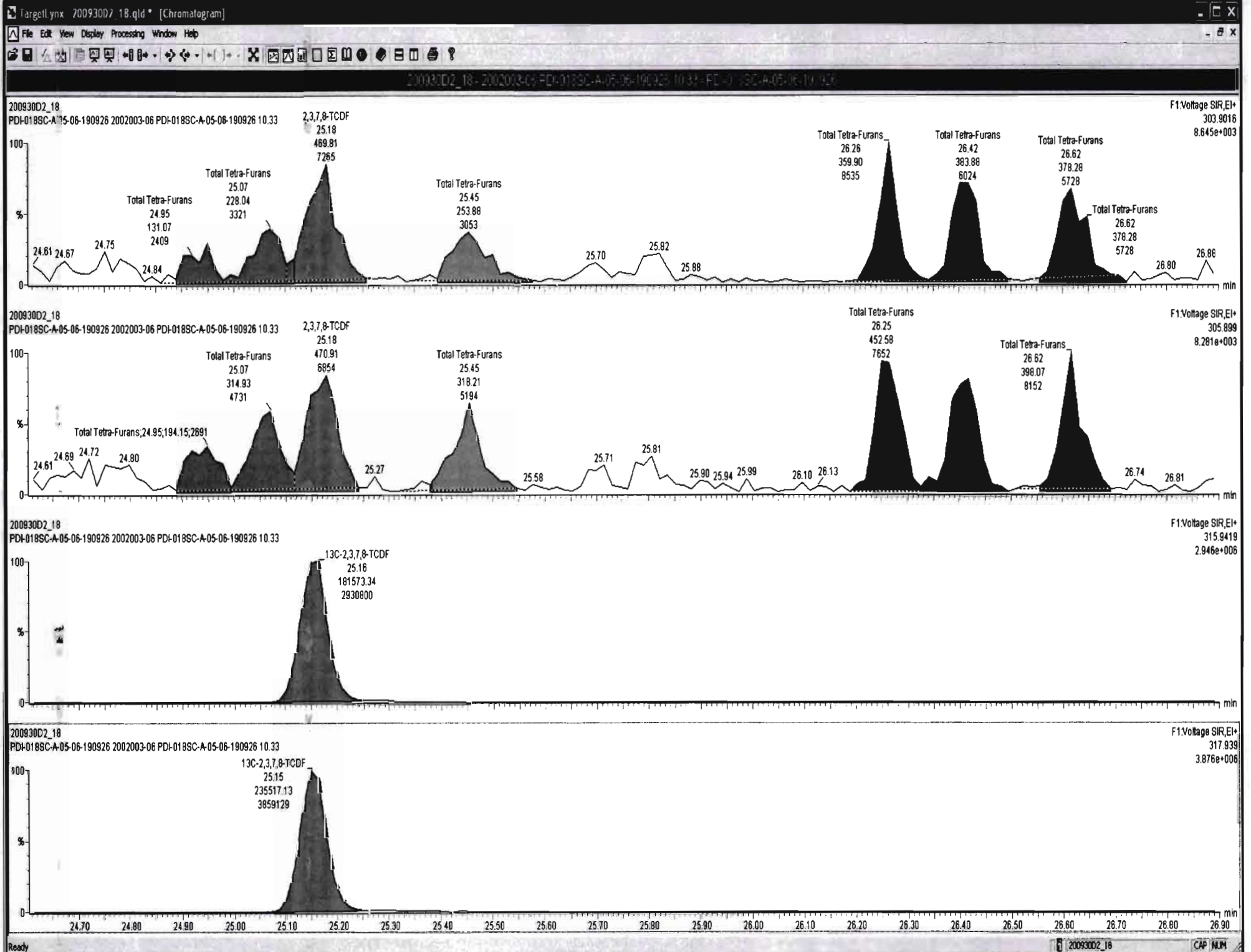
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20093002_18 - 2002003-06 PDI-018SC-A-05-06-190926 10.33 - PDI-018SC-A-05-06-190926





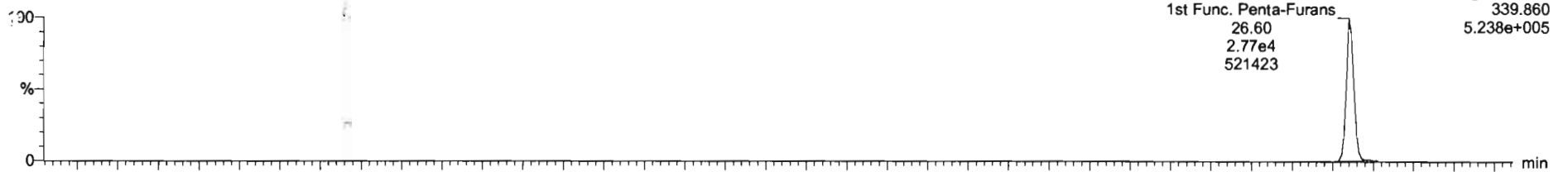


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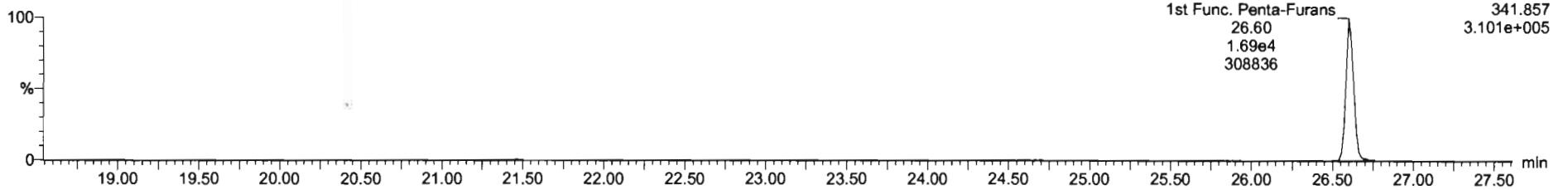
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200930D2_18

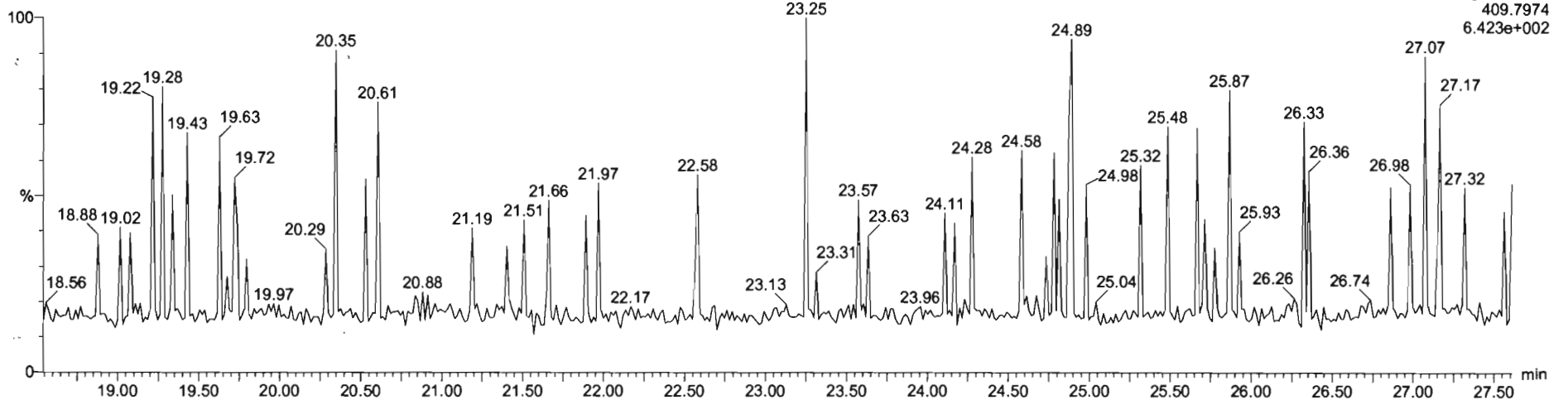


200930D2_18



DPE6

200930D2_18



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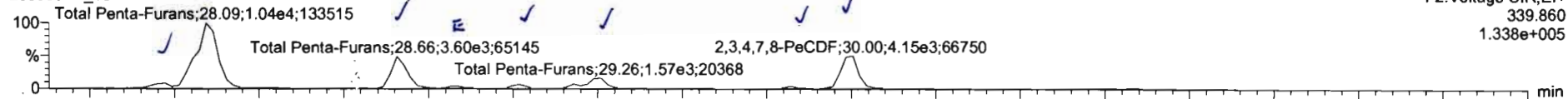
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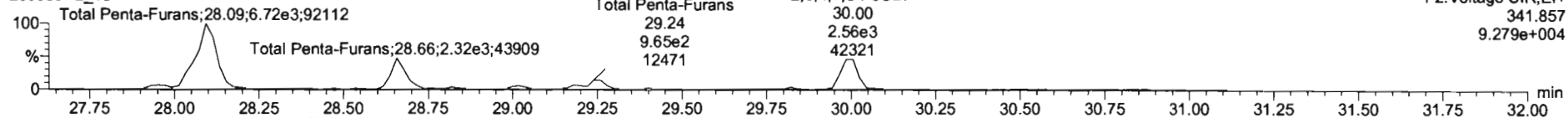
Name: 200930D2_18, Date: 01-Oct-2020, Time: 01:46:37, ID: 2002003-06 PDI-018SC-A-05-06-190926 10.33, Description: PDI-018SC-A-05-06-190926

1,2,3,7,8-PeCDF

200930D2_18

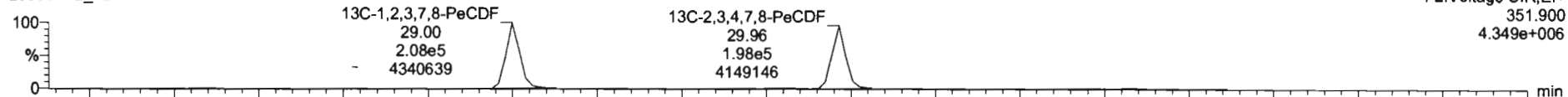


200930D2_18

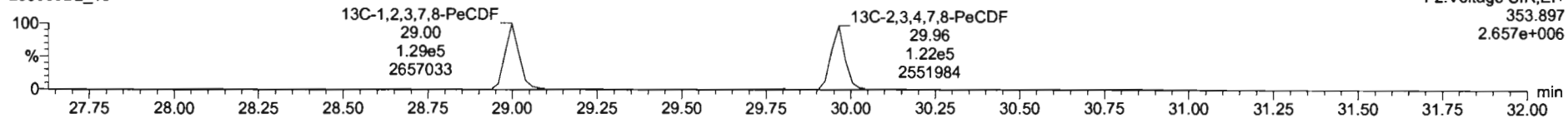


¹³C-1,2,3,7,8-PeCDF

200930D2_18

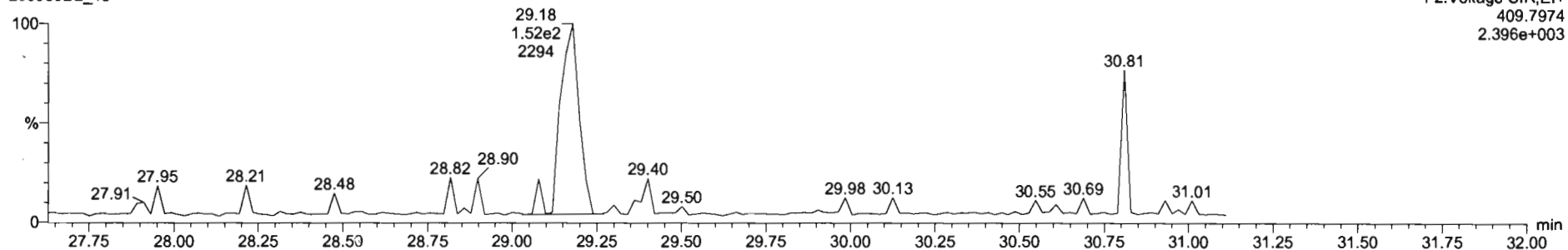


200930D2_18



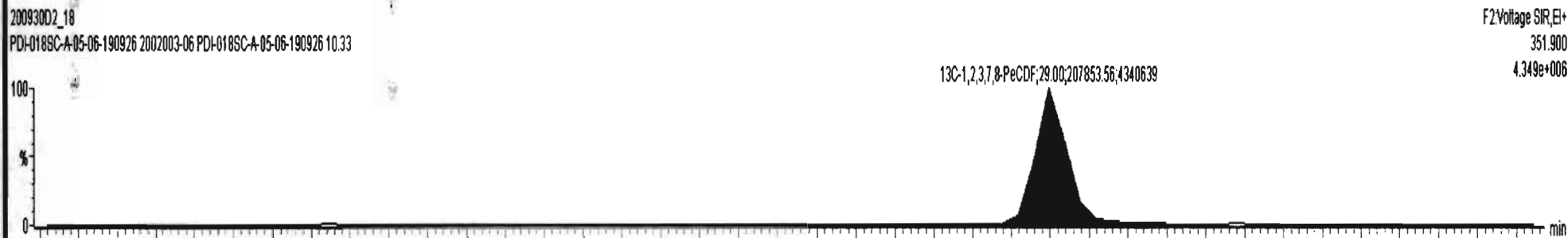
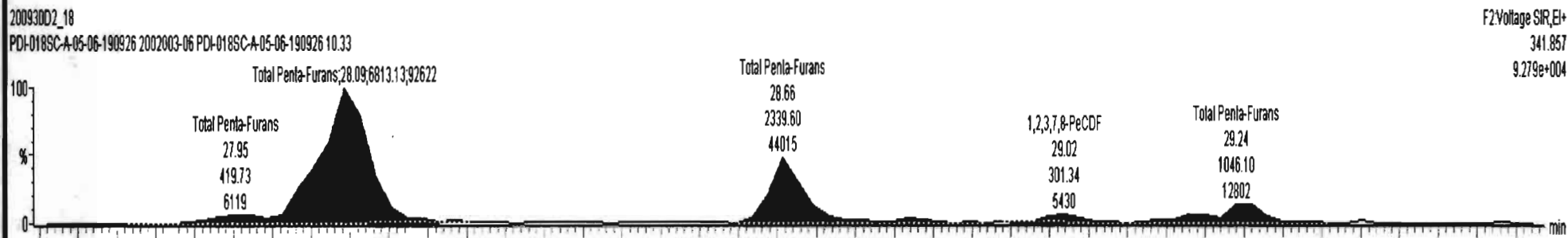
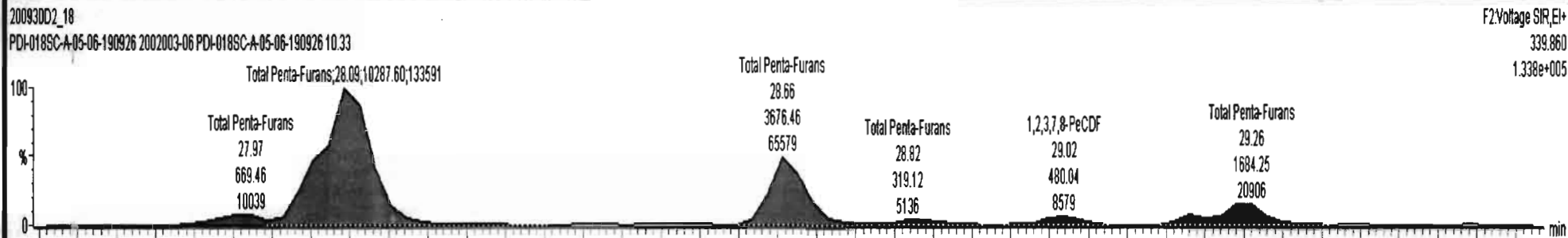
DPE2

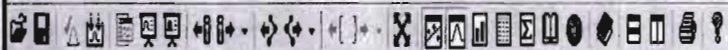
200930D2_18



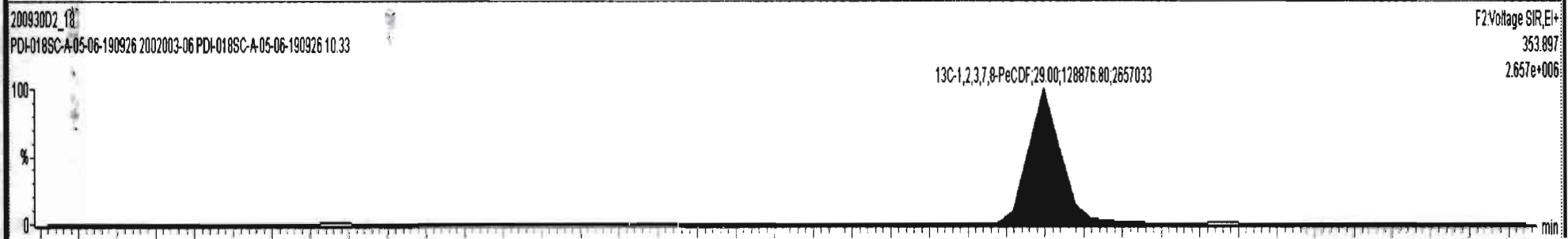
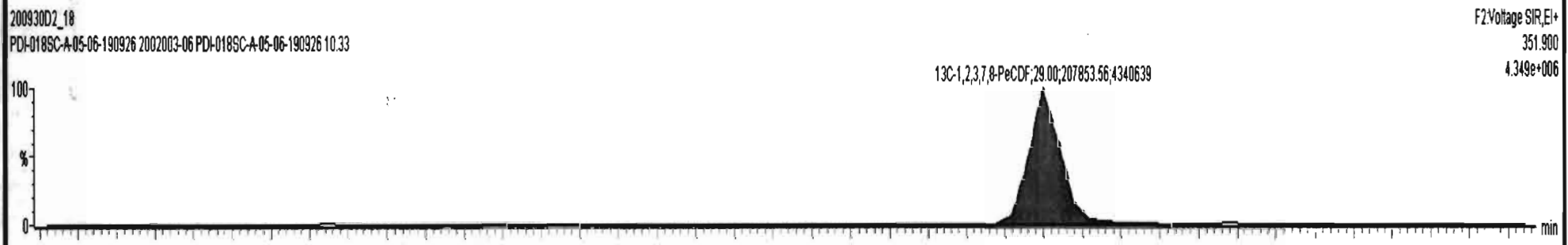
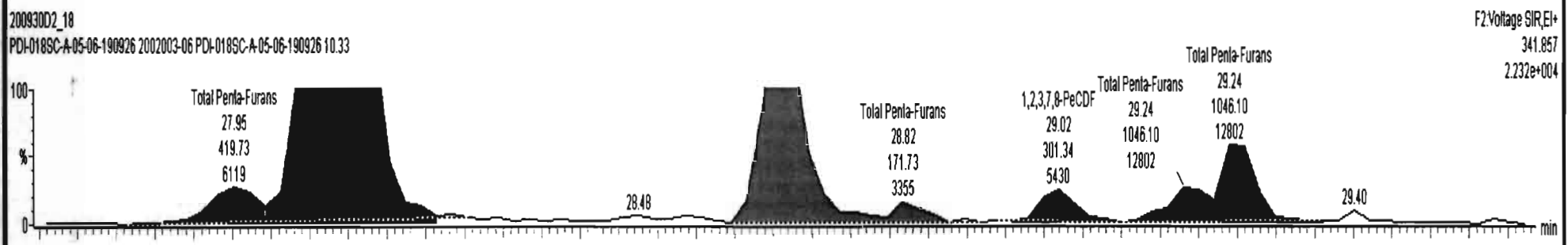
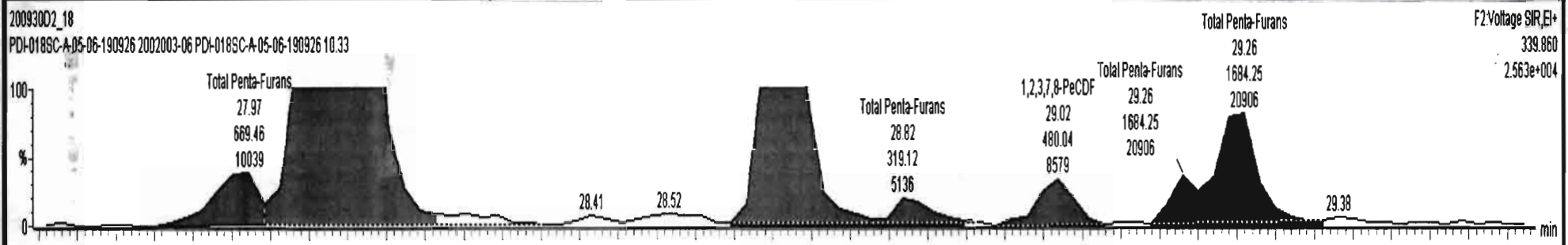


200930D2_18 - 2002003-06 PDI-018SC-A-05-06-190926 10.33 - PDI-018SC-A-05-06-190926



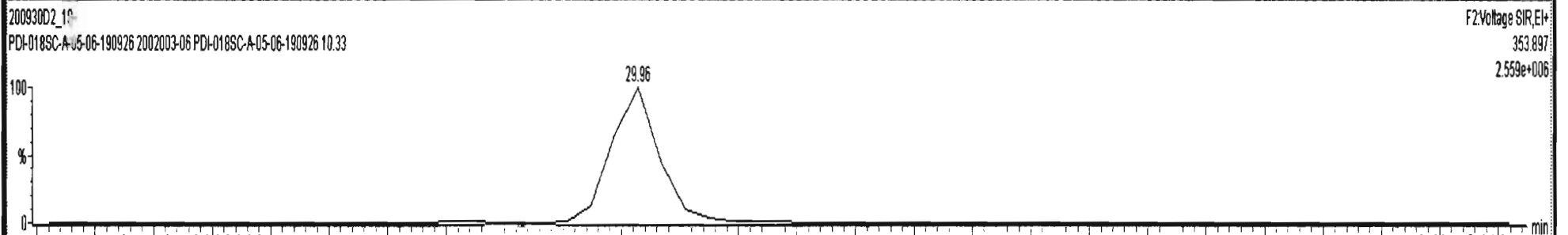
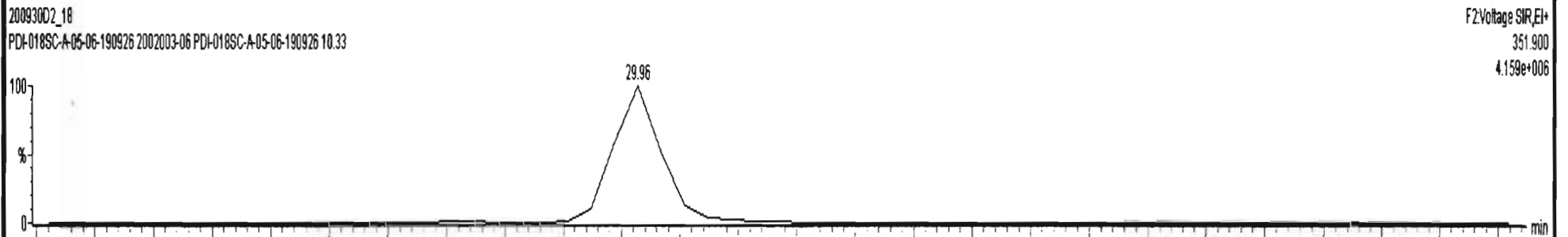
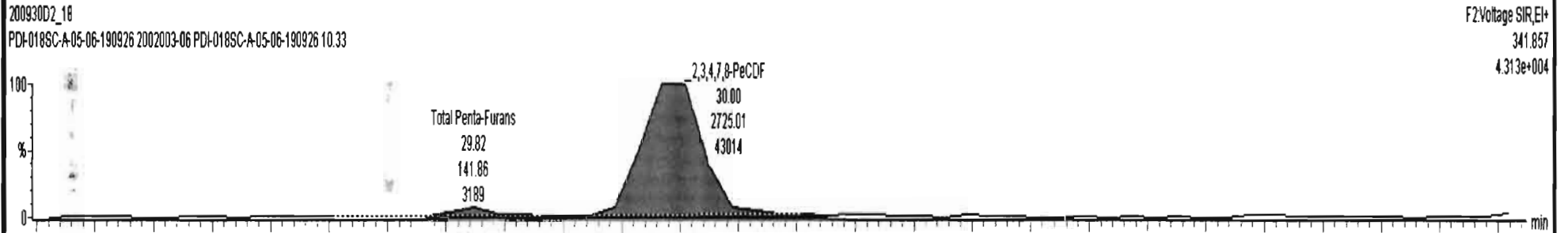
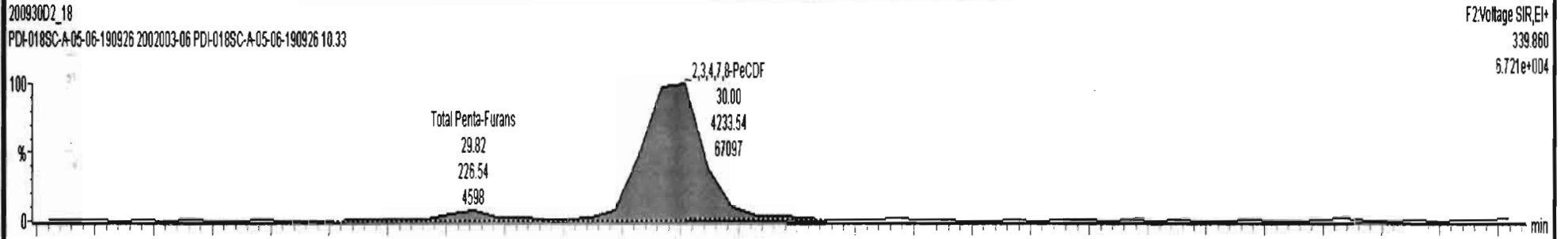


20093002_18 - 2002003-06 PDI-018SC-A-05-06-190926 10.33 - PDI-018SC-A-05-06-190926



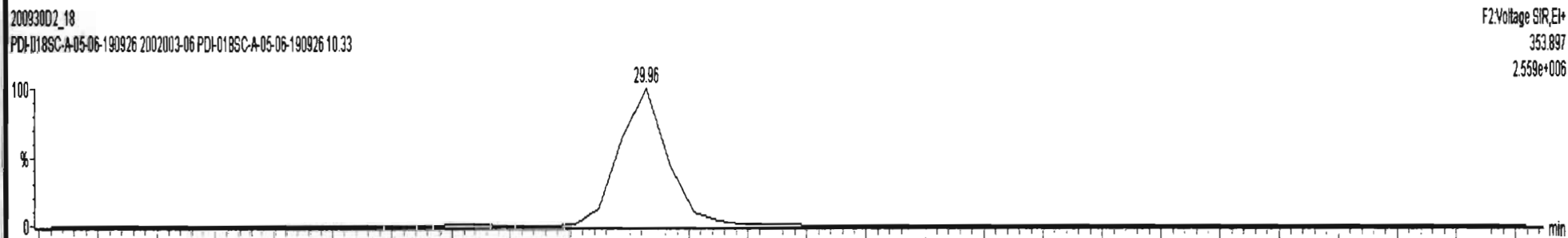
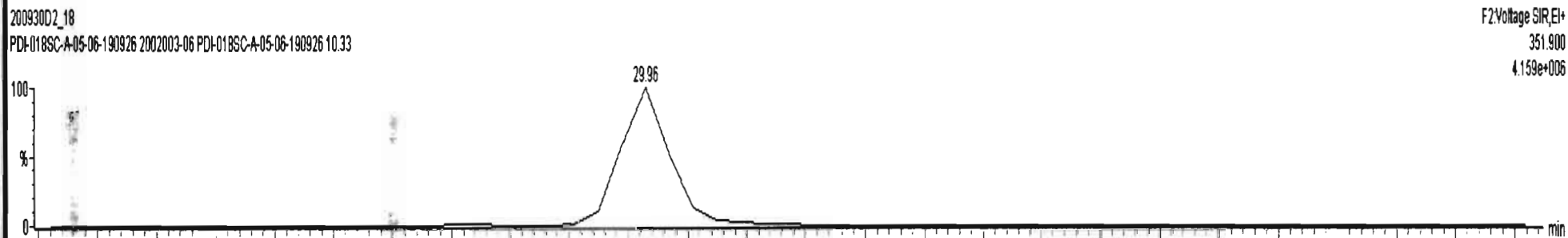
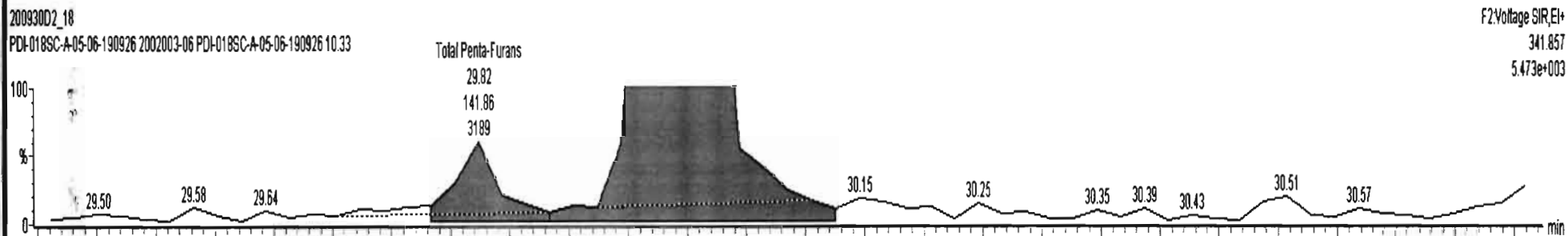
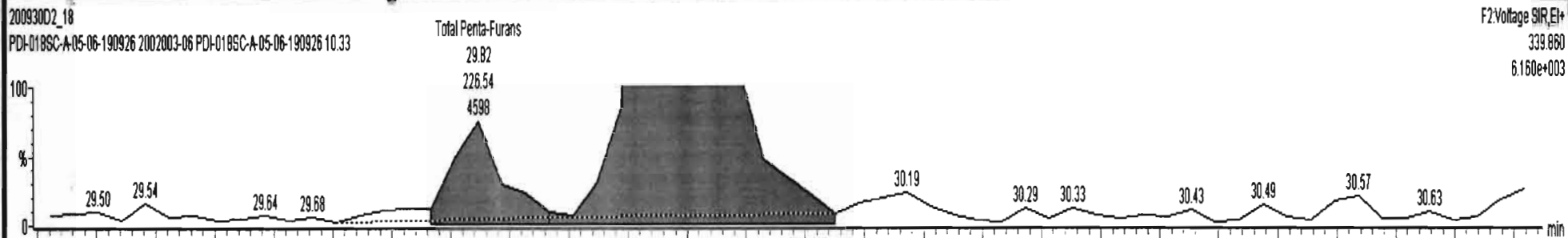


20093002_18 - 2002003-06 PDI-018SC-A-05-06-190926 10.33 - F2:Voltage SIR,EI+





20093002_18 - 2002003-06 PDI-018SC-A-05-06-190926 10.33 - PDI-018SC-A-05-06-190926



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_18.qld

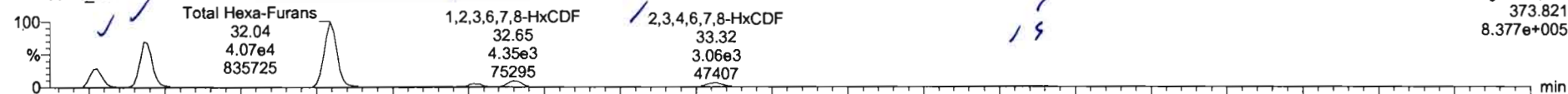
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Printed: Thursday, October 01, 2020 11:00:20 Pacific Daylight Time

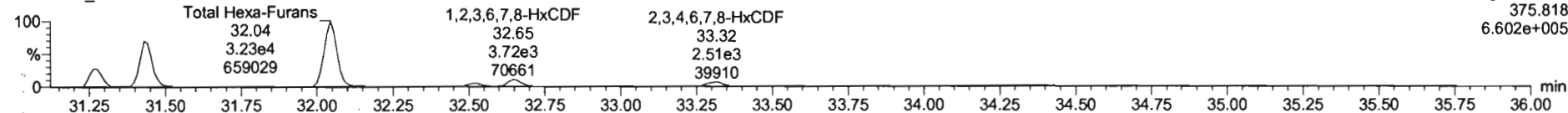
Name: 200930D2_18, Date: 01-Oct-2020, Time: 01:46:37, ID: 2002003-06 PDI-018SC-A-05-06-190926 10.33, Description: PDI-018SC-A-05-06-190926

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

200930D2_18

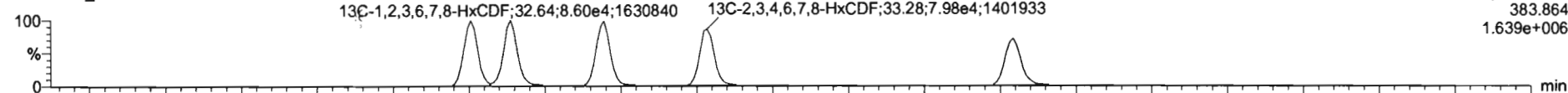


200930D2_18

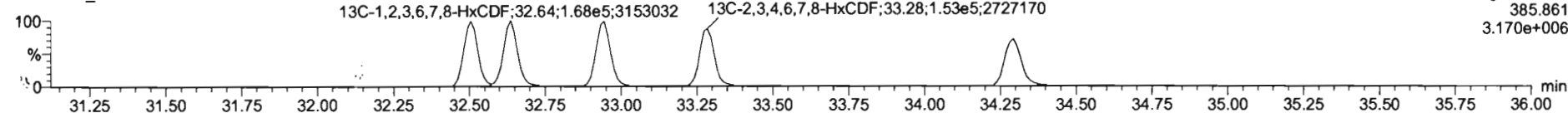


13C-1,2,3,4,7,8-HxCDF

200930D2_18

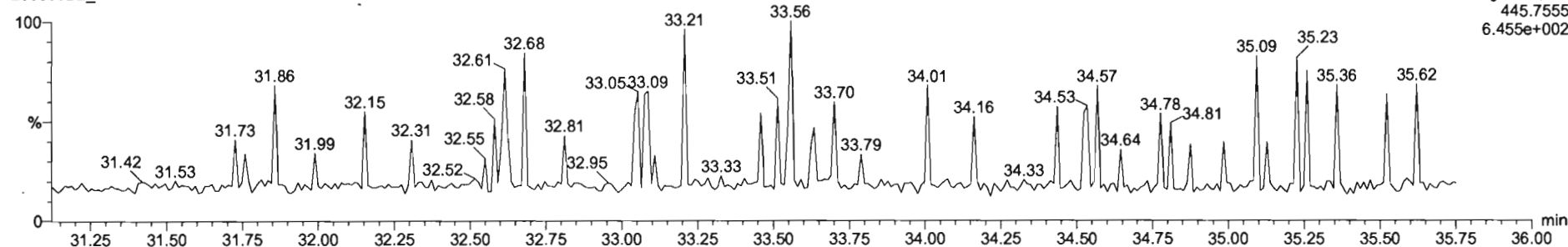


200930D2_18



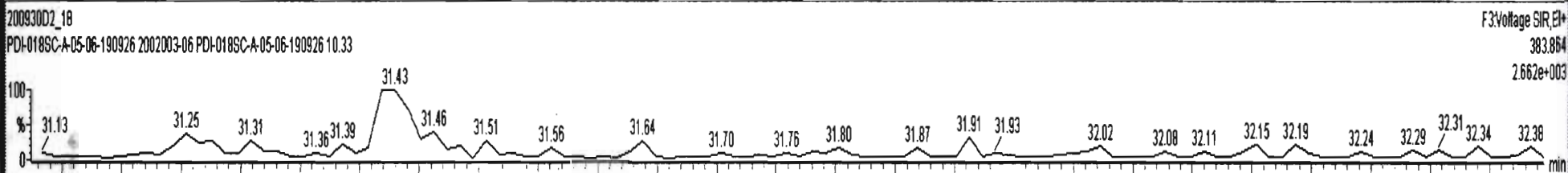
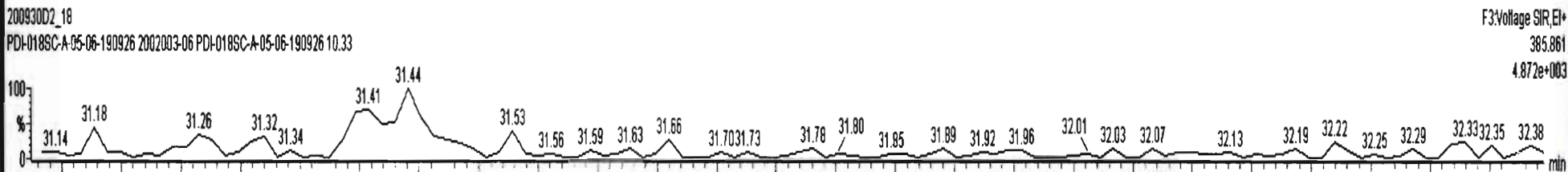
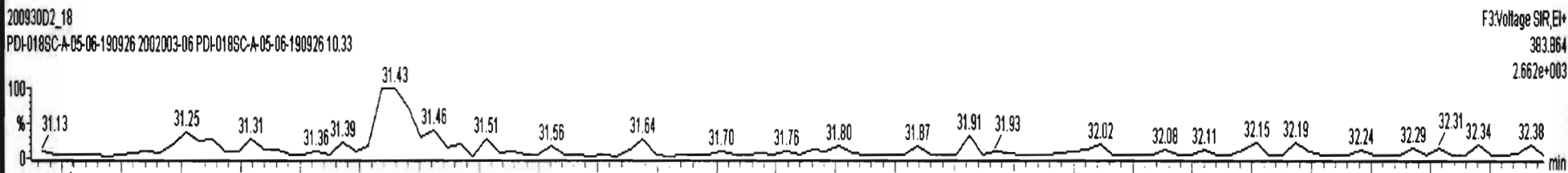
DPE3

200930D2_18



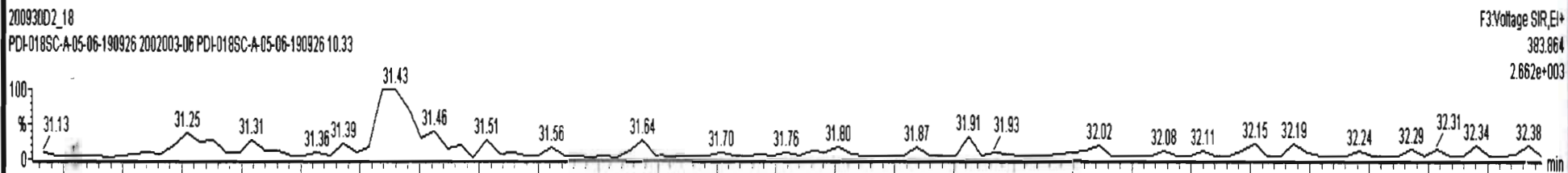
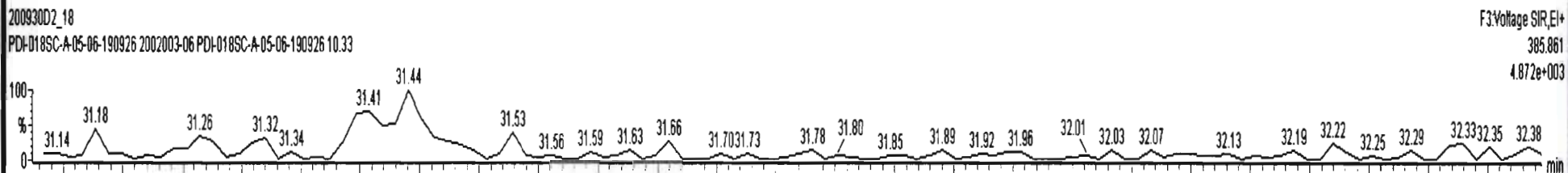
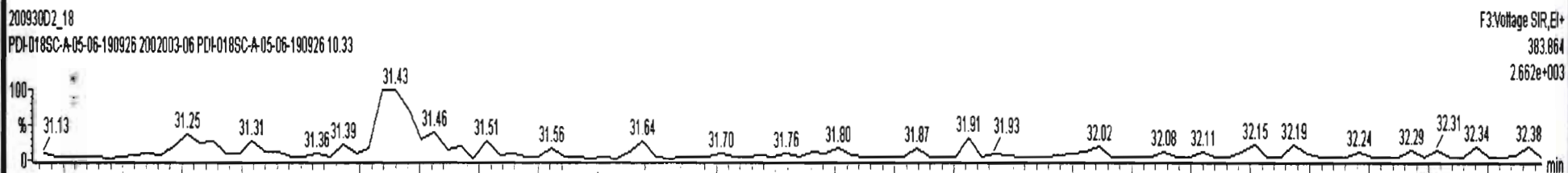
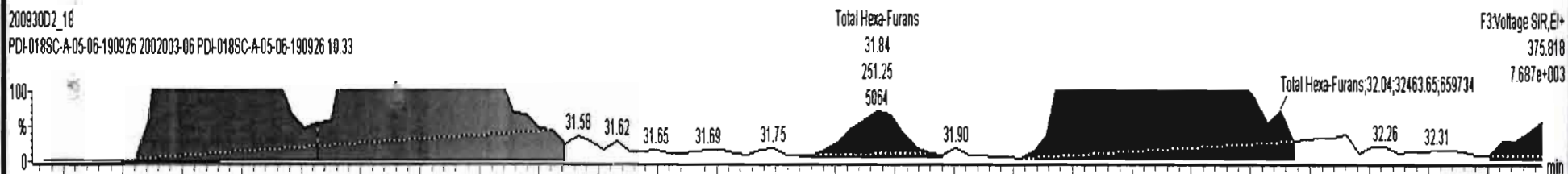
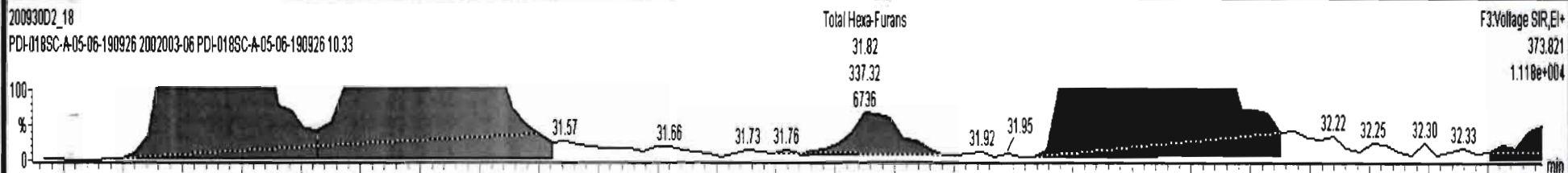


20093002_18 - 2002003-06 PD-018SC-A-05-06-190926 10.33 - PD-018SC-A-05-06-190926



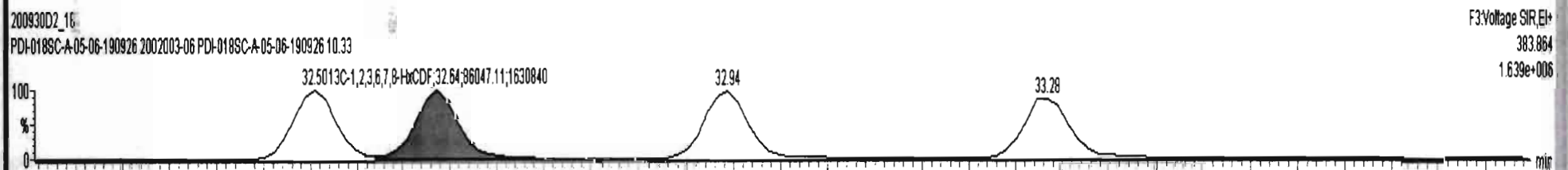
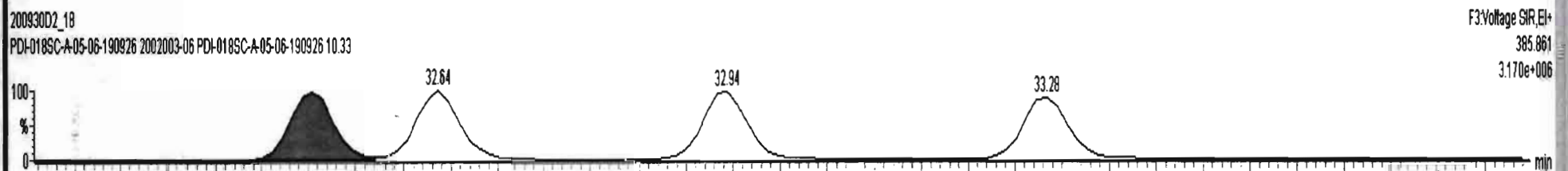
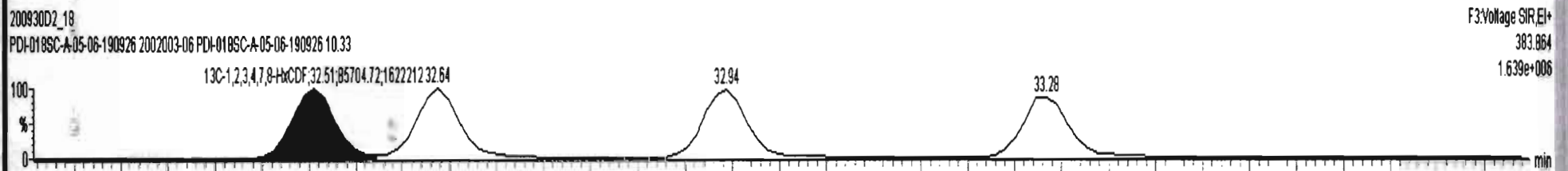
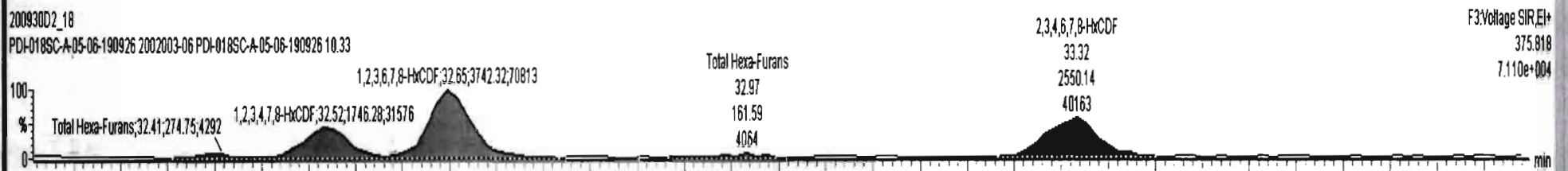
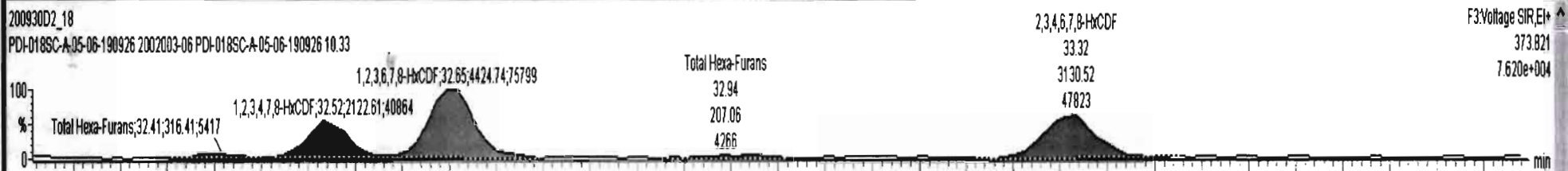


20093002_18 - 2002003-06 PDI-018SC-A-05-06-190926 10.33 - PDI-018SC-A-05-06-190926



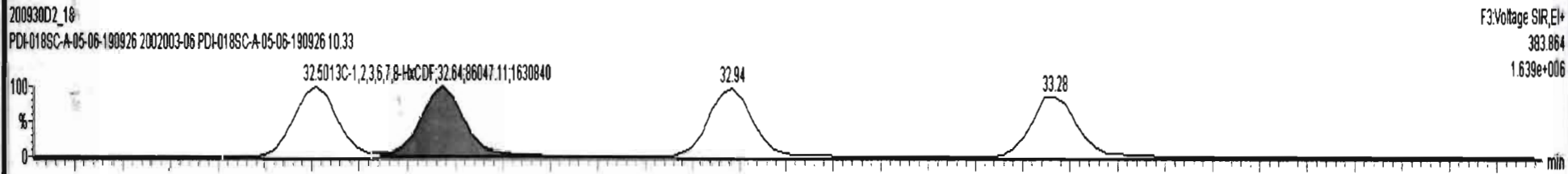
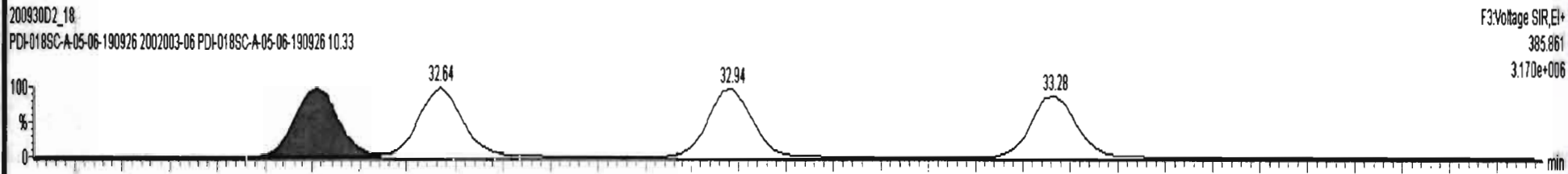
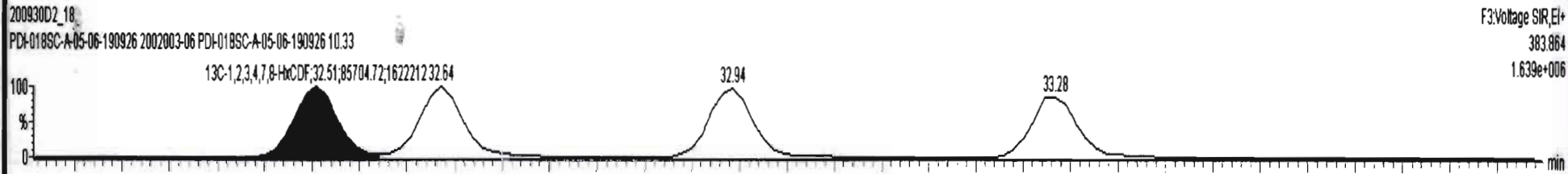
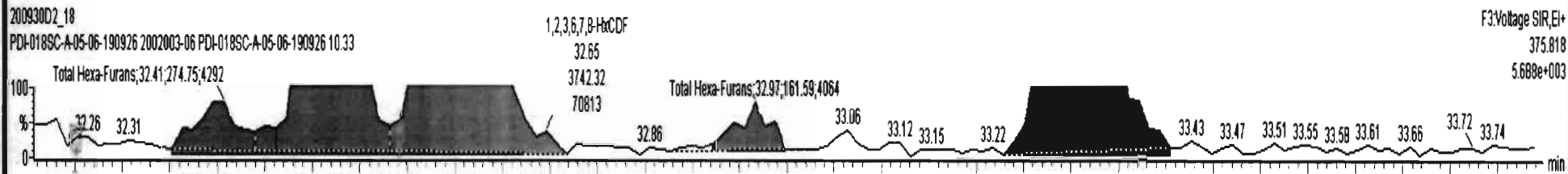
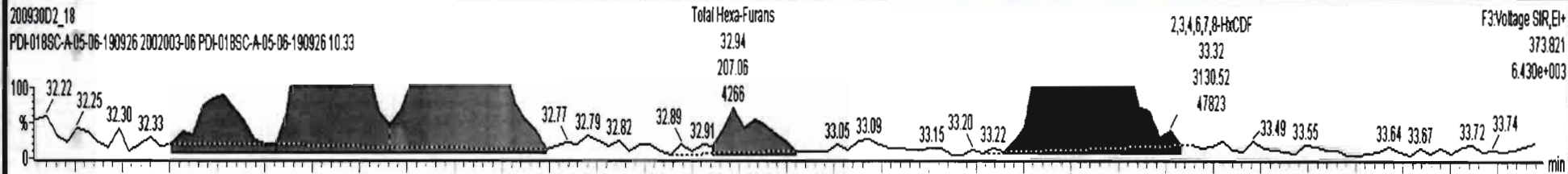


20093002_18 - 2002003-06 PDI-018SC-A-05-06-190926 10.33 - PDI-018SC-A-05-06-190926



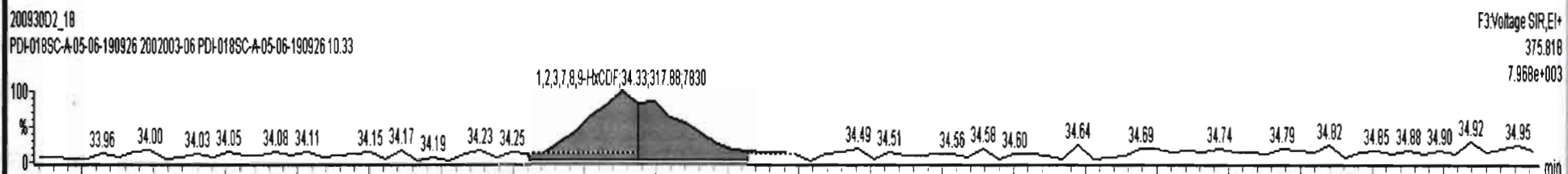
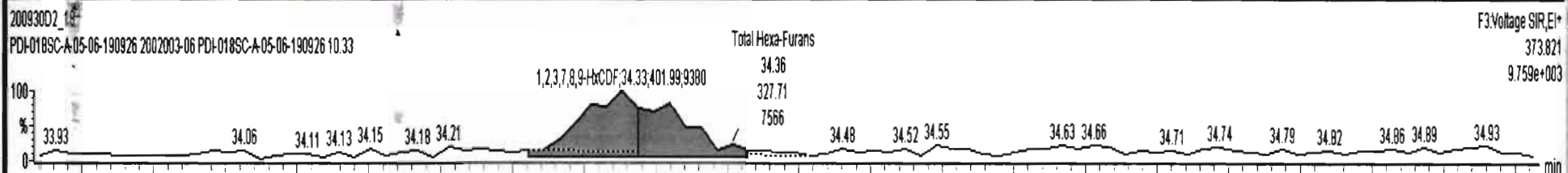


20093002_18 - 2002003-06 PDI-018SC-A-05-06-190926 10.33 - PDI-018SC-A-05-06-190926





20093002_18 - 2002003-06-PDI-018SC-A-05-06-190926 10.33 - PDI-018SC-A-05-06-190926



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_18.qld

Last Altered: Thursday, October 01, 2020 10:59:18 Pacific Daylight Time
Printed: Thursday, October 01, 2020 11:00:20 Pacific Daylight Time

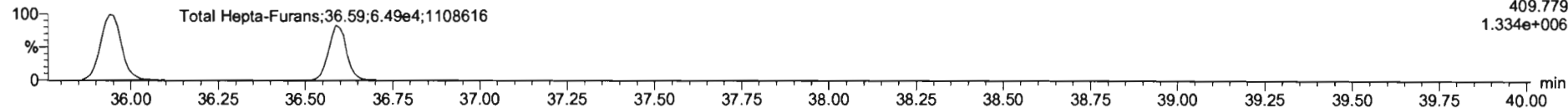
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1,2,3,4,6,7,8-HpCDF

200930D2_18

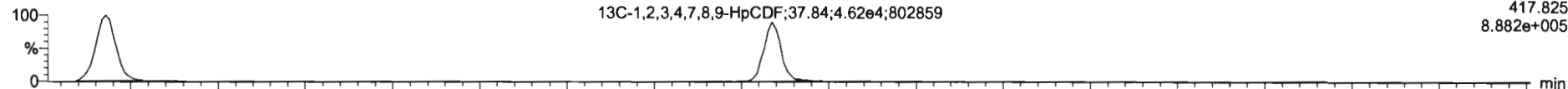


200930D2_18

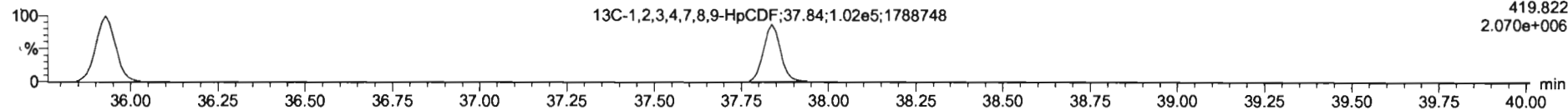


13C-1,2,3,4,6,7,8-HpCDF

200930D2_18

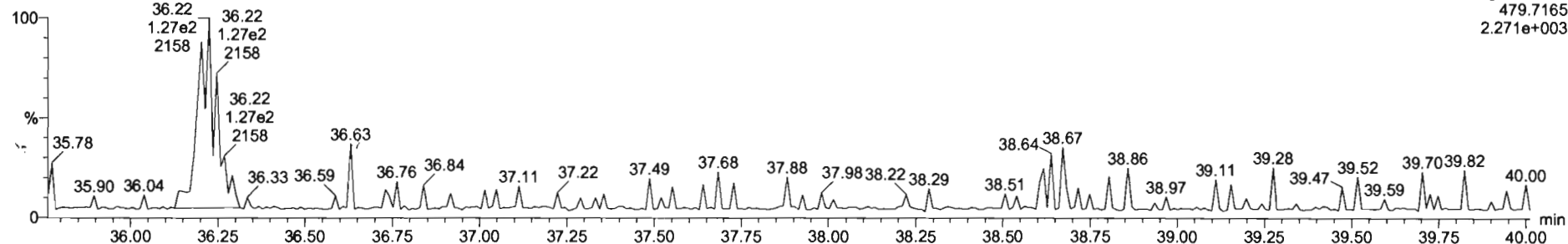


200930D2_18

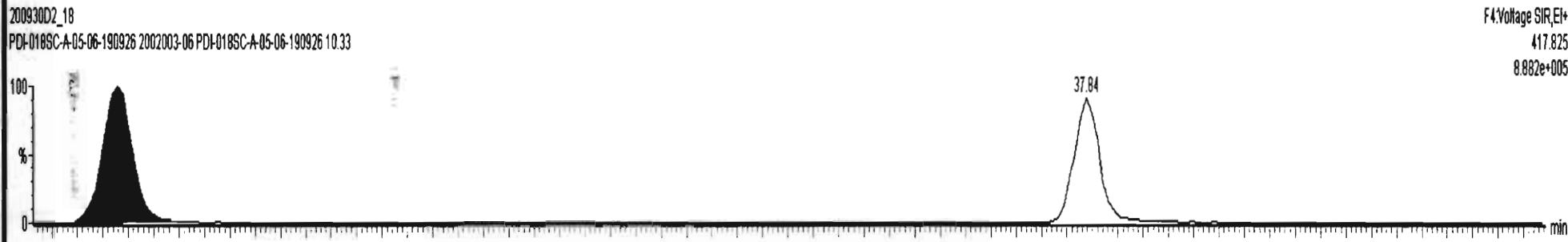
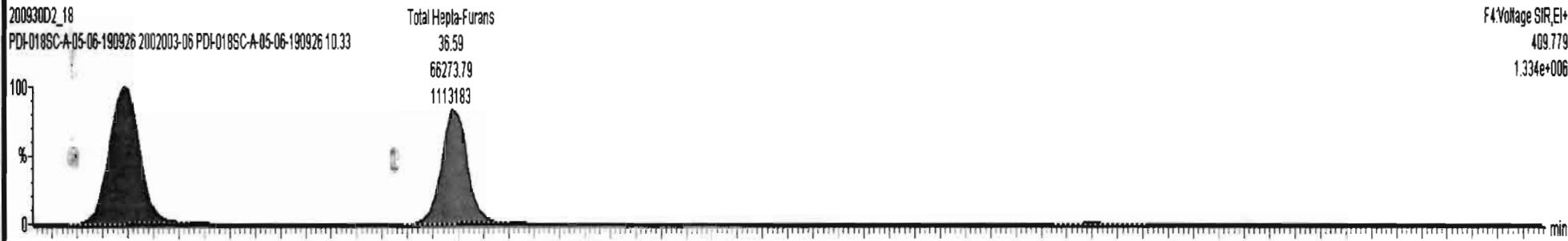
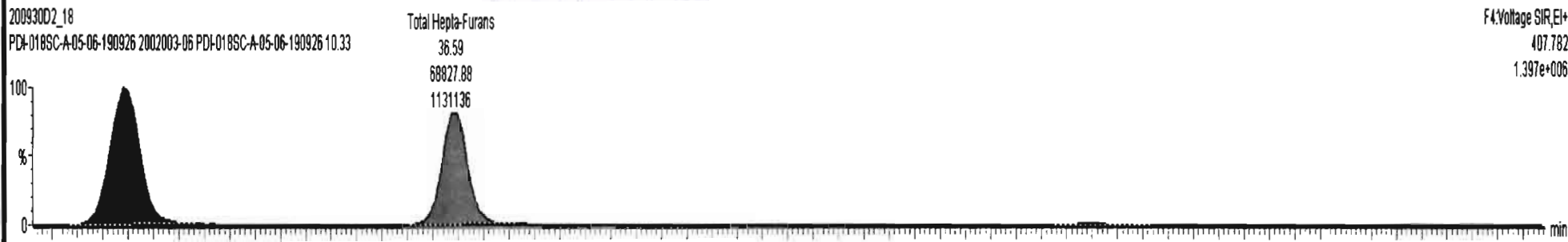


DPE4

200930D2_18

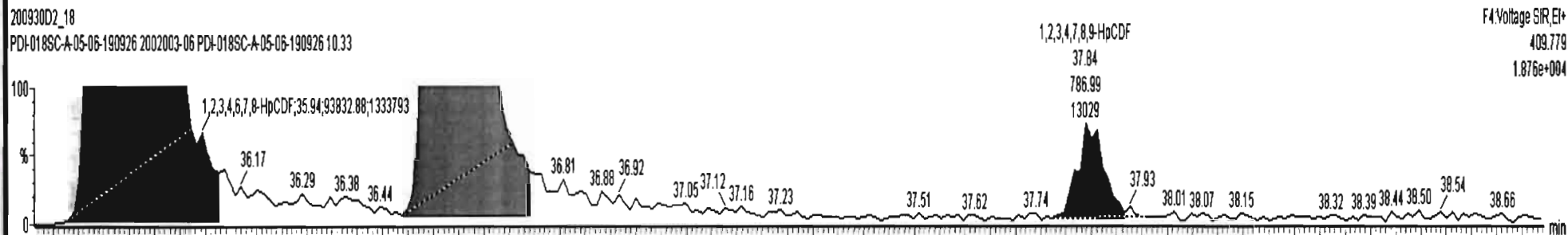
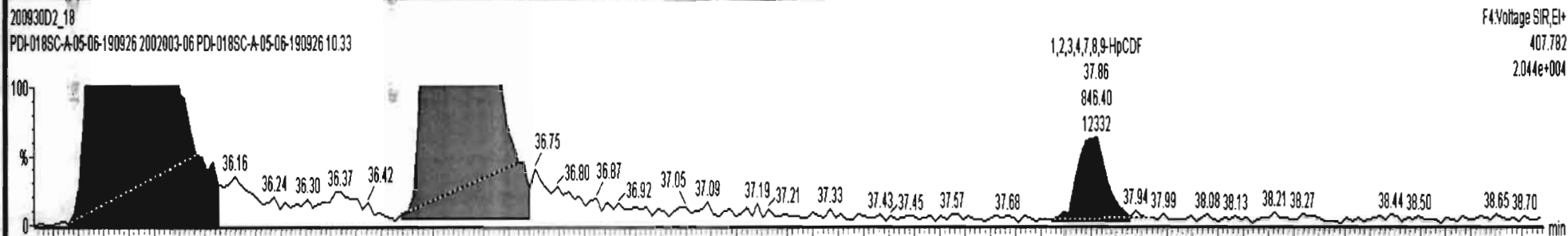


20093002_18 - 2002003-06-PDI-018SC-A-05-06-190926 10.33 - PDI-018SC-A-05-06-190926





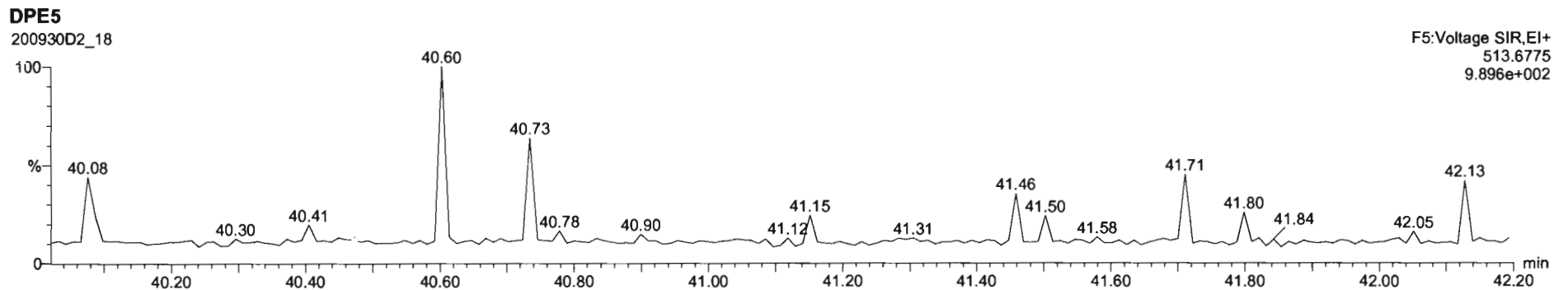
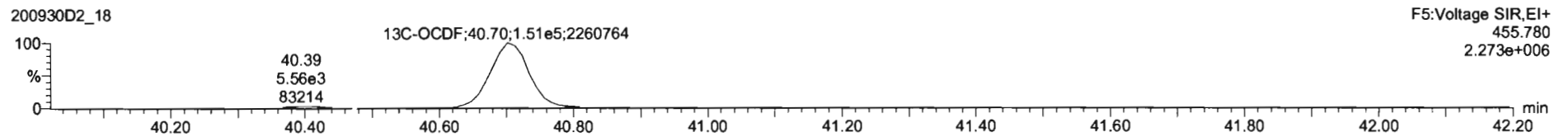
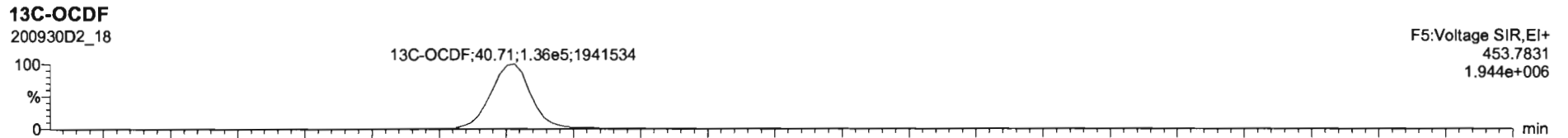
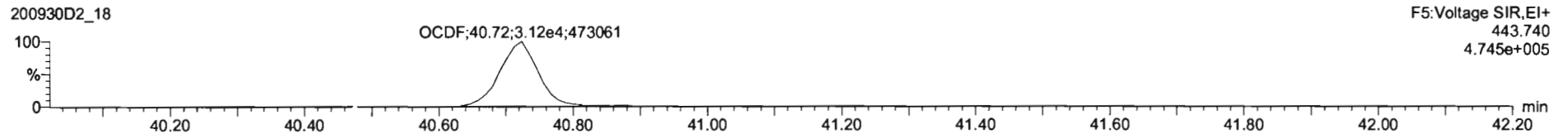
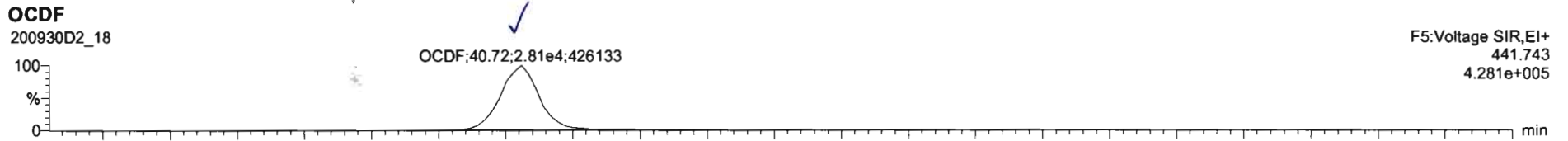
20093002_18 - 2002003-06 PDI-018SC-A-05-06-190926 10.33 - FD-018SC-A-05-06-190926



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_18.qld

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Printed: Thursday, October 01, 2020 11:00:20 Pacific Daylight Time

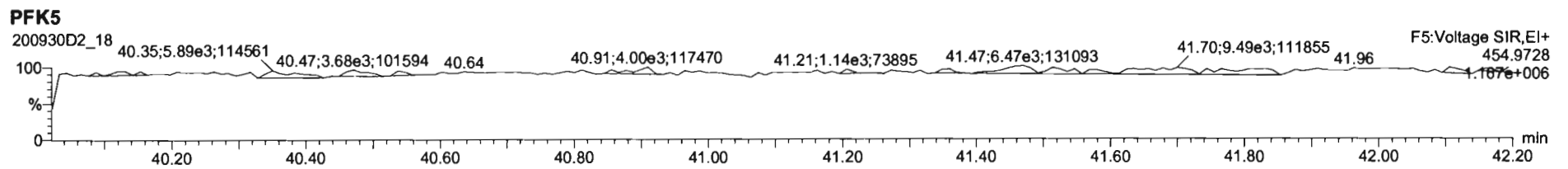
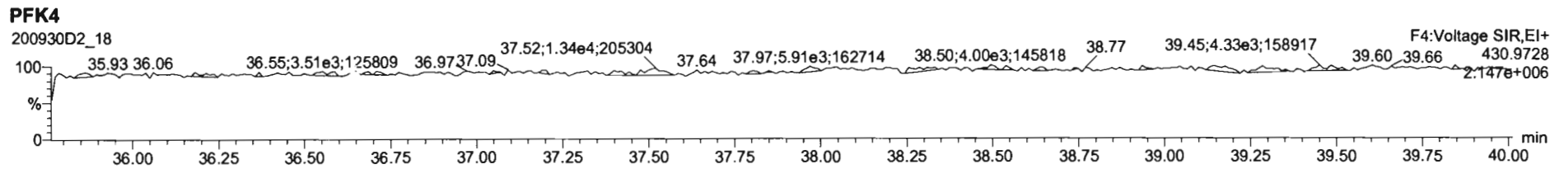
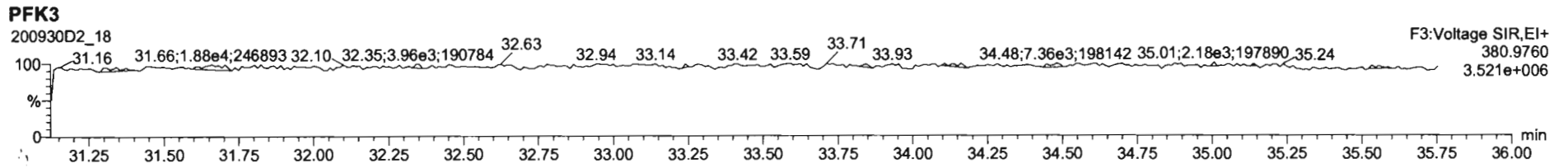
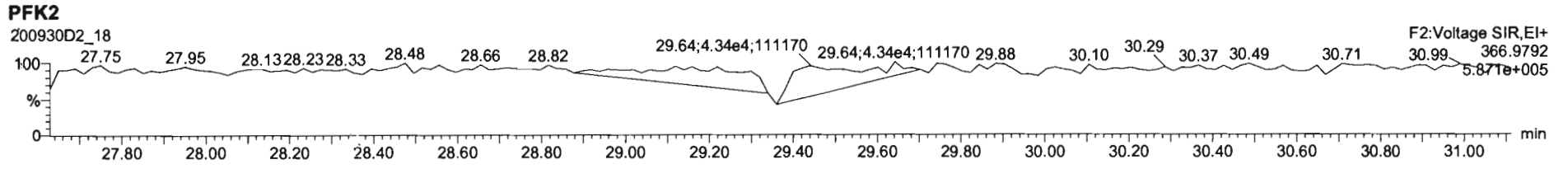
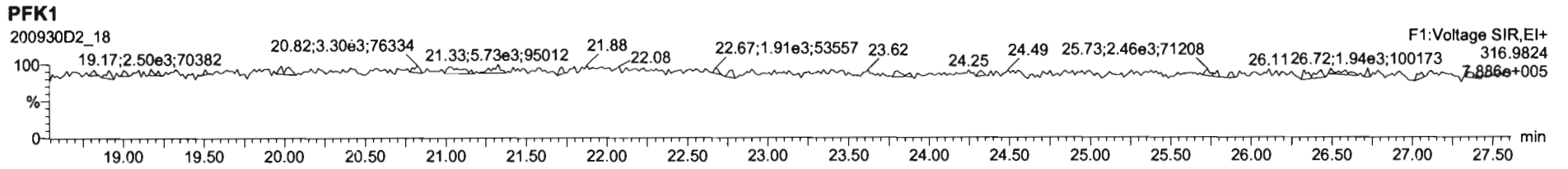
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Dataset: U:\VG7.PRO\Results\200930D2\200930D2_18.qld

Last Altered: Thursday, October 01, 2020 10:59:18 Pacific Daylight Time
Printed: Thursday, October 01, 2020 11:00:20 Pacific Daylight Time

Name: 200930D2_18, Date: 01-Oct-2020, Time: 01:46:37, ID: 2002003-06 PDI-018SC-A-05-06-190926 10.33, Description: PDI-018SC-A-05-06-190926



INITIAL CALIBRATION

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld
 Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time
 Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

DB *10/1/20* *CT 10/01/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
 Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

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

Response Factor: 1.00219
 RRF SD: 0.105409, Relative SD: 10.5178
 Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	0.250	0.67	NO	25.79	1.001	4.43e2	1.74e5	0.254	1.5	1.02	MM
2	200930D2_2	0.500	0.78	NO	25.82	1.001	8.87e2	1.77e5	0.501	0.1	1.00	MM
3	200930D2_3	2.00	0.80	NO	25.79	1.001	3.35e3	1.92e5	1.75	-12.7	0.875	bb
4	200930D2_4	10.0	0.77	NO	25.81	1.001	1.39e4	1.46e5	9.51	-4.9	0.953	dd
5	200930D2_5	40.0	0.76	NO	25.81	1.001	7.37e4	1.89e5	38.9	-2.9	0.973	bb
6	200930D2_6	300	0.78	NO	25.82	1.001	7.58e5	2.12e5	357	18.9	1.19	bb

Compound name: 1,2,3,7,8-PeCDD

Response Factor: 0.93495
 RRF SD: 0.119844, Relative SD: 12.8182
 Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	0.62	NO	30.15	1.000	1.49e3	1.32e5	1.21	-3.3	0.904	MM
2	200930D2_2	2.50	0.66	NO	30.17	1.001	2.83e3	1.43e5	2.12	-15.1	0.793	MM
3	200930D2_3	10.0	0.59	NO	30.15	1.000	1.29e4	1.55e5	8.94	-10.6	0.836	bb
4	200930D2_4	50.0	0.59	NO	30.17	1.001	5.42e4	1.17e5	49.7	-0.6	0.929	bb
5	200930D2_5	200	0.60	NO	30.17	1.001	2.74e5	1.32e5	222	11.0	1.04	bb
6	200930D2_6	1500	0.62	NO	30.17	1.001	2.85e6	1.71e5	1780	18.7	1.11	bb

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.15193

RRF SD: 0.107646, Relative SD: 9.34488

Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	1.21	NO	33.40	1.001	1.43e3	1.01e5	1.22	-2.2	1.13	MM
2	200930D2_2	2.50	1.42	NO	33.40	1.000	2.77e3	1.06e5	2.27	-9.4	1.04	dd
3	200930D2_3	10.0	1.33	NO	33.39	1.000	1.21e4	1.17e5	8.93	-10.7	1.03	dd
4	200930D2_4	50.0	1.26	NO	33.40	1.000	5.14e4	8.84e4	50.4	0.8	1.16	bd
5	200930D2_5	200	1.29	NO	33.40	1.000	2.76e5	1.09e5	219	9.6	1.26	bd
6	200930D2_6	1500	1.27	NO	33.42	1.001	2.71e6	1.40e5	1680	11.7	1.29	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 1.02368

RRF SD: 0.0855683, Relative SD: 8.35893

Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	1.19	NO	33.50	1.000	1.43e3	1.19e5	1.17	-6.4	0.958	MM
2	200930D2_2	2.50	1.19	NO	33.53	1.000	2.93e3	1.21e5	2.37	-5.0	0.972	db
3	200930D2_3	10.0	1.26	NO	33.51	1.000	1.28e4	1.36e5	9.16	-8.4	0.937	db
4	200930D2_4	50.0	1.26	NO	33.53	1.001	5.15e4	1.01e5	49.8	-0.3	1.02	db
5	200930D2_5	200	1.23	NO	33.53	1.001	2.74e5	1.24e5	216	8.2	1.11	db
6	200930D2_6	1500	1.28	NO	33.54	1.001	2.69e6	1.56e5	1680	12.0	1.15	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 1.06096

RRF SD: 0.104523, Relative SD: 9.85175

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	1.28	NO	33.80	1.000	1.50e3	1.15e5	1.23	-1.9	1.04	MM
2	200930D2_2	2.50	1.26	NO	33.81	1.000	2.90e3	1.22e5	2.25	-10.0	0.955	bb

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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	200930D2_3	10.0	1.33	NO	33.79	1.000	1.28e4	1.34e5	9.01	-9.9	0.956	bb
4	200930D2_4	50.0	1.29	NO	33.80	1.000	5.21e4	9.97e4	49.2	-1.6	1.04	bb
5	200930D2_5	200	1.25	NO	33.81	1.001	2.84e5	1.22e5	220	9.8	1.16	bb
6	200930D2_6	1500	1.28	NO	33.82	1.001	2.81e6	1.55e5	1700	13.6	1.21	bb

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 1.00136

RRF SD: 0.124298, Relative SD: 12.4129

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	0.92	NO	37.19	1.000	1.19e3	1.07e5	1.11	-11.0	0.891	MM
2	200930D2_2	2.50	0.95	NO	37.20	1.000	2.68e3	1.13e5	2.37	-5.3	0.948	bb
3	200930D2_3	10.0	1.04	NO	37.18	1.000	1.09e4	1.22e5	8.94	-10.6	0.895	bb
4	200930D2_4	50.0	1.05	NO	37.19	1.000	4.59e4	9.48e4	48.4	-3.2	0.969	bb
5	200930D2_5	200	1.04	NO	37.20	1.001	2.47e5	1.12e5	221	10.6	1.11	bb
6	200930D2_6	1500	1.04	NO	37.21	1.000	2.53e6	1.41e5	1790	19.6	1.20	bb

Compound name: OCDD

Response Factor: 0.952

RRF SD: 0.102145, Relative SD: 10.7295

Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	2.50	0.95	NO	40.38	1.001	2.06e3	1.81e5	2.39	-4.4	0.910	MM
2	200930D2_2	5.00	0.84	NO	40.39	1.000	4.26e3	2.08e5	4.30	-14.0	0.819	bb
3	200930D2_3	20.0	0.91	NO	40.37	1.000	1.88e4	2.10e5	18.8	-6.0	0.895	bd
4	200930D2_4	100	0.91	NO	40.39	1.001	7.84e4	1.63e5	101	1.1	0.963	bd
5	200930D2_5	400	0.90	NO	40.39	1.000	4.22e5	2.08e5	426	6.6	1.01	bb
6	200930D2_6	3000	0.91	NO	40.42	1.000	4.25e6	2.55e5	3500	16.7	1.11	bb

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

Response Factor: 1.01297

RRF SD: 0.140498, Relative SD: 13.8699

Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	0.250	0.79	NO	25.15	1.001	7.60e2	2.52e5	0.298	19.2	1.21	MM
2	200930D2_2	0.500	0.76	NO	25.16	1.001	1.27e3	2.58e5	0.484	-3.1	0.981	MM
3	200930D2_3	2.00	0.74	NO	25.15	1.001	4.49e3	2.68e5	1.66	-17.2	0.839	bb
4	200930D2_4	10.0	0.74	NO	25.16	1.001	1.88e4	2.10e5	8.88	-11.2	0.899	bb
5	200930D2_5	40.0	0.77	NO	25.15	1.001	1.04e5	2.57e5	39.8	-0.4	1.01	bd
6	200930D2_6	300	0.76	NO	25.16	1.001	9.86e5	2.88e5	338	12.7	1.14	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.997733

RRF SD: 0.105042, Relative SD: 10.528

Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	1.56	NO	29.00	1.001	2.34e3	1.96e5	1.19	-4.5	0.952	MM
2	200930D2_2	2.50	1.49	NO	29.02	1.001	4.41e3	2.00e5	2.21	-11.5	0.882	bb
3	200930D2_3	10.0	1.59	NO	29.00	1.001	2.02e4	2.22e5	9.14	-8.6	0.912	bd
4	200930D2_4	50.0	1.63	NO	29.00	1.000	8.94e4	1.79e5	50.0	-0.0	0.998	dd
5	200930D2_5	200	1.61	NO	29.00	1.001	4.62e5	2.12e5	218	9.2	1.09	bb
6	200930D2_6	1500	1.61	NO	29.02	1.001	4.38e6	2.53e5	1730	15.5	1.15	bd

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.07418

RRF SD: 0.141641, Relative SD: 13.186

Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	1.58	NO	29.96	1.001	2.16e3	1.91e5	1.05	-15.7	0.905	MM
2	200930D2_2	2.50	1.60	NO	29.96	1.001	4.71e3	1.98e5	2.22	-11.3	0.952	bb

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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	200930D2_3	10.0	1.62	NO	29.96	1.001	2.12e4	2.10e5	9.39	-6.1	1.01	bb
4	200930D2_4	50.0	1.62	NO	29.96	1.001	8.96e4	1.61e5	51.9	3.7	1.11	bb
5	200930D2_5	200	1.60	NO	29.96	1.001	4.79e5	1.98e5	226	12.9	1.21	bb
6	200930D2_6	1500	1.58	NO	29.96	1.000	4.65e6	2.47e5	1750	16.6	1.25	bb

Compound name: 1,2,3,4,7,8-HxCDF

Rcspose Factor: 1.05155

RRF SD: 0.122186, Relative SD: 11.6195

Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	1.19	NO	32.50	1.000	2.00e3	1.64e5	1.16	-7.0	0.978	MM
2	200930D2_2	2.50	1.29	NO	32.52	1.000	3.98e3	1.72e5	2.21	-11.7	0.929	bd
3	200930D2_3	10.0	1.25	NO	32.50	1.001	1.75e4	1.84e5	9.00	-10.0	0.947	bd
4	200930D2_4	50.0	1.27	NO	32.50	1.000	7.44e4	1.40e5	50.5	1.0	1.06	bd
5	200930D2_5	200	1.25	NO	32.51	1.000	4.05e5	1.72e5	224	12.0	1.18	bd
6	200930D2_6	1500	1.26	NO	32.52	1.000	3.93e6	2.16e5	1740	15.7	1.22	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.09956

RRF SD: 0.12428, Relative SD: 11.3027

Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	1.24	NO	32.64	1.000	2.15e3	1.66e5	1.18	-5.8	1.04	MM
2	200930D2_2	2.50	1.33	NO	32.65	1.000	4.33e3	1.77e5	2.23	-10.9	0.980	db
3	200930D2_3	10.0	1.24	NO	32.64	1.001	1.87e4	1.88e5	9.03	-9.7	0.993	db
4	200930D2_4	50.0	1.26	NO	32.64	1.000	7.93e4	1.45e5	49.7	-0.5	1.09	db
5	200930D2_5	200	1.24	NO	32.64	1.000	4.22e5	1.75e5	219	9.6	1.20	db
6	200930D2_6	1500	1.24	NO	32.65	1.000	4.09e6	2.11e5	1760	17.4	1.29	db

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Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.08752

RRF SD: 0.136992, Relative SD: 12.5967

Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	1.25	NO	33.27	1.000	1.91e3	1.58e5	1.11	-11.0	0.968	MM
2	200930D2_2	2.50	1.28	NO	33.28	1.000	3.96e3	1.61e5	2.26	-9.6	0.983	bb
3	200930D2_3	10.0	1.26	NO	33.28	1.001	1.77e4	1.81e5	8.97	-10.3	0.976	bb
4	200930D2_4	50.0	1.23	NO	33.28	1.000	7.34e4	1.35e5	50.2	0.3	1.09	bb
5	200930D2_5	200	1.24	NO	33.29	1.001	3.94e5	1.60e5	226	13.0	1.23	bb
6	200930D2_6	1500	1.24	NO	33.29	1.000	3.89e6	2.03e5	1760	17.5	1.28	bb

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 1.08188

RRF SD: 0.11347, Relative SD: 10.4883

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	1.20	NO	34.29	1.001	1.74e3	1.36e5	1.19	-5.2	1.03	MM
2	200930D2_2	2.50	1.35	NO	34.30	1.000	3.56e3	1.44e5	2.28	-8.6	0.989	bb
3	200930D2_3	10.0	1.23	NO	34.29	1.001	1.49e4	1.55e5	8.87	-11.3	0.960	bb
4	200930D2_4	50.0	1.26	NO	34.29	1.000	6.56e4	1.20e5	50.6	1.3	1.10	bb
5	200930D2_5	200	1.29	NO	34.29	1.000	3.46e5	1.49e5	215	7.7	1.17	bb
6	200930D2_6	1500	1.25	NO	34.30	1.000	3.50e6	1.86e5	1740	16.1	1.26	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.13056

RRF SD: 0.148448, Relative SD: 13.1304

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	0.96	NO	35.93	1.001	1.81e3	1.38e5	1.16	-7.6	1.04	MM
2	200930D2_2	2.50	1.10	NO	35.95	1.001	3.59e3	1.45e5	2.19	-12.5	0.989	bb

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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	200930D2_3	10.0	0.98	NO	35.92	1.000	1.52e4	1.54e5	8.72	-12.8	0.986	bb
4	200930D2_4	50.0	1.02	NO	35.94	1.001	6.77e4	1.17e5	51.2	2.4	1.16	bd
5	200930D2_5	200	1.04	NO	35.94	1.001	3.79e5	1.49e5	225	12.3	1.27	bb
6	200930D2_6	1500	1.03	NO	35.95	1.001	3.65e6	1.82e5	1770	18.1	1.34	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.28584

RRF SD: 0.156323, Relative SD: 12.1572

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	1.25	1.01	NO	37.84	1.000	1.49e3	9.84e4	1.17	-6.0	1.21	MM
2	200930D2_2	2.50	1.11	NO	37.85	1.000	2.96e3	1.07e5	2.16	-13.7	1.11	bb
3	200930D2_3	10.0	1.04	NO	37.83	1.000	1.31e4	1.10e5	9.19	-8.1	1.18	bb
4	200930D2_4	50.0	1.02	NO	37.84	1.000	5.55e4	8.69e4	49.6	-0.7	1.28	bd
5	200930D2_5	200	1.03	NO	37.84	1.000	3.19e5	1.13e5	219	9.7	1.41	bb
6	200930D2_6	1500	1.03	NO	37.86	1.001	3.13e6	1.37e5	1780	18.8	1.53	bb

Compound name: OCDF

Response Factor: 0.952821

RRF SD: 0.11104, Relative SD: 11.6538

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	2.50	0.92	NO	40.69	1.000	2.42e3	2.27e5	2.24	-10.4	0.854	MM
2	200930D2_2	5.00	0.88	NO	40.71	1.000	5.45e3	2.52e5	4.54	-9.2	0.866	bb
3	200930D2_3	20.0	0.87	NO	40.69	1.000	2.28e4	2.61e5	18.3	-8.6	0.871	bb
4	200930D2_4	100	0.90	NO	40.71	1.001	9.70e4	2.04e5	99.6	-0.4	0.949	bb
5	200930D2_5	400	0.89	NO	40.71	1.001	5.52e5	2.58e5	449	12.4	1.07	bb
6	200930D2_6	3000	0.90	NO	40.73	1.001	5.35e6	3.22e5	3480	16.2	1.11	bb

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Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.17295

RRF SD: 0.0331012, Relative SD: 2.82204

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.78	NO	25.77	1.027	1.74e5	1.48e5	101	0.5	1.18	bb
2	200930D2_2	100	0.78	NO	25.79	1.026	1.77e5	1.56e5	96.8	-3.2	1.14	bb
3	200930D2_3	100	0.75	NO	25.78	1.026	1.92e5	1.60e5	102	2.2	1.20	bb
4	200930D2_4	100	0.79	NO	25.79	1.027	1.46e5	1.27e5	97.9	-2.1	1.15	bb
5	200930D2_5	100	0.79	NO	25.78	1.026	1.89e5	1.64e5	98.4	-1.6	1.15	bb
6	200930D2_6	100	0.79	NO	25.81	1.027	2.12e5	1.74e5	104	4.2	1.22	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.914327

RRF SD: 0.0634254, Relative SD: 6.93683

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.62	NO	30.15	1.201	1.32e5	1.48e5	97.3	-2.7	0.890	bb
2	200930D2_2	100	0.61	NO	30.15	1.199	1.43e5	1.56e5	100	0.2	0.916	bb
3	200930D2_3	100	0.63	NO	30.15	1.200	1.55e5	1.60e5	106	5.9	0.968	bb
4	200930D2_4	100	0.63	NO	30.15	1.200	1.17e5	1.27e5	101	0.6	0.920	bb
5	200930D2_5	100	0.63	NO	30.15	1.200	1.32e5	1.64e5	88.2	-11.8	0.807	bb
6	200930D2_6	100	0.64	NO	30.15	1.199	1.71e5	1.74e5	108	7.7	0.985	bb

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.633572

RRF SD: 0.0302093, Relative SD: 4.7681

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	1.30	NO	33.38	1.014	1.01e5	1.67e5	95.7	-4.3	0.607	bd
2	200930D2_2	100	1.29	NO	33.39	1.014	1.06e5	1.70e5	98.5	-1.5	0.624	bd

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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	200930D2_3	100	1.28	NO	33.38	1.014	1.17e5	1.90e5	97.5	-2.5	0.618	bd
4	200930D2_4	100	1.27	NO	33.39	1.014	8.84e4	1.41e5	98.7	-1.3	0.625	bd
5	200930D2_5	100	1.28	NO	33.39	1.014	1.09e5	1.72e5	100	0.3	0.636	bd
6	200930D2_6	100	1.26	NO	33.39	1.014	1.40e5	2.03e5	109	9.2	0.692	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.724314

RRF SD: 0.022761, Relative SD: 3.14242

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	1.29	NO	33.50	1.018	1.19e5	1.67e5	98.7	-1.3	0.715	db
2	200930D2_2	100	1.25	NO	33.51	1.017	1.21e5	1.70e5	98.0	-2.0	0.710	db
3	200930D2_3	100	1.28	NO	33.50	1.018	1.36e5	1.90e5	99.3	-0.7	0.719	db
4	200930D2_4	100	1.26	NO	33.50	1.017	1.01e5	1.41e5	98.5	-1.5	0.714	db
5	200930D2_5	100	1.28	NO	33.50	1.017	1.24e5	1.72e5	99.3	-0.7	0.719	dd
6	200930D2_6	100	1.25	NO	33.51	1.017	1.56e5	2.03e5	106	6.3	0.770	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.7157

RRF SD: 0.0260814, Relative SD: 3.64419

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	1.25	NO	33.79	1.026	1.15e5	1.67e5	96.6	-3.4	0.691	bb
2	200930D2_2	100	1.30	NO	33.80	1.026	1.22e5	1.70e5	100	0.0	0.716	bd
3	200930D2_3	100	1.26	NO	33.78	1.026	1.34e5	1.90e5	98.7	-1.3	0.706	bb
4	200930D2_4	100	1.21	NO	33.79	1.026	9.97e4	1.41e5	98.5	-1.5	0.705	bb
5	200930D2_5	100	1.23	NO	33.79	1.026	1.22e5	1.72e5	99.2	-0.8	0.710	bb
6	200930D2_6	100	1.28	NO	33.80	1.026	1.55e5	2.03e5	107	7.1	0.766	bb

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

Response Factor: 0.660425

RRF SD: 0.0212049, Relative SD: 3.21079

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	1.09	NO	37.18	1.129	1.07e5	1.67e5	96.7	-3.3	0.639	bd
2	200930D2_2	100	1.06	NO	37.19	1.129	1.13e5	1.70e5	101	0.8	0.666	bd
3	200930D2_3	100	1.12	NO	37.17	1.129	1.22e5	1.90e5	97.4	-2.6	0.643	bd
4	200930D2_4	100	1.06	NO	37.18	1.129	9.48e4	1.41e5	101	1.5	0.670	bb
5	200930D2_5	100	1.04	NO	37.18	1.129	1.12e5	1.72e5	98.2	-1.8	0.649	bb
6	200930D2_6	100	1.06	NO	37.20	1.129	1.41e5	2.03e5	105	5.3	0.695	bb

Compound name: 13C-OCDD

Response Factor: 0.586504

RRF SD: 0.0345068, Relative SD: 5.88547

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	200	0.88	NO	40.36	1.226	1.81e5	1.67e5	185	-7.4	0.543	bb
2	200930D2_2	200	0.87	NO	40.38	1.226	2.08e5	1.70e5	209	4.6	0.613	bd
3	200930D2_3	200	0.90	NO	40.36	1.226	2.10e5	1.90e5	189	-5.7	0.553	bb
4	200930D2_4	200	0.88	NO	40.37	1.226	1.63e5	1.41e5	196	-1.9	0.575	bb
5	200930D2_5	200	0.90	NO	40.38	1.226	2.08e5	1.72e5	206	3.1	0.604	bd
6	200930D2_6	200	0.91	NO	40.41	1.226	2.55e5	2.03e5	215	7.3	0.629	bb

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 1.02208

RRF SD: 0.0125198, Relative SD: 1.22493

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.76	NO	25.12	1.001	2.52e5	2.46e5	100	0.1	1.02	bb
2	200930D2_2	100	0.80	NO	25.13	1.000	2.58e5	2.51e5	101	0.7	1.03	bd

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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	200930D2_3	100	0.80	NO	25.12	1.000	2.68e5	2.62e5	99.9	-0.1	1.02	bb
4	200930D2_4	100	0.78	NO	25.13	1.001	2.10e5	2.07e5	99.1	-0.9	1.01	bb
5	200930D2_5	100	0.78	NO	25.13	1.001	2.57e5	2.56e5	98.3	-1.7	1.00	bb
6	200930D2_6	100	0.77	NO	25.15	1.001	2.88e5	2.77e5	102	1.8	1.04	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.841931

RRF SD: 0.0454656, Relative SD: 5.40016

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	1.64	NO	28.98	1.154	1.96e5	2.46e5	94.8	-5.2	0.798	bb
2	200930D2_2	100	1.58	NO	29.00	1.154	2.00e5	2.51e5	94.6	-5.4	0.797	bb
3	200930D2_3	100	1.59	NO	28.98	1.154	2.22e5	2.62e5	100	0.4	0.845	bb
4	200930D2_4	100	1.59	NO	29.00	1.154	1.79e5	2.07e5	103	3.0	0.867	bb
5	200930D2_5	100	1.62	NO	28.98	1.154	2.12e5	2.56e5	98.3	-1.7	0.828	bb
6	200930D2_6	100	1.56	NO	29.00	1.154	2.53e5	2.77e5	109	8.9	0.916	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.801596

RRF SD: 0.0468311, Relative SD: 5.84223

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	1.62	NO	29.94	1.193	1.91e5	2.46e5	96.9	-3.1	0.777	bb
2	200930D2_2	100	1.56	NO	29.94	1.191	1.98e5	2.51e5	98.3	-1.7	0.788	bb
3	200930D2_3	100	1.68	NO	29.94	1.192	2.10e5	2.62e5	100	0.0	0.802	bb
4	200930D2_4	100	1.67	NO	29.94	1.192	1.61e5	2.07e5	97.0	-3.0	0.777	bb
5	200930D2_5	100	1.60	NO	29.94	1.192	1.98e5	2.56e5	96.2	-3.8	0.771	bb
6	200930D2_6	100	1.63	NO	29.96	1.192	2.47e5	2.77e5	112	11.6	0.895	bb

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Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 1.00275

RRF SD: 0.0328953, Relative SD: 3.28051

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.50	NO	32.49	0.987	1.64e5	1.67e5	97.7	-2.3	0.980	bd
2	200930D2_2	100	0.50	NO	32.50	0.987	1.72e5	1.70e5	101	0.7	1.01	bd
3	200930D2_3	100	0.50	NO	32.48	0.987	1.84e5	1.90e5	97.0	-3.0	0.972	bd
4	200930D2_4	100	0.49	NO	32.49	0.987	1.40e5	1.41e5	98.8	-1.2	0.991	bd
5	200930D2_5	100	0.51	NO	32.49	0.987	1.72e5	1.72e5	99.7	-0.3	1.00	bd
6	200930D2_6	100	0.51	NO	32.51	0.987	2.16e5	2.03e5	106	6.1	1.06	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.01877

RRF SD: 0.0214481, Relative SD: 2.1053

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.50	NO	32.63	0.991	1.66e5	1.67e5	97.7	-2.3	0.995	db
2	200930D2_2	100	0.49	NO	32.64	0.991	1.77e5	1.70e5	102	2.1	1.04	db
3	200930D2_3	100	0.49	NO	32.61	0.991	1.88e5	1.90e5	97.4	-2.6	0.992	db
4	200930D2_4	100	0.50	NO	32.63	0.991	1.45e5	1.41e5	101	0.6	1.02	db
5	200930D2_5	100	0.51	NO	32.63	0.991	1.75e5	1.72e5	100	-0.0	1.02	dd
6	200930D2_6	100	0.51	NO	32.64	0.991	2.11e5	2.03e5	102	2.3	1.04	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 0.954976

RRF SD: 0.0233865, Relative SD: 2.44891

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.50	NO	33.26	1.010	1.58e5	1.67e5	98.9	-1.1	0.944	bd
2	200930D2_2	100	0.51	NO	33.27	1.010	1.61e5	1.70e5	99.2	-0.8	0.947	bd

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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	200930D2_3	100	0.50	NO	33.26	1.010	1.81e5	1.90e5	100	0.0	0.955	bb
4	200930D2_4	100	0.50	NO	33.27	1.010	1.35e5	1.41e5	99.6	-0.4	0.951	bb
5	200930D2_5	100	0.51	NO	33.27	1.010	1.60e5	1.72e5	97.6	-2.4	0.932	bb
6	200930D2_6	100	0.50	NO	33.28	1.010	2.03e5	2.03e5	105	4.7	1.00	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.851129
 RRF SD: 0.0371274, Relative SD: 4.36213
 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.51	NO	34.27	1.041	1.36e5	1.67e5	95.7	-4.3	0.814	bb
2	200930D2_2	100	0.49	NO	34.29	1.041	1.44e5	1.70e5	99.8	-0.2	0.849	bb
3	200930D2_3	100	0.52	NO	34.27	1.041	1.55e5	1.90e5	96.0	-4.0	0.817	bd
4	200930D2_4	100	0.50	NO	34.28	1.041	1.20e5	1.41e5	99.4	-0.6	0.846	bb
5	200930D2_5	100	0.52	NO	34.28	1.041	1.49e5	1.72e5	102	1.5	0.864	bd
6	200930D2_6	100	0.50	NO	34.29	1.041	1.86e5	2.03e5	108	7.6	0.916	bb

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

Response Factor: 0.848459
 RRF SD: 0.0316015, Relative SD: 3.72458
 Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.43	NO	35.91	1.091	1.38e5	1.67e5	97.7	-2.3	0.829	bd
2	200930D2_2	100	0.41	NO	35.93	1.091	1.45e5	1.70e5	101	0.6	0.854	bb
3	200930D2_3	100	0.42	NO	35.91	1.091	1.54e5	1.90e5	95.9	-4.1	0.814	bb
4	200930D2_4	100	0.43	NO	35.92	1.091	1.17e5	1.41e5	97.4	-2.6	0.827	bb
5	200930D2_5	100	0.42	NO	35.92	1.091	1.49e5	1.72e5	102	2.3	0.868	bb
6	200930D2_6	100	0.42	NO	35.93	1.091	1.82e5	2.03e5	106	6.0	0.899	bb

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Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.624316

RRF SD: 0.0366881, Relative SD: 5.87653

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.42	NO	37.83	1.149	9.84e4	1.67e5	94.4	-5.6	0.589	bb
2	200930D2_2	100	0.44	NO	37.84	1.149	1.07e5	1.70e5	100	0.5	0.627	bd
3	200930D2_3	100	0.43	NO	37.82	1.149	1.10e5	1.90e5	93.3	-6.7	0.582	bb
4	200930D2_4	100	0.41	NO	37.83	1.149	8.69e4	1.41e5	98.4	-1.6	0.615	bb
5	200930D2_5	100	0.41	NO	37.83	1.149	1.13e5	1.72e5	105	5.4	0.658	bb
6	200930D2_6	100	0.43	NO	37.84	1.149	1.37e5	2.03e5	108	8.0	0.674	bb

Compound name: 13C-OCDF

Response Factor: 0.72976

RRF SD: 0.042457, Relative SD: 5.81794

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	200	0.87	NO	40.68	1.236	2.27e5	1.67e5	186	-6.8	0.680	bb
2	200930D2_2	200	0.87	NO	40.70	1.235	2.52e5	1.70e5	203	1.7	0.742	bb
3	200930D2_3	200	0.88	NO	40.68	1.236	2.61e5	1.90e5	189	-5.6	0.689	bb
4	200930D2_4	200	0.88	NO	40.69	1.236	2.04e5	1.41e5	198	-1.0	0.722	bb
5	200930D2_5	200	0.88	NO	40.69	1.236	2.58e5	1.72e5	206	2.8	0.750	bb
6	200930D2_6	200	0.90	NO	40.71	1.236	3.22e5	2.03e5	218	8.9	0.795	bb

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.2073

RRF SD: 0.177075, Relative SD: 14.667

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	0.250			25.79	1.027	3.48e2	1.48e5	0.195	-22.0	0.941	bb
2	200930D2_2	0.500			25.81	1.027	8.95e2	1.56e5	0.476	-4.9	1.15	bb

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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	200930D2_3	2.00			25.81	1.027	3.83e3	1.60e5	1.99	-0.7	1.20	bb
4	200930D2_4	10.0			25.81	1.027	1.49e4	1.27e5	9.73	-2.7	1.17	bd
5	200930D2_5	40.0			25.81	1.027	8.56e4	1.64e5	43.2	8.1	1.31	bd
6	200930D2_6	200			25.82	1.027	5.12e5	1.74e5	244	22.2	1.48	bb

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 1.11022e-016, Relative SD: 1.11022e-014

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.78	NO	25.10	1.000	1.48e5	1.48e5	100	-0.0	1.00	bb
2	200930D2_2	100	0.77	NO	25.13	1.000	1.56e5	1.56e5	100	0.0	1.00	bb
3	200930D2_3	100	0.78	NO	25.12	1.000	1.60e5	1.60e5	100	0.0	1.00	bb
4	200930D2_4	100	0.80	NO	25.12	1.000	1.27e5	1.27e5	100	0.0	1.00	bb
5	200930D2_5	100	0.79	NO	25.12	1.000	1.64e5	1.64e5	100	0.0	1.00	bb
6	200930D2_6	100	0.81	NO	25.13	1.000	1.74e5	1.74e5	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 1.11022e-016, Relative SD: 1.11022e-014

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	200930D2_1	100	0.79	NO	23.76	1.000	2.46e5	2.46e5	100	0.0	1.00	bb
2	200930D2_2	100	0.79	NO	23.79	1.000	2.51e5	2.51e5	100	0.0	1.00	bb
3	200930D2_3	100	0.79	NO	23.77	1.000	2.62e5	2.62e5	100	0.0	1.00	bb
4	200930D2_4	100	0.80	NO	23.77	1.000	2.07e5	2.07e5	100	-0.0	1.00	bb
5	200930D2_5	100	0.78	NO	23.77	1.000	2.56e5	2.56e5	100	0.0	1.00	bb
6	200930D2_6	100	0.77	NO	23.79	1.000	2.77e5	2.77e5	100	0.0	1.00	bb

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Dataset: U:\VG7.PRO\Results\200930D2\200930D2_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	200930D2_1	100	0.50	NO	32.92	1.000	1.67e5	1.67e5	100	0.0	1.00	bb
2	200930D2_2	100	0.49	NO	32.94	1.000	1.70e5	1.70e5	100	0.0	1.00	bb
3	200930D2_3	100	0.50	NO	32.92	1.000	1.90e5	1.90e5	100	0.0	1.00	bd
4	200930D2_4	100	0.50	NO	32.93	1.000	1.41e5	1.41e5	100	0.0	1.00	bb
5	200930D2_5	100	0.50	NO	32.93	1.000	1.72e5	1.72e5	100	0.0	1.00	bb
6	200930D2_6	100	0.50	NO	32.94	1.000	2.03e5	2.03e5	100	0.0	1.00	bb

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
Calibration: U:\VG7.PRO\CurveDB\Z3_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	4.43e2	0.67	NO	1.00	1.000	25.806	25.79	1.001	1.001	0.25382	102	0.0728	0.254
2	2 1,2,3,7,8-PeCDD	1.49e3	0.62	NO	0.935	1.000	30.166	30.15	1.001	1.000	1.2082	96.7	0.0691	1.21
3	3 1,2,3,4,7,8-HxCDD	1.43e3	1.21	NO	1.15	1.000	33.393	33.40	1.000	1.001	1.2230	97.8	0.0942	1.22
4	4 1,2,3,6,7,8-HxCDD	1.43e3	1.19	NO	1.02	1.000	33.503	33.50	1.000	1.000	1.1702	93.6	0.0968	1.17
5	5 1,2,3,7,8,9-HxCDD	1.50e3	1.28	NO	1.06	1.000	33.822	33.80	1.001	1.000	1.2264	98.1	0.0981	1.23
6	6 1,2,3,4,6,7,8-HpCDD	1.19e3	0.92	NO	1.00	1.000	37.190	37.19	1.000	1.000	1.1122	89.0	0.126	1.11
7	7 OCDD	2.06e3	0.95	NO	0.952	1.000	40.361	40.38	1.000	1.001	2.3892	95.6	0.133	2.39
8	8 2,3,7,8-TCDF	7.60e2	0.79	NO	1.01	1.000	25.143	25.15	1.001	1.001	0.29805	119	0.0517	0.298
9	9 1,2,3,7,8-PeCDF	2.34e3	1.56	NO	0.998	1.000	28.998	29.00	1.001	1.001	1.1933	95.5	0.0539	1.19
10	10 2,3,4,7,8-PeCDF	2.16e3	1.58	NO	1.07	1.000	29.974	29.96	1.001	1.001	1.0532	84.3	0.0475	1.05
11	11 1,2,3,4,7,8-HxCDF	2.00e3	1.19	NO	1.05	1.000	32.494	32.50	1.000	1.000	1.1620	93.0	0.0554	1.16
12	12 1,2,3,6,7,8-HxCDF	2.15e3	1.24	NO	1.10	1.000	32.635	32.64	1.000	1.000	1.1771	94.2	0.0541	1.18
13	13 2,3,4,6,7,8-HxCDF	1.91e3	1.25	NO	1.09	1.000	33.295	33.27	1.001	1.000	1.1126	89.0	0.0620	1.11
14	14 1,2,3,7,8,9-HxCDF	1.74e3	1.20	NO	1.08	1.000	34.271	34.29	1.000	1.001	1.1851	94.8	0.0794	1.19
15	15 1,2,3,4,6,7,8-HpCDF	1.81e3	0.96	NO	1.13	1.000	35.942	35.93	1.001	1.001	1.1552	92.4	0.0711	1.16
16	16 1,2,3,4,7,8,9-HpCDF	1.49e3	1.01	NO	1.29	1.000	37.826	37.84	1.000	1.000	1.1745	94.0	0.0684	1.17
17	17 OCDF	2.42e3	0.92	NO	0.953	1.000	40.680	40.69	1.000	1.000	2.2409	89.6	0.0901	2.24
18	18 13C-2,3,7,8-TCDD	1.74e5	0.78	NO	1.17	1.000	25.755	25.77	1.026	1.027	100.51	101	0.402	
19	19 13C-1,2,3,7,8-PeCDD	1.32e5	0.62	NO	0.914	1.000	29.937	30.15	1.193	1.201	97.346	97.3	0.269	
20	20 13C-1,2,3,4,7,8-HxCDD	1.01e5	1.30	NO	0.634	1.000	33.383	33.38	1.014	1.014	95.728	95.7	0.421	
21	21 13C-1,2,3,6,7,8-HxCDD	1.19e5	1.29	NO	0.724	1.000	33.491	33.50	1.017	1.018	98.682	98.7	0.368	
22	22 13C-1,2,3,7,8,9-HxCDD	1.15e5	1.25	NO	0.716	1.000	33.758	33.79	1.025	1.026	96.579	96.6	0.373	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.07e5	1.09	NO	0.660	1.000	37.169	37.18	1.129	1.129	96.706	96.7	0.575	
24	24 13C-OCDD	1.81e5	0.88	NO	0.587	1.000	40.145	40.36	1.219	1.226	185.28	92.6	0.361	
25	25 13C-2,3,7,8-TCDF	2.52e5	0.76	NO	1.02	1.000	24.851	25.12	0.990	1.001	100.09	100	0.369	
26	26 13C-1,2,3,7,8-PeCDF	1.96e5	1.64	NO	0.842	1.000	29.011	28.98	1.156	1.154	94.839	94.8	0.310	
27	27 13C-2,3,4,7,8-PeCDF	1.91e5	1.62	NO	0.802	1.000	29.897	29.94	1.191	1.193	96.912	96.9	0.326	
28	28 13C-1,2,3,4,7,8-HxCDF	1.64e5	0.50	NO	1.00	1.000	32.527	32.49	0.988	0.987	97.726	97.7	0.445	
29	29 13C-1,2,3,6,7,8-HxCDF	1.66e5	0.50	NO	1.02	1.000	32.658	32.63	0.992	0.991	97.658	97.7	0.438	
30	30 13C-2,3,4,6,7,8-HxCDF	1.58e5	0.50	NO	0.955	1.000	33.221	33.26	1.009	1.010	98.888	98.9	0.467	
31	31 13C-1,2,3,7,8,9-HxCDF	1.36e5	0.51	NO	0.851	1.000	34.285	34.27	1.041	1.041	95.657	95.7	0.524	

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Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.38e5	0.43	NO	0.848	1.000	35.786	35.91	1.087	1.091	97.740	97.7	0.497	
33	33 13C-1,2,3,4,7,8,9-HpCDF	9.84e4	0.42	NO	0.624	1.000	37.761	37.83	1.147	1.149	94.399	94.4	0.675	
34	34 13C-OCDF	2.27e5	0.87	NO	0.730	1.000	40.296	40.68	1.224	1.236	186.36	93.2	0.394	
35	35 37Cl-2,3,7,8-TCDD	3.48e2			1.21	1.000	25.752	25.79	1.026	1.027	0.19492	78.0	0.0690	
36	36 13C-1,2,3,4-TCDD	1.48e5	0.78	NO	1.00	1.000	25.260	25.10	1.000	1.000	100.00	100	0.471	
37	37 13C-1,2,3,4-TCDF	2.46e5	0.79	NO	1.00	1.000	23.930	23.76	1.000	1.000	100.00	100	0.377	
38	38 13C-1,2,3,4,6,9-HxCDF	1.67e5	0.50	NO	1.00	1.000	32.990	32.92	1.000	1.000	100.00	100	0.446	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	8.87e2	0.78	NO	1.00	1.000	25.821	25.82	1.001	1.001	0.50055	100	0.0605	0.501
2	2 1,2,3,7,8-PeCDD	2.83e3	0.66	NO	0.935	1.000	30.166	30.17	1.001	1.001	2.1217	84.9	0.0704	2.12
3	3 1,2,3,4,7,8-HxCDD	2.77e3	1.42	NO	1.15	1.000	33.404	33.40	1.000	1.000	2.2660	90.6	0.138	2.27
4	4 1,2,3,6,7,8-HxCDD	2.93e3	1.19	NO	1.02	1.000	33.514	33.53	1.000	1.000	2.3742	95.0	0.153	2.37
5	5 1,2,3,7,8,9-HxCDD	2.90e3	1.26	NO	1.06	1.000	33.833	33.81	1.001	1.000	2.2497	90.0	0.161	2.25
6	6 1,2,3,4,6,7,8-HpCDD	2.68e3	0.95	NO	1.00	1.000	37.201	37.20	1.000	1.000	2.3665	94.7	0.0876	2.37
7	7 OCDD	4.26e3	0.84	NO	0.952	1.000	40.383	40.39	1.000	1.000	4.3012	86.0	0.144	4.30
8	8 2,3,7,8-TCDF	1.27e3	0.76	NO	1.01	1.000	25.158	25.16	1.001	1.001	0.48435	96.9	0.0533	0.484
9	9 1,2,3,7,8-PeCDF	4.41e3	1.49	NO	0.998	1.000	29.018	29.02	1.001	1.001	2.2113	88.5	0.0589	2.21
10	10 2,3,4,7,8-PeCDF	4.71e3	1.60	NO	1.07	1.000	29.974	29.96	1.001	1.001	2.2165	88.7	0.0554	2.22
11	11 1,2,3,4,7,8-HxCDF	3.98e3	1.29	NO	1.05	1.000	32.505	32.52	1.000	1.000	2.2085	88.3	0.0509	2.21
12	12 1,2,3,6,7,8-HxCDF	4.33e3	1.33	NO	1.10	1.000	32.646	32.65	1.000	1.000	2.2276	89.1	0.0487	2.23
13	13 2,3,4,6,7,8-HxCDF	3.96e3	1.28	NO	1.09	1.000	33.306	33.28	1.001	1.000	2.2609	90.4	0.0596	2.26
14	14 1,2,3,7,8,9-HxCDF	3.56e3	1.35	NO	1.08	1.000	34.293	34.30	1.000	1.000	2.2843	91.4	0.0732	2.28
15	15 1,2,3,4,6,7,8-HpCDF	3.59e3	1.10	NO	1.13	1.000	35.964	35.95	1.001	1.001	2.1875	87.5	0.0754	2.19
16	16 1,2,3,4,7,8,9-HpCDF	2.96e3	1.11	NO	1.29	1.000	37.838	37.85	1.000	1.000	2.1582	86.3	0.0750	2.16
17	17 OCDF	5.45e3	0.88	NO	0.953	1.000	40.701	40.71	1.000	1.000	4.5423	90.8	0.0888	4.54
18	18 13C-2,3,7,8-TCDD	1.77e5	0.78	NO	1.17	1.000	25.786	25.79	1.026	1.026	96.769	96.8	0.372	
19	19 13C-1,2,3,7,8-PeCDD	1.43e5	0.61	NO	0.914	1.000	29.974	30.15	1.193	1.199	100.22	100	0.199	
20	20 13C-1,2,3,4,7,8-HxCDD	1.06e5	1.29	NO	0.634	1.000	33.405	33.39	1.014	1.014	98.510	98.5	0.441	
21	21 13C-1,2,3,6,7,8-HxCDD	1.21e5	1.25	NO	0.724	1.000	33.514	33.51	1.017	1.017	97.961	98.0	0.386	
22	22 13C-1,2,3,7,8,9-HxCDD	1.22e5	1.30	NO	0.716	1.000	33.780	33.80	1.025	1.026	100.00	100	0.390	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.13e5	1.06	NO	0.660	1.000	37.193	37.19	1.129	1.129	100.83	101	0.613	
24	24 13C-OCDD	2.08e5	0.87	NO	0.587	1.000	40.172	40.38	1.219	1.226	209.10	105	0.471	
25	25 13C-2,3,7,8-TCDF	2.58e5	0.80	NO	1.02	1.000	24.882	25.13	0.990	1.000	100.73	101	0.338	
26	26 13C-1,2,3,7,8-PeCDF	2.00e5	1.58	NO	0.842	1.000	29.046	29.00	1.156	1.154	94.617	94.6	0.364	
27	27 13C-2,3,4,7,8-PeCDF	1.98e5	1.56	NO	0.802	1.000	29.933	29.94	1.191	1.191	98.287	98.3	0.382	
28	28 13C-1,2,3,4,7,8-HxCDF	1.72e5	0.50	NO	1.00	1.000	32.548	32.50	0.988	0.987	100.71	101	0.407	
29	29 13C-1,2,3,6,7,8-HxCDF	1.77e5	0.49	NO	1.02	1.000	32.680	32.64	0.992	0.991	102.10	102	0.401	
30	30 13C-2,3,4,6,7,8-HxCDF	1.61e5	0.51	NO	0.955	1.000	33.243	33.27	1.009	1.010	99.175	99.2	0.428	
31	31 13C-1,2,3,7,8,9-HxCDF	1.44e5	0.49	NO	0.851	1.000	34.308	34.29	1.041	1.041	99.754	99.8	0.480	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.45e5	0.41	NO	0.848	1.000	35.810	35.93	1.087	1.091	100.64	101	0.494	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.07e5	0.44	NO	0.624	1.000	37.786	37.84	1.147	1.149	100.46	100	0.671	
34	34 13C-OCDF	2.52e5	0.87	NO	0.730	1.000	40.323	40.70	1.224	1.235	203.36	102	0.391	

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Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	8.95e2			1.21	1.000	25.784	25.81	1.026	1.027	0.47558	95.1	0.0525	
36	36 13C-1,2,3,4-TCDD	1.56e5	0.77	NO	1.00	1.000	25.260	25.13	1.000	1.000	100.00	100	0.436	
37	37 13C-1,2,3,4-TCDF	2.51e5	0.79	NO	1.00	1.000	23.930	23.79	1.000	1.000	100.00	100	0.345	
38	38 13C-1,2,3,4,6,9-HxCDF	1.70e5	0.49	NO	1.00	1.000	32.990	32.94	1.000	1.000	100.00	100	0.408	

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Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	3.35e3	0.80	NO	1.00	1.000	25.806	25.79	1.001	1.001	1.7454	87.3	0.0590	1.75
2	2 1,2,3,7,8-PeCDD	1.29e4	0.59	NO	0.935	1.000	30.166	30.15	1.001	1.000	8.9436	89.4	0.0709	8.94
3	3 1,2,3,4,7,8-HxCDD	1.21e4	1.33	NO	1.15	1.000	33.393	33.39	1.000	1.000	8.9337	89.3	0.114	8.93
4	4 1,2,3,6,7,8-HxCDD	1.28e4	1.26	NO	1.02	1.000	33.503	33.51	1.000	1.000	9.1556	91.6	0.120	9.16
5	5 1,2,3,7,8,9-HxCDD	1.28e4	1.33	NO	1.06	1.000	33.811	33.79	1.001	1.000	9.0082	90.1	0.115	9.01
6	6 1,2,3,4,6,7,8-HpCDD	1.09e4	1.04	NO	1.00	1.000	37.179	37.18	1.000	1.000	8.9356	89.4	0.134	8.94
7	7 OCDD	1.88e4	0.91	NO	0.952	1.000	40.361	40.37	1.000	1.000	18.794	94.0	0.105	18.8
8	8 2,3,7,8-TCDF	4.49e3	0.74	NO	1.01	1.000	25.143	25.15	1.001	1.001	1.6566	82.8	0.0457	1.66
9	9 1,2,3,7,8-PeCDF	2.02e4	1.59	NO	0.998	1.000	28.998	29.00	1.001	1.001	9.1384	91.4	0.0784	9.14
10	10 2,3,4,7,8-PeCDF	2.12e4	1.62	NO	1.07	1.000	29.974	29.96	1.001	1.001	9.3871	93.9	0.0692	9.39
11	11 1,2,3,4,7,8-HxCDF	1.75e4	1.25	NO	1.05	1.000	32.483	32.50	1.000	1.001	9.0042	90.0	0.0728	9.00
12	12 1,2,3,6,7,8-HxCDF	1.87e4	1.24	NO	1.10	1.000	32.624	32.64	1.000	1.001	9.0344	90.3	0.0761	9.03
13	13 2,3,4,6,7,8-HxCDF	1.77e4	1.26	NO	1.09	1.000	33.295	33.28	1.001	1.001	8.9732	89.7	0.0765	8.97
14	14 1,2,3,7,8,9-HxCDF	1.49e4	1.23	NO	1.08	1.000	34.271	34.29	1.000	1.001	8.8694	88.7	0.111	8.87
15	15 1,2,3,4,6,7,8-HpCDF	1.52e4	0.98	NO	1.13	1.000	35.942	35.92	1.001	1.000	8.7232	87.2	0.121	8.72
16	16 1,2,3,4,7,8,9-HpCDF	1.31e4	1.04	NO	1.29	1.000	37.816	37.83	1.000	1.000	9.1888	91.9	0.123	9.19
17	17 OCDF	2.28e4	0.87	NO	0.953	1.000	40.680	40.69	1.000	1.000	18.281	91.4	0.0889	18.3
18	18 13C-2,3,7,8-TCDD	1.92e5	0.75	NO	1.17	1.000	25.771	25.78	1.026	1.026	102.22	102	0.316	
19	19 13C-1,2,3,7,8-PeCDD	1.55e5	0.63	NO	0.914	1.000	29.955	30.15	1.193	1.200	105.86	106	0.332	
20	20 13C-1,2,3,4,7,8-HxCDD	1.17e5	1.28	NO	0.634	1.000	33.383	33.38	1.014	1.014	97.531	97.5	0.351	
21	21 13C-1,2,3,6,7,8-HxCDD	1.36e5	1.28	NO	0.724	1.000	33.491	33.50	1.017	1.018	99.251	99.3	0.307	
22	22 13C-1,2,3,7,8,9-HxCDD	1.34e5	1.26	NO	0.716	1.000	33.758	33.78	1.025	1.026	98.689	98.7	0.310	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.22e5	1.12	NO	0.660	1.000	37.169	37.17	1.129	1.129	97.425	97.4	0.540	
24	24 13C-OCDD	2.10e5	0.90	NO	0.587	1.000	40.145	40.36	1.219	1.226	188.69	94.3	0.406	
25	25 13C-2,3,7,8-TCDF	2.68e5	0.80	NO	1.02	1.000	24.866	25.12	0.990	1.000	99.924	99.9	0.356	
26	26 13C-1,2,3,7,8-PeCDF	2.22e5	1.59	NO	0.842	1.000	29.028	28.98	1.156	1.154	100.40	100	0.366	
27	27 13C-2,3,4,7,8-PeCDF	2.10e5	1.68	NO	0.802	1.000	29.915	29.94	1.191	1.192	100.05	100	0.385	
28	28 13C-1,2,3,4,7,8-HxCDF	1.84e5	0.50	NO	1.00	1.000	32.527	32.48	0.988	0.987	96.954	97.0	0.452	
29	29 13C-1,2,3,6,7,8-HxCDF	1.88e5	0.49	NO	1.02	1.000	32.658	32.61	0.992	0.991	97.404	97.4	0.445	
30	30 13C-2,3,4,6,7,8-HxCDF	1.81e5	0.50	NO	0.955	1.000	33.221	33.26	1.009	1.010	100.01	100	0.475	
31	31 13C-1,2,3,7,8,9-HxCDF	1.55e5	0.52	NO	0.851	1.000	34.285	34.27	1.041	1.041	96.035	96.0	0.532	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.54e5	0.42	NO	0.848	1.000	35.786	35.91	1.087	1.091	95.936	95.9	0.449	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.10e5	0.43	NO	0.624	1.000	37.761	37.82	1.147	1.149	93.270	93.3	0.610	
34	34 13C-OCDF	2.61e5	0.88	NO	0.730	1.000	40.296	40.68	1.224	1.236	188.84	94.4	0.327	

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Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	3.83e3			1.21	1.000	25.768	25.81	1.026	1.027	1.9864	99.3	0.0538	
36	36 13C-1,2,3,4-TCDD	1.60e5	0.78	NO	1.00	1.000	25.260	25.12	1.000	1.000	100.00	100	0.370	
37	37 13C-1,2,3,4-TCDF	2.62e5	0.79	NO	1.00	1.000	23.930	23.77	1.000	1.000	100.00	100	0.363	
38	38 13C-1,2,3,4,6,9-HxCDF	1.90e5	0.50	NO	1.00	1.000	32.990	32.92	1.000	1.000	100.00	100	0.453	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	1.39e4	0.77	NO	1.00	1.000	25.821	25.81	1.001	1.001	9.5080	95.1	0.111	9.51
2	2 1,2,3,7,8-PeCDD	5.42e4	0.59	NO	0.935	1.000	30.166	30.17	1.001	1.001	49.698	99.4	0.181	49.7
3	3 1,2,3,4,7,8-HxCDD	5.14e4	1.26	NO	1.15	1.000	33.404	33.40	1.000	1.000	50.422	101	0.242	50.4
4	4 1,2,3,6,7,8-HxCDD	5.15e4	1.26	NO	1.02	1.000	33.503	33.53	1.000	1.001	49.826	99.7	0.270	49.8
5	5 1,2,3,7,8,9-HxCDD	5.21e4	1.29	NO	1.06	1.000	33.822	33.80	1.001	1.000	49.221	98.4	0.250	49.2
6	6 1,2,3,4,6,7,8-HpCDD	4.59e4	1.05	NO	1.00	1.000	37.190	37.19	1.000	1.000	48.395	96.8	0.334	48.4
7	7 OCDD	7.84e4	0.91	NO	0.952	1.000	40.372	40.39	1.000	1.001	101.14	101	0.308	101
8	8 2,3,7,8-TCDF	1.88e4	0.74	NO	1.01	1.000	25.158	25.16	1.001	1.001	8.8783	88.8	0.0922	8.88
9	9 1,2,3,7,8-PeCDF	8.94e4	1.63	NO	0.998	1.000	29.019	29.00	1.001	1.000	49.989	100	0.142	50.0
10	10 2,3,4,7,8-PeCDF	8.96e4	1.62	NO	1.07	1.000	29.974	29.96	1.001	1.001	51.857	104	0.130	51.9
11	11 1,2,3,4,7,8-HxCDF	7.44e4	1.27	NO	1.05	1.000	32.494	32.50	1.000	1.000	50.500	101	0.220	50.5
12	12 1,2,3,6,7,8-HxCDF	7.93e4	1.26	NO	1.10	1.000	32.635	32.64	1.000	1.000	49.738	99.5	0.206	49.7
13	13 2,3,4,6,7,8-HxCDF	7.34e4	1.23	NO	1.09	1.000	33.306	33.28	1.001	1.000	50.165	100	0.237	50.2
14	14 1,2,3,7,8,9-HxCDF	6.56e4	1.26	NO	1.08	1.000	34.282	34.29	1.000	1.000	50.648	101	0.288	50.6
15	15 1,2,3,4,6,7,8-HpCDF	6.77e4	1.02	NO	1.13	1.000	35.953	35.94	1.001	1.001	51.219	102	0.334	51.2
16	16 1,2,3,4,7,8,9-HpCDF	5.55e4	1.02	NO	1.29	1.000	37.827	37.84	1.000	1.000	49.634	99.3	0.356	49.6
17	17 OCDF	9.70e4	0.90	NO	0.953	1.000	40.690	40.71	1.000	1.001	99.596	99.6	0.263	99.6
18	18 13C-2,3,7,8-TCDD	1.46e5	0.79	NO	1.17	1.000	25.771	25.79	1.026	1.027	97.942	97.9	0.382	
19	19 13C-1,2,3,7,8-PeCDD	1.17e5	0.63	NO	0.914	1.000	29.955	30.15	1.193	1.200	100.61	101	0.290	
20	20 13C-1,2,3,4,7,8-HxCDD	8.84e4	1.27	NO	0.634	1.000	33.394	33.39	1.014	1.014	98.658	98.7	0.415	
21	21 13C-1,2,3,6,7,8-HxCDD	1.01e5	1.26	NO	0.724	1.000	33.503	33.50	1.017	1.017	98.518	98.5	0.363	
22	22 13C-1,2,3,7,8,9-HxCDD	9.97e4	1.21	NO	0.716	1.000	33.769	33.79	1.025	1.026	98.480	98.5	0.367	
23	23 13C-1,2,3,4,6,7,8-HpCDD	9.48e4	1.06	NO	0.660	1.000	37.181	37.18	1.129	1.129	101.49	101	0.587	
24	24 13C-OCDD	1.63e5	0.88	NO	0.587	1.000	40.158	40.37	1.219	1.226	196.23	98.1	0.349	
25	25 13C-2,3,7,8-TCDF	2.10e5	0.78	NO	1.02	1.000	24.866	25.13	0.990	1.001	99.133	99.1	0.390	
26	26 13C-1,2,3,7,8-PeCDF	1.79e5	1.59	NO	0.842	1.000	29.028	29.00	1.156	1.154	102.97	103	0.440	
27	27 13C-2,3,4,7,8-PeCDF	1.61e5	1.67	NO	0.802	1.000	29.915	29.94	1.191	1.192	96.981	97.0	0.462	
28	28 13C-1,2,3,4,7,8-HxCDF	1.40e5	0.49	NO	1.00	1.000	32.538	32.49	0.988	0.987	98.799	98.8	0.562	
29	29 13C-1,2,3,6,7,8-HxCDF	1.45e5	0.50	NO	1.02	1.000	32.669	32.63	0.992	0.991	100.59	101	0.554	
30	30 13C-2,3,4,6,7,8-HxCDF	1.35e5	0.50	NO	0.955	1.000	33.233	33.27	1.009	1.010	99.579	99.6	0.591	
31	31 13C-1,2,3,7,8,9-HxCDF	1.20e5	0.50	NO	0.851	1.000	34.296	34.28	1.041	1.041	99.429	99.4	0.663	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.17e5	0.43	NO	0.848	1.000	35.798	35.92	1.087	1.091	97.444	97.4	0.468	
33	33 13C-1,2,3,4,7,8,9-HpCDF	8.69e4	0.41	NO	0.624	1.000	37.774	37.83	1.147	1.149	98.450	98.4	0.635	
34	34 13C-OCDF	2.04e5	0.88	NO	0.730	1.000	40.310	40.69	1.224	1.236	197.95	99.0	0.428	

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Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	1.49e4			1.21	1.000	25.768	25.81	1.026	1.027	9.7292	97.3	0.0917	
36	36 13C-1,2,3,4-TCDD	1.27e5	0.80	NO	1.00	1.000	25.260	25.12	1.000	1.000	100.00	100	0.448	
37	37 13C-1,2,3,4-TCDF	2.07e5	0.80	NO	1.00	1.000	23.930	23.77	1.000	1.000	100.00	100	0.399	
38	38 13C-1,2,3,4,6,9-HxCDF	1.41e5	0.50	NO	1.00	1.000	32.990	32.93	1.000	1.000	100.00	100	0.564	

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Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	7.37e4	0.76	NO	1.00	1.000	25.806	25.81	1.001	1.001	38.854	97.1	0.0708	38.9
2	2 1,2,3,7,8-PeCDD	2.74e5	0.60	NO	0.935	1.000	30.167	30.17	1.001	1.001	221.90	111	0.133	222
3	3 1,2,3,4,7,8-HxCDD	2.76e5	1.29	NO	1.15	1.000	33.404	33.40	1.000	1.000	219.24	110	0.210	219
4	4 1,2,3,6,7,8-HxCDD	2.74e5	1.23	NO	1.02	1.000	33.504	33.53	1.000	1.001	216.34	108	0.225	216
5	5 1,2,3,7,8,9-HxCDD	2.84e5	1.25	NO	1.06	1.000	33.823	33.81	1.001	1.001	219.54	110	0.229	220
6	6 1,2,3,4,6,7,8-HpCDD	2.47e5	1.04	NO	1.00	1.000	37.191	37.20	1.000	1.001	221.28	111	0.516	221
7	7 OCDD	4.22e5	0.90	NO	0.952	1.000	40.384	40.39	1.000	1.000	426.28	107	0.374	426
8	8 2,3,7,8-TCDF	1.04e5	0.77	NO	1.01	1.000	25.158	25.15	1.001	1.001	39.830	99.6	0.0601	39.8
9	9 1,2,3,7,8-PeCDF	4.62e5	1.61	NO	0.998	1.000	28.999	29.00	1.001	1.001	218.35	109	0.201	218
10	10 2,3,4,7,8-PeCDF	4.79e5	1.60	NO	1.07	1.000	29.974	29.96	1.001	1.001	225.85	113	0.162	226
11	11 1,2,3,4,7,8-HxCDF	4.05e5	1.25	NO	1.05	1.000	32.494	32.51	1.000	1.000	223.95	112	0.297	224
12	12 1,2,3,6,7,8-HxCDF	4.22e5	1.24	NO	1.10	1.000	32.636	32.64	1.000	1.000	219.12	110	0.284	219
13	13 2,3,4,6,7,8-HxCDF	3.94e5	1.24	NO	1.09	1.000	33.306	33.29	1.001	1.001	225.95	113	0.334	226
14	14 1,2,3,7,8,9-HxCDF	3.46e5	1.29	NO	1.08	1.000	34.283	34.29	1.000	1.000	215.45	108	0.399	215
15	15 1,2,3,4,6,7,8-HpCDF	3.79e5	1.04	NO	1.13	1.000	35.954	35.94	1.001	1.001	224.59	112	0.460	225
16	16 1,2,3,4,7,8,9-HpCDF	3.19e5	1.03	NO	1.29	1.000	37.827	37.84	1.000	1.000	219.44	110	0.460	219
17	17 OCDF	5.52e5	0.89	NO	0.953	1.000	40.691	40.71	1.000	1.001	449.43	112	0.339	449
18	18 13C-2,3,7,8-TCDD	1.89e5	0.79	NO	1.17	1.000	25.771	25.78	1.026	1.026	98.388	98.4	0.296	
19	19 13C-1,2,3,7,8-PeCDD	1.32e5	0.63	NO	0.914	1.000	29.956	30.15	1.193	1.200	88.219	88.2	0.204	
20	20 13C-1,2,3,4,7,8-HxCDD	1.09e5	1.28	NO	0.634	1.000	33.394	33.39	1.014	1.014	100.34	100	0.403	
21	21 13C-1,2,3,6,7,8-HxCDD	1.24e5	1.28	NO	0.724	1.000	33.503	33.50	1.017	1.017	99.250	99.3	0.353	
22	22 13C-1,2,3,7,8,9-HxCDD	1.22e5	1.23	NO	0.716	1.000	33.769	33.79	1.025	1.026	99.176	99.2	0.357	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.12e5	1.04	NO	0.660	1.000	37.181	37.18	1.129	1.129	98.247	98.2	0.525	
24	24 13C-OCDD	2.08e5	0.90	NO	0.587	1.000	40.159	40.38	1.219	1.226	206.10	103	0.403	
25	25 13C-2,3,7,8-TCDF	2.57e5	0.78	NO	1.02	1.000	24.867	25.13	0.990	1.001	98.299	98.3	0.313	
26	26 13C-1,2,3,7,8-PeCDF	2.12e5	1.62	NO	0.842	1.000	29.029	28.98	1.156	1.154	98.319	98.3	0.497	
27	27 13C-2,3,4,7,8-PeCDF	1.98e5	1.60	NO	0.802	1.000	29.915	29.94	1.191	1.192	96.177	96.2	0.522	
28	28 13C-1,2,3,4,7,8-HxCDF	1.72e5	0.51	NO	1.00	1.000	32.538	32.49	0.988	0.987	99.701	99.7	0.382	
29	29 13C-1,2,3,6,7,8-HxCDF	1.75e5	0.51	NO	1.02	1.000	32.670	32.63	0.992	0.991	99.974	100	0.376	
30	30 13C-2,3,4,6,7,8-HxCDF	1.60e5	0.51	NO	0.955	1.000	33.233	33.27	1.009	1.010	97.627	97.6	0.401	
31	31 13C-1,2,3,7,8,9-HxCDF	1.49e5	0.52	NO	0.851	1.000	34.296	34.28	1.041	1.041	101.52	102	0.450	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.49e5	0.42	NO	0.848	1.000	35.798	35.92	1.087	1.091	102.27	102	0.410	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.13e5	0.41	NO	0.624	1.000	37.774	37.83	1.147	1.149	105.42	105	0.557	
34	34 13C-OCDF	2.58e5	0.88	NO	0.730	1.000	40.310	40.69	1.224	1.236	205.63	103	0.367	

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Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	8.56e4			1.21	1.000	25.768	25.81	1.026	1.027	43.240	108	0.0718	
36	36 13C-1,2,3,4-TCDD	1.64e5	0.79	NO	1.00	1.000	25.260	25.12	1.000	1.000	100.00	100	0.348	
37	37 13C-1,2,3,4-TCDF	2.56e5	0.78	NO	1.00	1.000	23.930	23.77	1.000	1.000	100.00	100	0.319	
38	38 13C-1,2,3,4,6,9-HxCDF	1.72e5	0.50	NO	1.00	1.000	32.990	32.93	1.000	1.000	100.00	100	0.383	

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Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	7.58e5	0.78	NO	1.00	1.000	25.837	25.82	1.001	1.001	356.63	119	0.0966	357
2	2 1,2,3,7,8-PeCDD	2.85e6	0.62	NO	0.935	1.000	30.167	30.17	1.001	1.001	1780.4	119	0.172	1780
3	3 1,2,3,4,7,8-HxCDD	2.71e6	1.27	NO	1.15	1.000	33.404	33.42	1.000	1.001	1675.8	112	0.517	1680
4	4 1,2,3,6,7,8-HxCDD	2.69e6	1.28	NO	1.02	1.000	33.514	33.54	1.000	1.001	1680.7	112	0.531	1680
5	5 1,2,3,7,8,9-HxCDD	2.81e6	1.28	NO	1.06	1.000	33.834	33.82	1.001	1.001	1704.1	114	0.514	1700
6	6 1,2,3,4,6,7,8-HpCDD	2.53e6	1.04	NO	1.00	1.000	37.212	37.21	1.000	1.000	1793.7	120	1.10	1790
7	7 OCDD	4.25e6	0.91	NO	0.952	1.000	40.405	40.42	1.000	1.000	3501.8	117	0.640	3500
8	8 2,3,7,8-TCDF	9.86e5	0.76	NO	1.01	1.000	25.173	25.16	1.001	1.001	338.16	113	0.0928	338
9	9 1,2,3,7,8-PeCDF	4.38e6	1.61	NO	0.998	1.000	29.019	29.02	1.001	1.001	1733.2	116	0.290	1730
10	10 2,3,4,7,8-PeCDF	4.65e6	1.58	NO	1.07	1.000	29.994	29.96	1.001	1.000	1748.5	117	0.254	1750
11	11 1,2,3,4,7,8-HxCDF	3.93e6	1.26	NO	1.05	1.000	32.505	32.52	1.000	1.000	1735.3	116	0.598	1740
12	12 1,2,3,6,7,8-HxCDF	4.09e6	1.24	NO	1.10	1.000	32.646	32.65	1.000	1.000	1760.3	117	0.578	1760
13	13 2,3,4,6,7,8-HxCDF	3.89e6	1.24	NO	1.09	1.000	33.317	33.29	1.001	1.000	1762.8	118	0.677	1760
14	14 1,2,3,7,8,9-HxCDF	3.50e6	1.25	NO	1.08	1.000	34.293	34.30	1.000	1.000	1741.6	116	0.787	1740
15	15 1,2,3,4,6,7,8-HpCDF	3.65e6	1.03	NO	1.13	1.000	35.964	35.95	1.001	1.001	1771.8	118	1.17	1770
16	16 1,2,3,4,7,8,9-HpCDF	3.13e6	1.03	NO	1.29	1.000	37.838	37.86	1.000	1.001	1782.6	119	1.19	1780
17	17 OCDF	5.35e6	0.90	NO	0.953	1.000	40.713	40.73	1.000	1.001	3484.8	116	0.570	3480
18	18 13C-2,3,7,8-TCDD	2.12e5	0.79	NO	1.17	1.000	25.786	25.81	1.026	1.027	104.16	104	0.286	
19	19 13C-1,2,3,7,8-PeCDD	1.71e5	0.64	NO	0.914	1.000	29.974	30.15	1.193	1.199	107.75	108	0.215	
20	20 13C-1,2,3,4,7,8-HxCDD	1.40e5	1.26	NO	0.634	1.000	33.405	33.39	1.014	1.014	109.23	109	0.282	
21	21 13C-1,2,3,6,7,8-HxCDD	1.56e5	1.25	NO	0.724	1.000	33.514	33.51	1.017	1.017	106.34	106	0.247	
22	22 13C-1,2,3,7,8,9-HxCDD	1.55e5	1.28	NO	0.716	1.000	33.781	33.80	1.025	1.026	107.07	107	0.250	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.41e5	1.06	NO	0.660	1.000	37.194	37.20	1.129	1.129	105.30	105	0.429	
24	24 13C-OCDD	2.55e5	0.91	NO	0.587	1.000	40.172	40.41	1.219	1.226	214.60	107	0.280	
25	25 13C-2,3,7,8-TCDF	2.88e5	0.77	NO	1.02	1.000	24.882	25.15	0.990	1.001	101.82	102	0.296	
26	26 13C-1,2,3,7,8-PeCDF	2.53e5	1.56	NO	0.842	1.000	29.046	29.00	1.156	1.154	108.85	109	0.302	
27	27 13C-2,3,4,7,8-PeCDF	2.47e5	1.63	NO	0.802	1.000	29.933	29.96	1.191	1.192	111.60	112	0.317	
28	28 13C-1,2,3,4,7,8-HxCDF	2.16e5	0.51	NO	1.00	1.000	32.549	32.51	0.988	0.987	106.11	106	0.327	
29	29 13C-1,2,3,6,7,8-HxCDF	2.11e5	0.51	NO	1.02	1.000	32.680	32.64	0.992	0.991	102.28	102	0.322	
30	30 13C-2,3,4,6,7,8-HxCDF	2.03e5	0.50	NO	0.955	1.000	33.244	33.28	1.009	1.010	104.72	105	0.344	
31	31 13C-1,2,3,7,8,9-HxCDF	1.86e5	0.50	NO	0.851	1.000	34.308	34.29	1.041	1.041	107.61	108	0.386	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.82e5	0.42	NO	0.848	1.000	35.810	35.93	1.087	1.091	105.97	106	0.366	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.37e5	0.43	NO	0.624	1.000	37.787	37.84	1.147	1.149	108.00	108	0.497	
34	34 13C-OCDF	3.22e5	0.90	NO	0.730	1.000	40.323	40.71	1.224	1.236	217.87	109	0.278	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	5.12e5			1.21	1.000	25.784	25.82	1.026	1.027	244.41	122	0.0655	
36	36 13C-1,2,3,4-TCDD	1.74e5	0.81	NO	1.00	1.000	25.260	25.13	1.000	1.000	100.00	100	0.335	
37	37 13C-1,2,3,4-TCDF	2.77e5	0.77	NO	1.00	1.000	23.930	23.79	1.000	1.000	100.00	100	0.302	
38	38 13C-1,2,3,4,6,9-HxCDF	2.03e5	0.50	NO	1.00	1.000	32.990	32.94	1.000	1.000	100.00	100	0.328	

Dataset: Untitled

Last Altered: Thursday, October 01, 2020 10:37:09 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:37:36 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 22 Sep 2020 09:44:55

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	RT
1	1,3,6,8-TCDD (First)	22.41
2	1,2,8,9-TCDD (Last)	26.63
3	1,2,4,7,9-PeCDD (First)	28.07
4	1,2,3,8,9-PeCDD (Last)	30.51
5	1,2,4,6,7,9-HxCDD (First)	31.78
6	1,2,3,7,8,9-HxCDD (Last)	33.80
7	1,2,3,4,6,7,9-HpCDD (First)	36.29
8	1,2,3,4,6,7,8-HpCDD (Last)	37.19
9	1,3,6,8-TCDF (First)	20.29
10	1,2,8,9-TCDF (Last)	26.91
11	1,3,4,6,8-PeCDF (First)	26.55
12	1,2,3,8,9-PeCDF (Last)	30.83
13	1,2,3,4,6,8-HxCDF (First)	31.26
14	1,2,3,7,8,9-HxCDF (Last)	34.29
15	1,2,3,4,6,7,8-HpCDF (First)	35.94
16	1,2,3,4,7,8,9-HpCDF (Last)	37.84

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Thursday, October 01, 2020 10:38:02 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:38:09 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1613_rrt.mdb 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

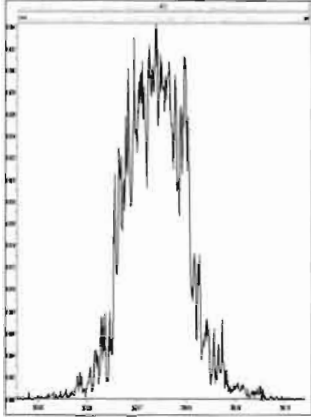
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
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2	200930D2_2	ST200930D2-2 1613 CS1 20F1103	30-Sep-20	12:51:13
3	200930D2_3	ST200930D2-3 1613 CS2 20F1104	30-Sep-20	13:37:23
4	200930D2_4	ST200930D2-4 1613 CS3 20F1105	30-Sep-20	14:23:39
5	200930D2_5	ST200930D2-5 1613 CS4 20F1106	30-Sep-20	15:49:01
6	200930D2_6	ST200930D2-6 1613 CS5 20F1107	30-Sep-20	16:35:44
7	200930D2_7	SOLVENT BLANK	30-Sep-20	17:21:53
8	200930D2_8	SS200930D2-1 1613 SSS 20F1108	30-Sep-20	18:08:02
9	200930D2_9	QC200930D2-1 TCDF CPSM	30-Sep-20	18:54:11
10	200930D2_10	B0I0193-BS1 OPR 10	30-Sep-20	19:40:20
11	200930D2_11	SOLVENT BLANK	30-Sep-20	20:26:29
12	200930D2_12	B0I0193-BLK1 Method Blank 10	30-Sep-20	21:11:54
13	200930D2_13	2002003-01 PDI-018SC-A-00-01-190926 10.15	30-Sep-20	21:57:18
14	200930D2_14	2002003-02 PDI-018SC-A-01-02-190926 11.65	30-Sep-20	22:43:26
15	200930D2_15	2002003-03 PDI-018SC-A-02-03-190926 10.16	30-Sep-20	23:29:40
16	200930D2_16	2002003-04 PDI-018SC-A-03-04-190926 11.5	01-Oct-20	00:15:48
17	200930D2_17	2002003-05 PDI-018SC-A-04-05-190926 10.06	01-Oct-20	01:01:11
18	200930D2_18	2002003-06 PDI-018SC-A-05-06-190926 10.33	01-Oct-20	01:46:37

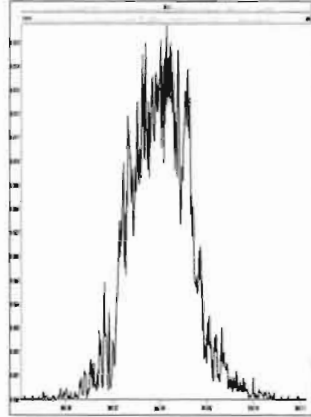
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, September 30, 2020 12:01:52 Pacific Daylight Time

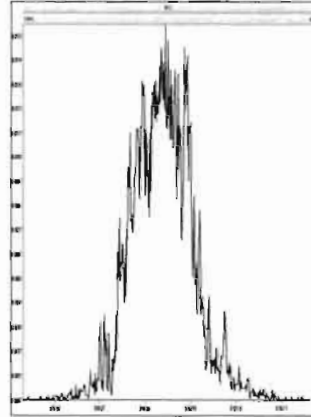
M 292.9824 R 12884



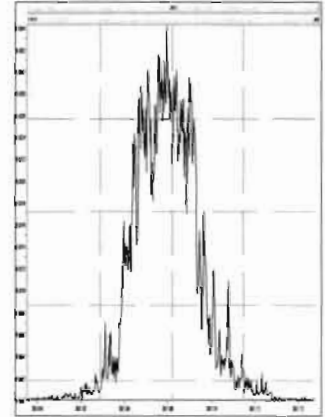
M 304.9824 R 12191



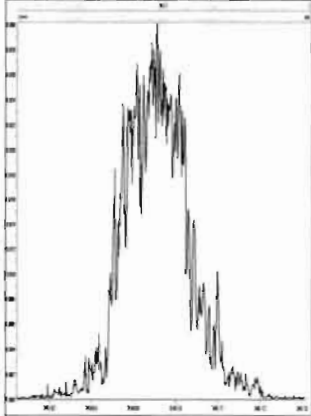
M 318.9792 R 13441



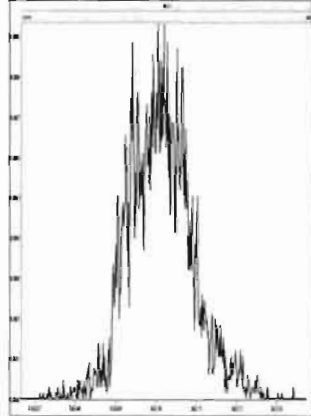
M 330.9792 R 10728



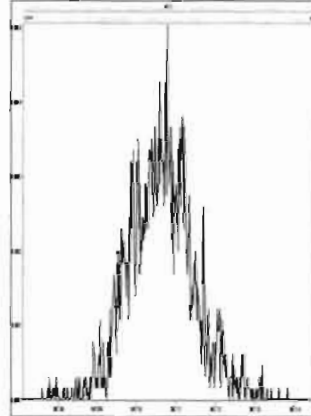
M 342.9792 R 11907



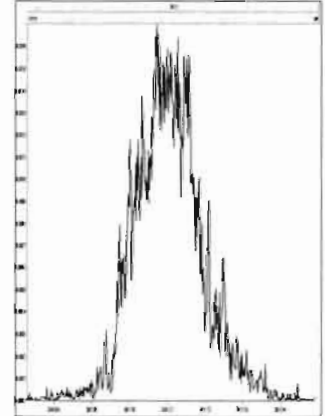
M 354.9792 R 12078



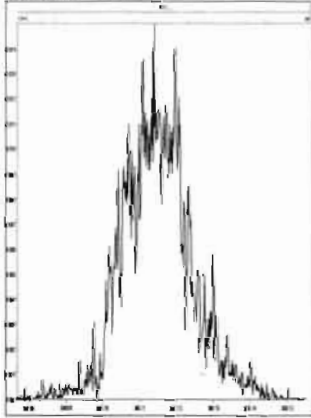
M 366.9792 R 11847



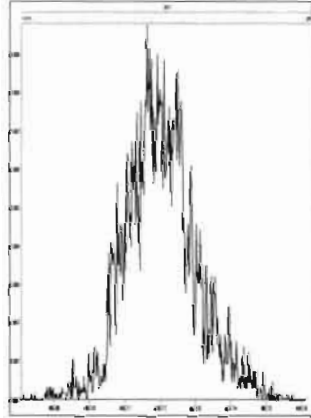
M 380.9760 R 10458



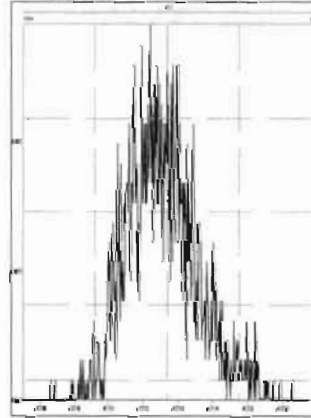
M 392.9760 R 10247



M 404.9760 R 10416



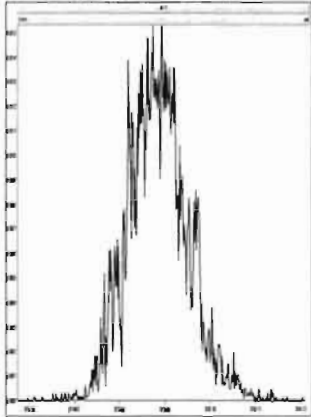
M 416.9760 R 11685



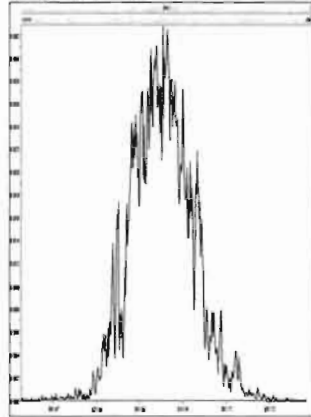
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, September 30, 2020 12:02:33 Pacific Daylight Time

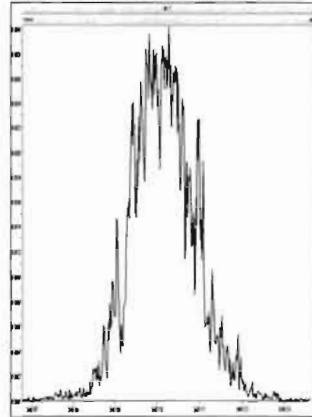
M 318.9792 R 11463



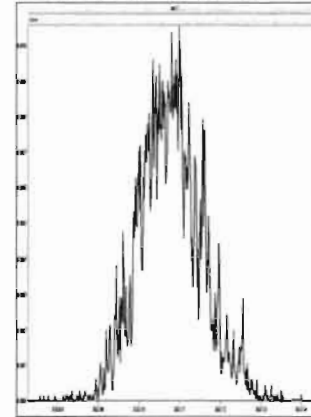
M 330.9792 R 10775



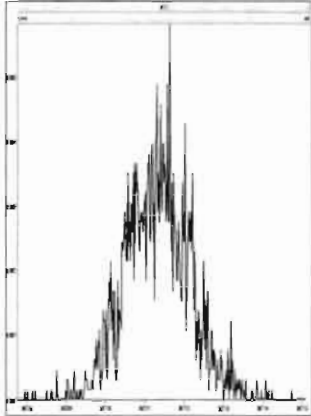
M 342.9792 R 10414



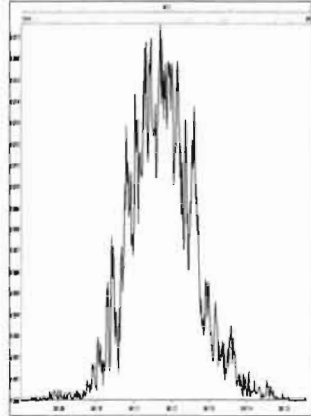
M 354.9792 R 10772



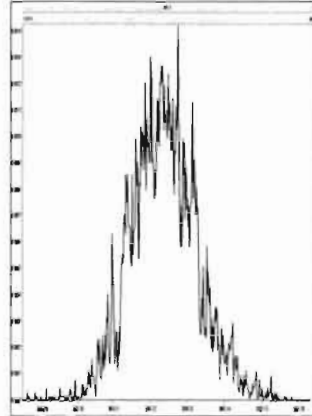
M 366.9792 R 11520



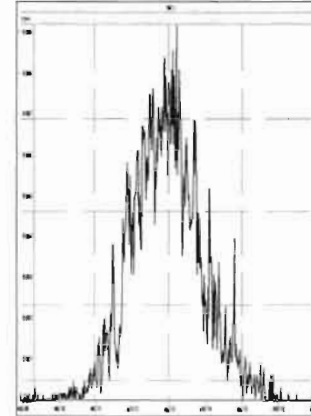
M 380.9760 R 10778



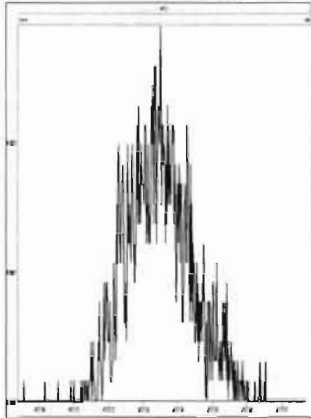
M 392.9760 R 10201



M 404.9760 R 10504



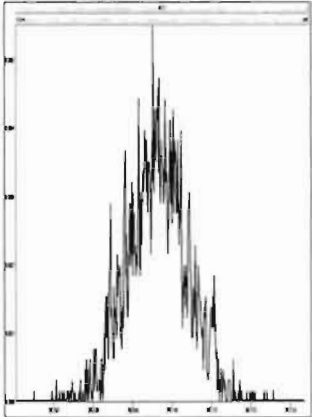
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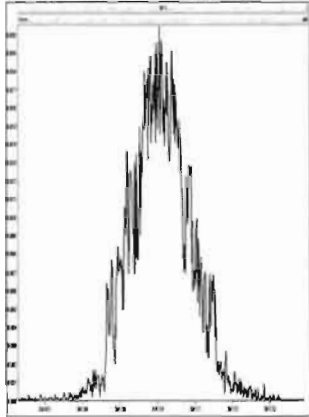
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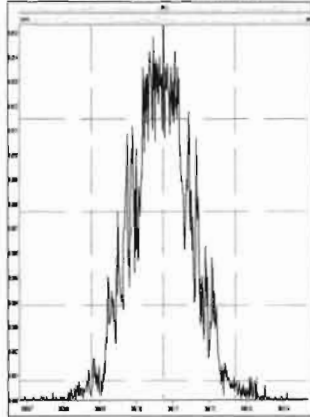
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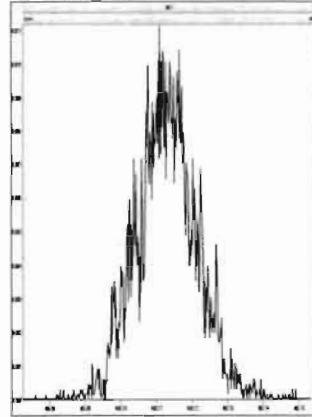
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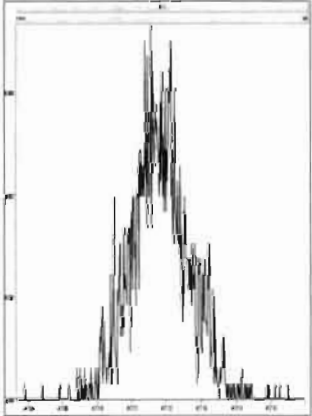
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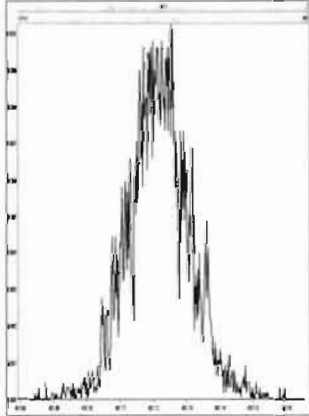
M 404.9760 R 11792



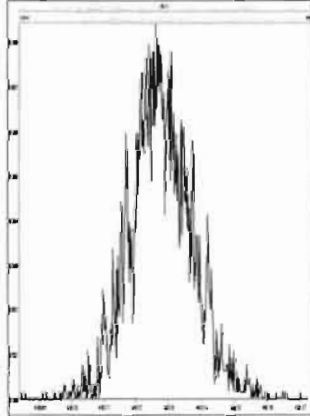
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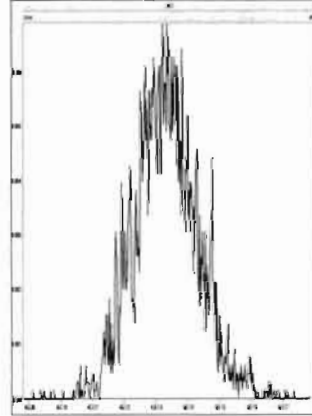
M 430.9728 R 11469



M 442.9728 R 11161



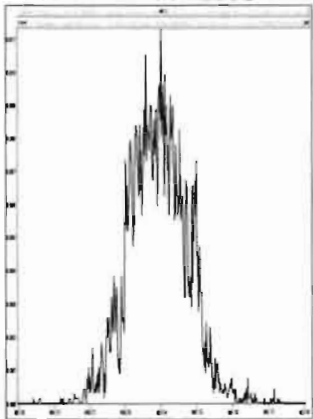
M 454.9728 R 10868



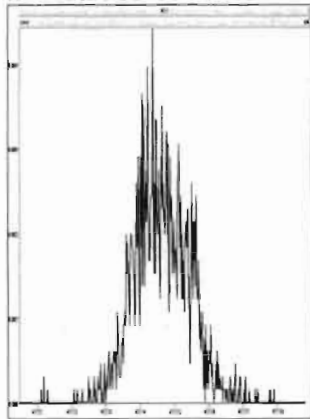
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

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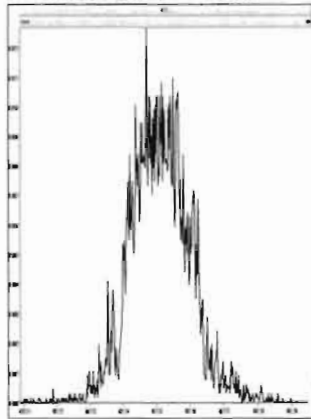
M 404.9760 R 12500



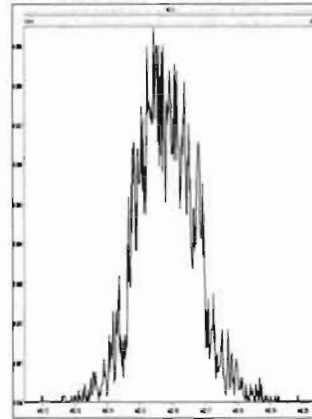
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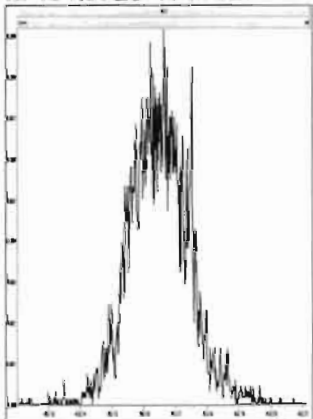
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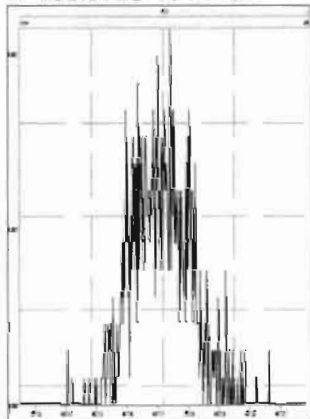
M 442.9728 R 12256



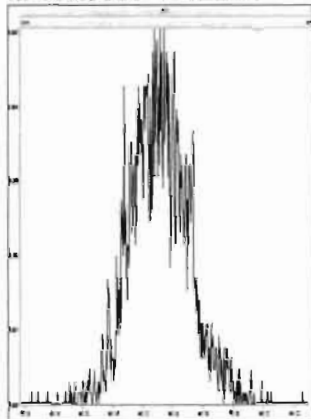
M 454.9728 R 11627



M 466.9728 R 14704



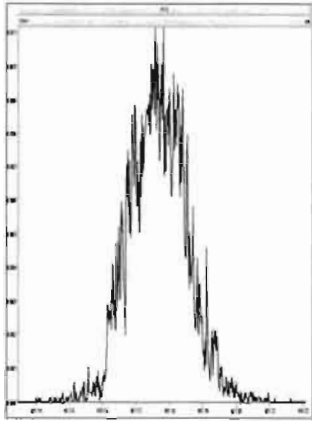
M 480.9696 R 12252



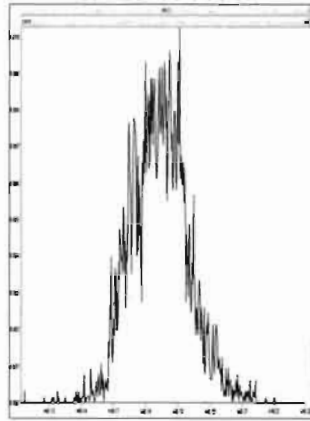
File: Experiment: ocdd_db5.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, September 30, 2020 12:04:30 Pacific Daylight Time

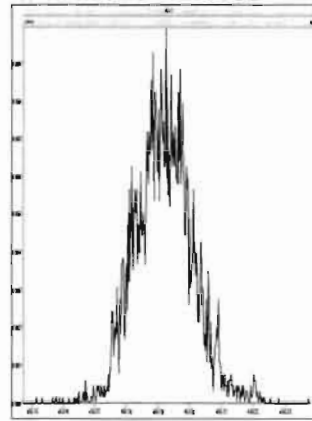
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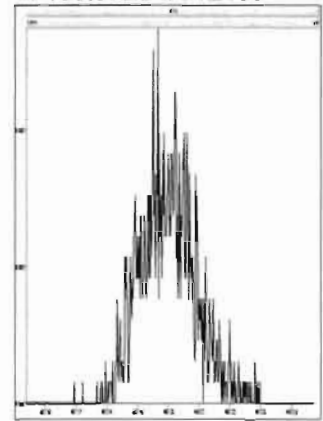
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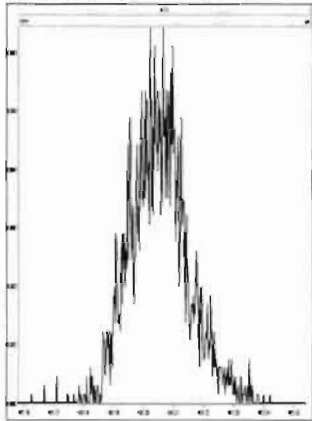
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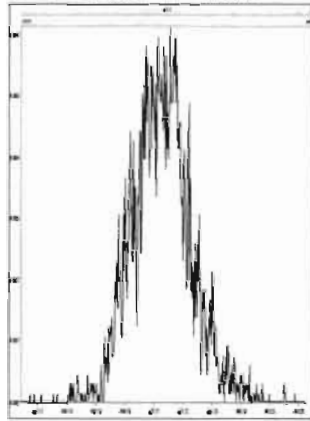
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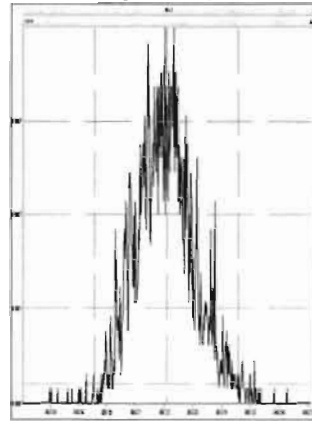
M 480.9696 R 12317



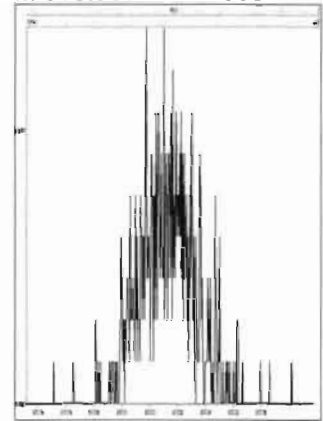
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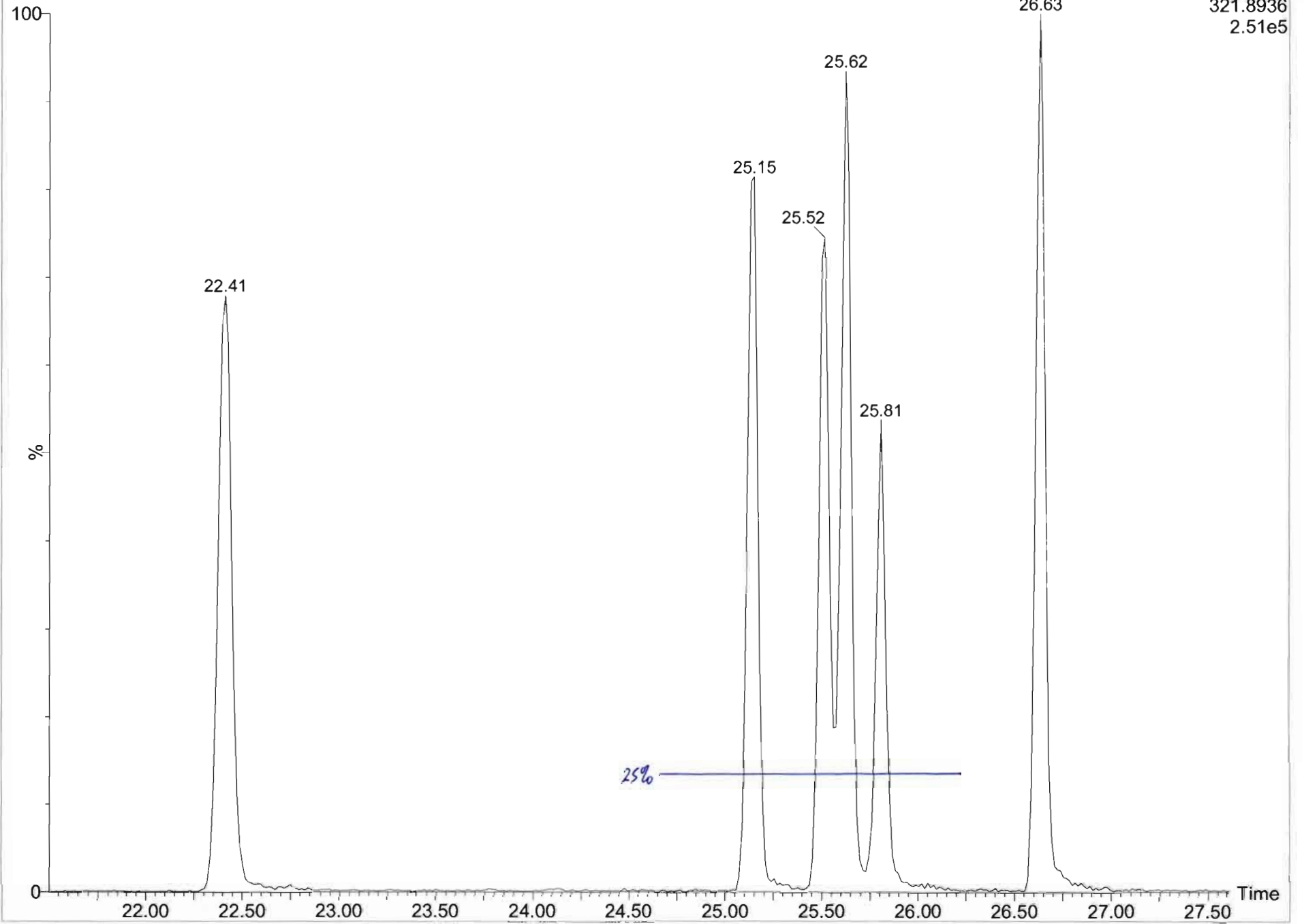


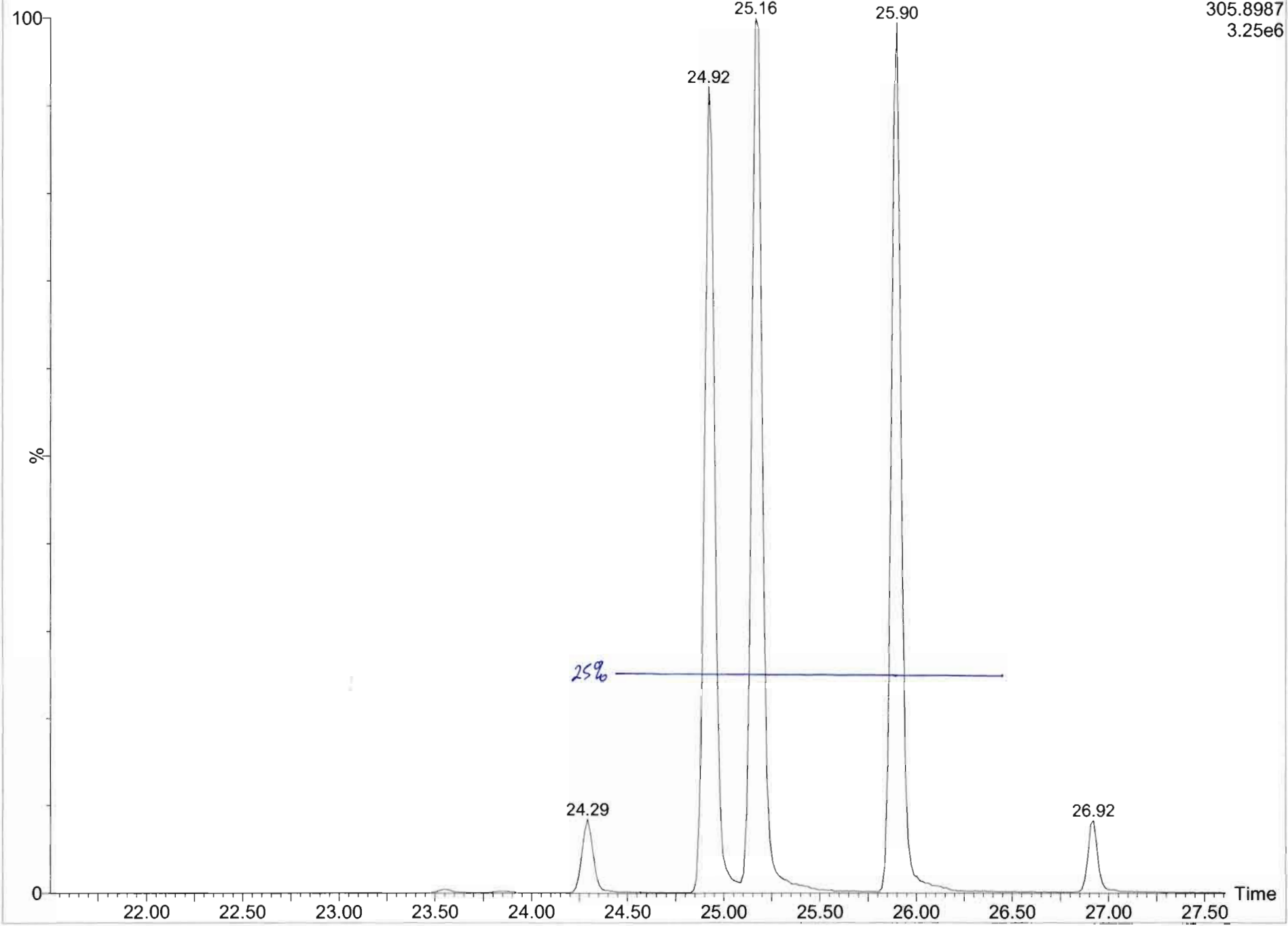
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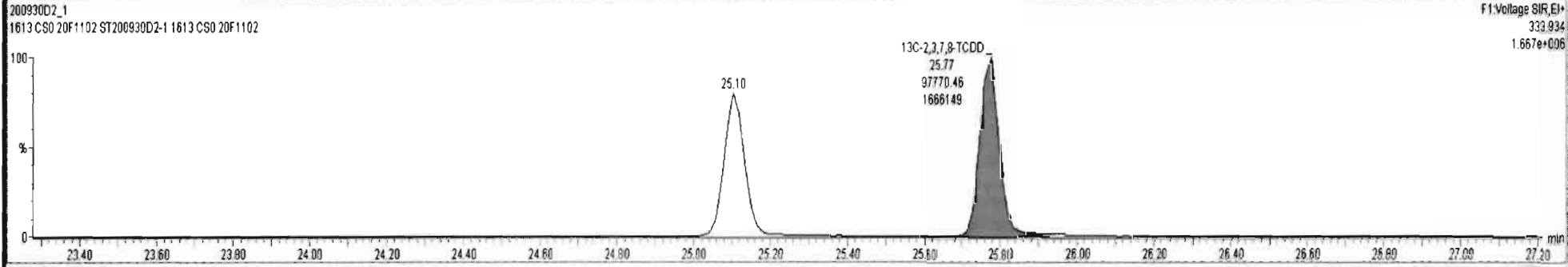
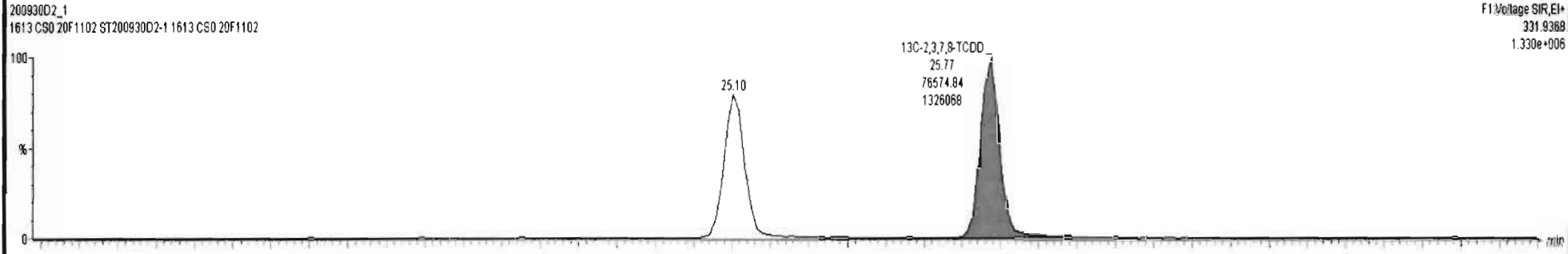
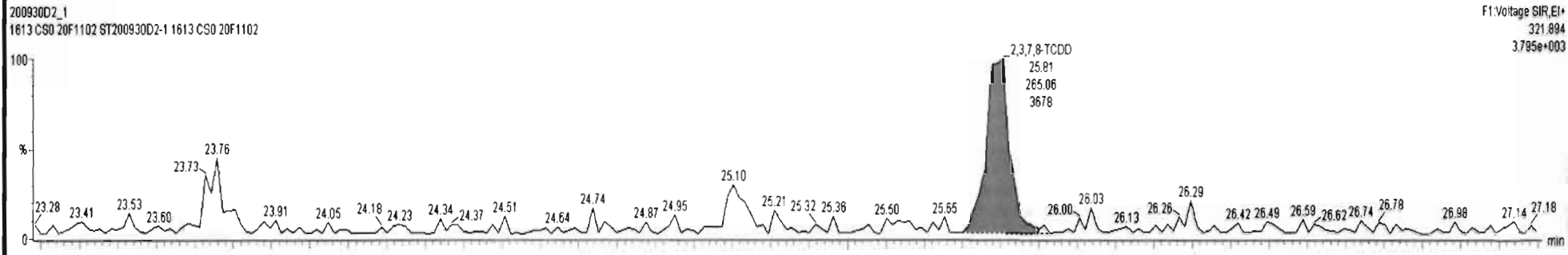
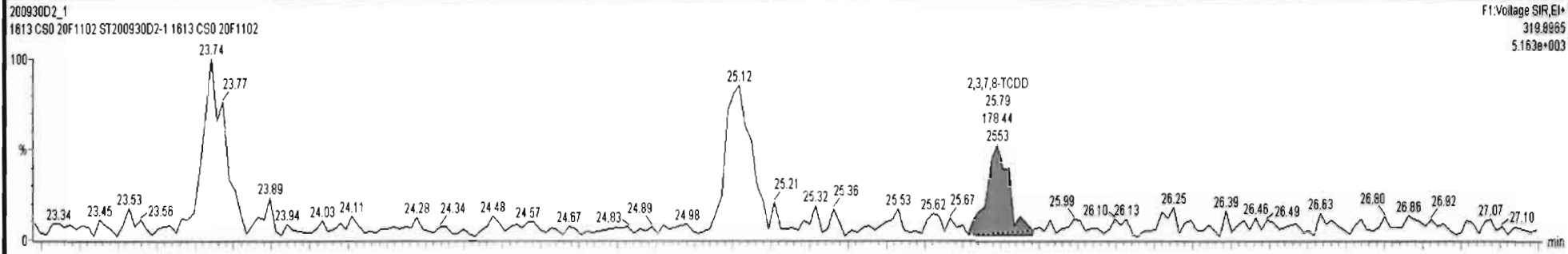
M 516.9697 R 11903







200930D2_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

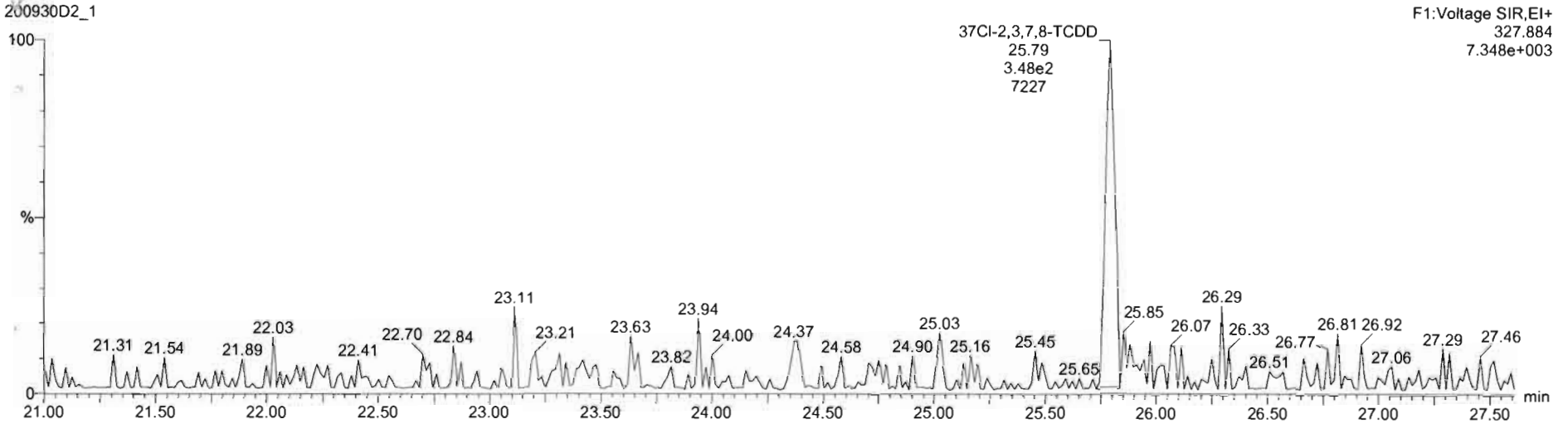


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

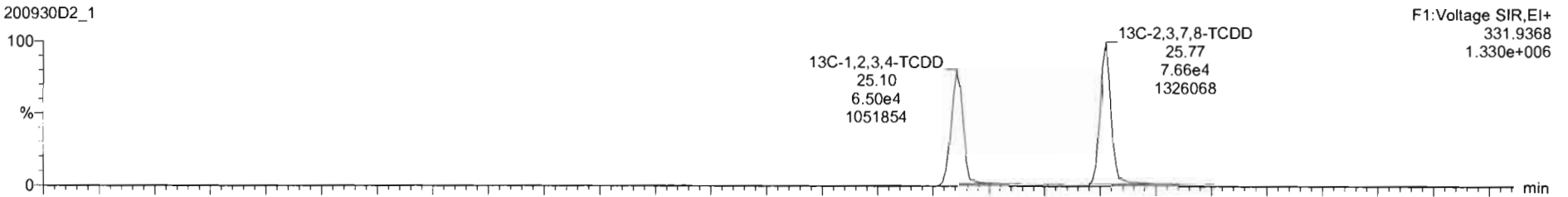
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

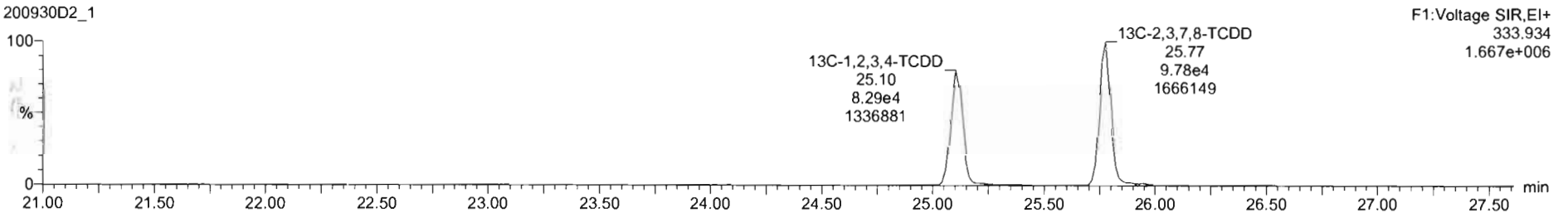
3 · Cl-2,3,7,8-TCDD
200930D2_1



13C-1,2,3,4-TCDD
200930D2_1



200930D2_1



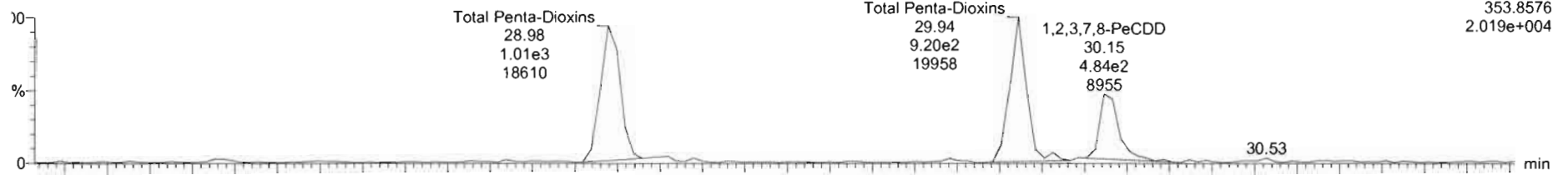
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

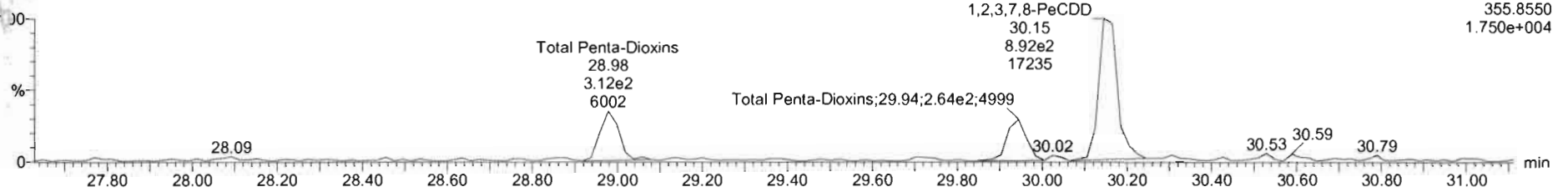
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1,2,3,7,8-PeCDD

200930D2_1

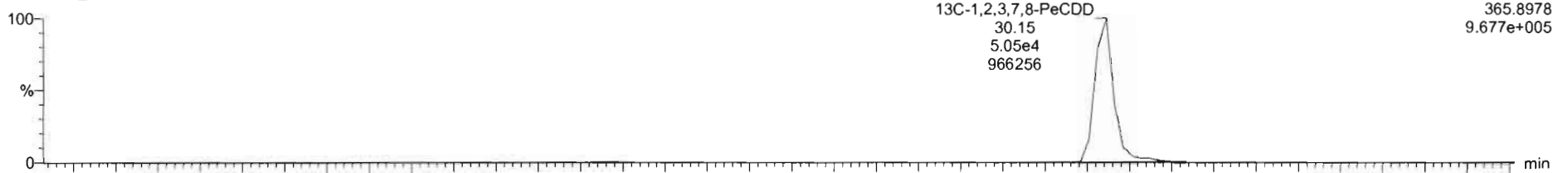


200930D2_1

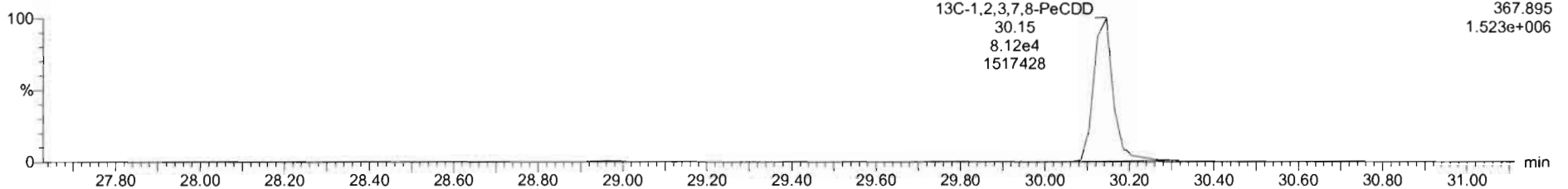


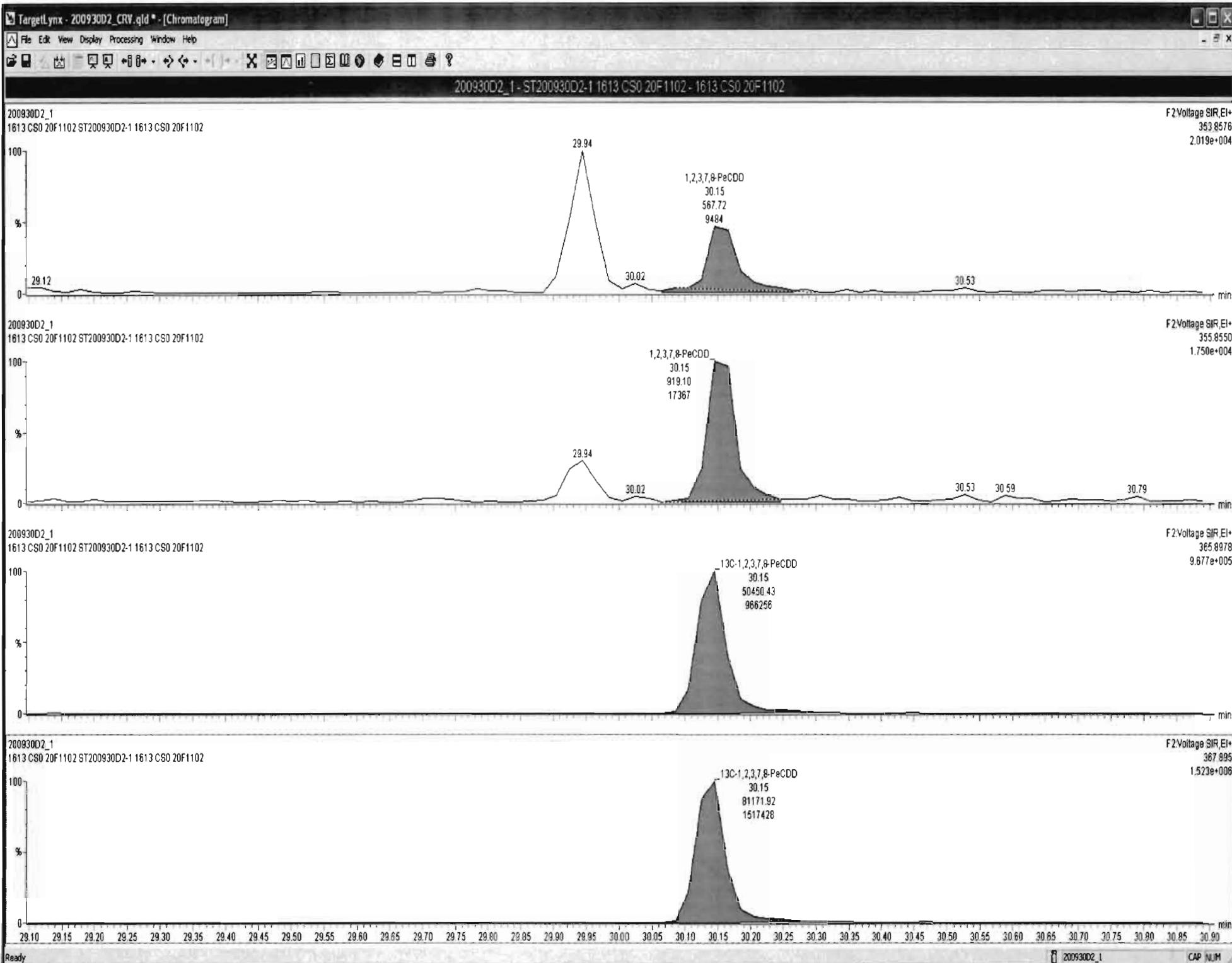
13C-1,2,3,7,8-PeCDD

200930D2_1



200930D2_1





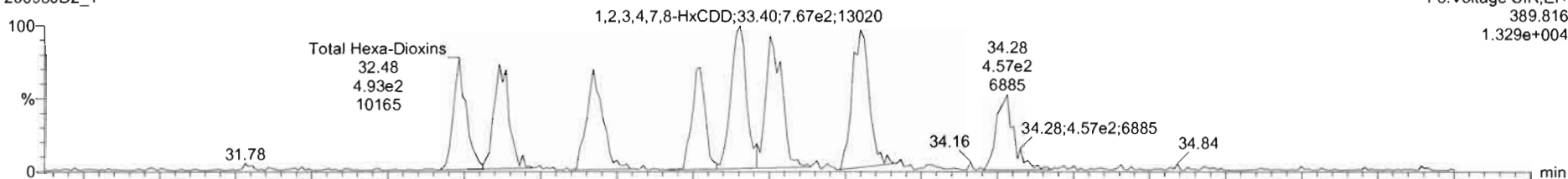
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

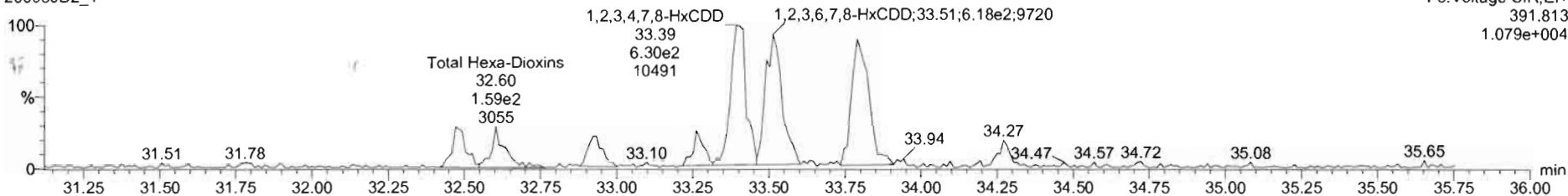
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1,2,3,4,7,8-HxCDD

200930D2_1

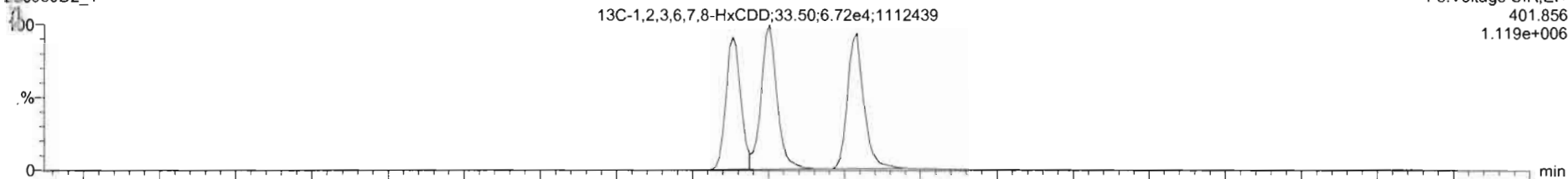


200930D2_1

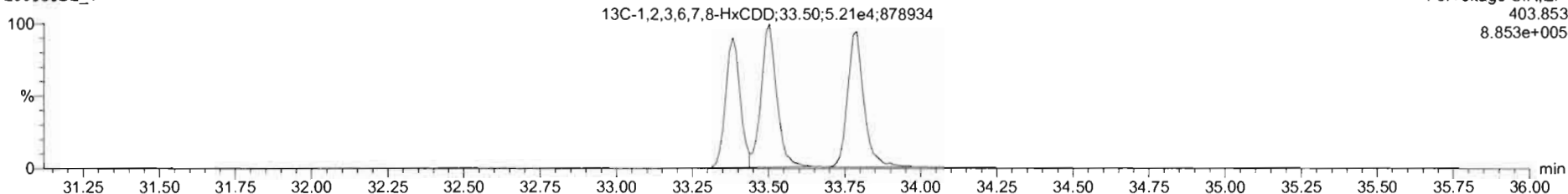


13C-1,2,3,4,7,8-HxCDD

200930D2_1

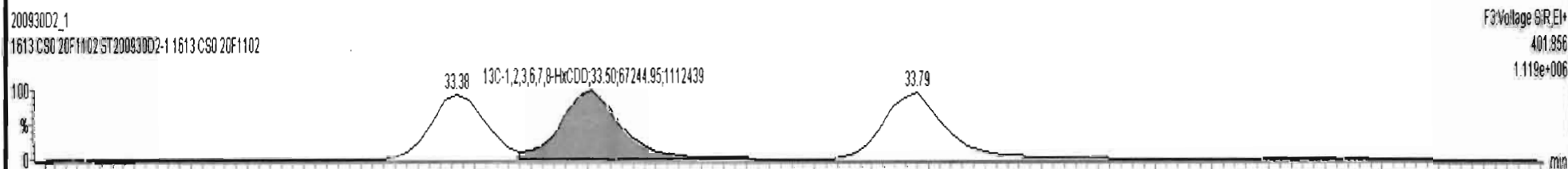
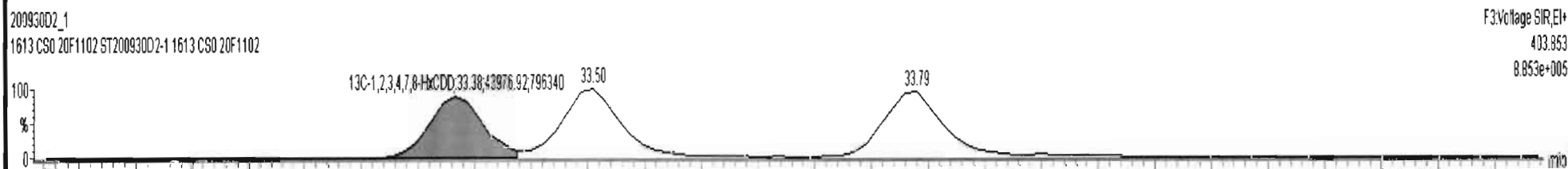
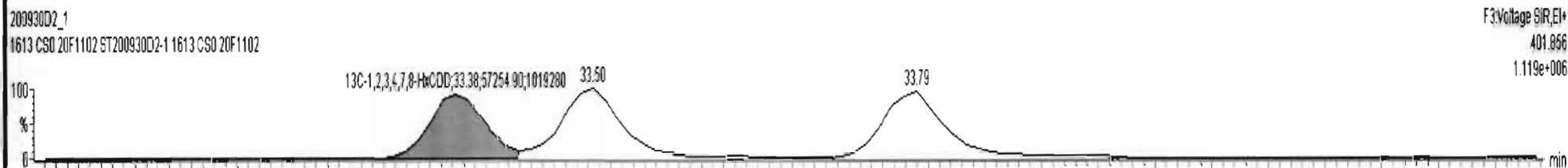
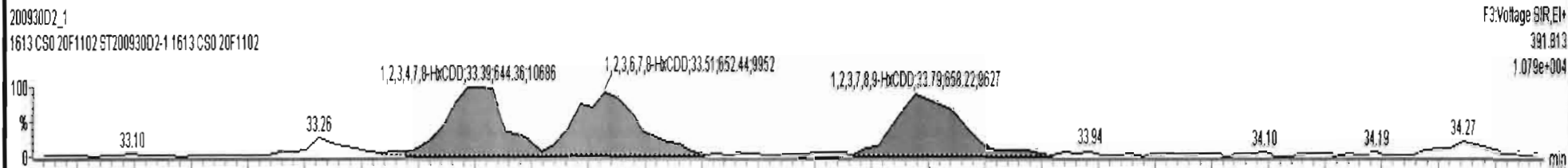
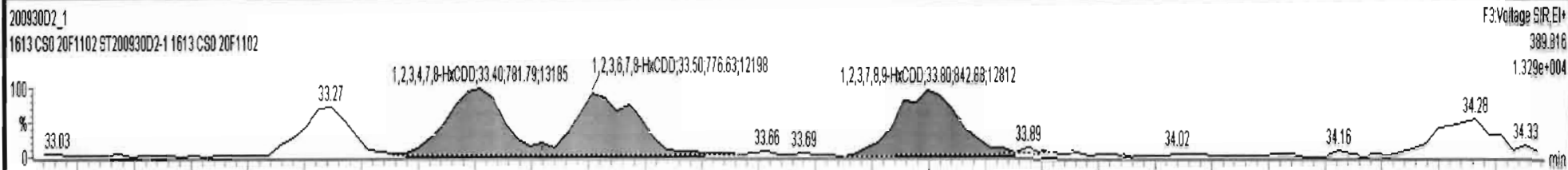


200930D2_1





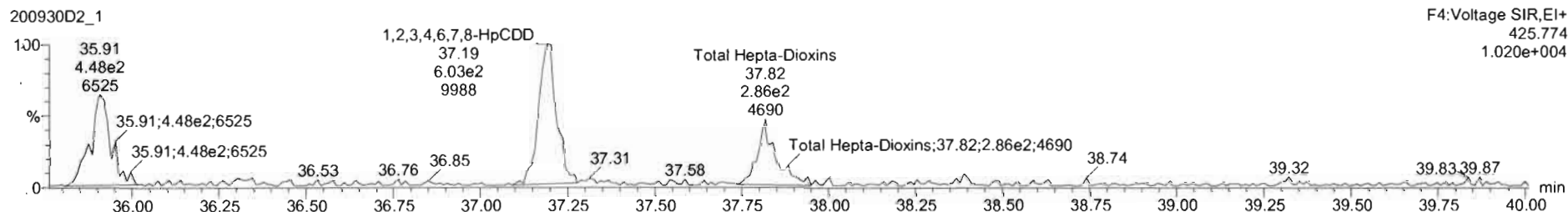
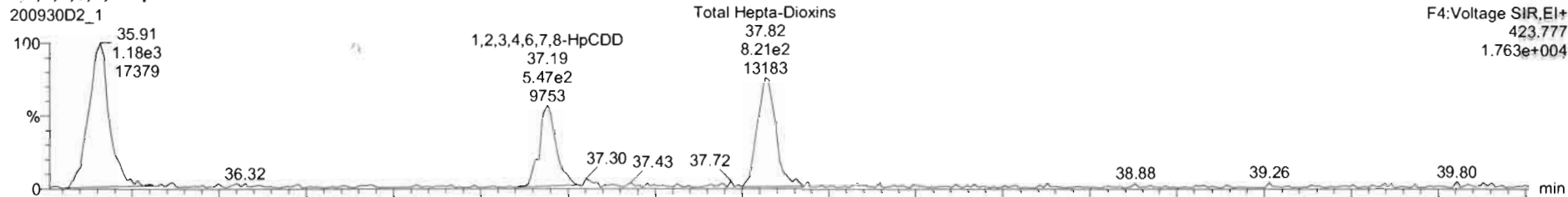
200930D2_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102



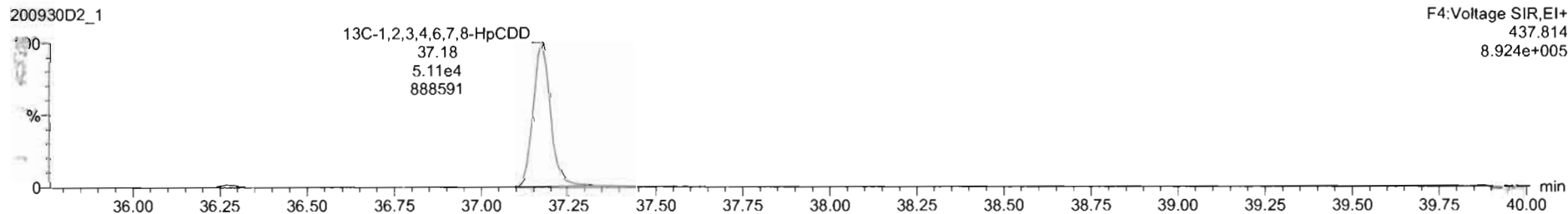
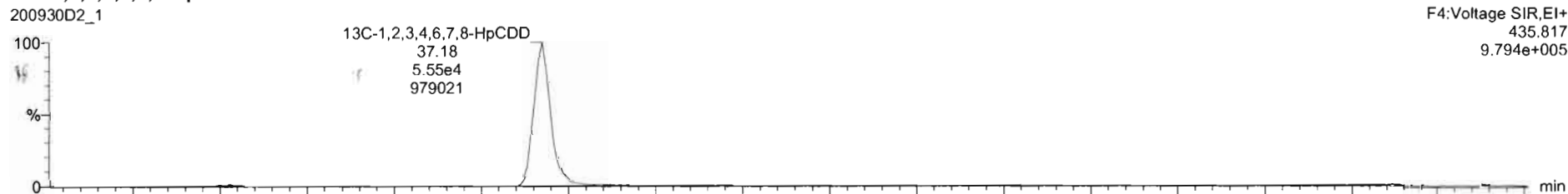
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

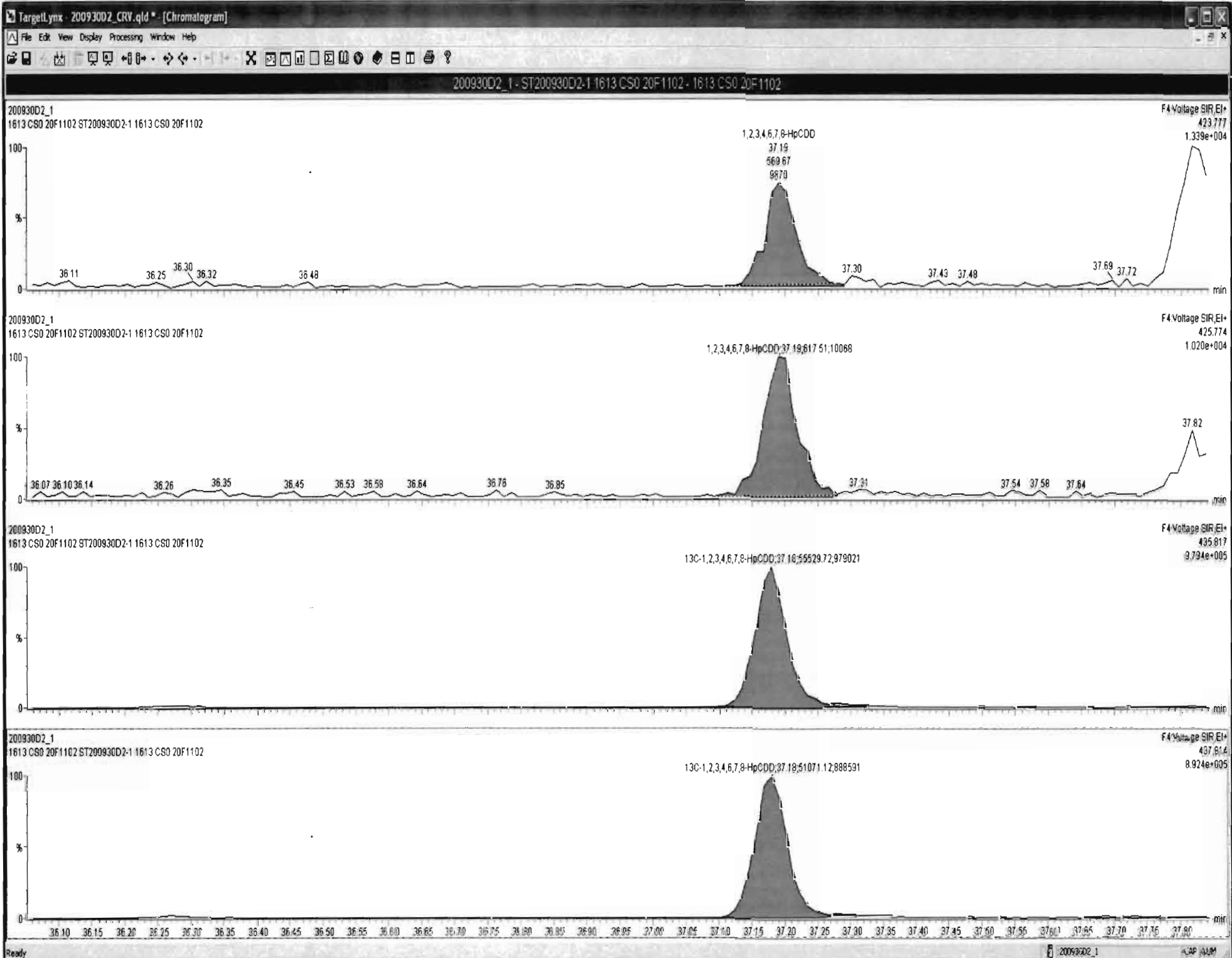
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1,2,3,4,6,7,8-HpCDD



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

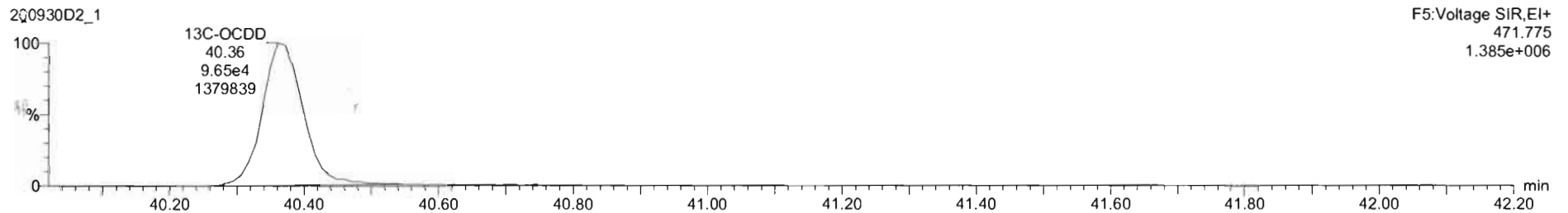
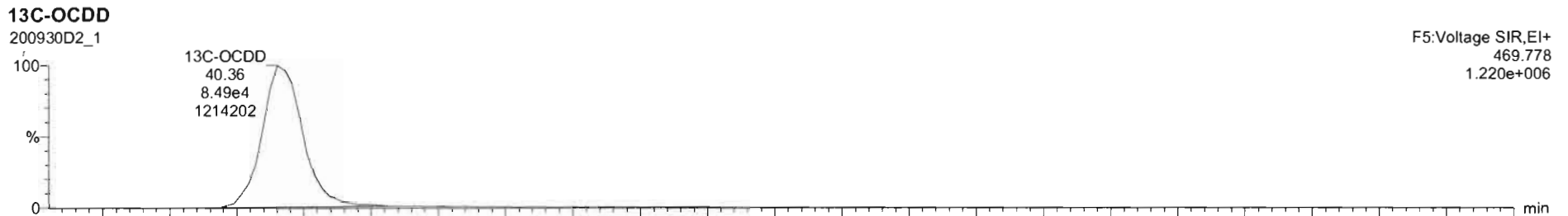
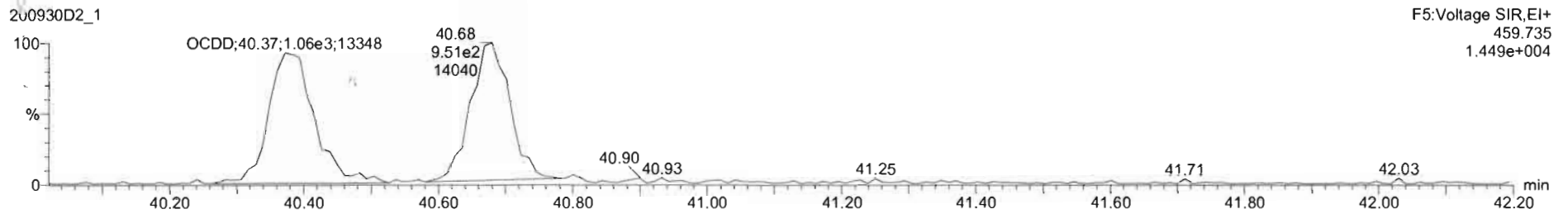
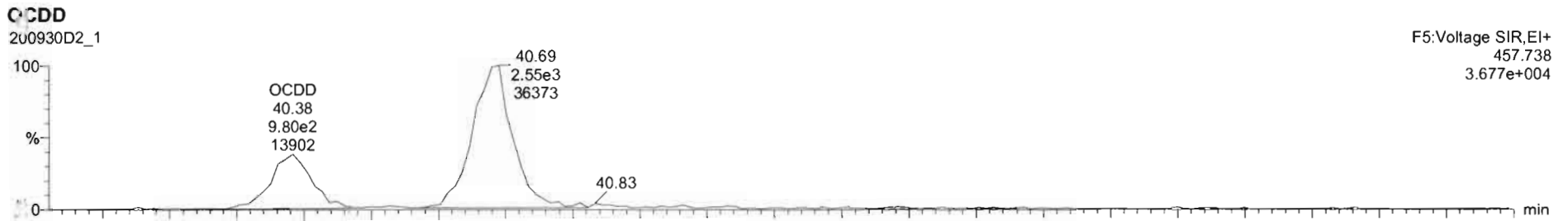


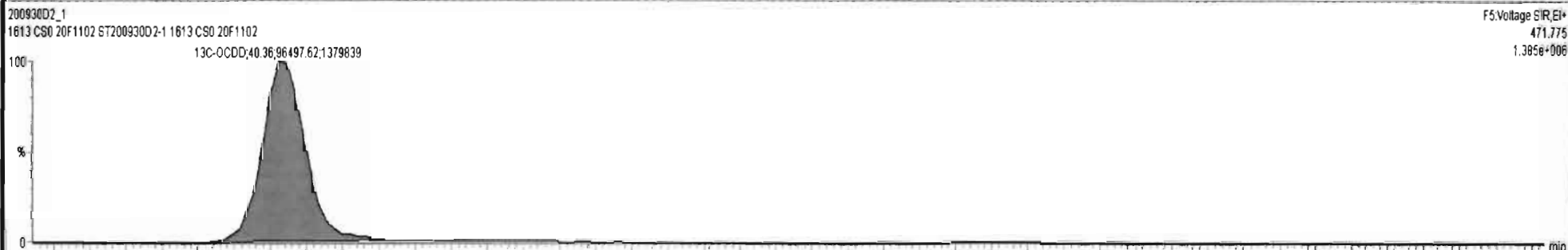
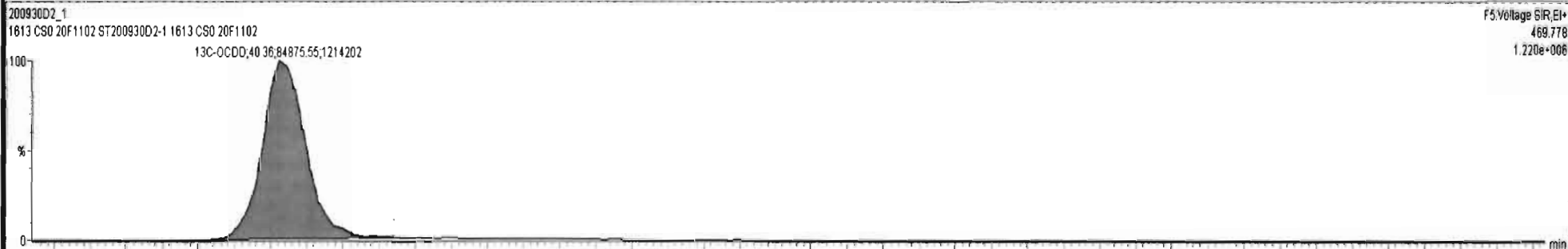
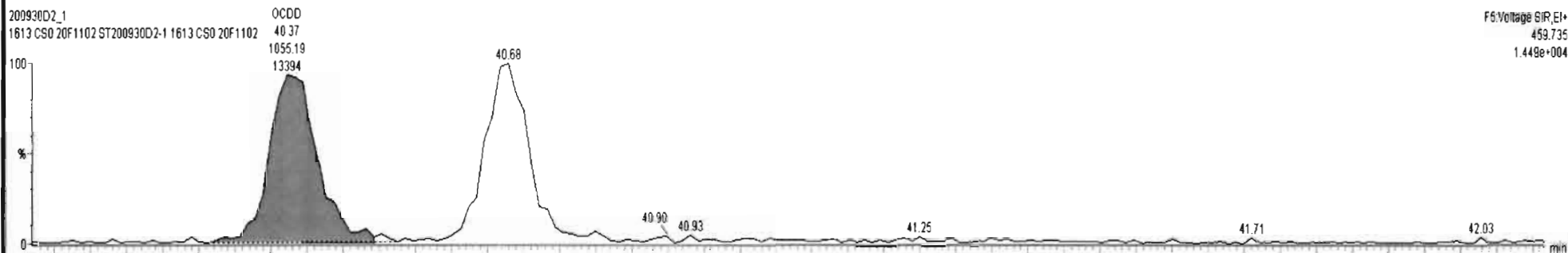
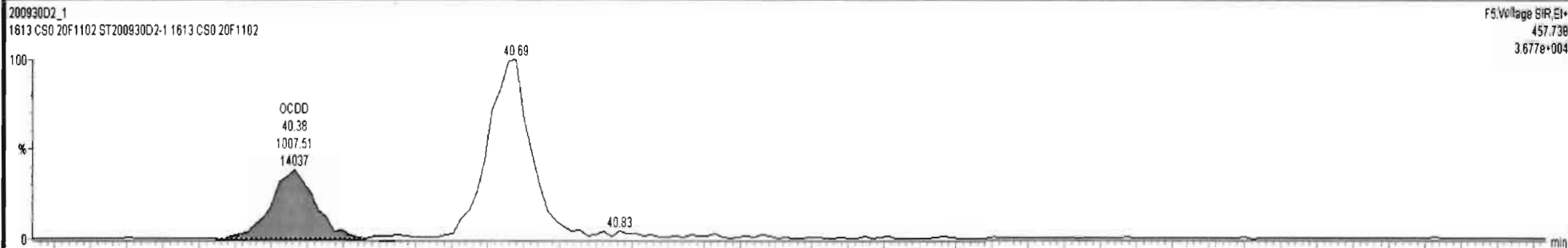


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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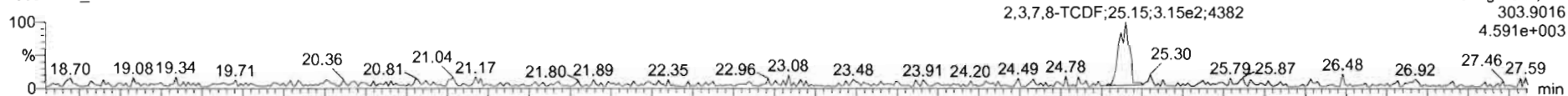
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

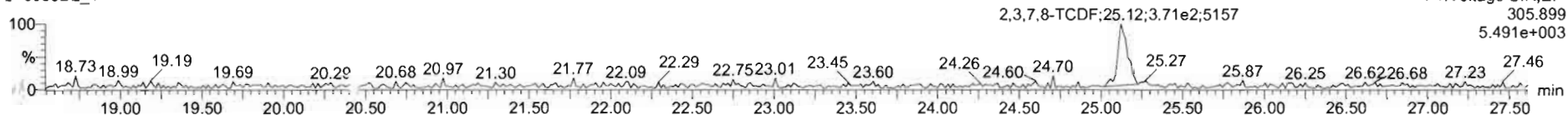
2,3,7,8-TCDF

200930D2_1



F1:Voltage SIR,EI+
303.9016
4.591e+003

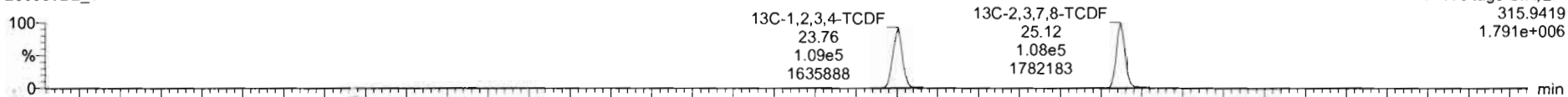
200930D2_1



F1:Voltage SIR,EI+
305.899
5.491e+003

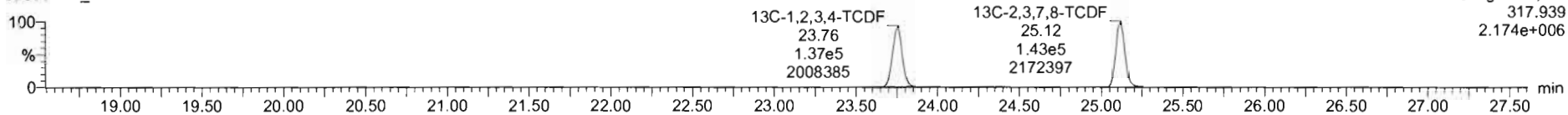
13C-2,3,7,8-TCDF

200930D2_1



F1:Voltage SIR,EI+
315.9419
1.791e+006

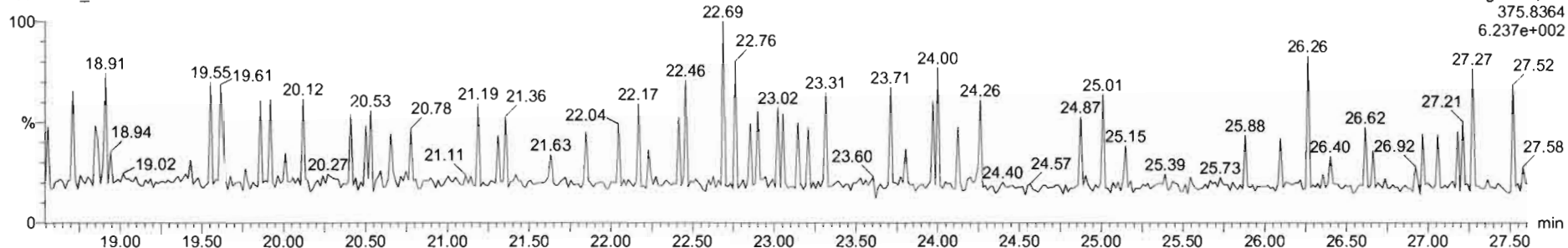
200930D2_1



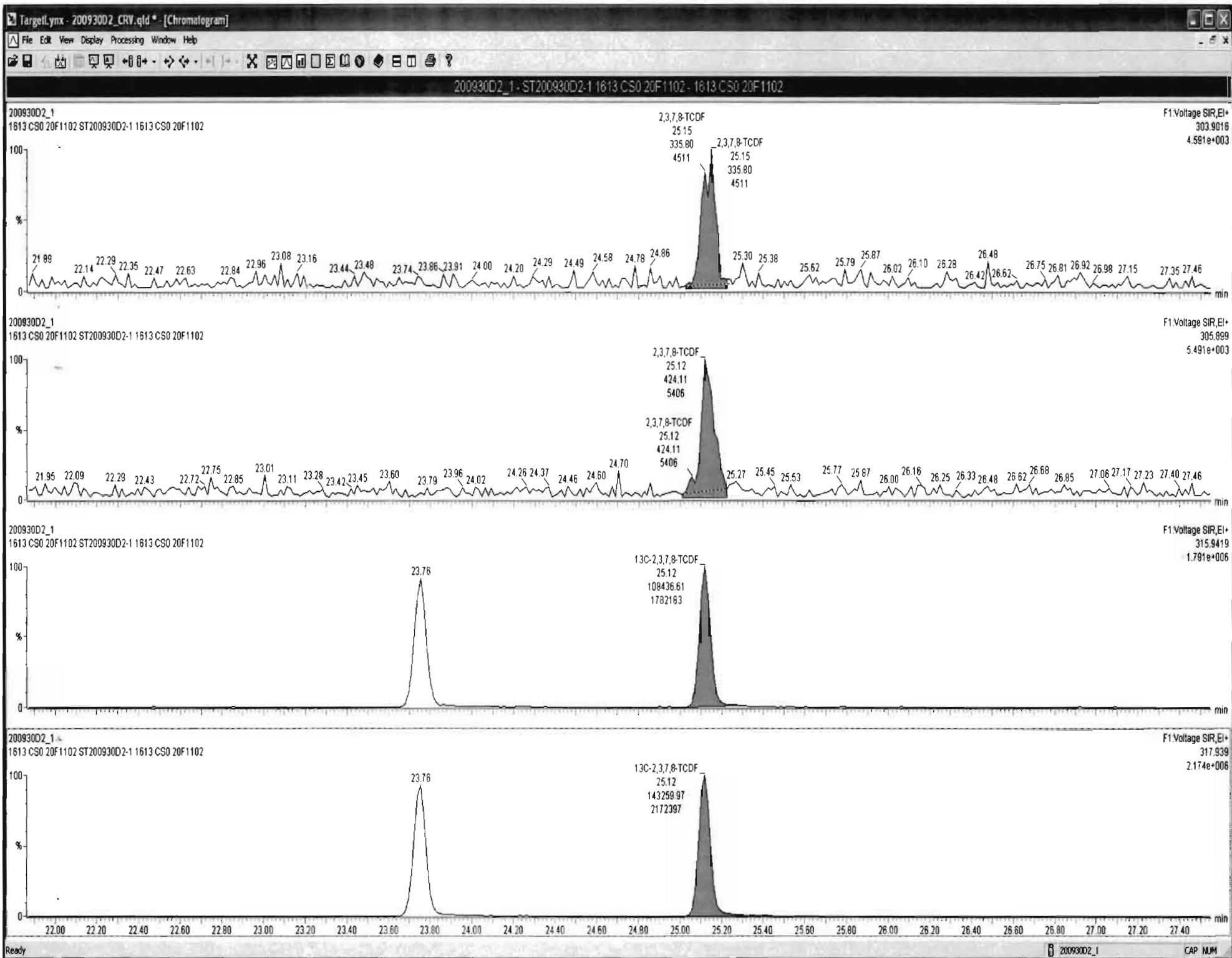
F1:Voltage SIR,EI+
317.939
2.174e+006

DPE1

200930D2_1



F1:Voltage SIR,EI+
375.8364
6.237e+002



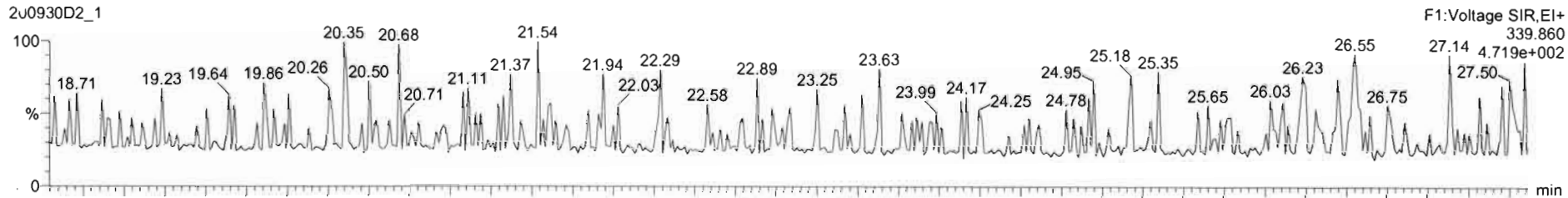
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

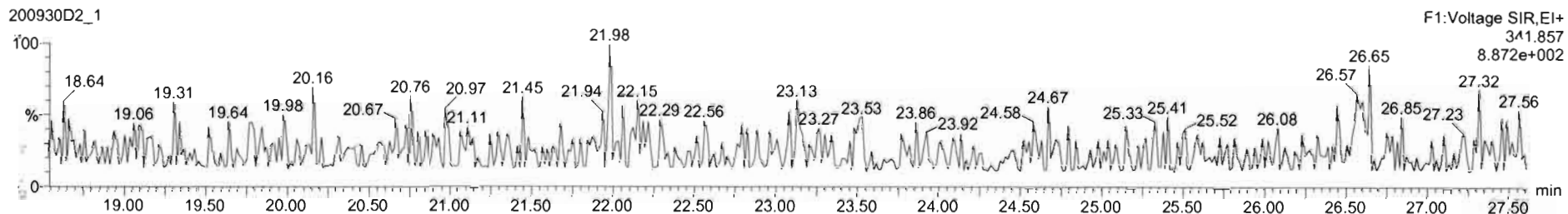
Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

1st Func. Penta-Furans

200930D2_1

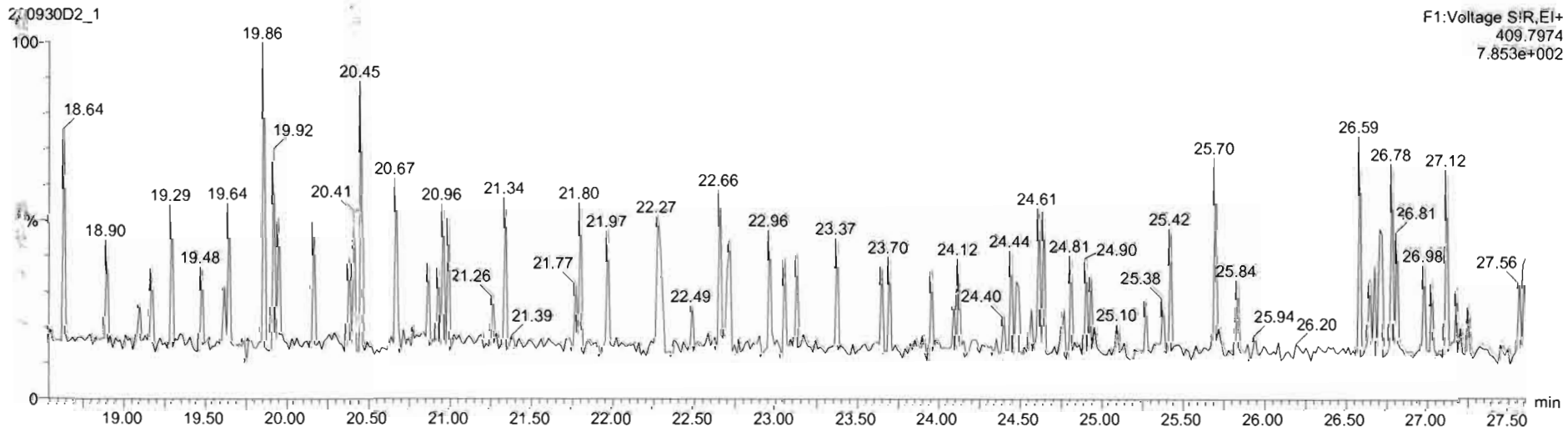


200930D2_1



DPE6

200930D2_1

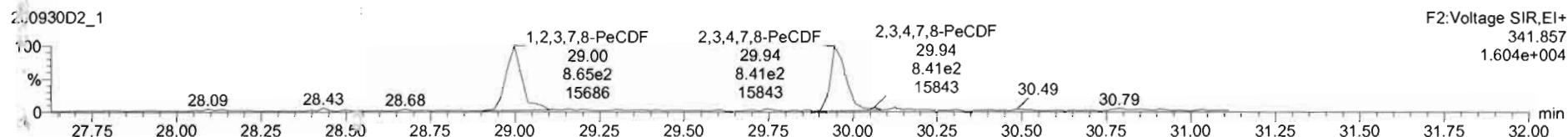
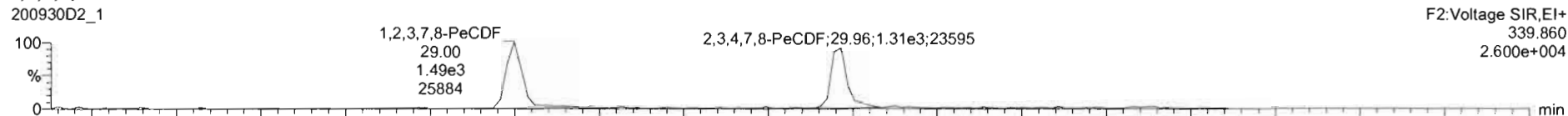


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

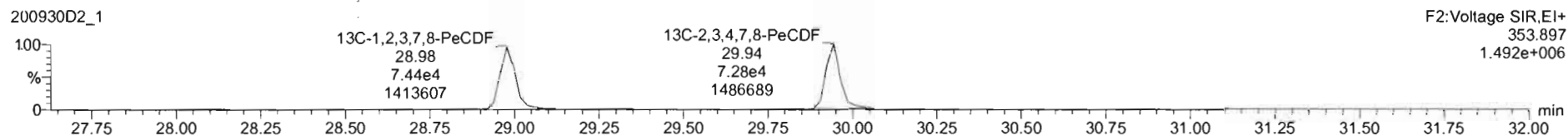
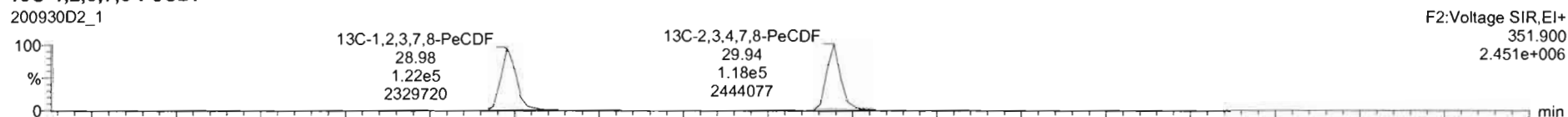
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

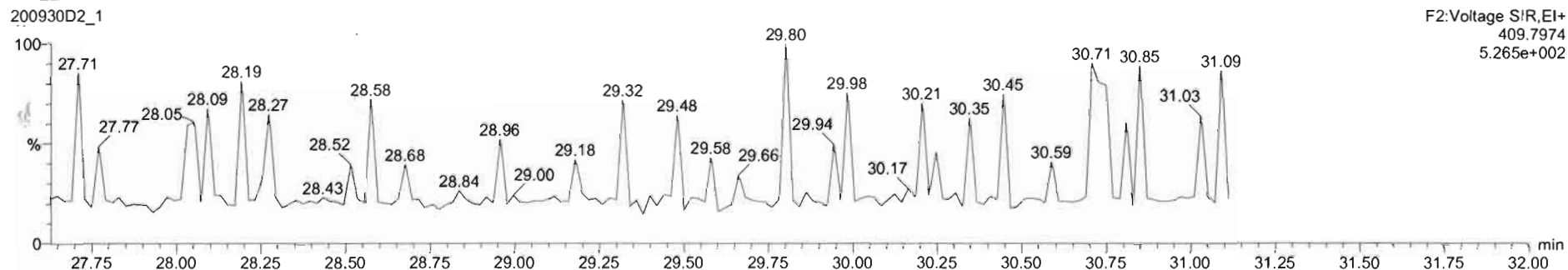
1,2,3,7,8-PeCDF



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

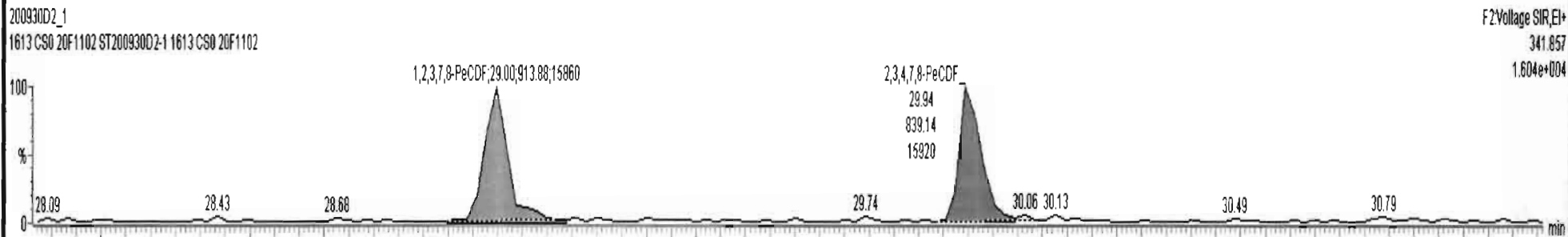


DPE2





200930D2_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

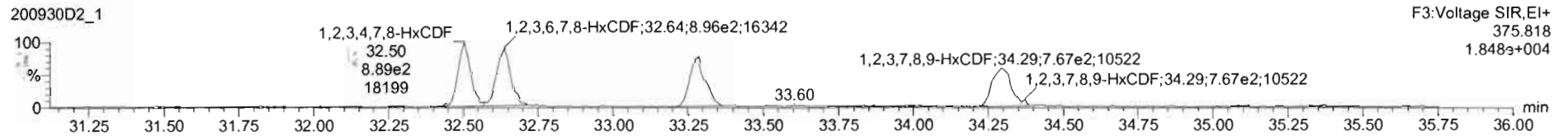
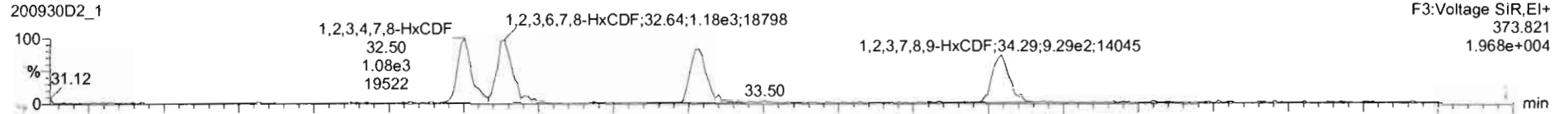


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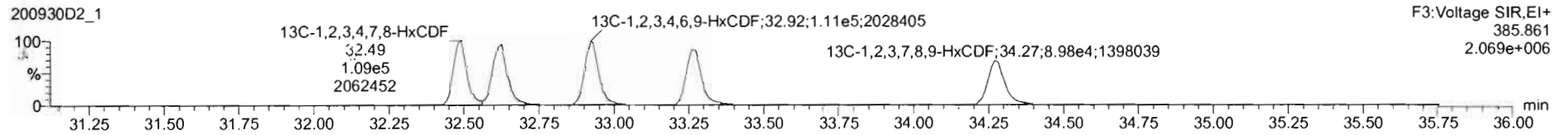
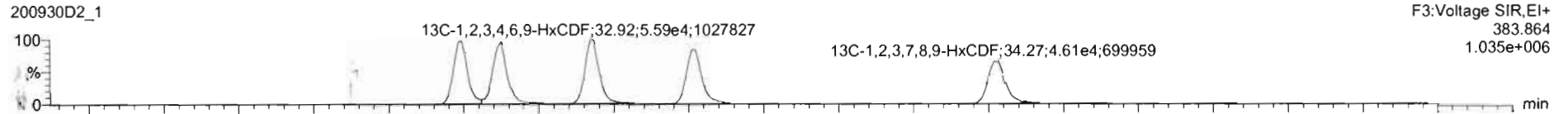
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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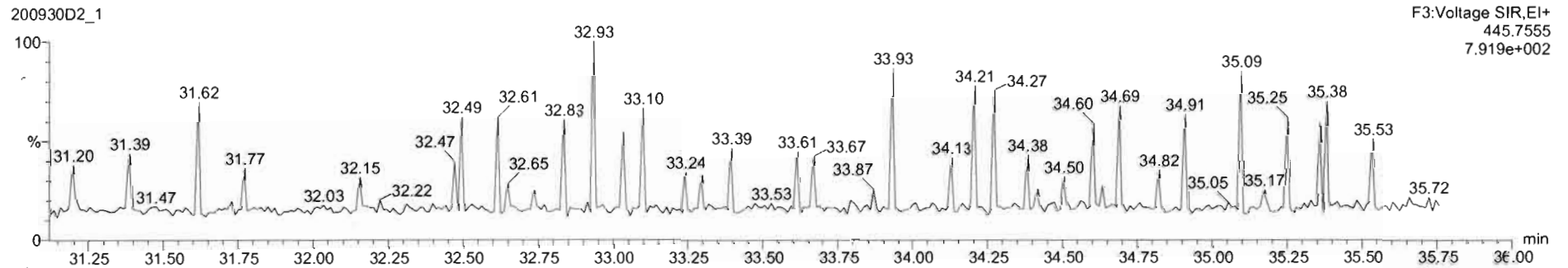
1,2,3,4,7,8-HxCDF



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



DPE3





200930D2_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

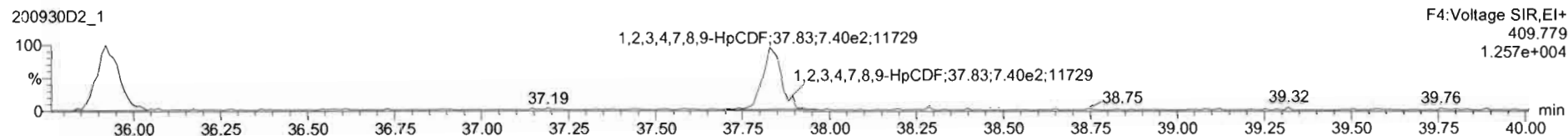
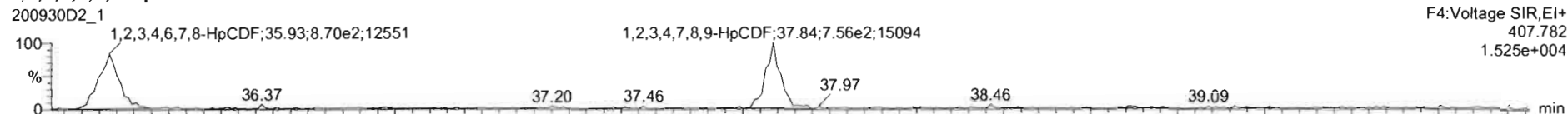


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

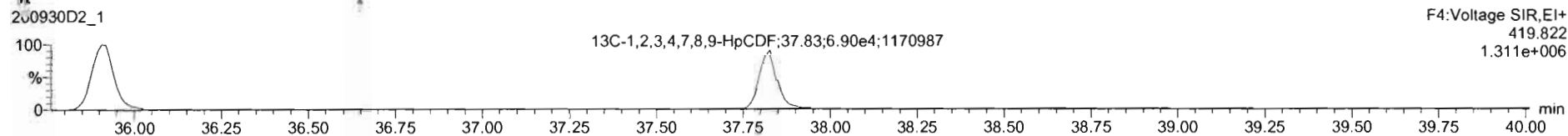
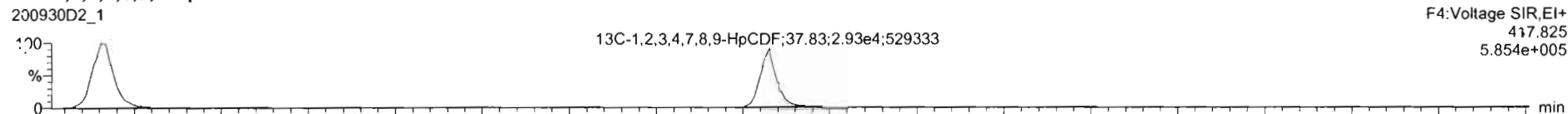
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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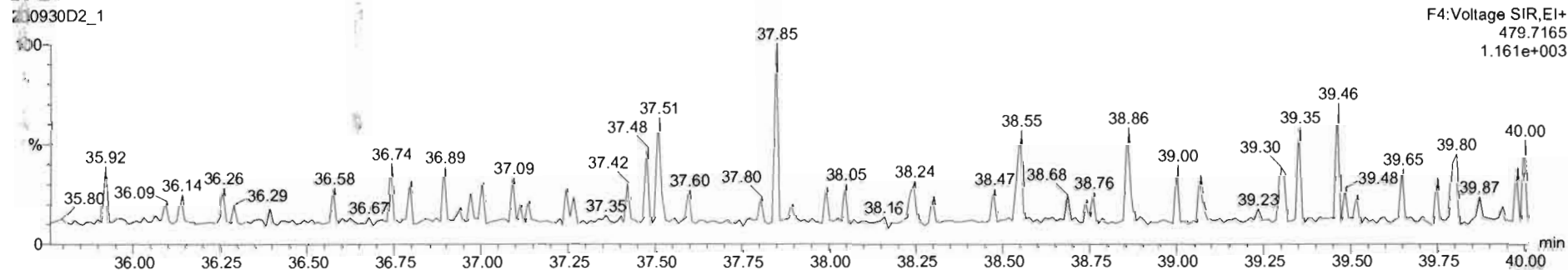
1,2,3,4,6,7,8-HpCDF



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

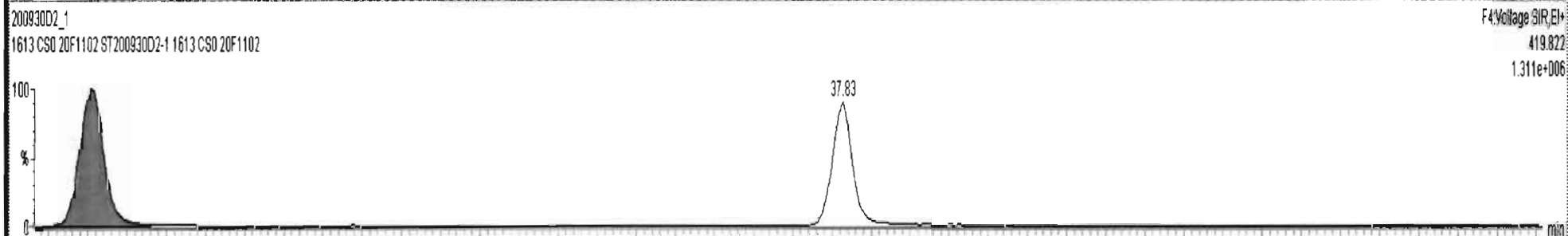
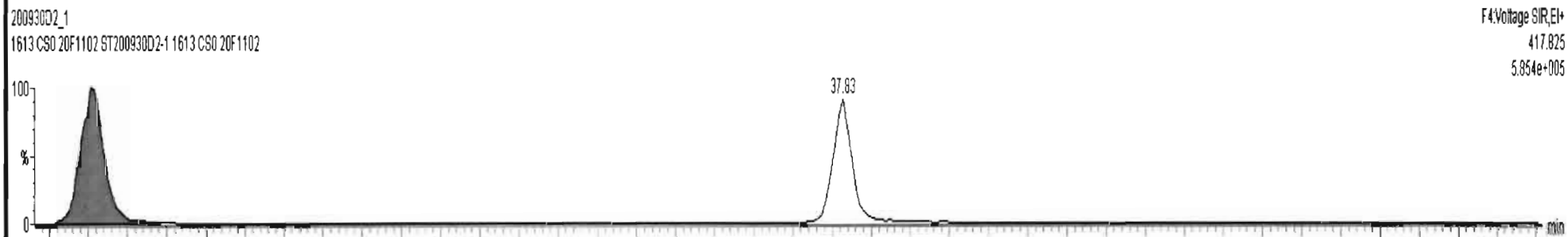
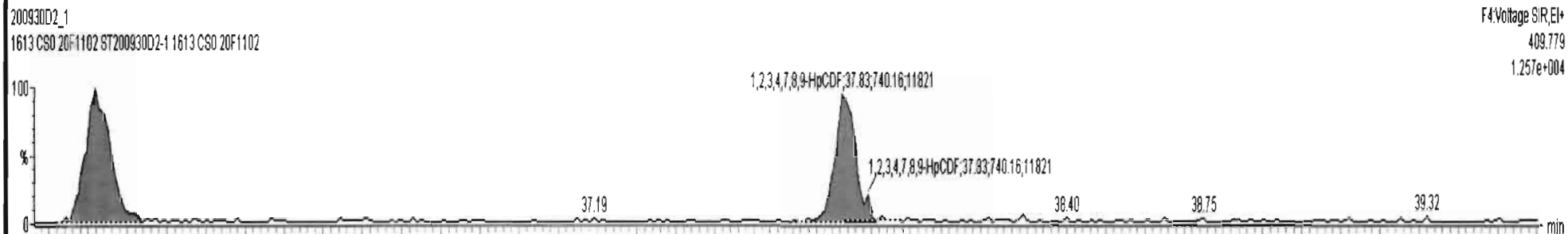
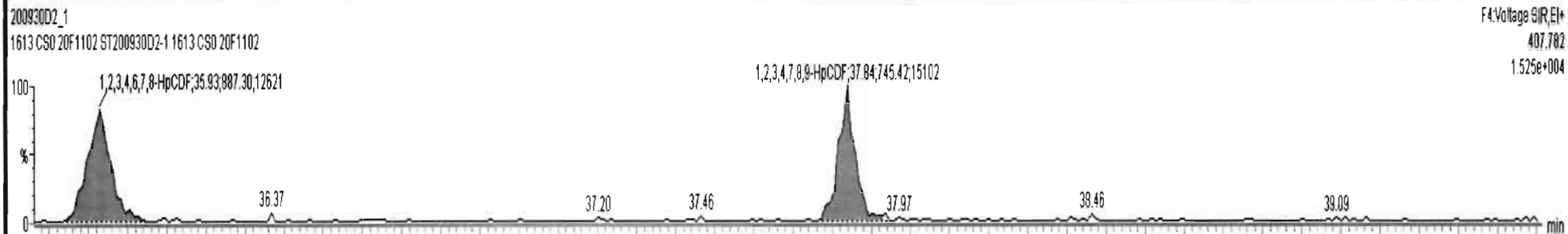


DPE4





200930D2_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

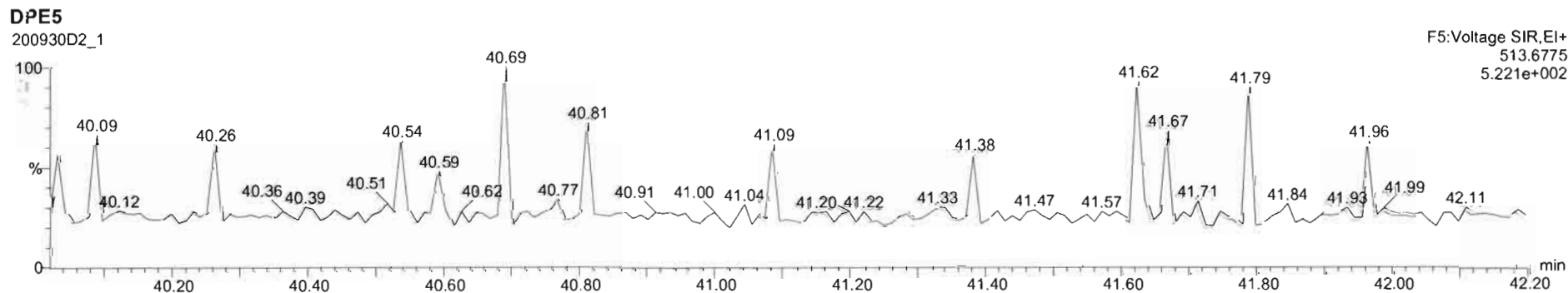
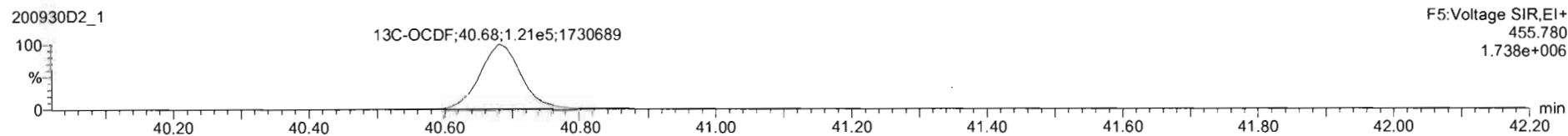
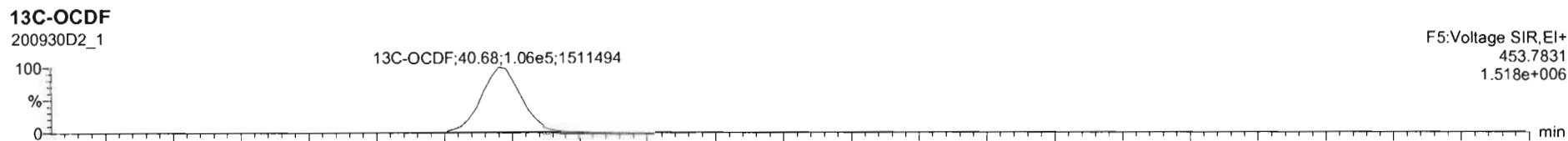
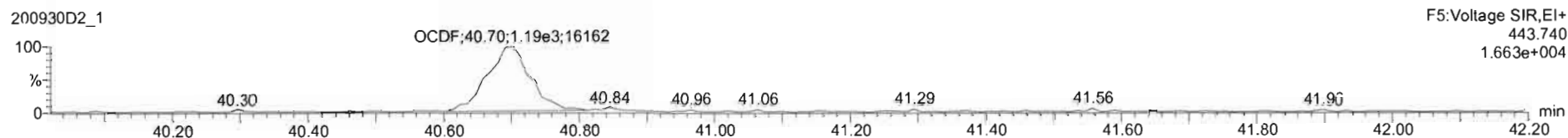
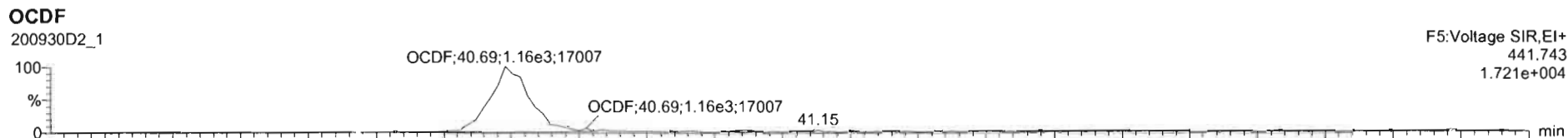


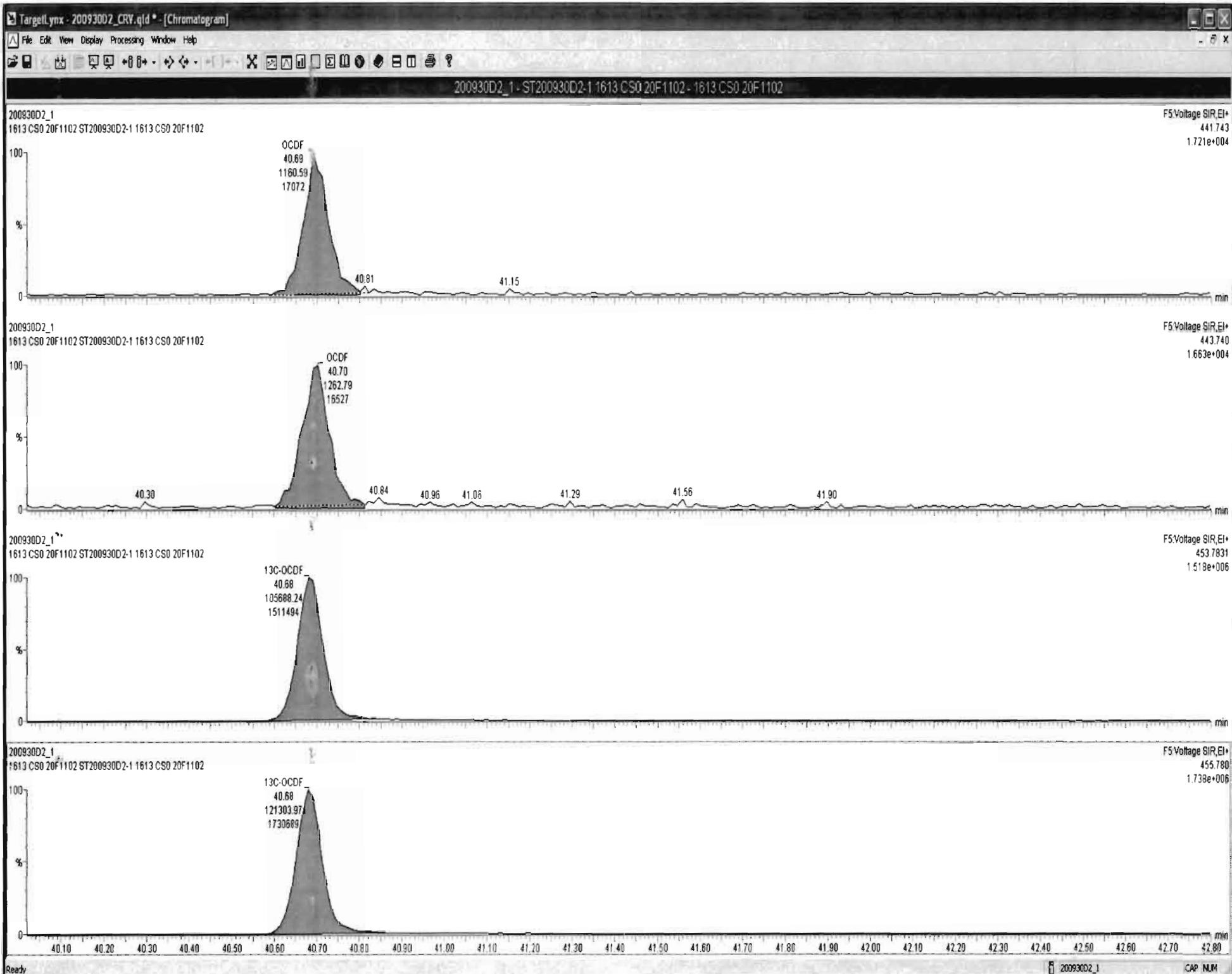
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time

Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

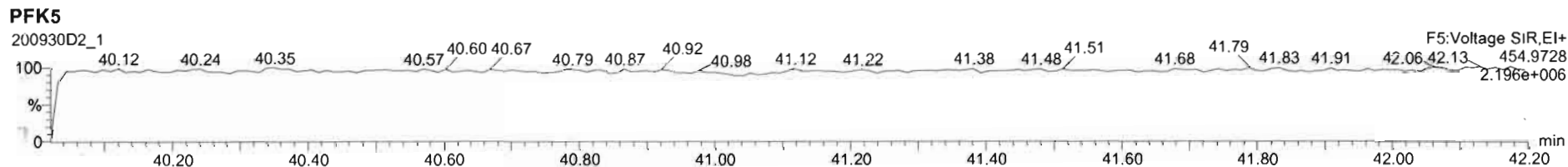
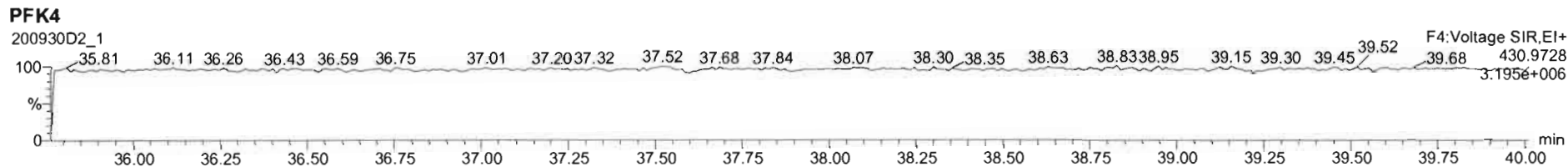
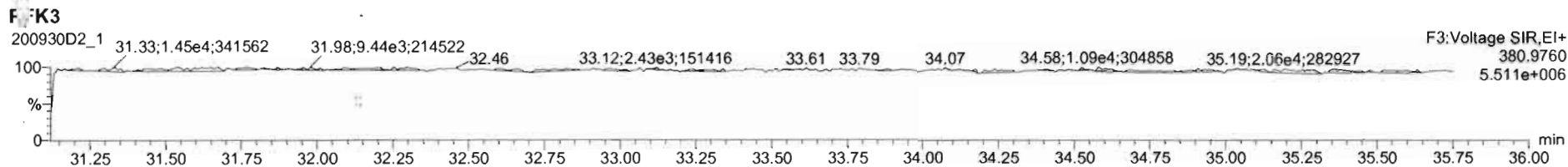
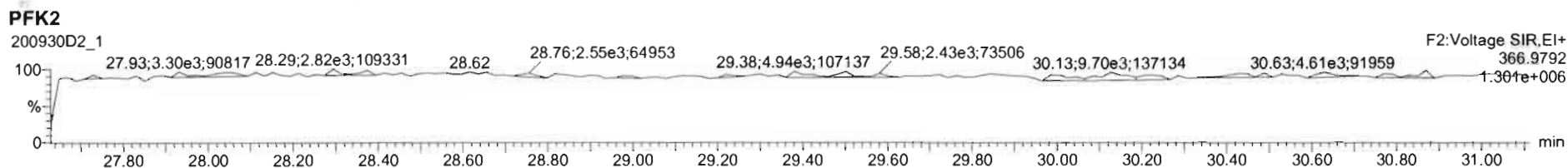
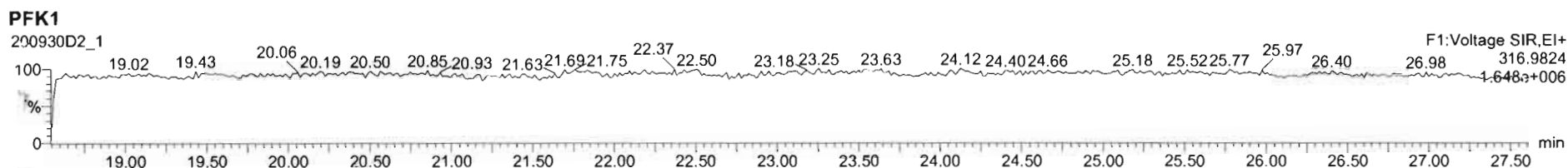




Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102



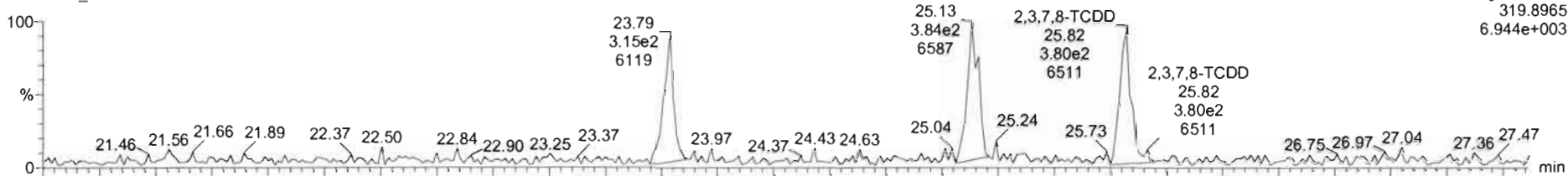
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

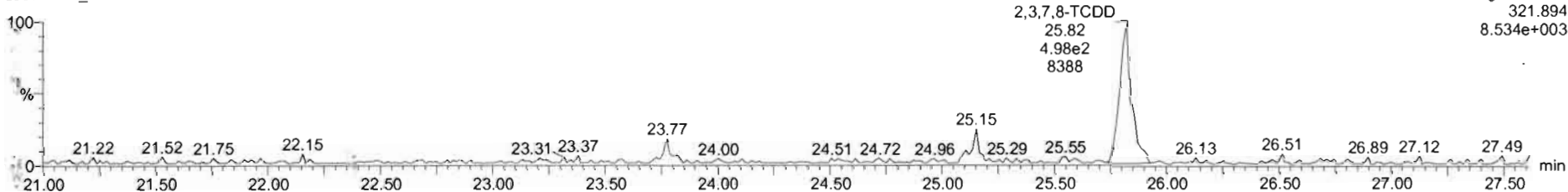
Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

2,3,7,8-TCDD

200930D2_2

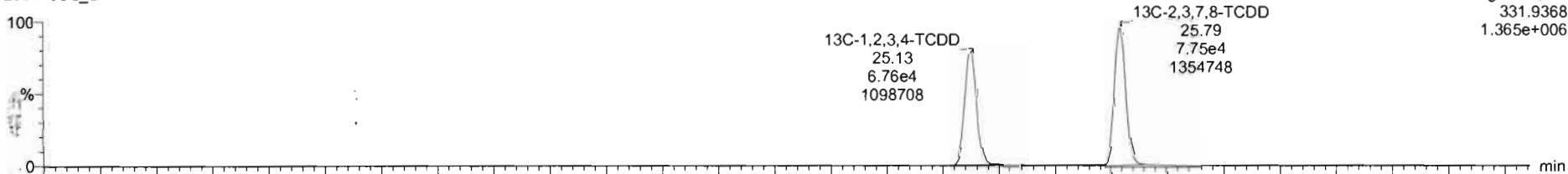


200930D2_2

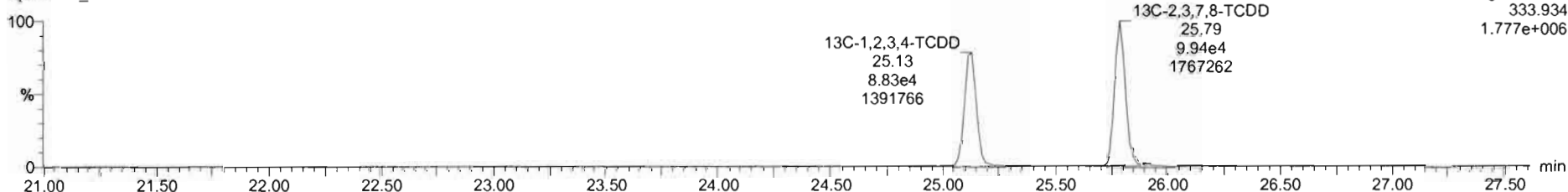


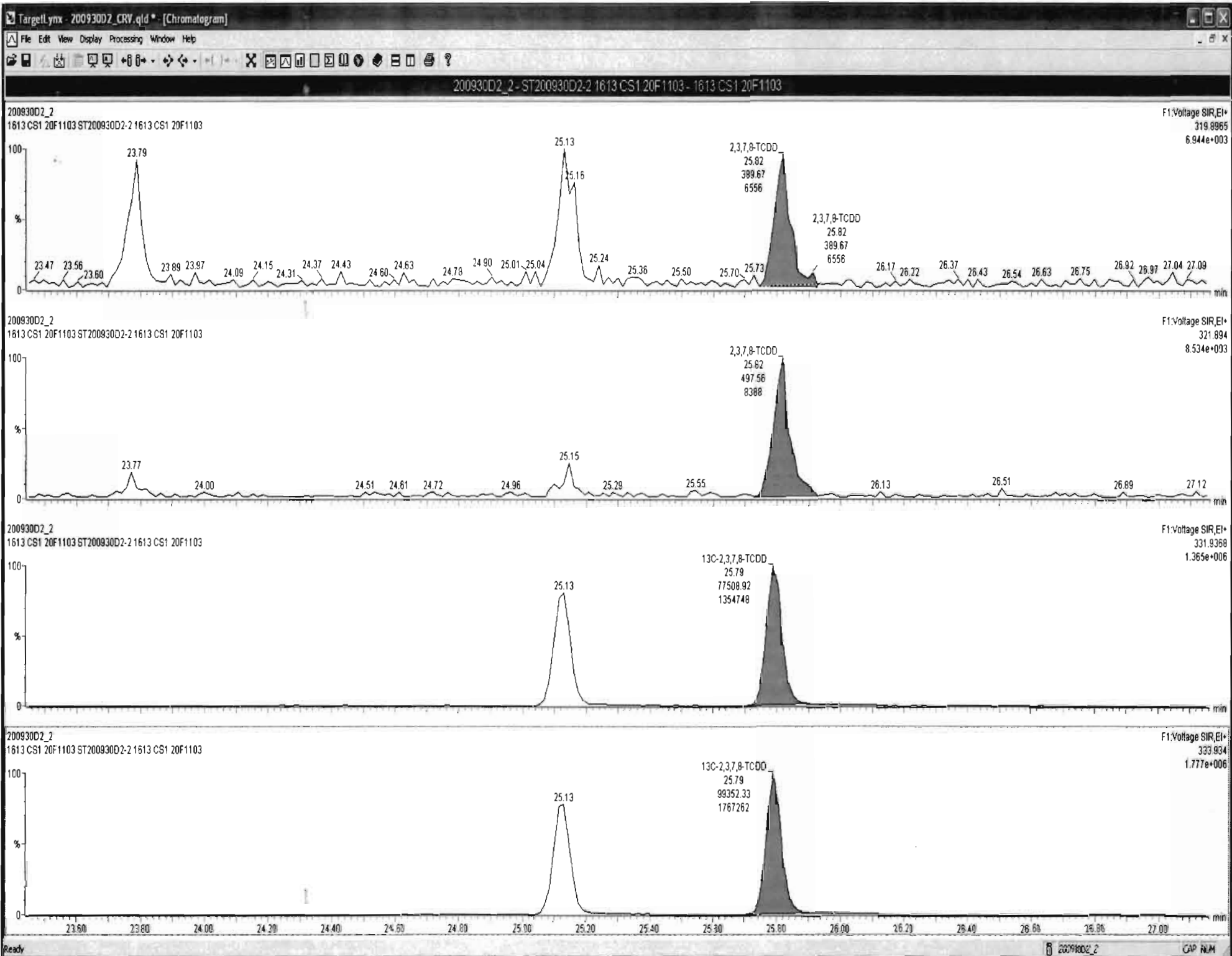
13C-2,3,7,8-TCDD

200930D2_2



200930D2_2





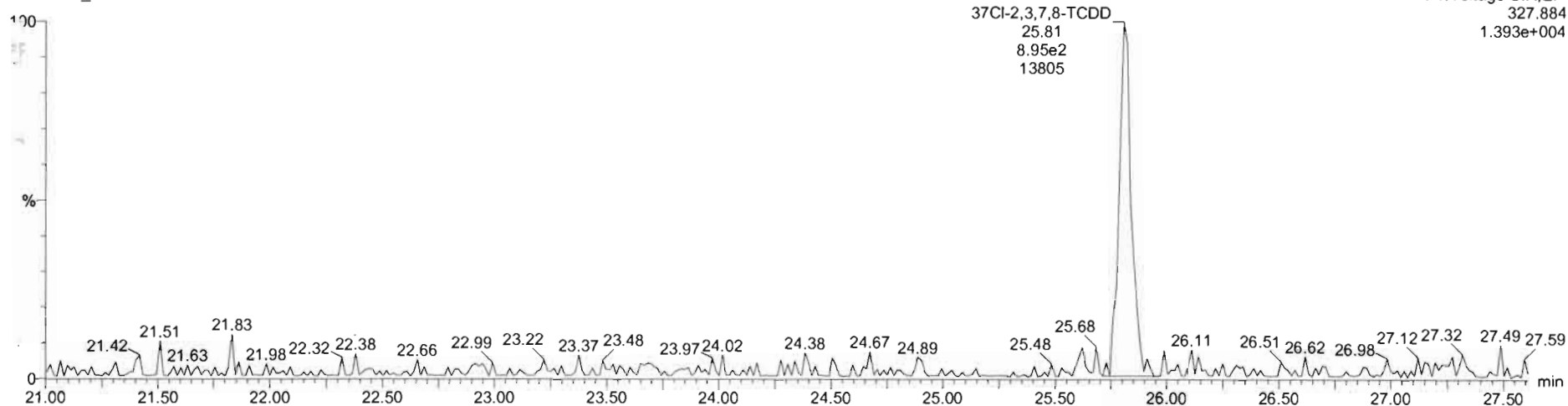
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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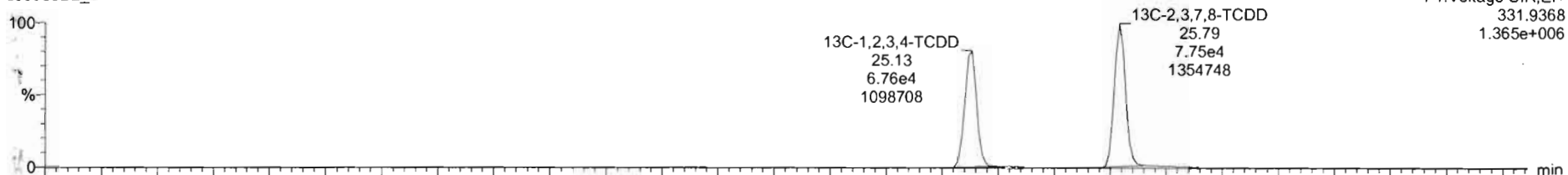
37Cl-2,3,7,8-TCDD

200930D2_2

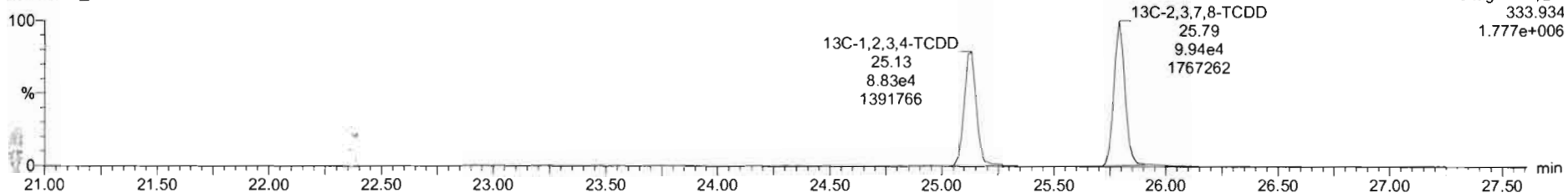


13C-1,2,3,4-TCDD

200930D2_2



200930D2_2



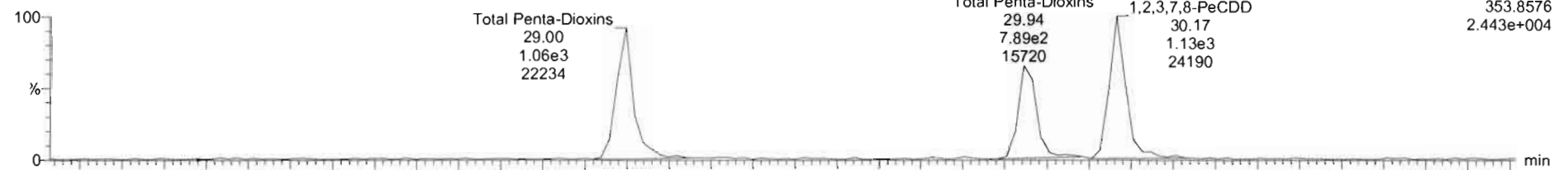
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

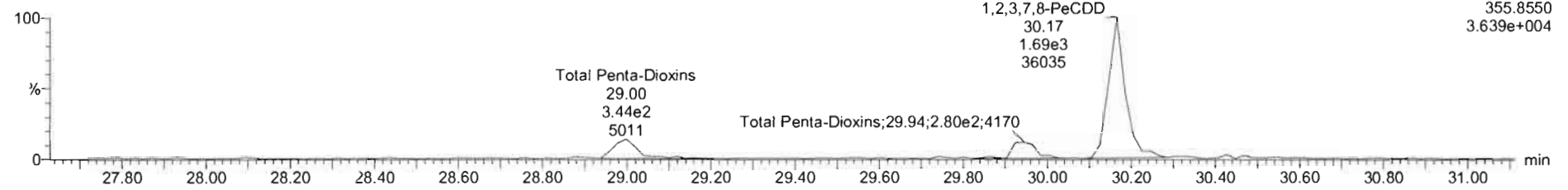
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1,2,3,7,8-PeCDD

200930D2_2

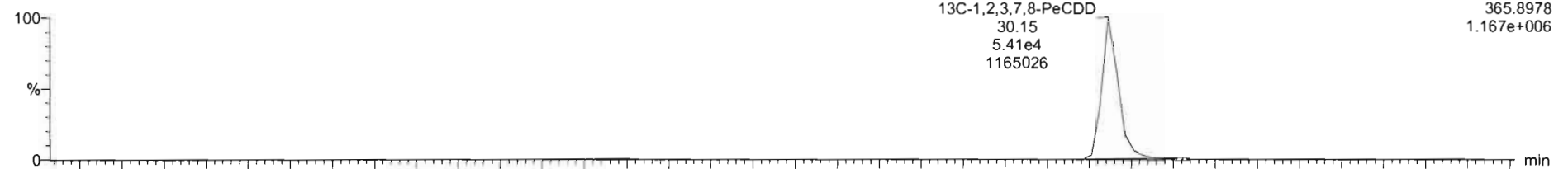


200930D2_2

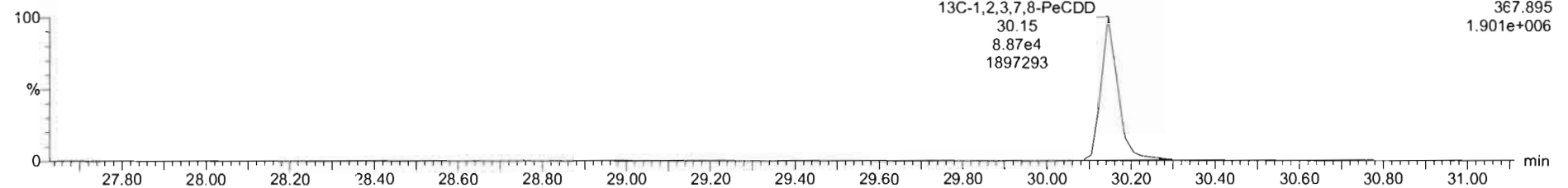


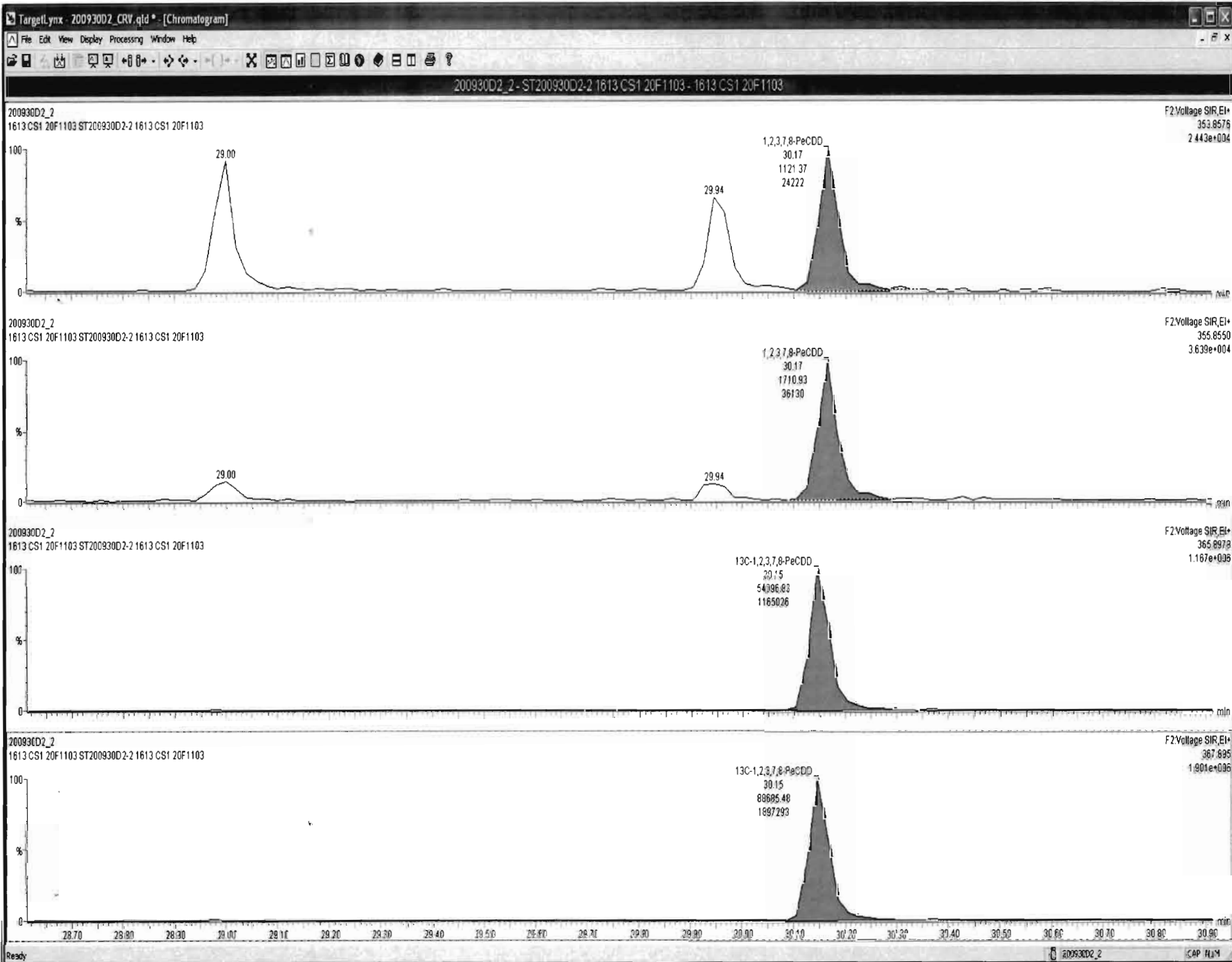
13C-1,2,3,7,8-PeCDD

200930D2_2



200930D2_2





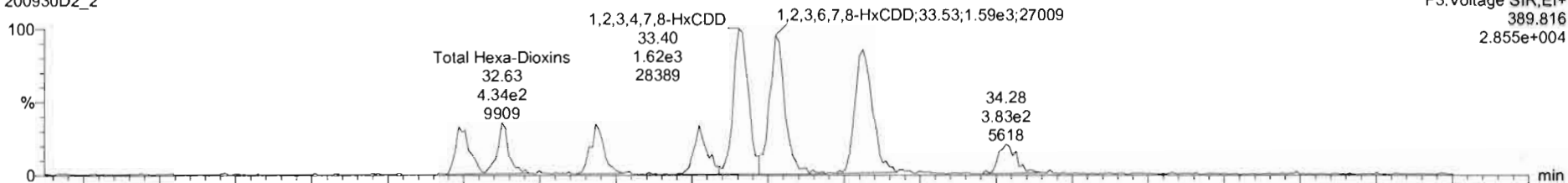
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

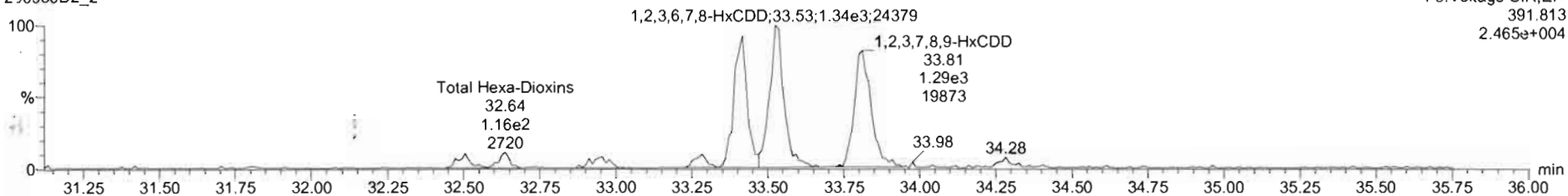
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1,2,3,4,7,8-HxCDD

200930D2_2

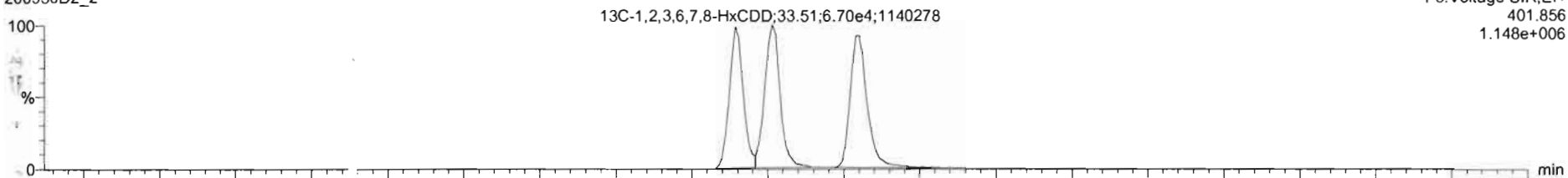


200930D2_2

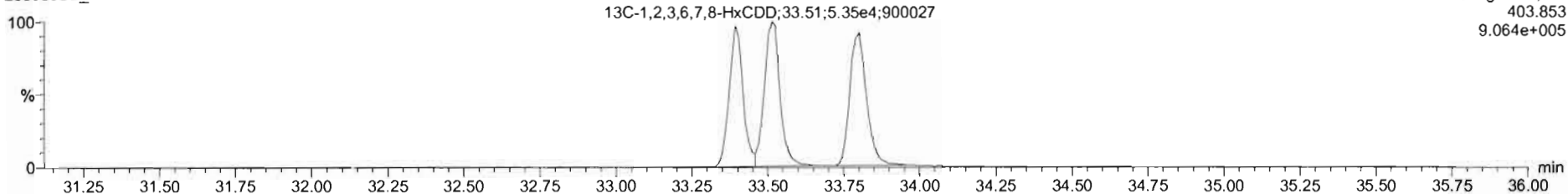


13C-1,2,3,4,7,8-HxCDD

200930D2_2



200930D2_2

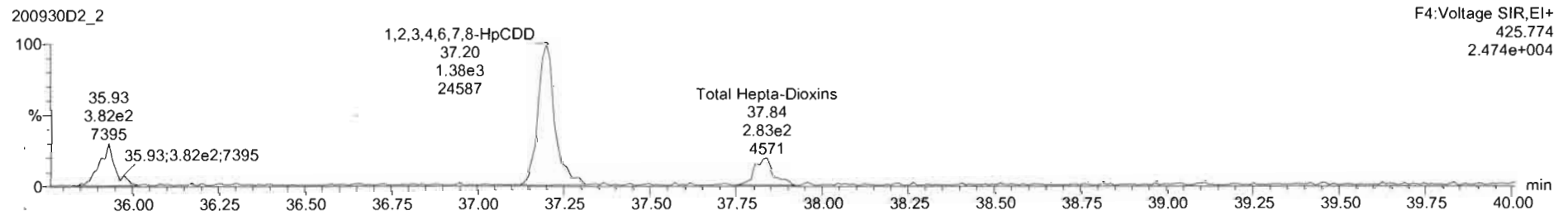
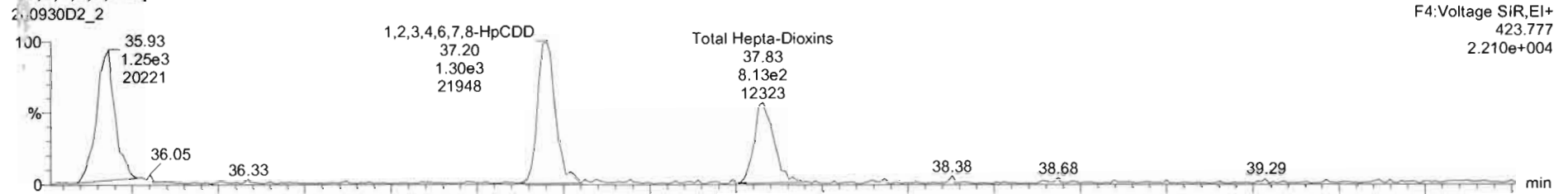


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

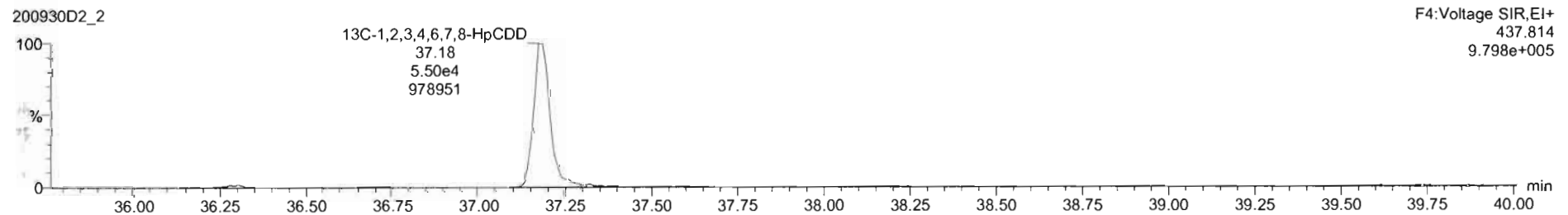
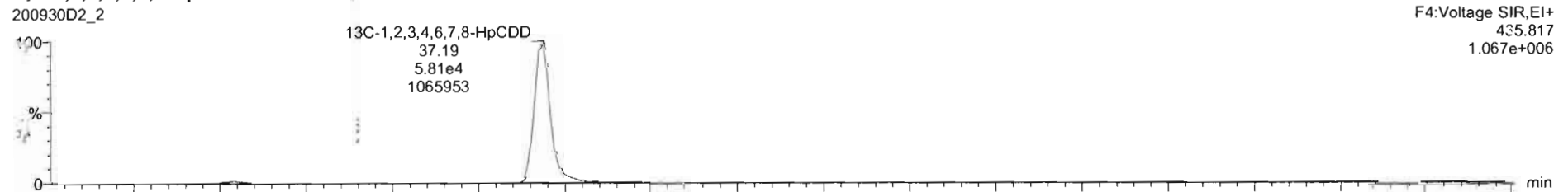
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
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Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

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



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



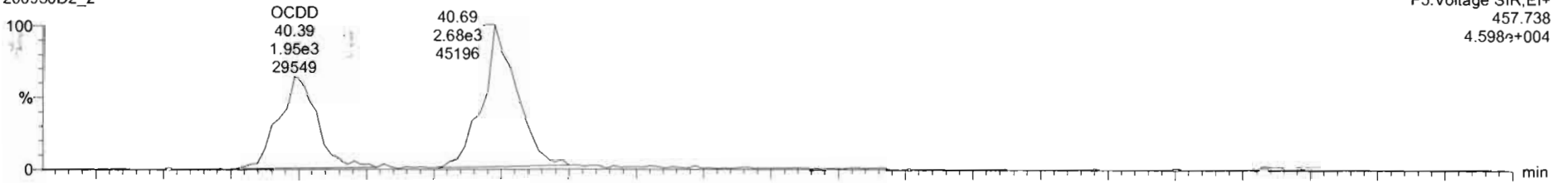
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
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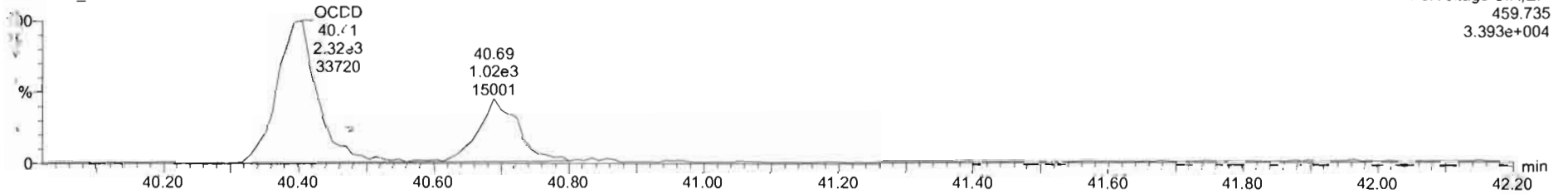
OCDD

200930D2_2



F5:Voltage SIR,EI+
457.738
4.598e+004

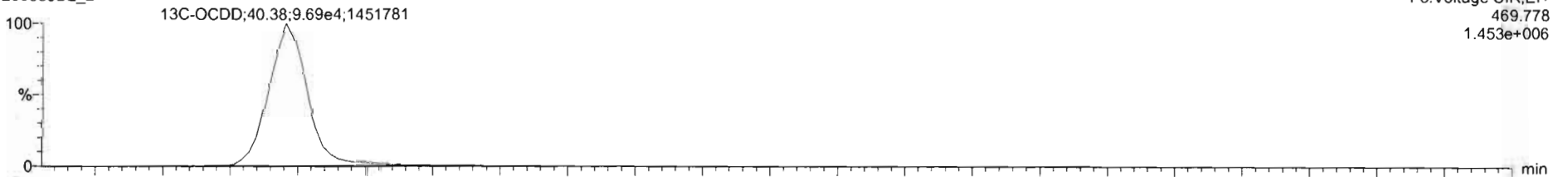
200930D2_2



F5:Voltage SIR,EI+
459.735
3.393e+004

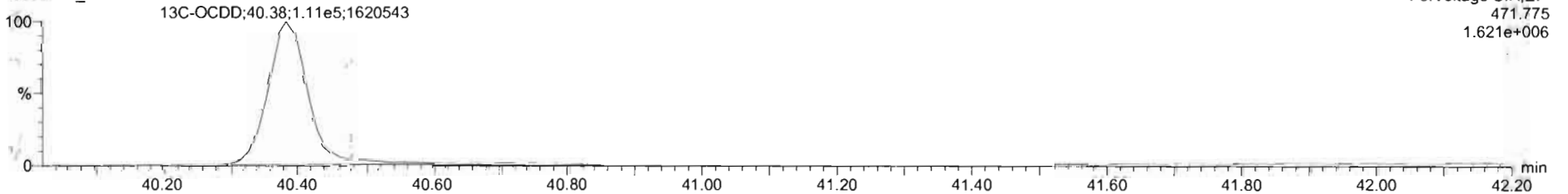
13C-OCDD

200930D2_2



F5:Voltage SIR,EI+
469.778
1.453e+006

200930D2_2



F5:Voltage SIR,EI+
471.775
1.621e+006

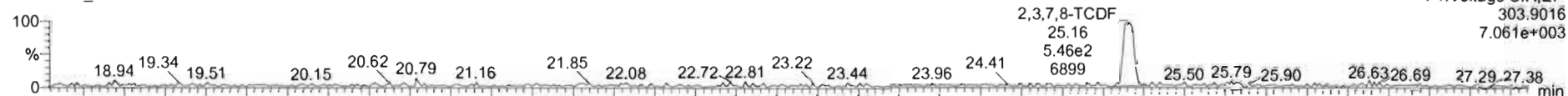
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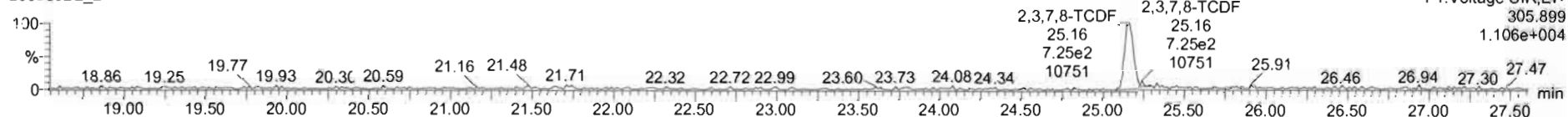
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2,3,7,8-TCDF

200930D2_2

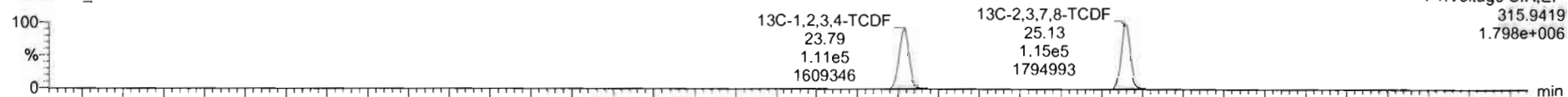


200930D2_2

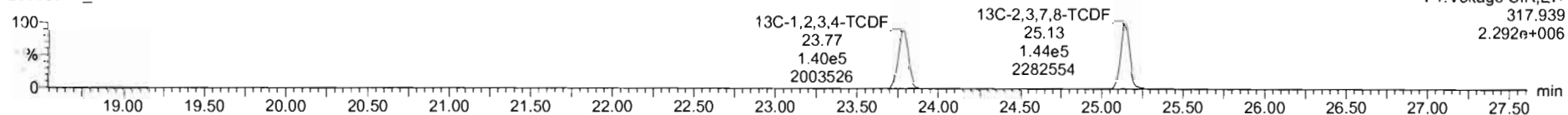


13C-2,3,7,8-TCDF

200930D2_2

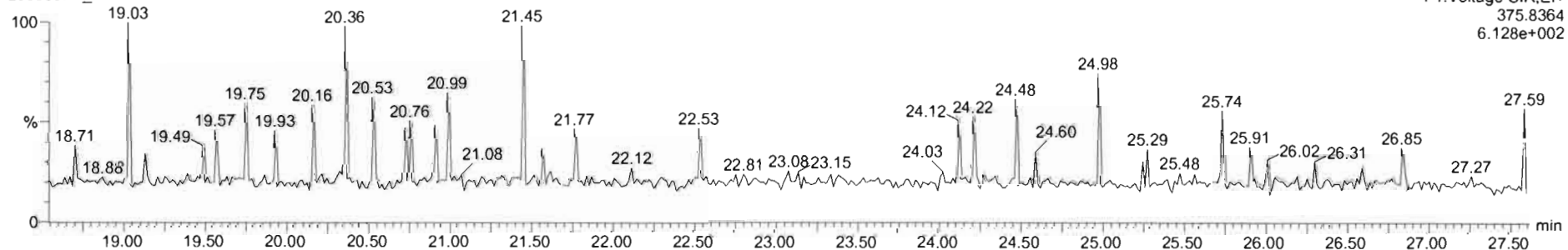


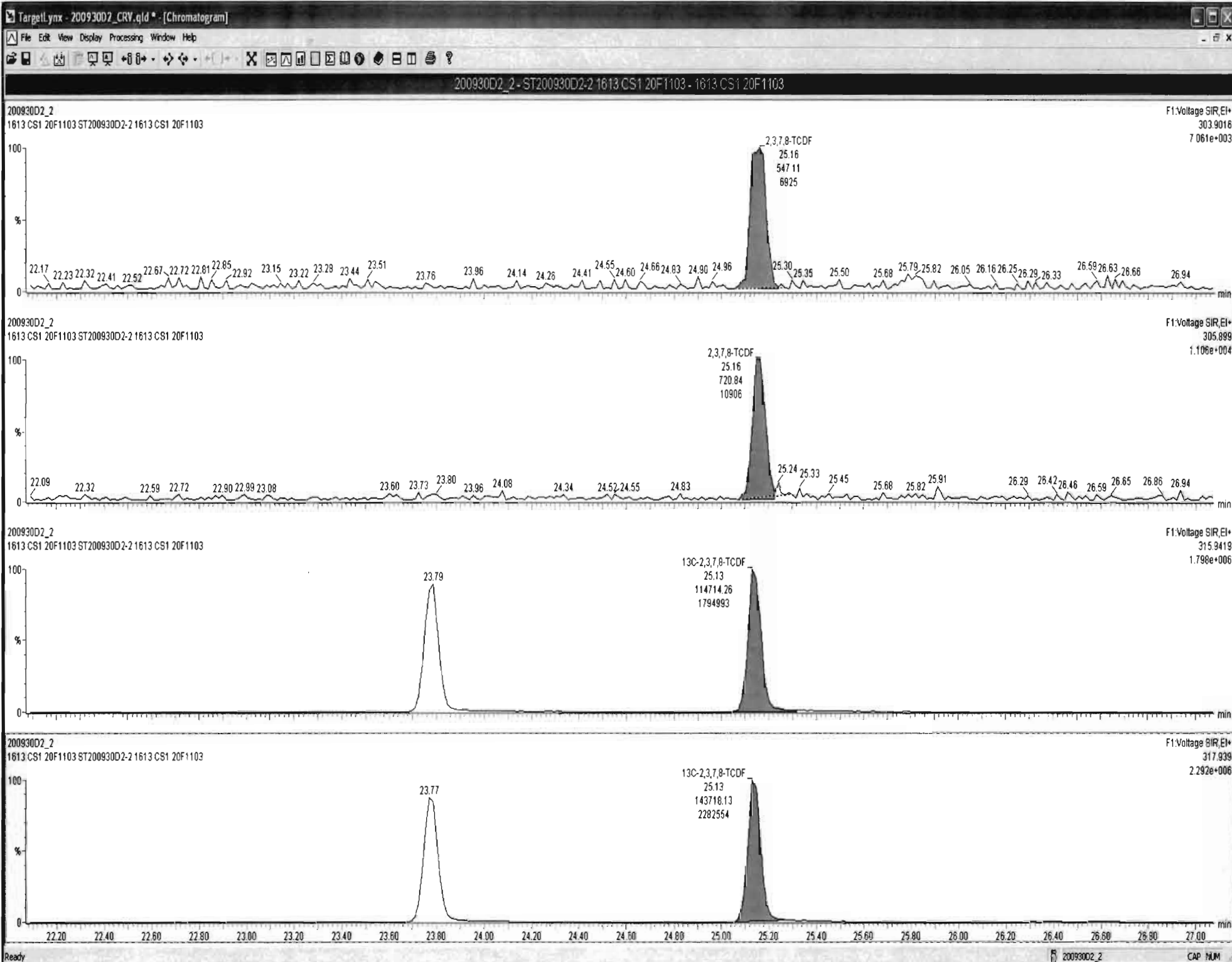
200930D2_2



2,3,7,8-TCDF

200930D2_2





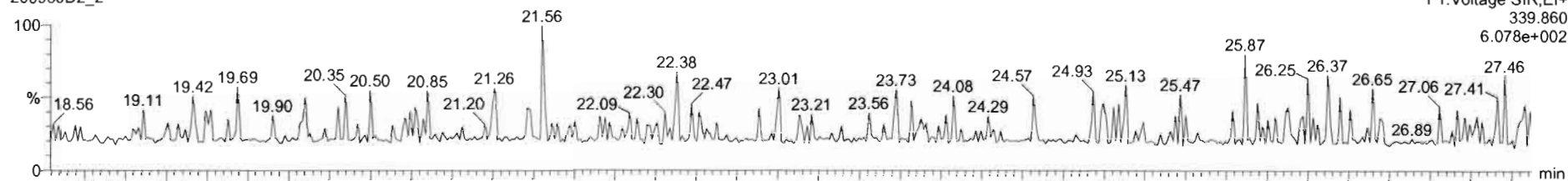
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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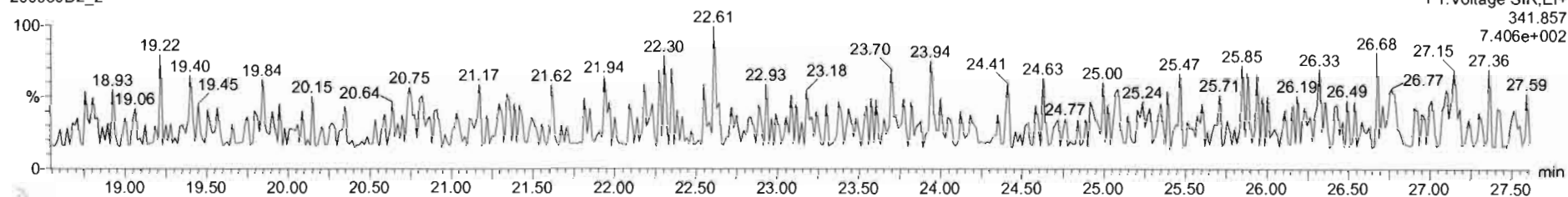
Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

1st Func. Penta-Furans

200930D2_2

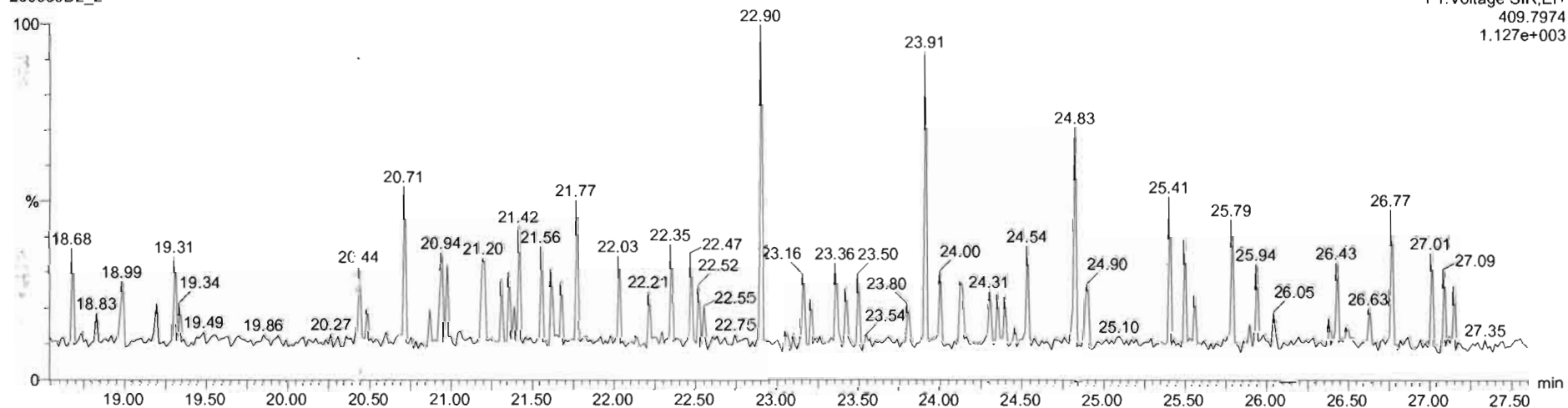


200930D2_2



DPE6

200930D2_2

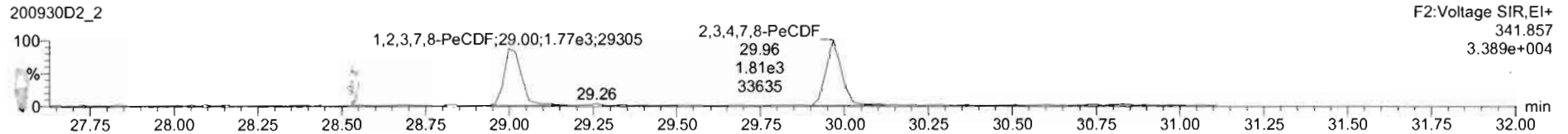
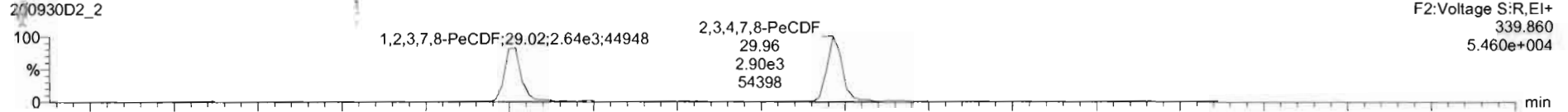


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

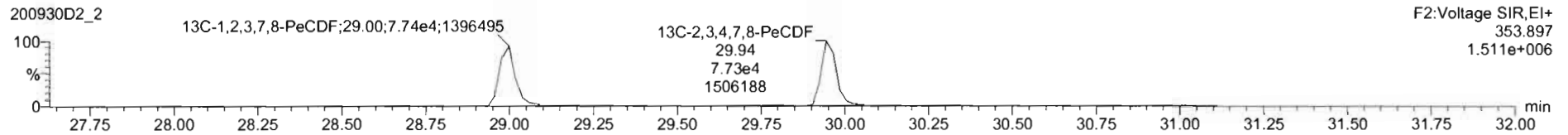
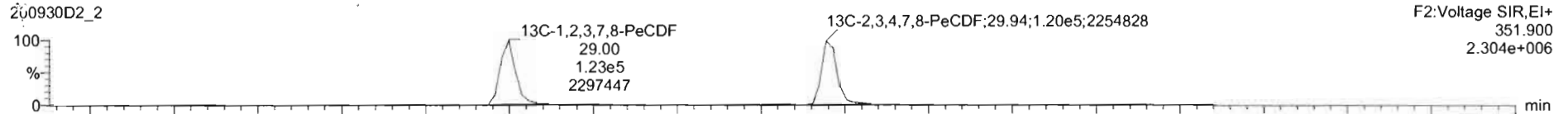
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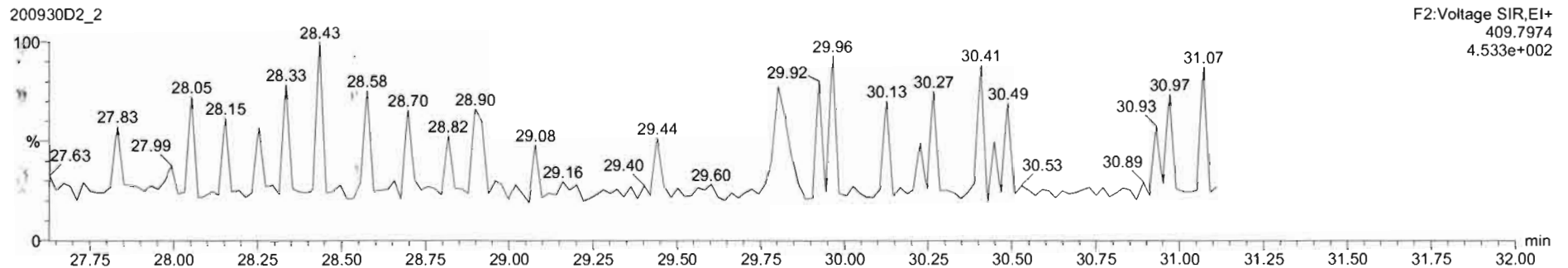
1,2,3,7,8-PeCDF



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



DPE2

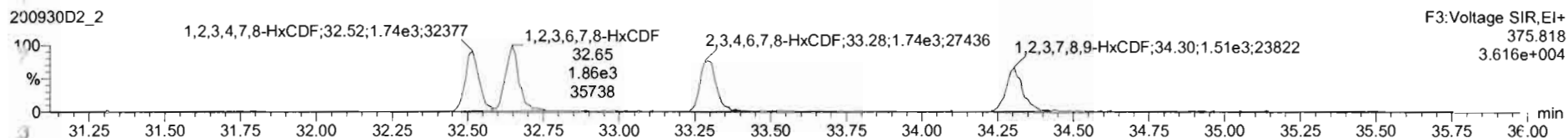
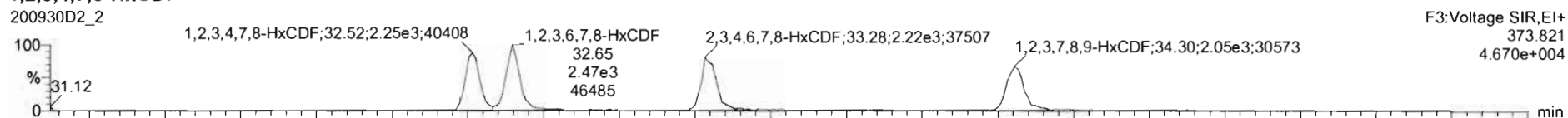


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

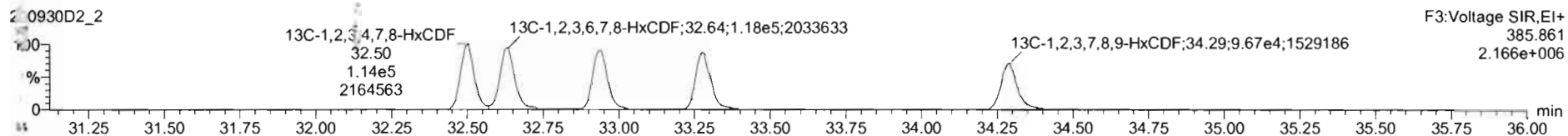
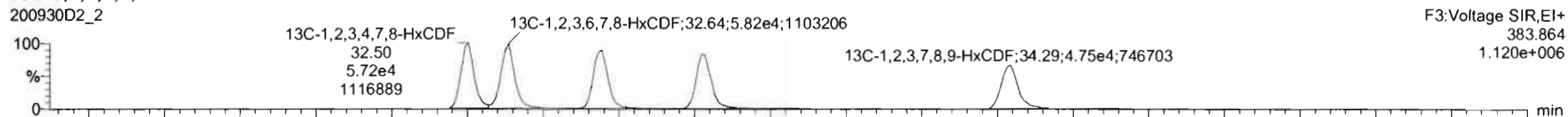
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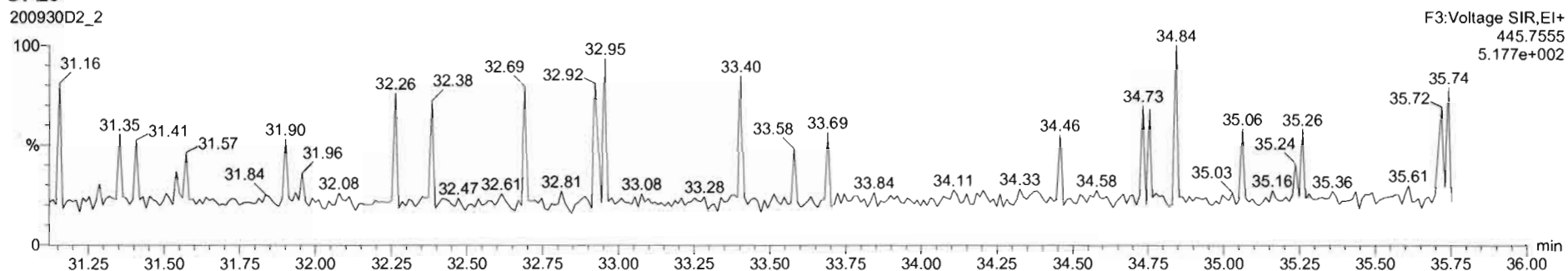
1,2,3,4,7,8-HxCDF



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



DPE3

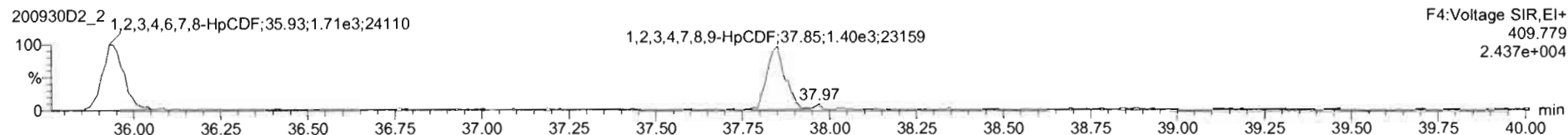
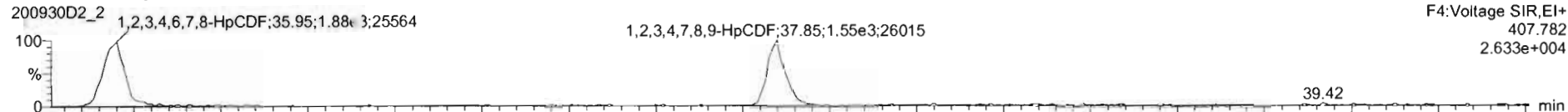


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

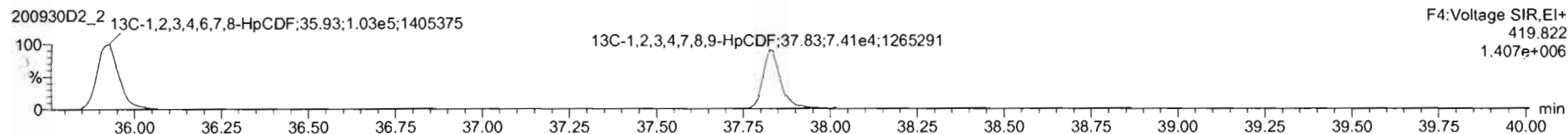
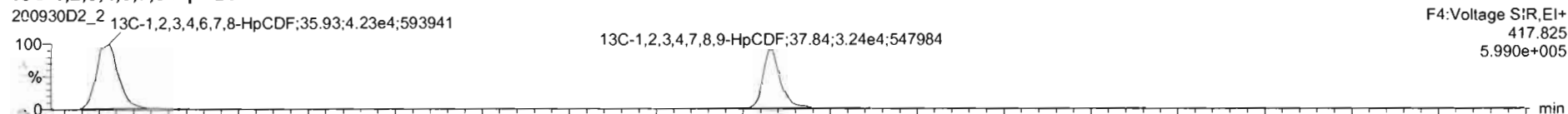
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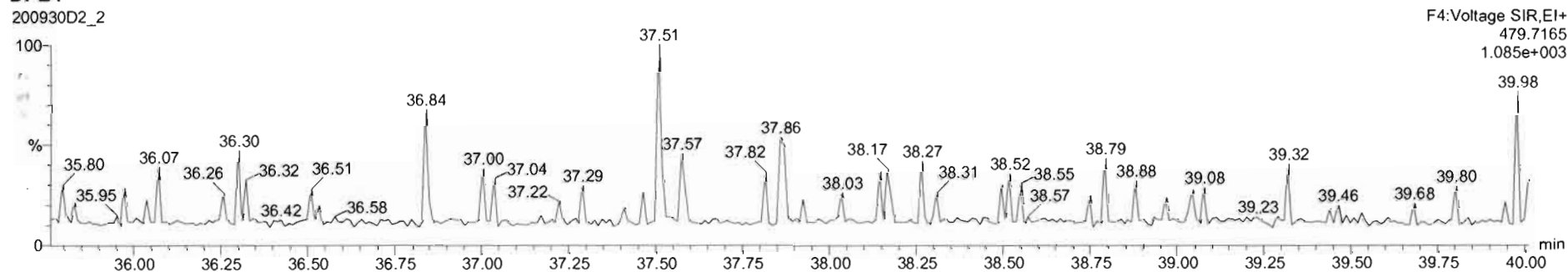
1,2,3,4,6,7,8-HpCDF



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



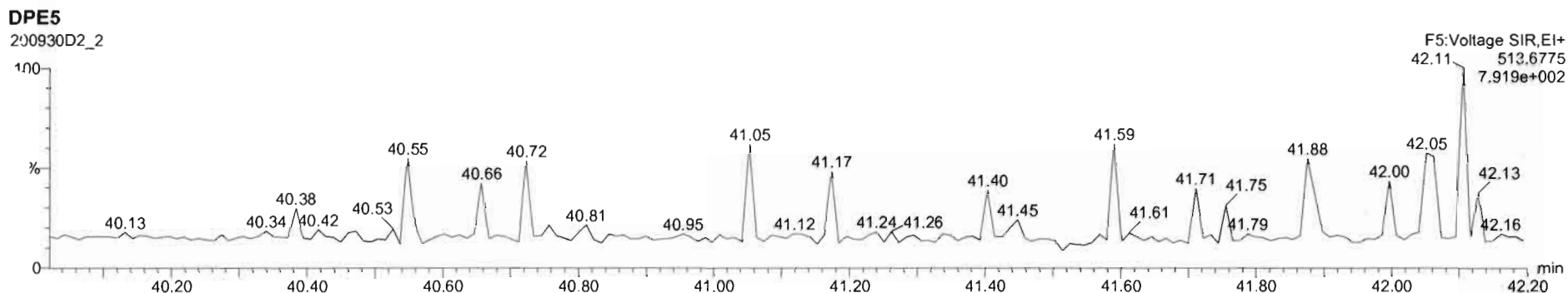
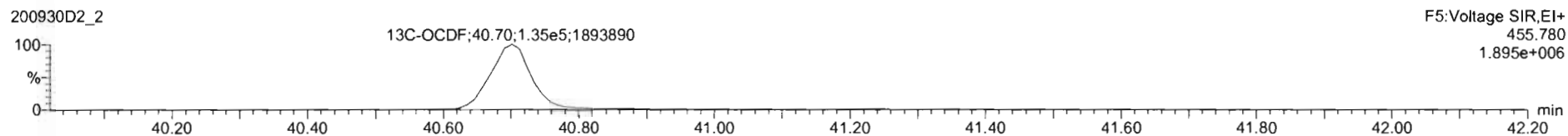
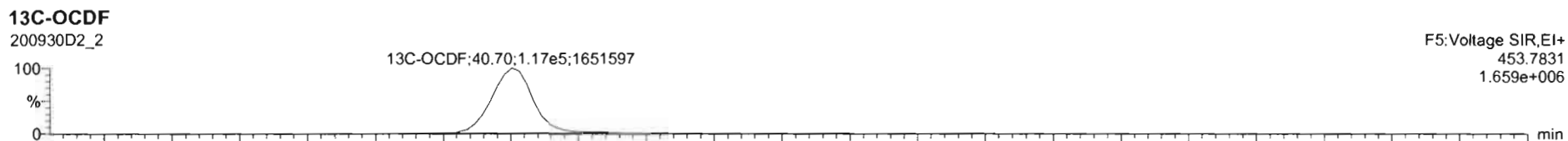
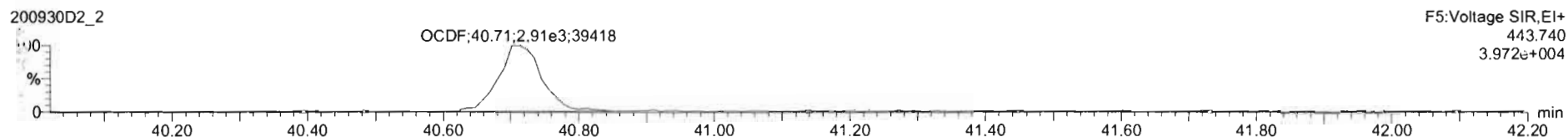
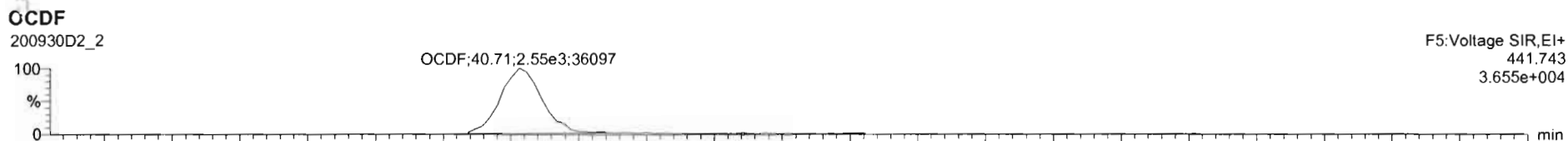
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

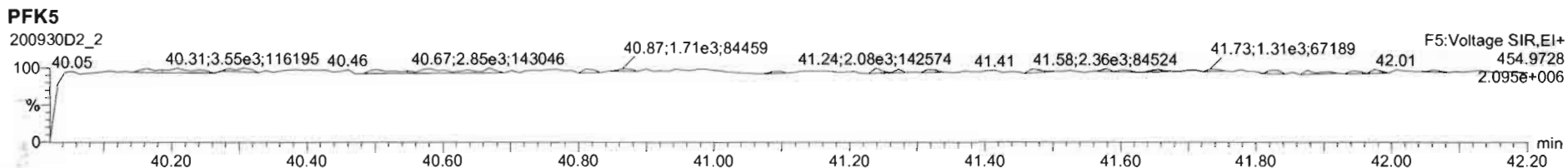
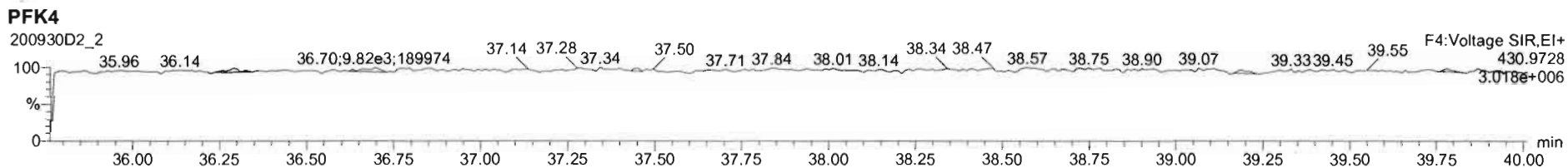
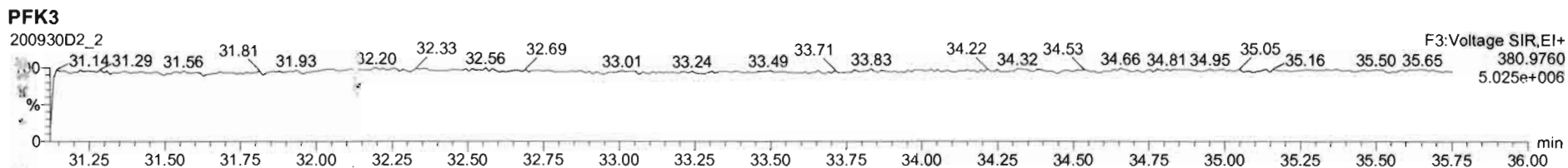
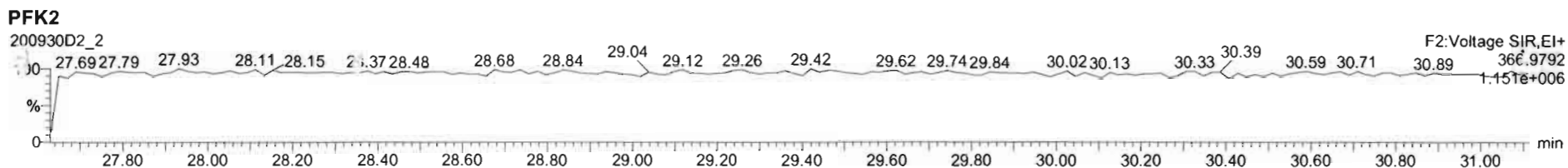
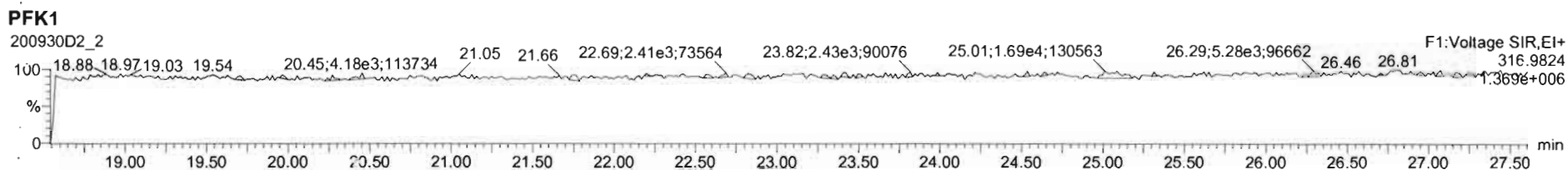
Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
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Name: 200930D2_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103



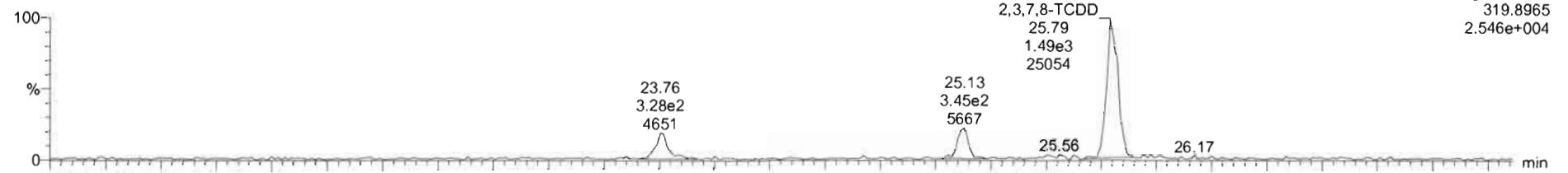
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

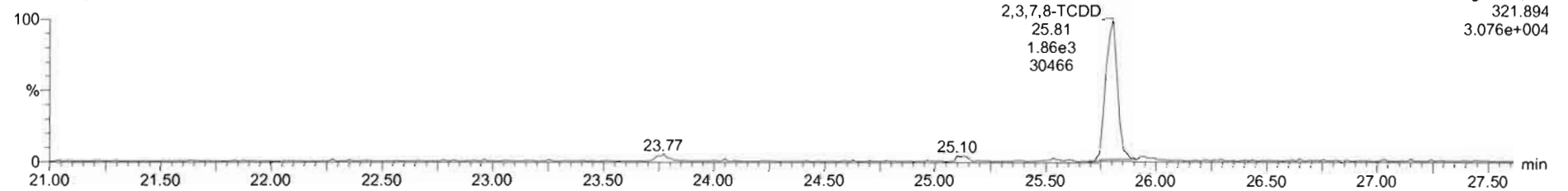
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2,3,7,8-TCDD

200930D2_3

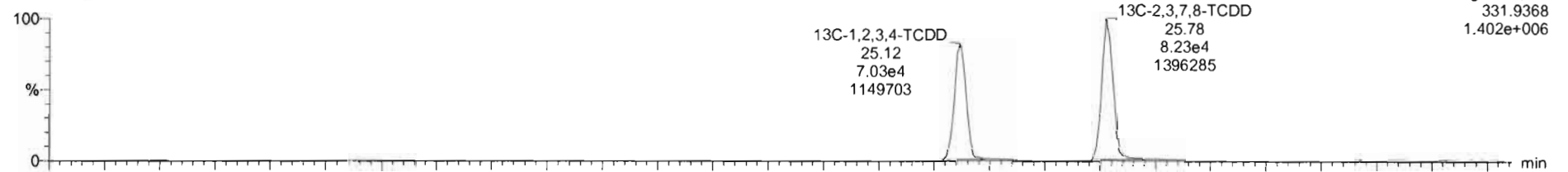


200930D2_3

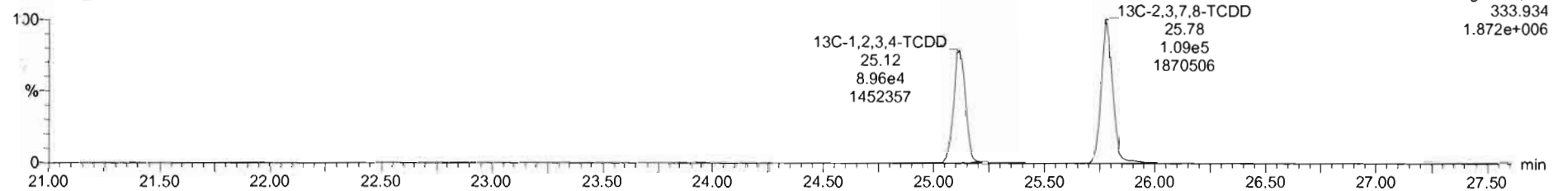


13C-2,3,7,8-TCDD

200930D2_3



200930D2_3

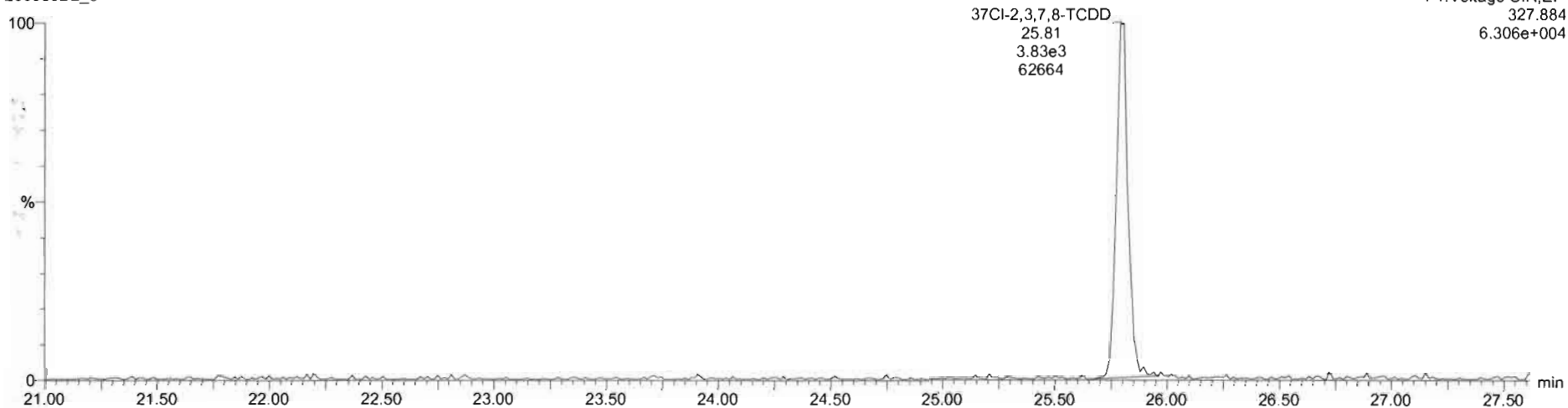


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

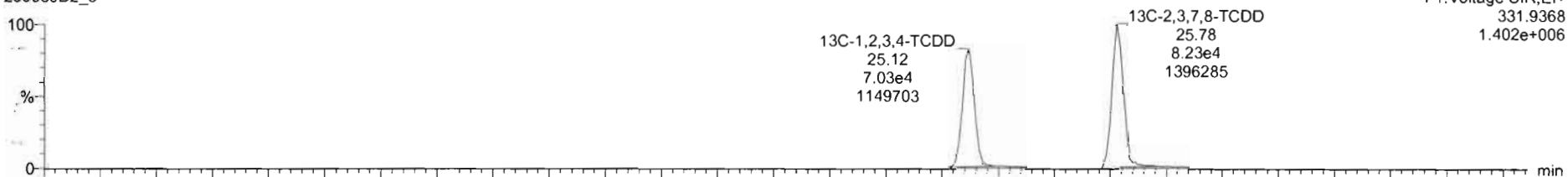
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

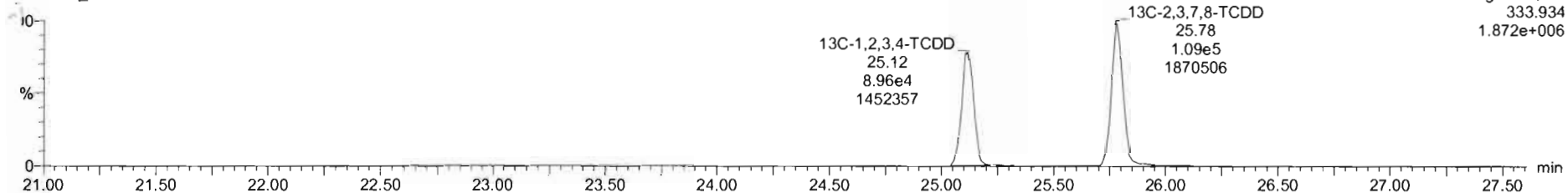
37Cl-2,3,7,8-TCDD
200930D2_3



13C-1,2,3,4-TCDD
200930D2_3



200930D2_3



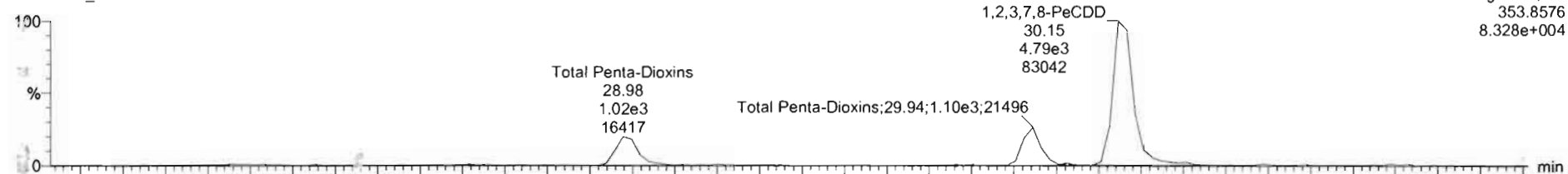
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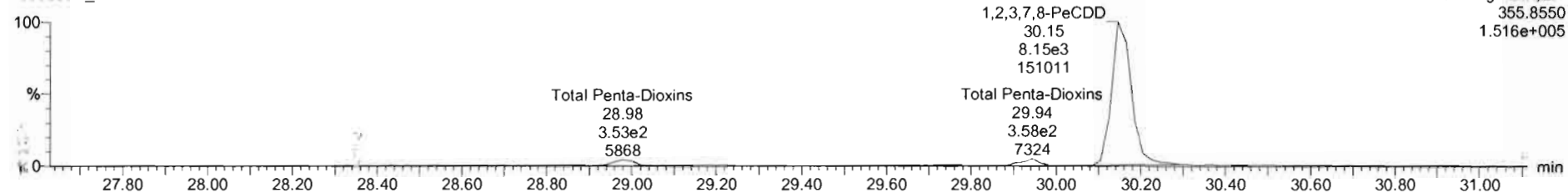
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1,2,3,7,8-PeCDD

200930D2_3

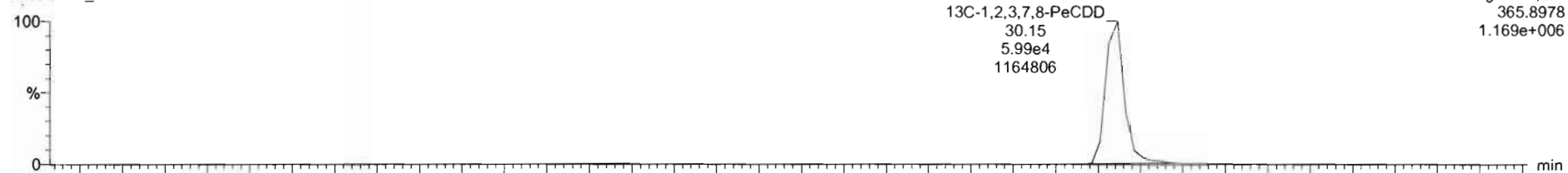


200930D2_3

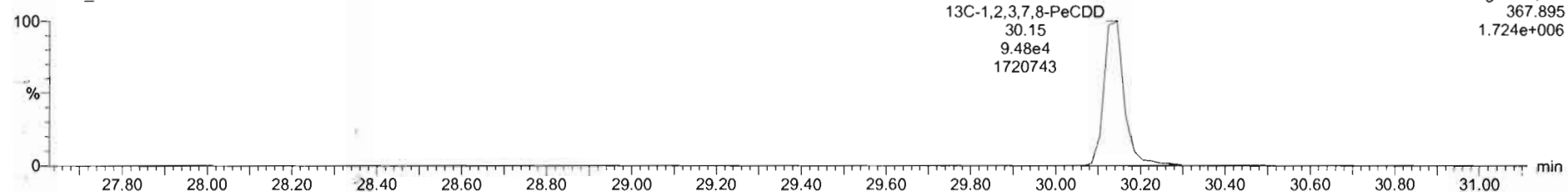


13C-1,2,3,7,8-PeCDD

200930D2_3



200930D2_3



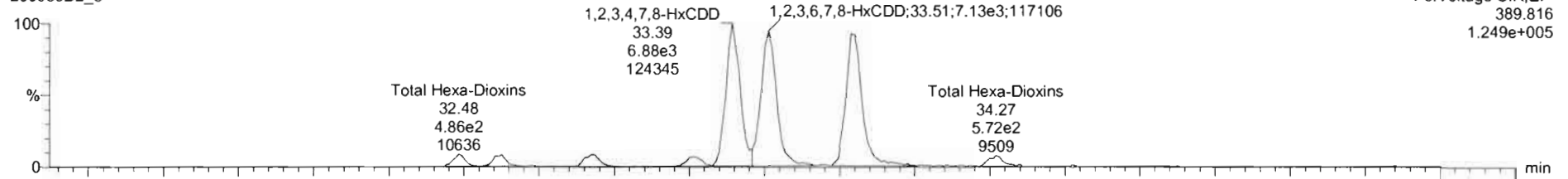
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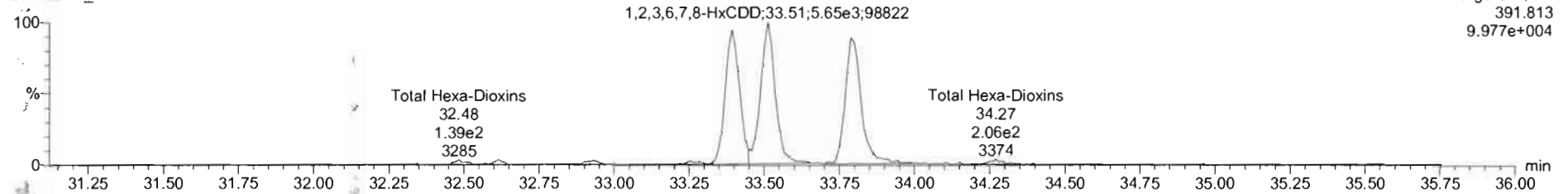
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1,2,3,4,7,8-HxCDD

200930D2_3

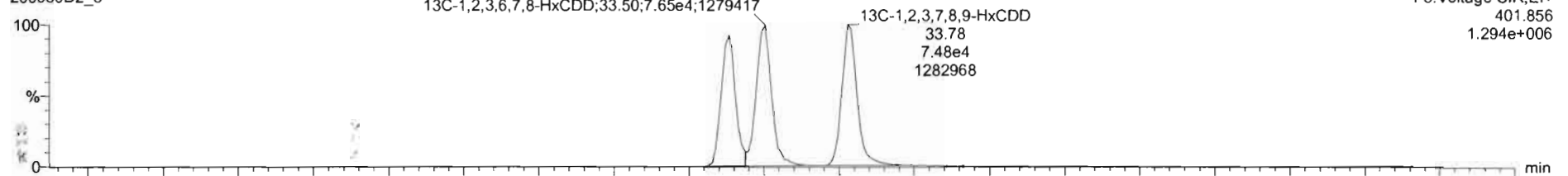


200930D2_3

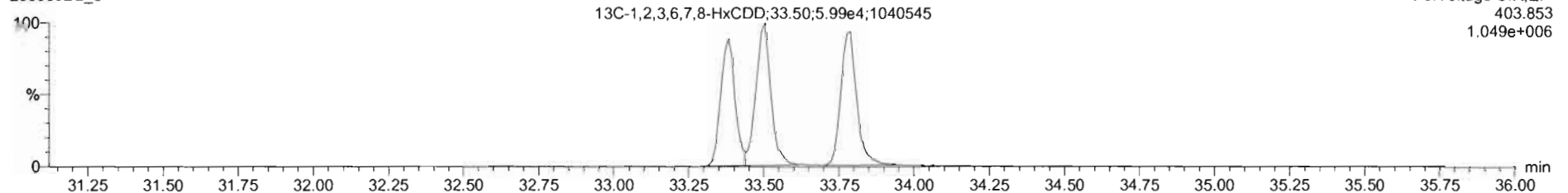


13C-1,2,3,4,7,8-HxCDD

200930D2_3



200930D2_3



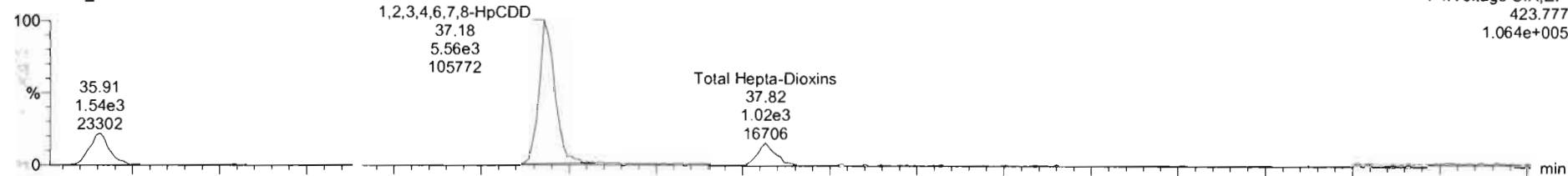
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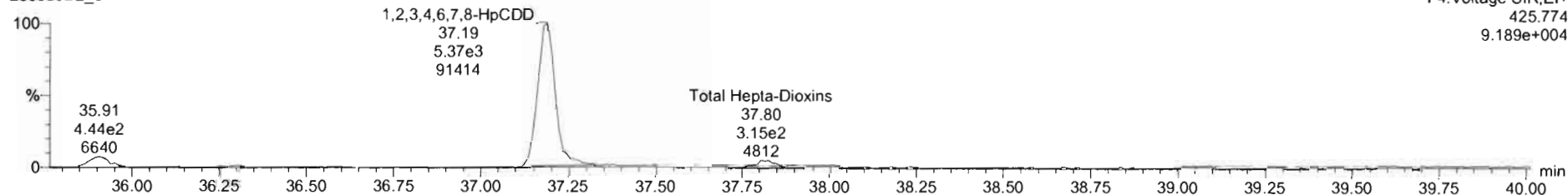
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1,2,3,4,6,7,8-HpCDD

200930D2_3

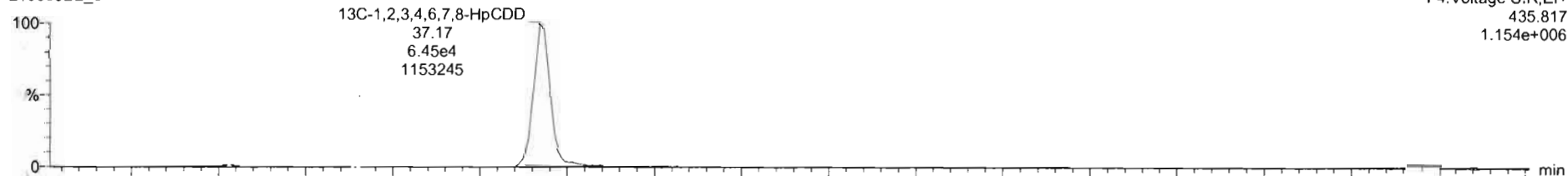


200930D2_3

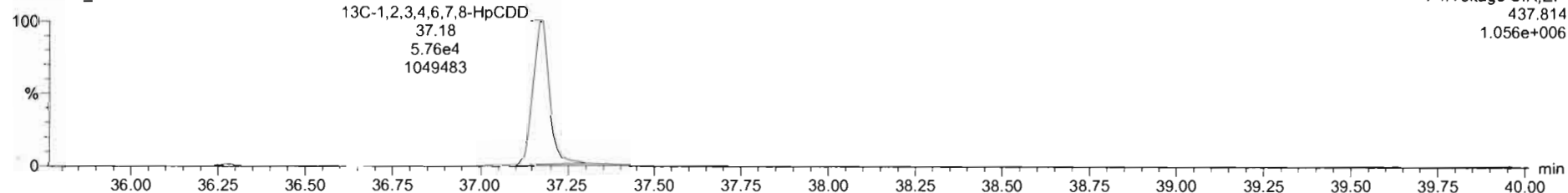


13C-1,2,3,4,6,7,8-HpCDD

200930D2_3



200930D2_3



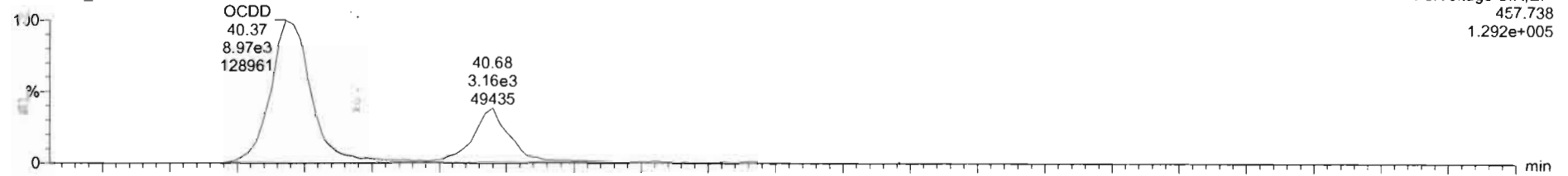
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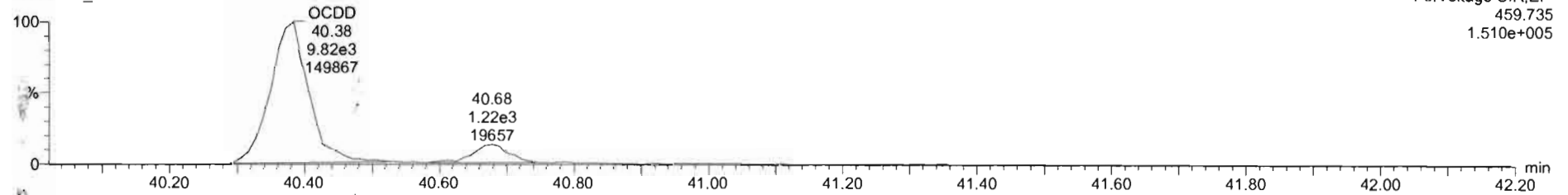
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OCDD

200930D2_3

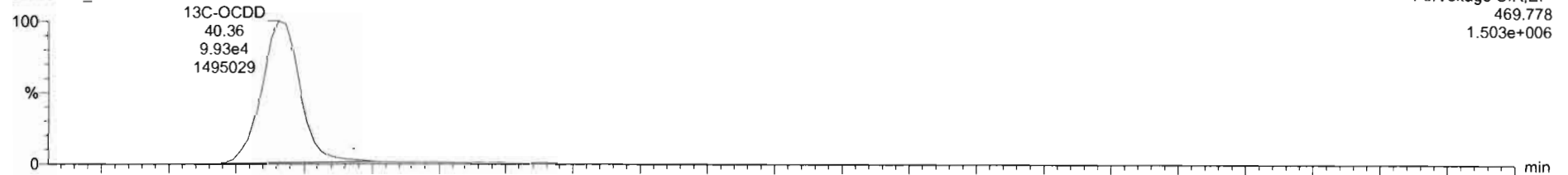


200930D2_3

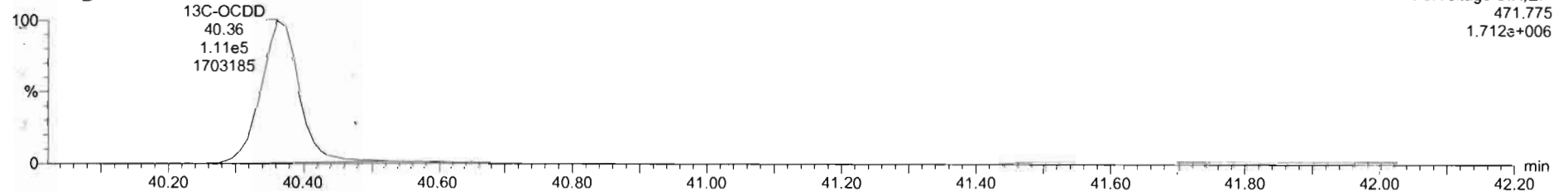


13C-OCDD

200930D2_3



200930D2_3

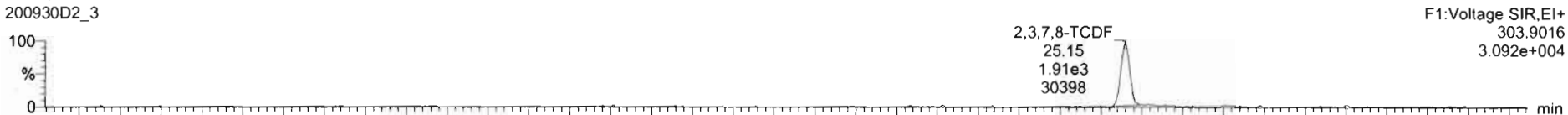


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

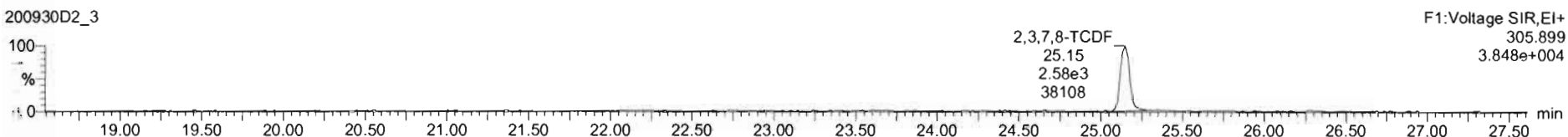
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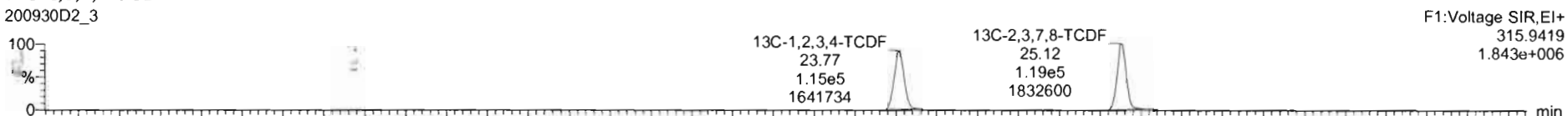
2,3,7,8-TCDF
200930D2_3



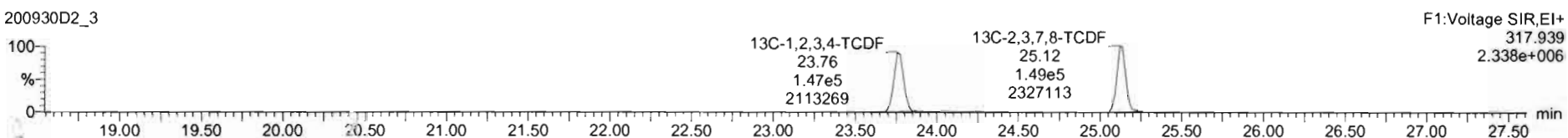
200930D2_3



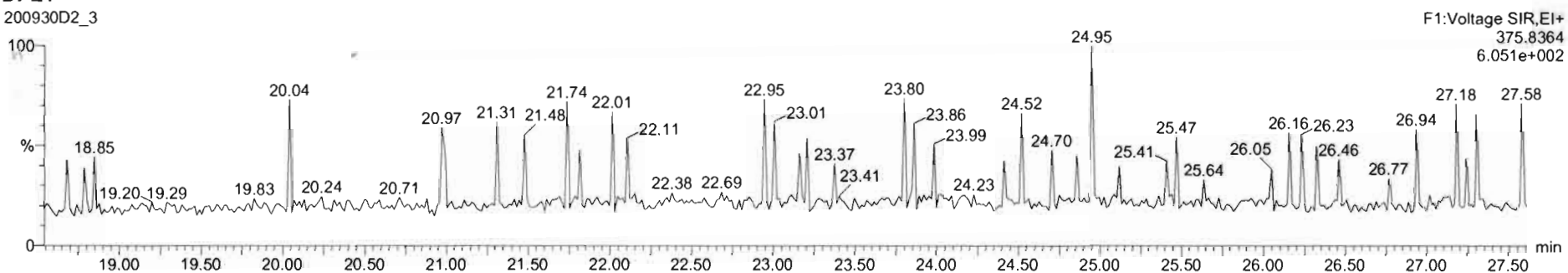
13C-2,3,7,8-TCDF
200930D2_3



200930D2_3



DPE1
200930D2_3



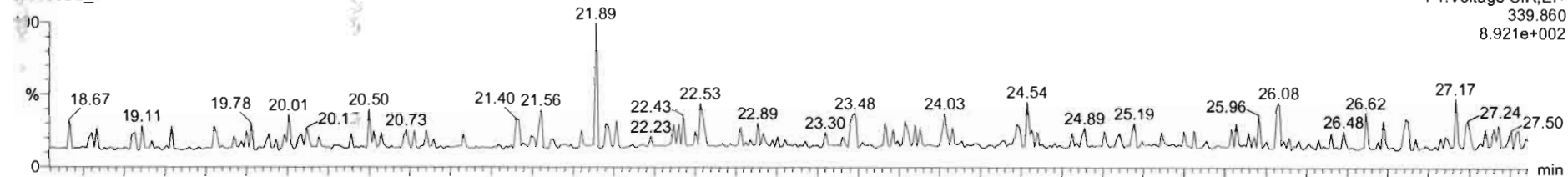
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List Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

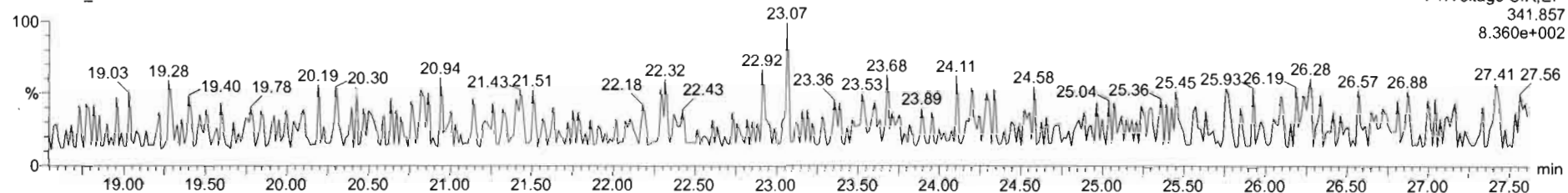
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200930D2_3

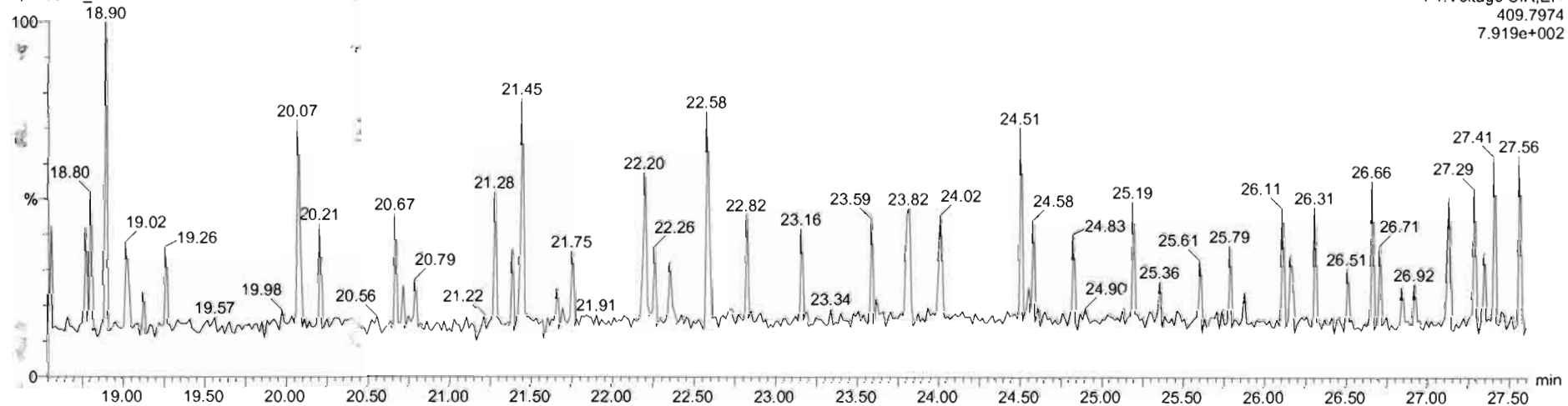


200930D2_3



DPE6

200930D2_3

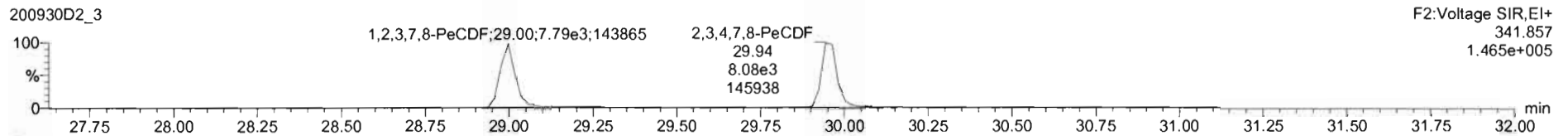
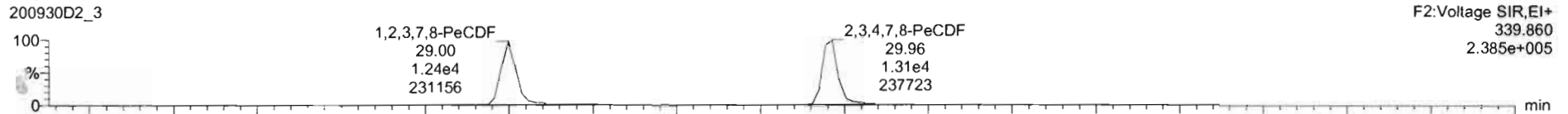


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

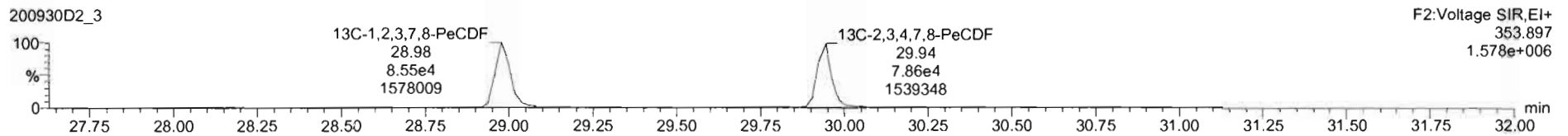
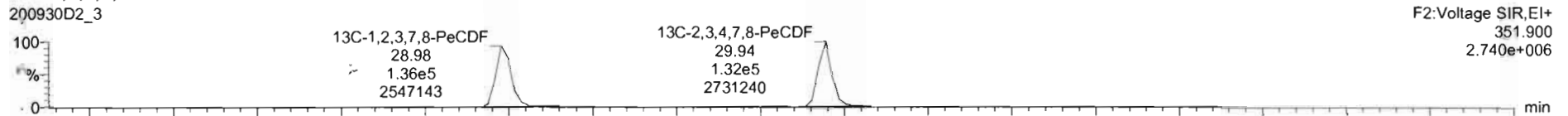
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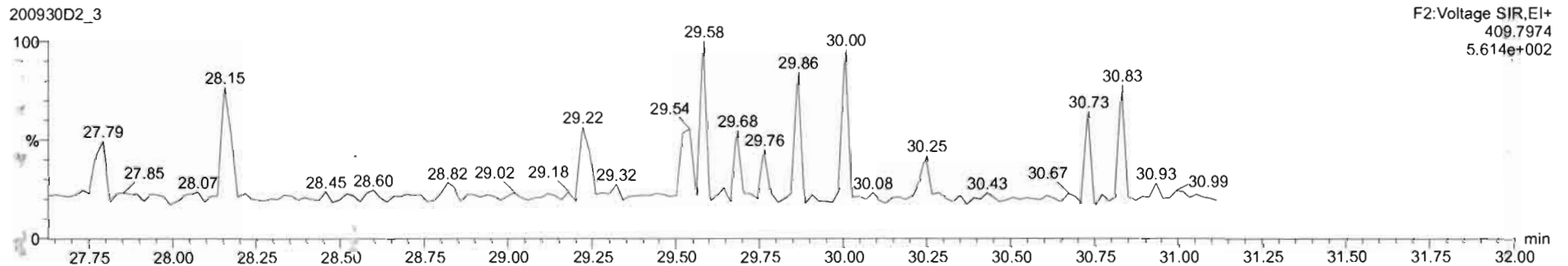
1 2,3,7,8-PeCDF



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



DPE2

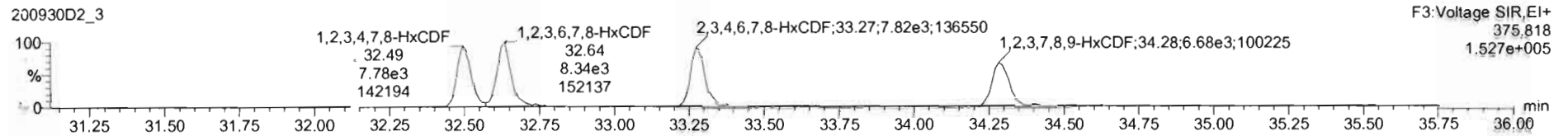
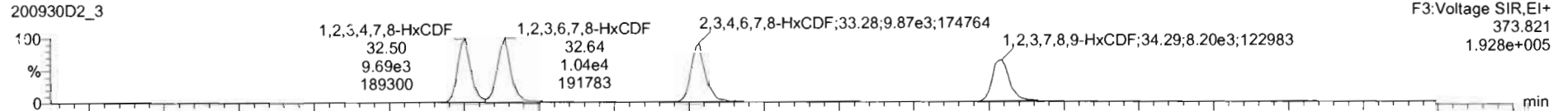


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

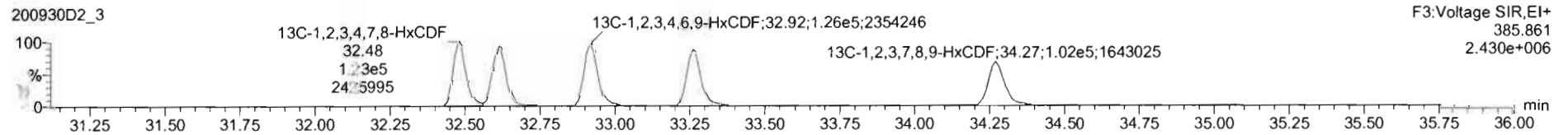
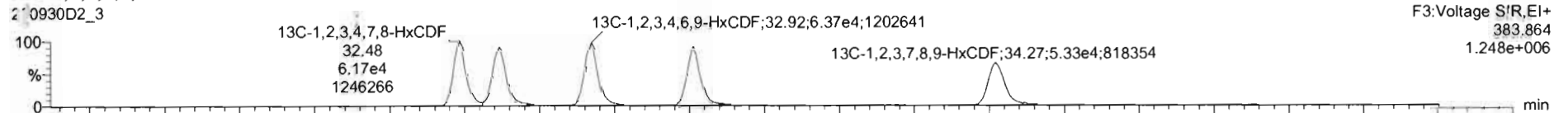
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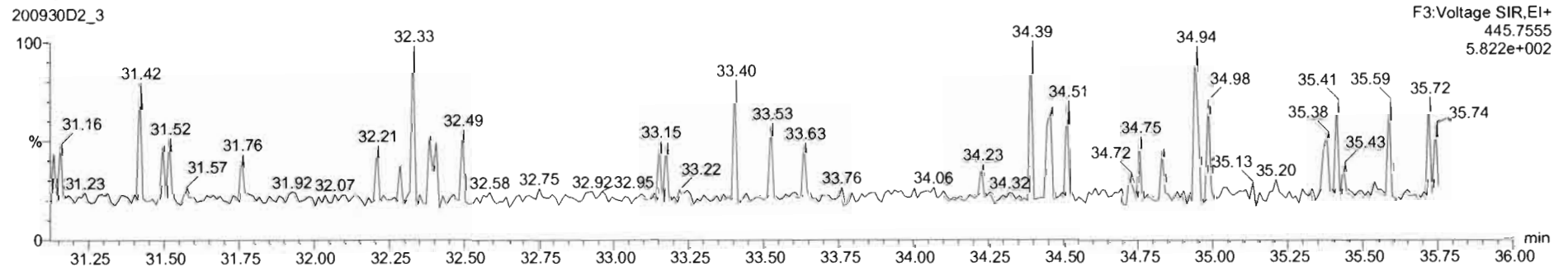
1,2,3,4,7,8-HxCDF



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



DPE3



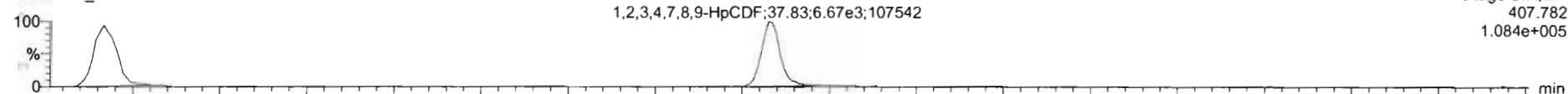
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

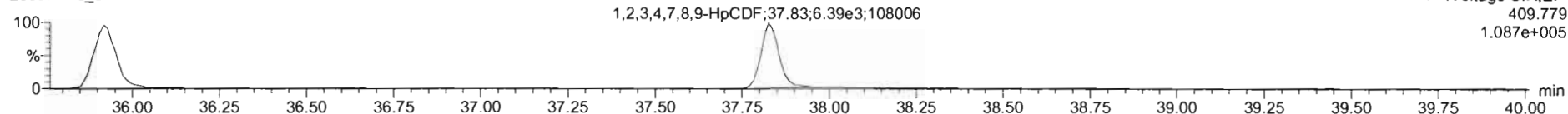
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1 2,3,4,6,7,8-HpCDF

200930D2_3

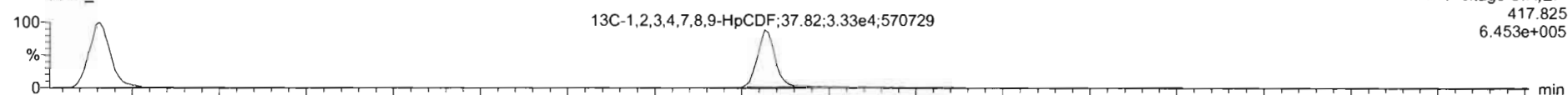


200930D2_3

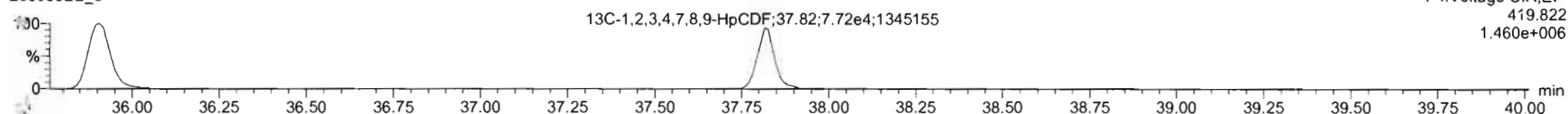


13C-1,2,3,4,6,7,8-HpCDF

200930D2_3

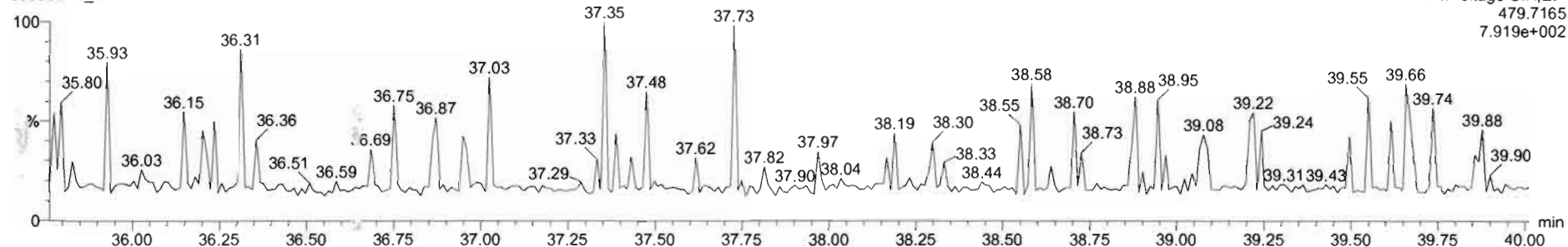


200930D2_3



DPE4

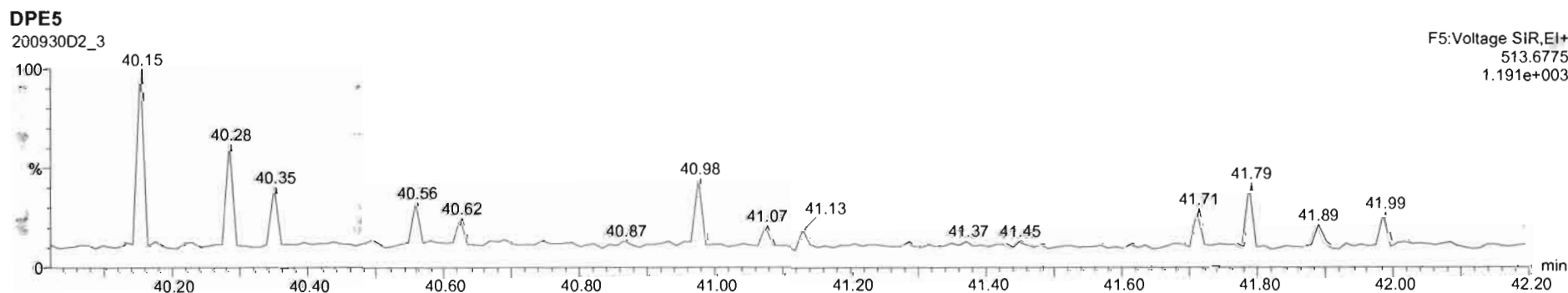
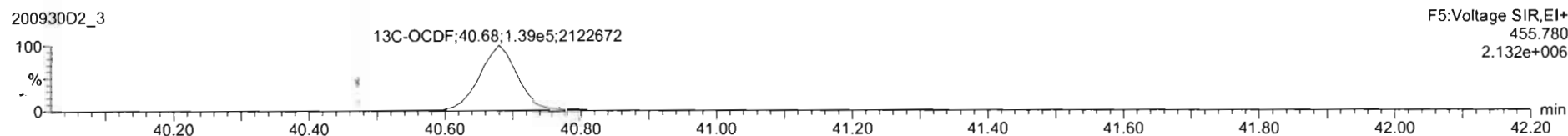
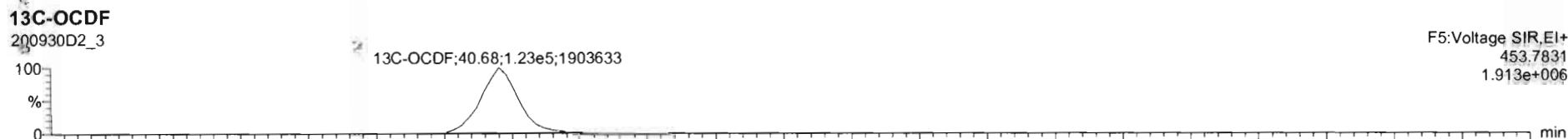
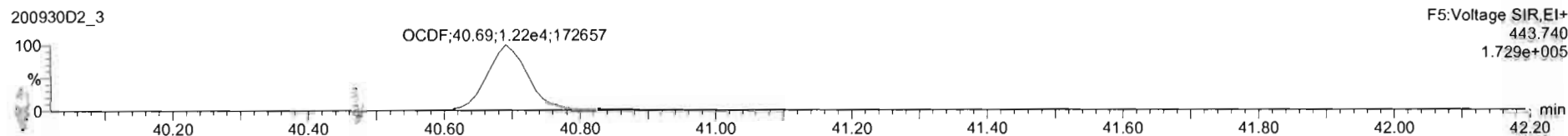
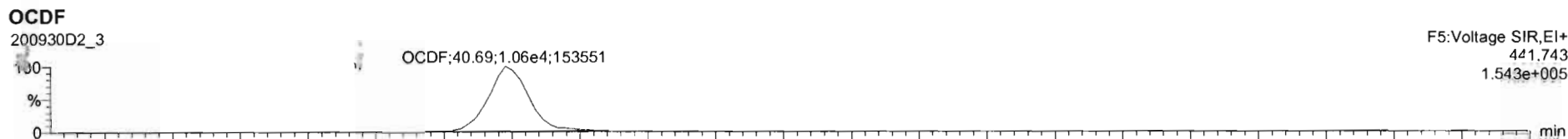
200930D2_3



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

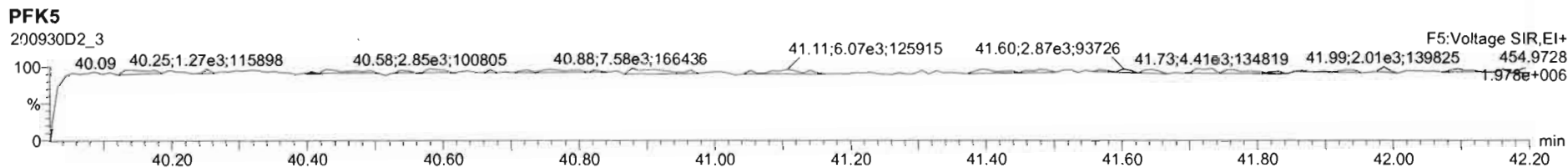
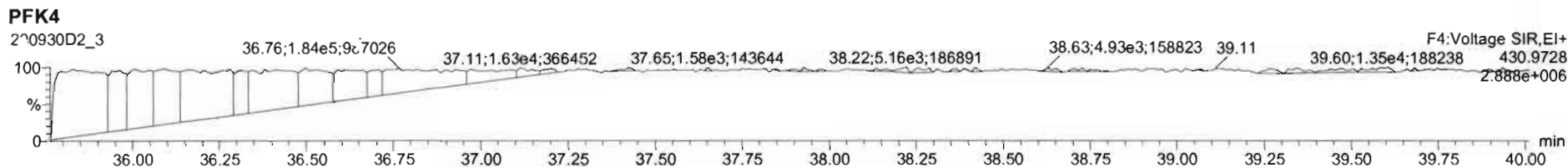
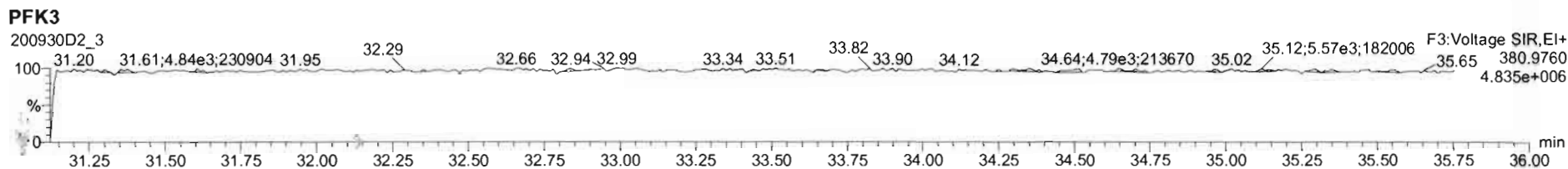
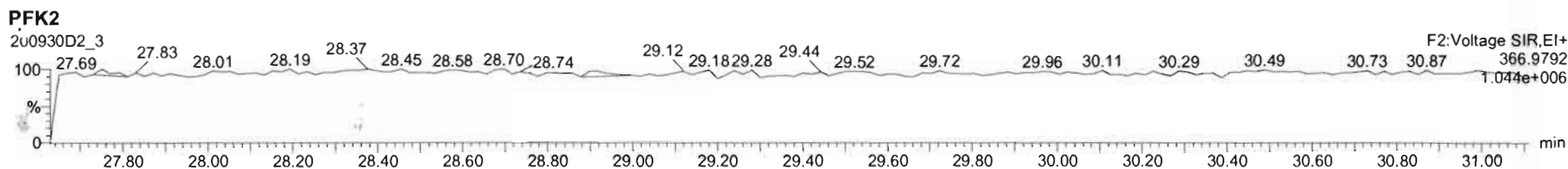
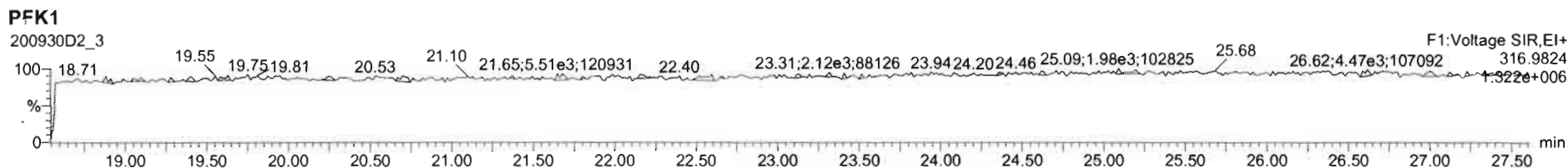
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Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

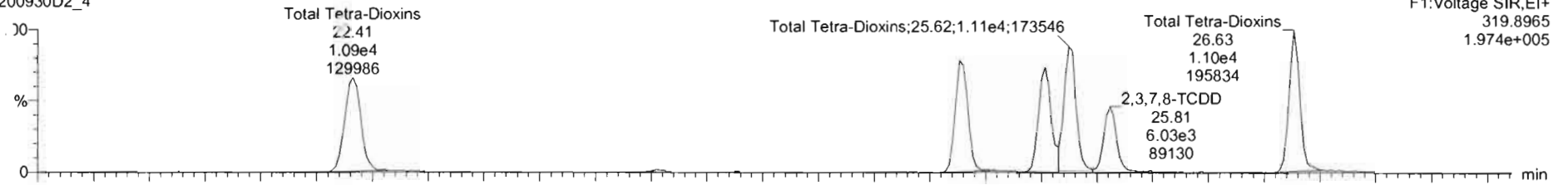
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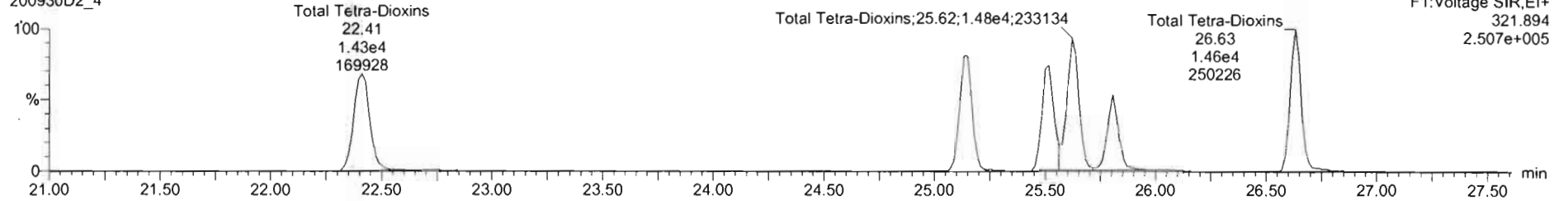
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2,3,7,8-TCDD

200930D2_4

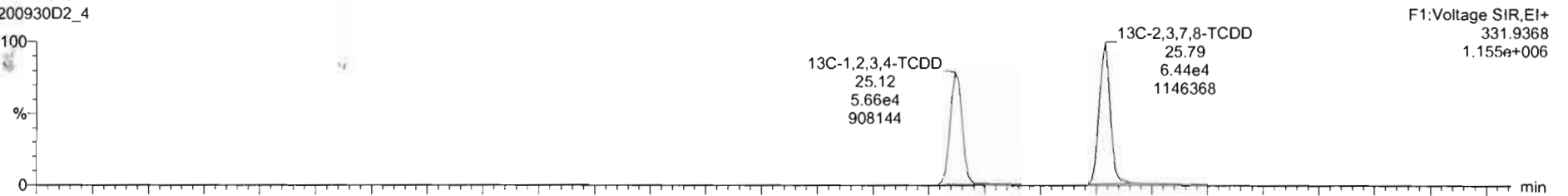


200930D2_4

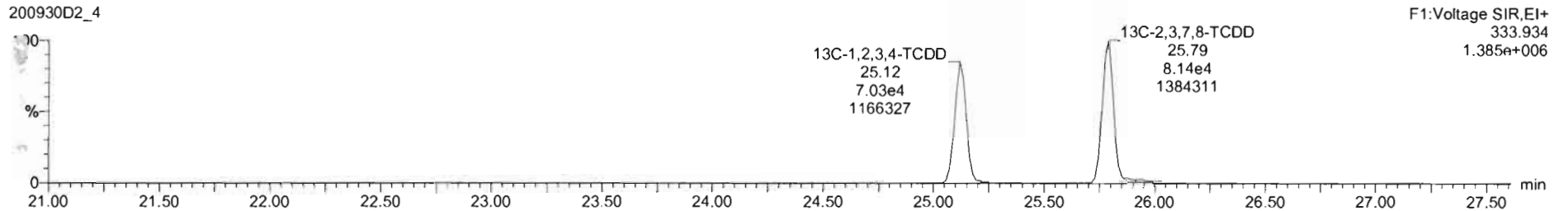


13C-2,3,7,8-TCDD

200930D2_4



200930D2_4



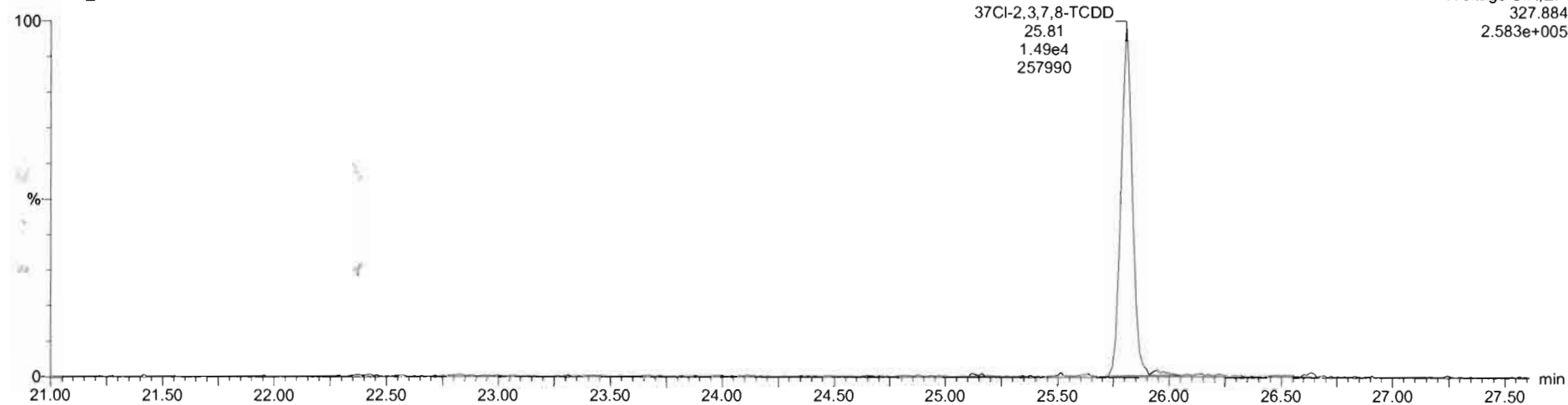
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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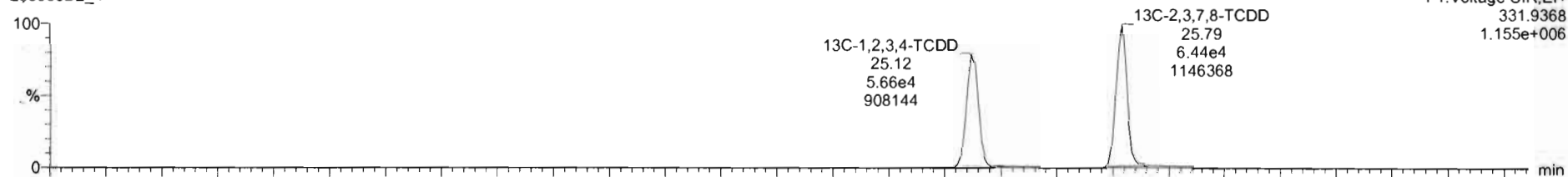
37Cl-2,3,7,8-TCDD

200930D2_4

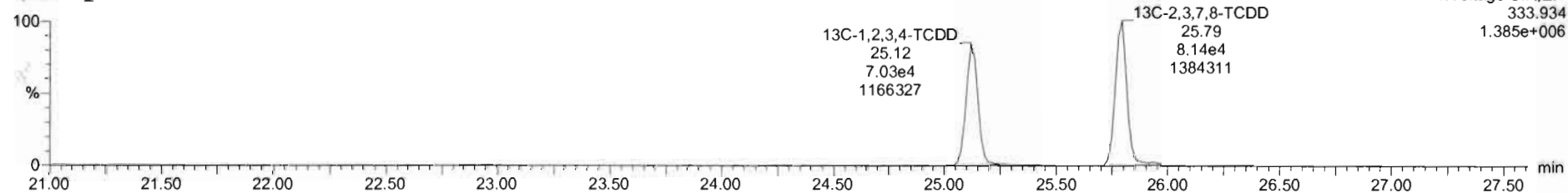


13C-1,2,3,4-TCDD

200930D2_4



200930D2_4

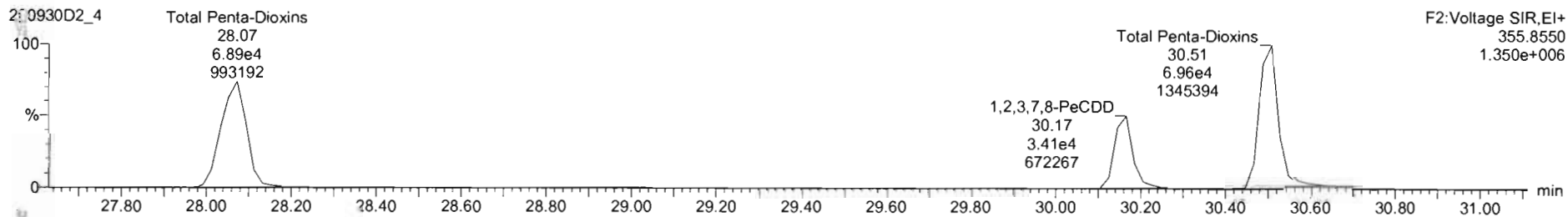
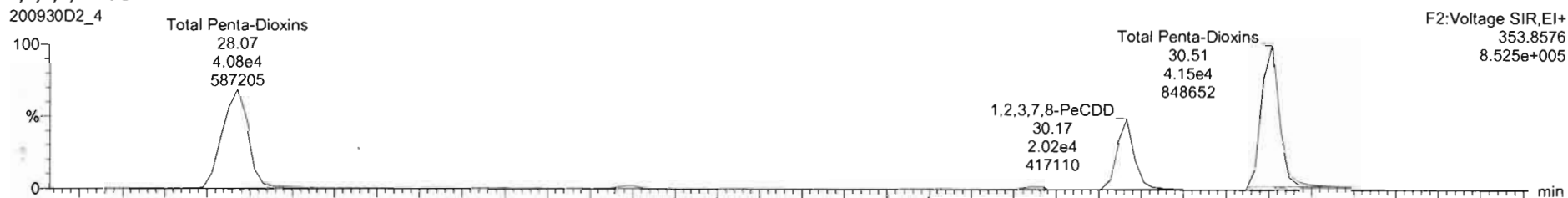


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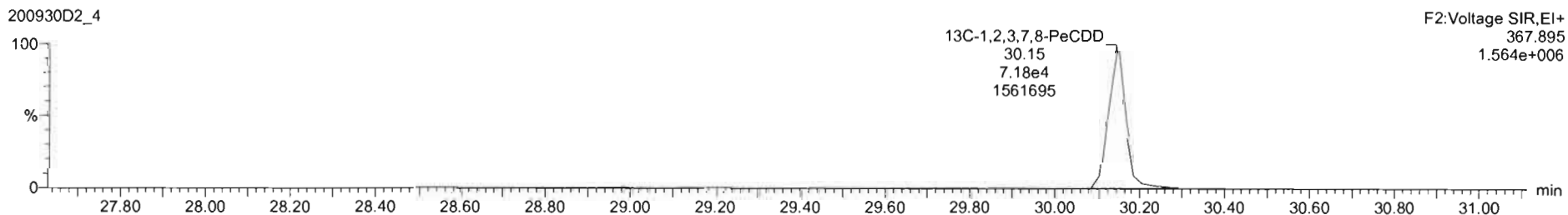
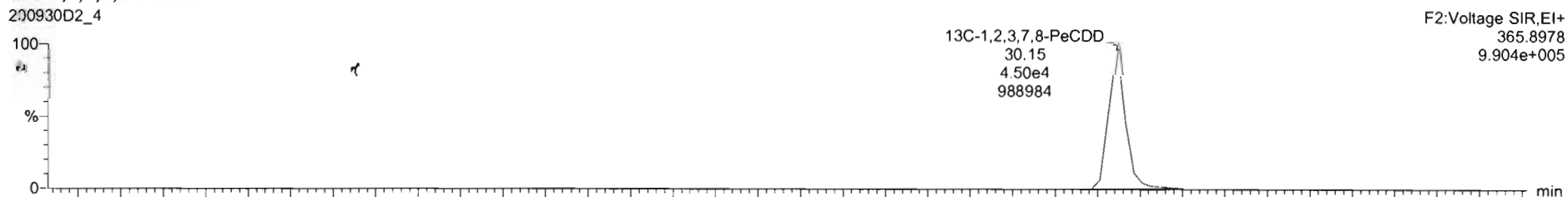
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1,2,3,7,8-PeCDD



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



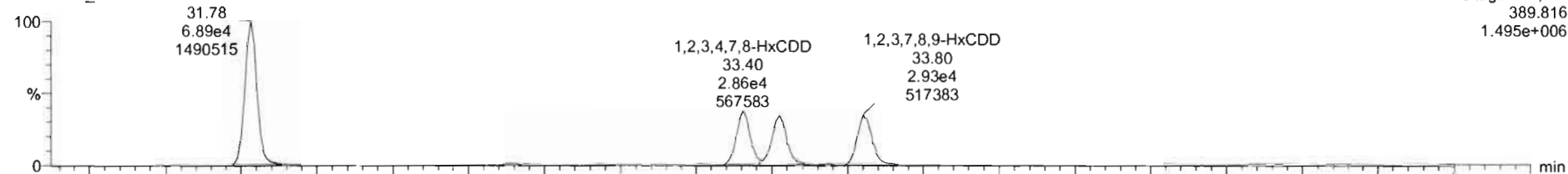
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

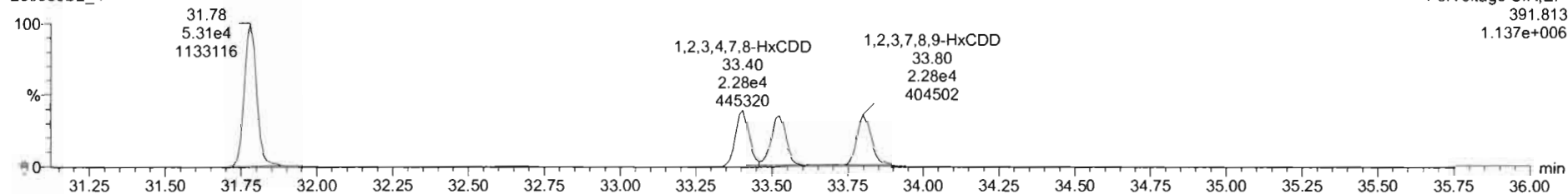
1,2,3,4,7,8-HxCDD

200930D2_4



F3: Voltage SIR, EI+
389.816
1.495e+006

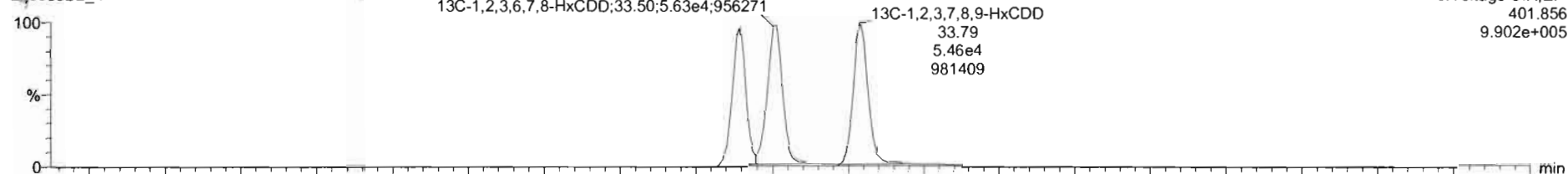
200930D2_4



F3: Voltage SIR, EI+
391.813
1.137e+006

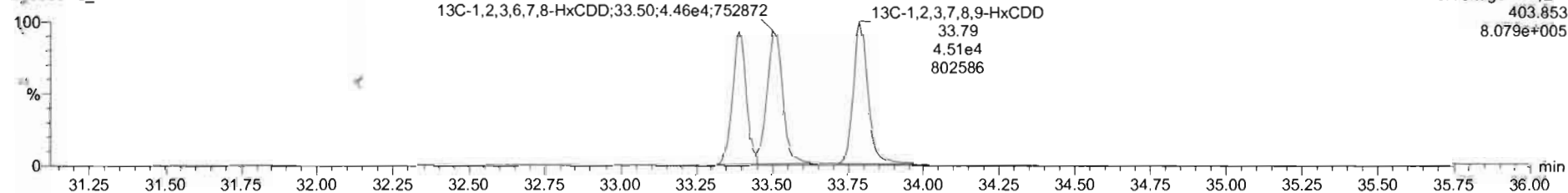
13C-1,2,3,4,7,8-HxCDD

200930D2_4



F3: Voltage SIR, EI+
401.856
9.902e+005

200930D2_4



F3: Voltage SIR, EI+
403.853
8.079e+005

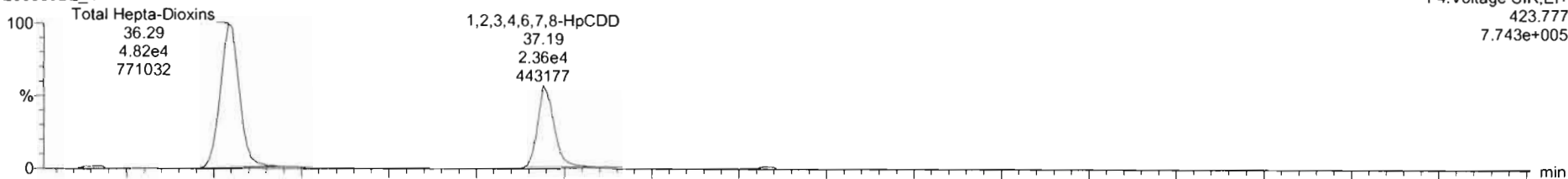
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_4, Date: 30-Sep-20 10, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

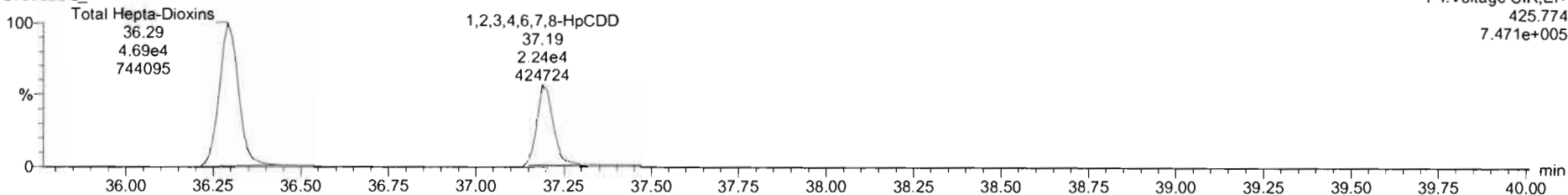
1,2,3,4,6,7,8-HpCDD

200930D2_4



F4:Voltage SIR,EI+
423.777
7.743e+005

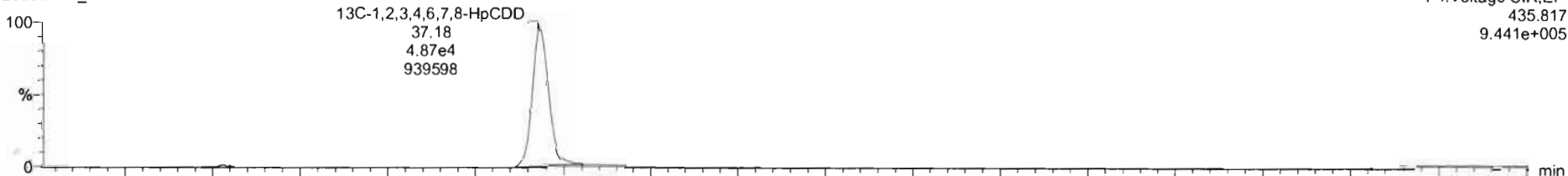
200930D2_4



F4:Voltage SIR,EI+
425.774
7.471e+005

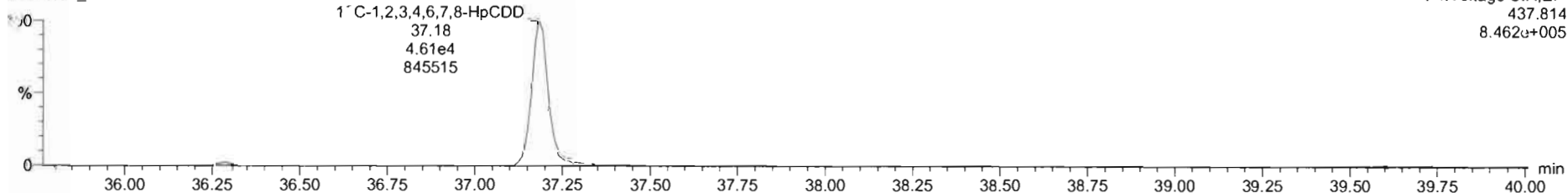
13C-1,2,3,4,6,7,8-HpCDD

200930D2_4



F4:Voltage SIR,EI+
435.817
9.441e+005

200930D2_4

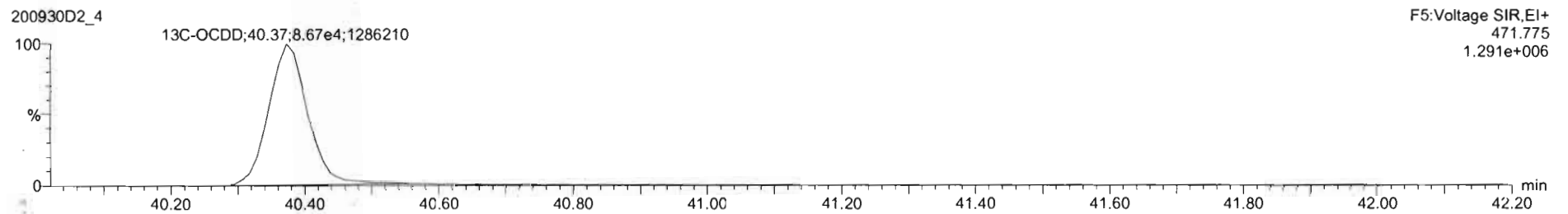
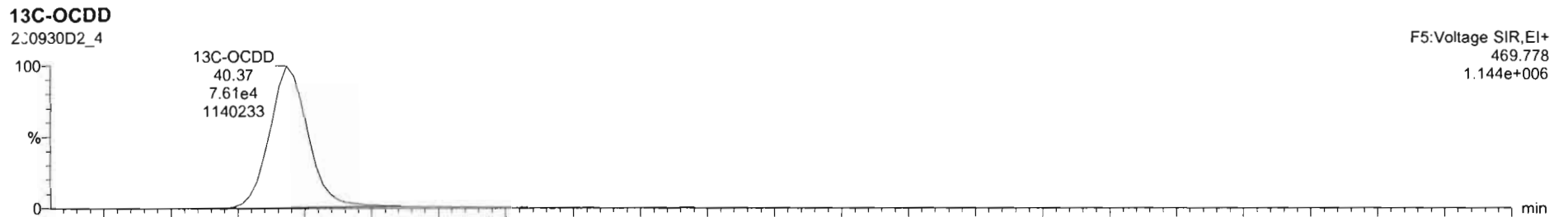
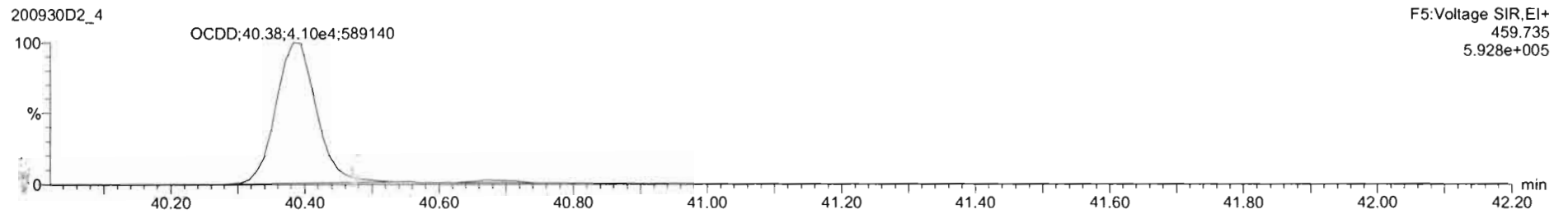
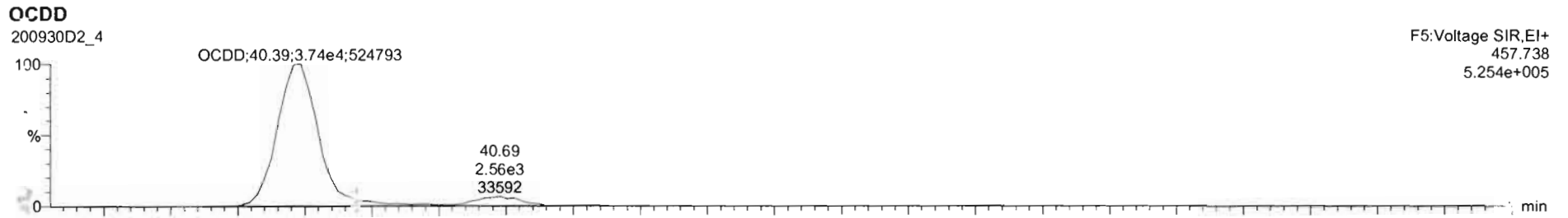


F4:Voltage SIR,EI+
437.814
8.462e+005

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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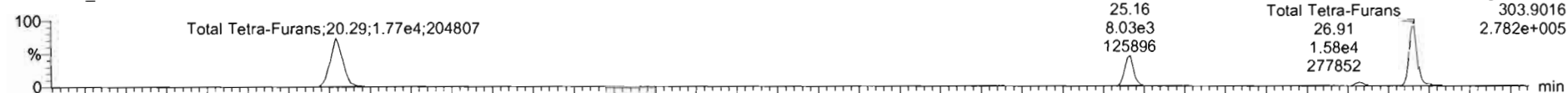
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

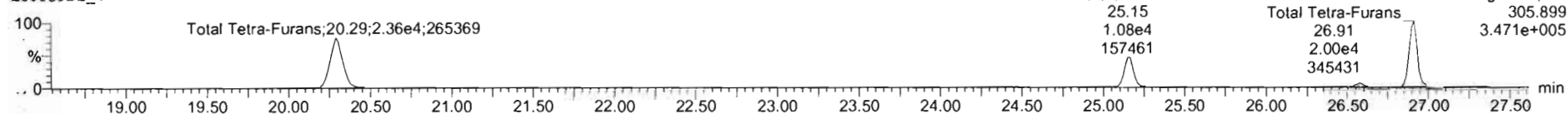
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2,3,7,8-TCDF

200930D2_4

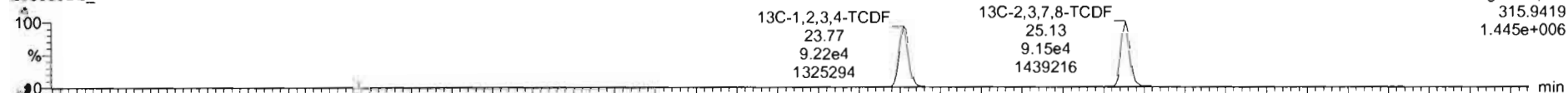


200930D2_4

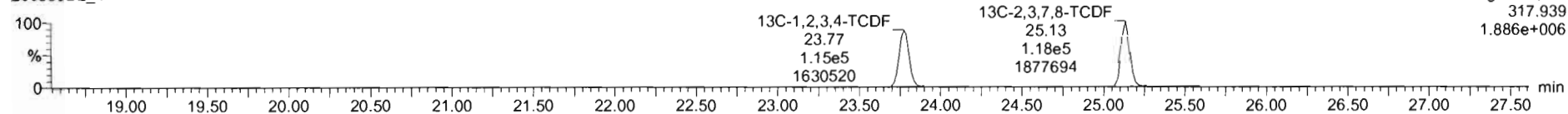


13C-2,3,7,8-TCDF

200930D2_4

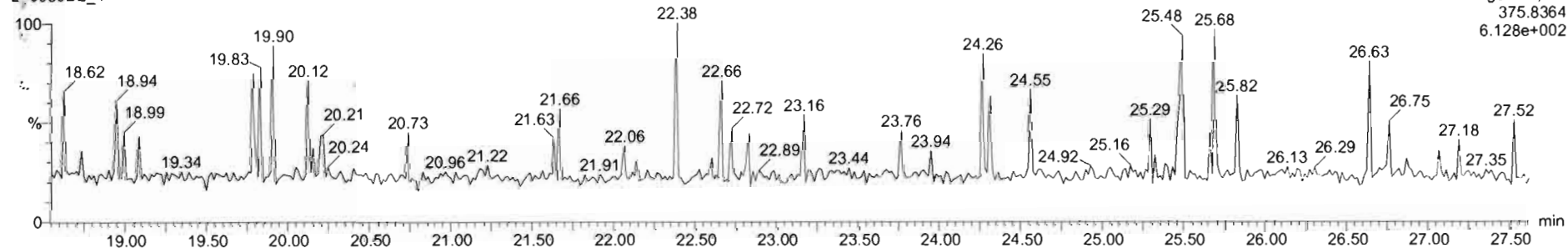


200930D2_4



DPE1

200930D2_4



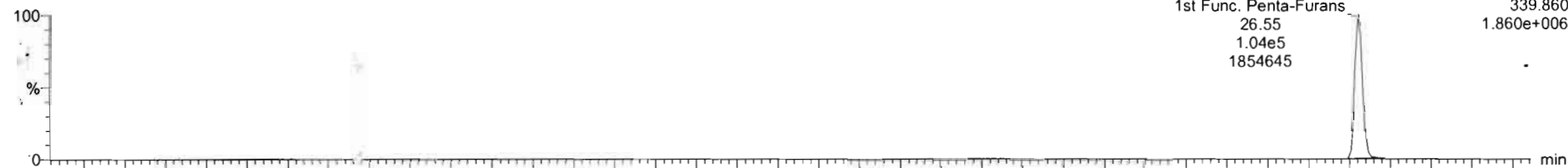
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
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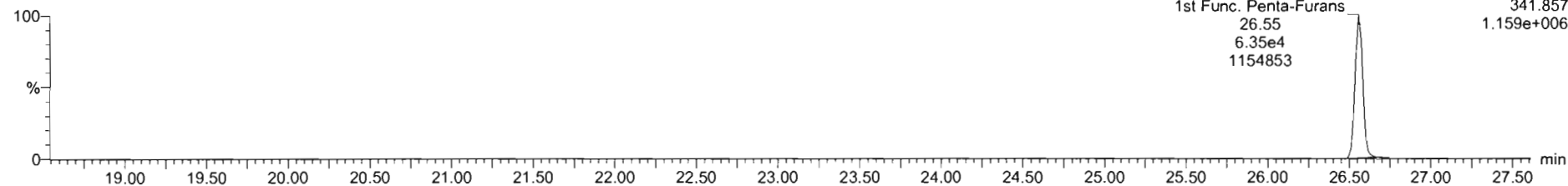
Name: 200930D2_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

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200930D2_4

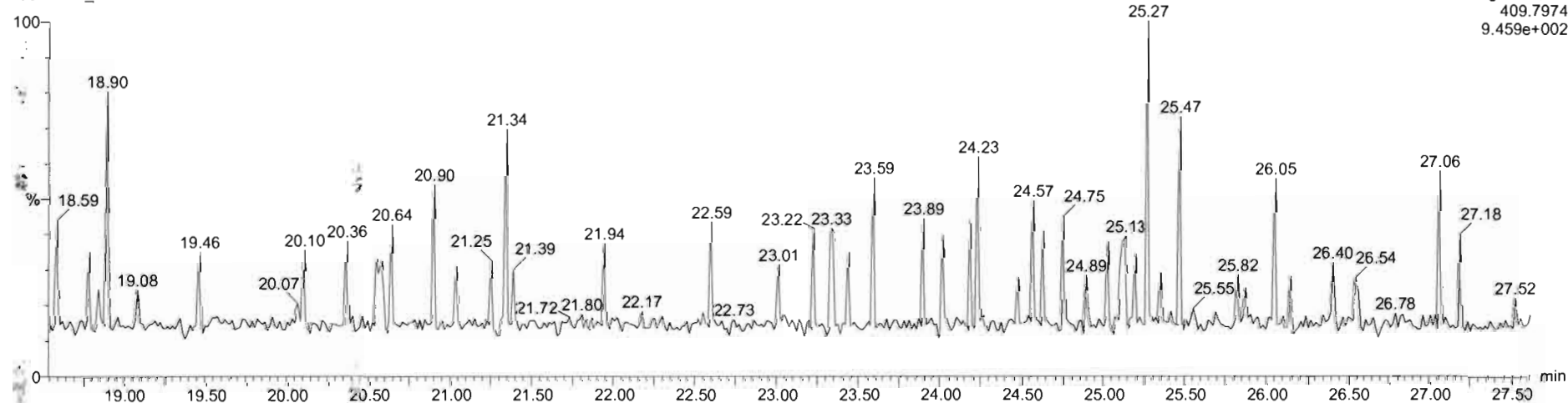


200930D2_4



DPE6

200930D2_4



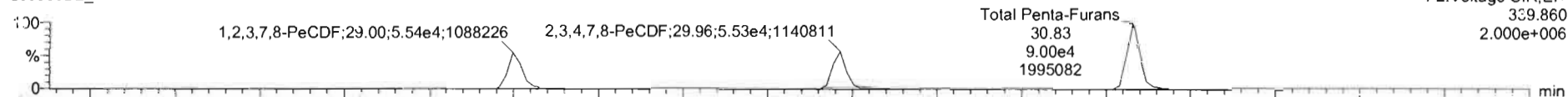
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

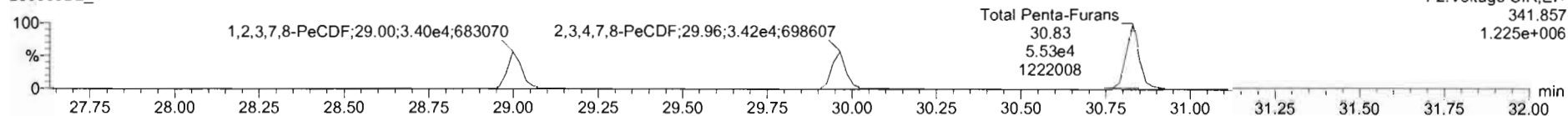
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1,2,3,7,8-PeCDF

200930D2_4

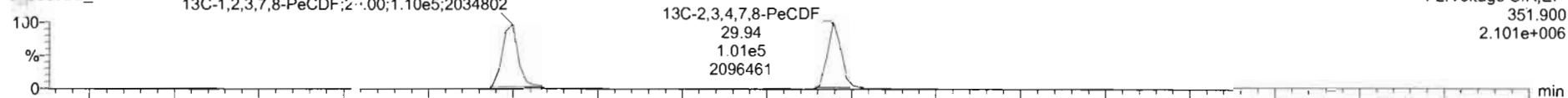


200930D2_4

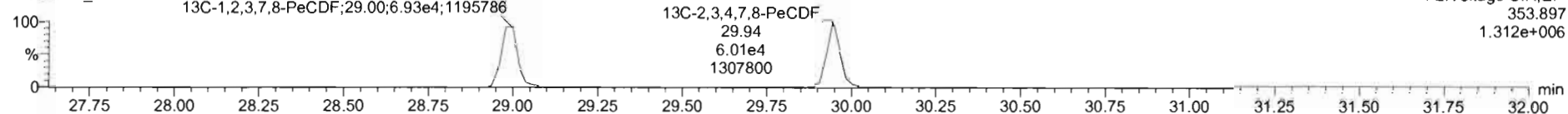


13C-1,2,3,7,8-PeCDF

200930D2_4

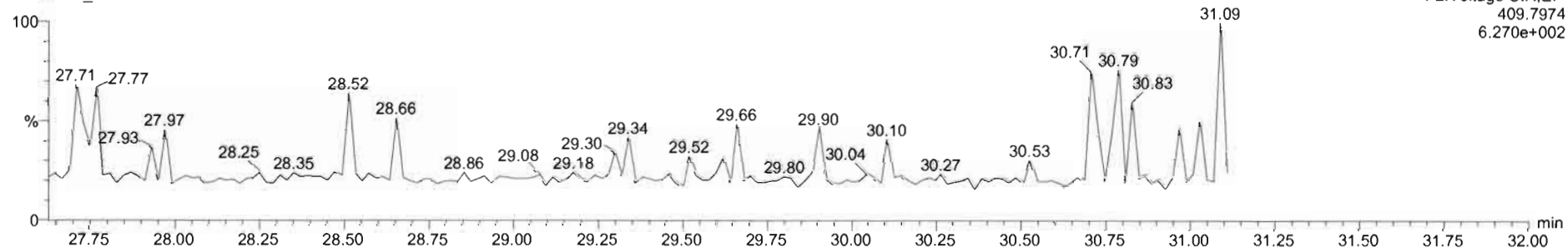


200930D2_4



DPE2

200930D2_4

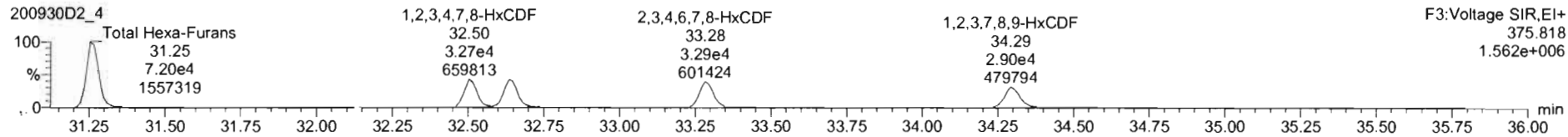
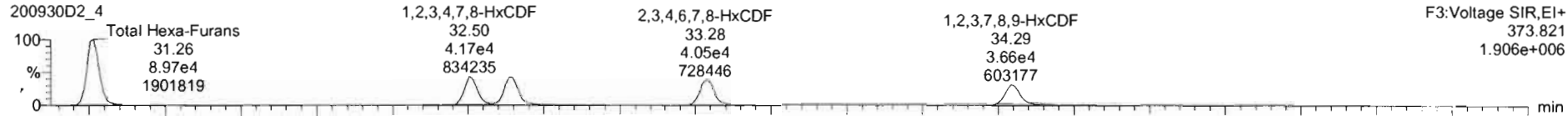


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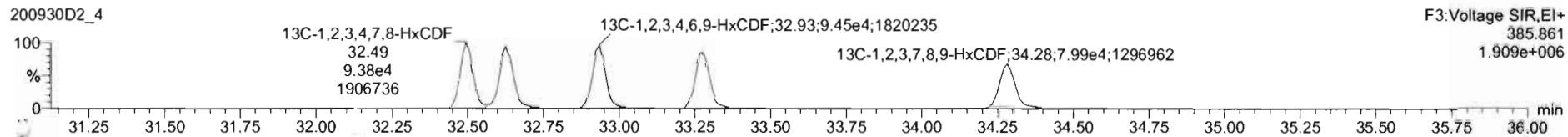
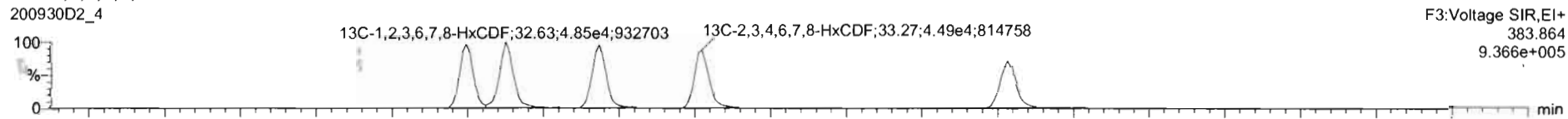
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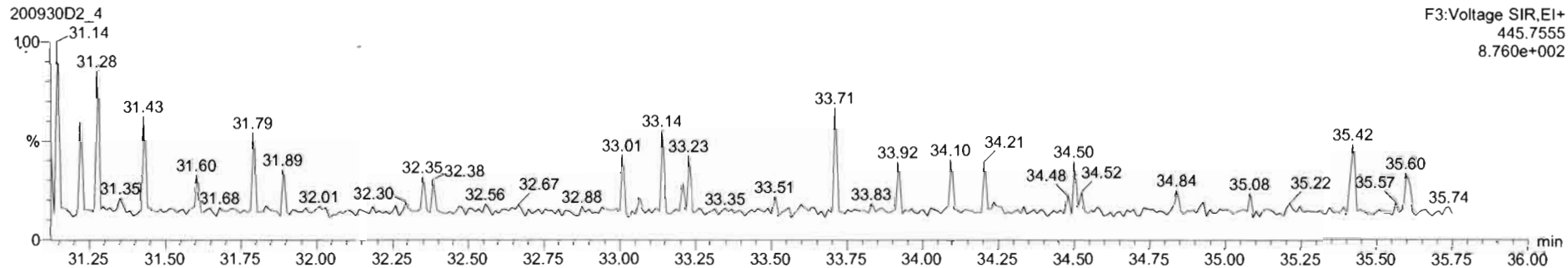
1,2,3,4,7,8-HxCDF



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



DPE3

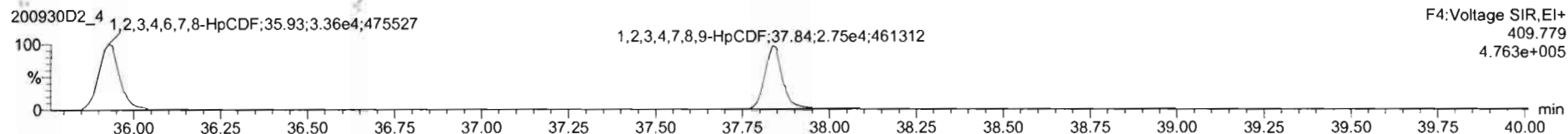
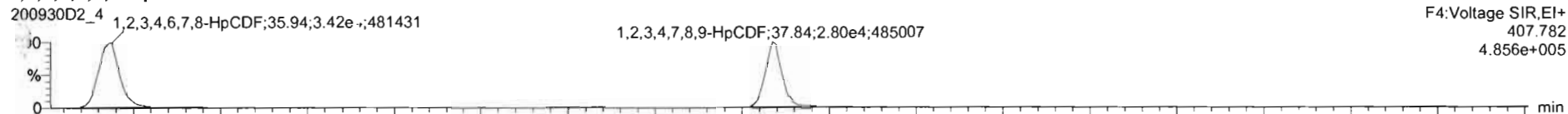


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

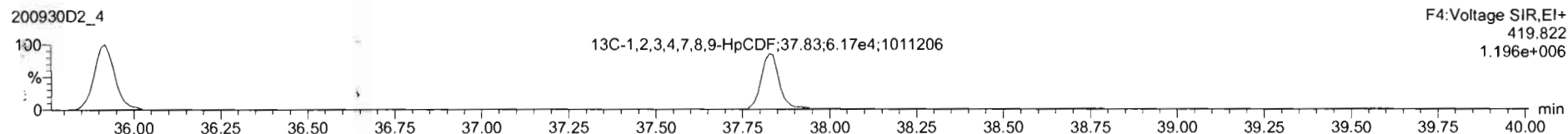
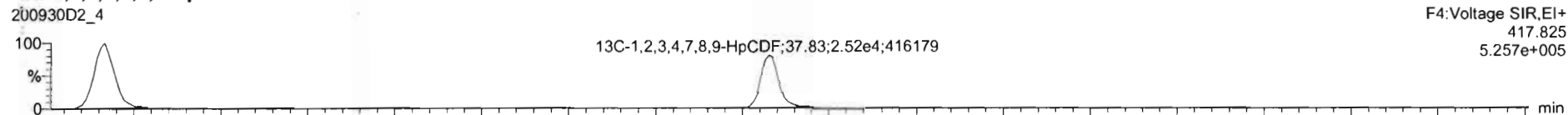
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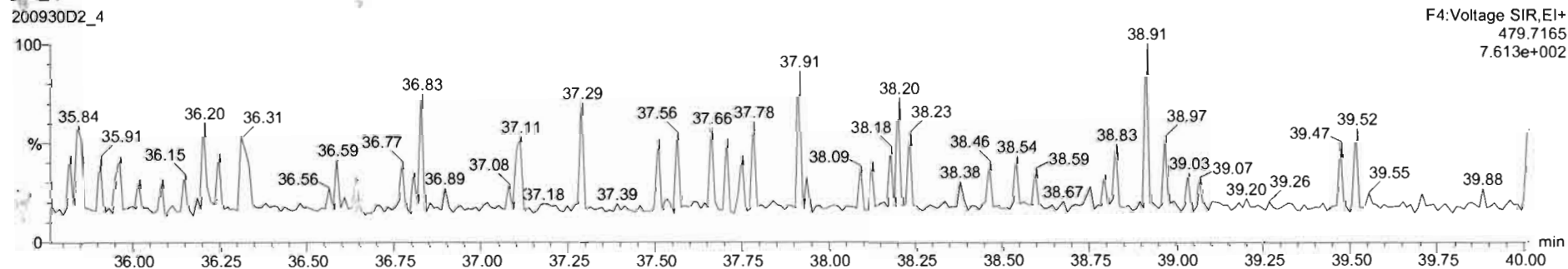
1,2,3,4,6,7,8-HpCDF



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



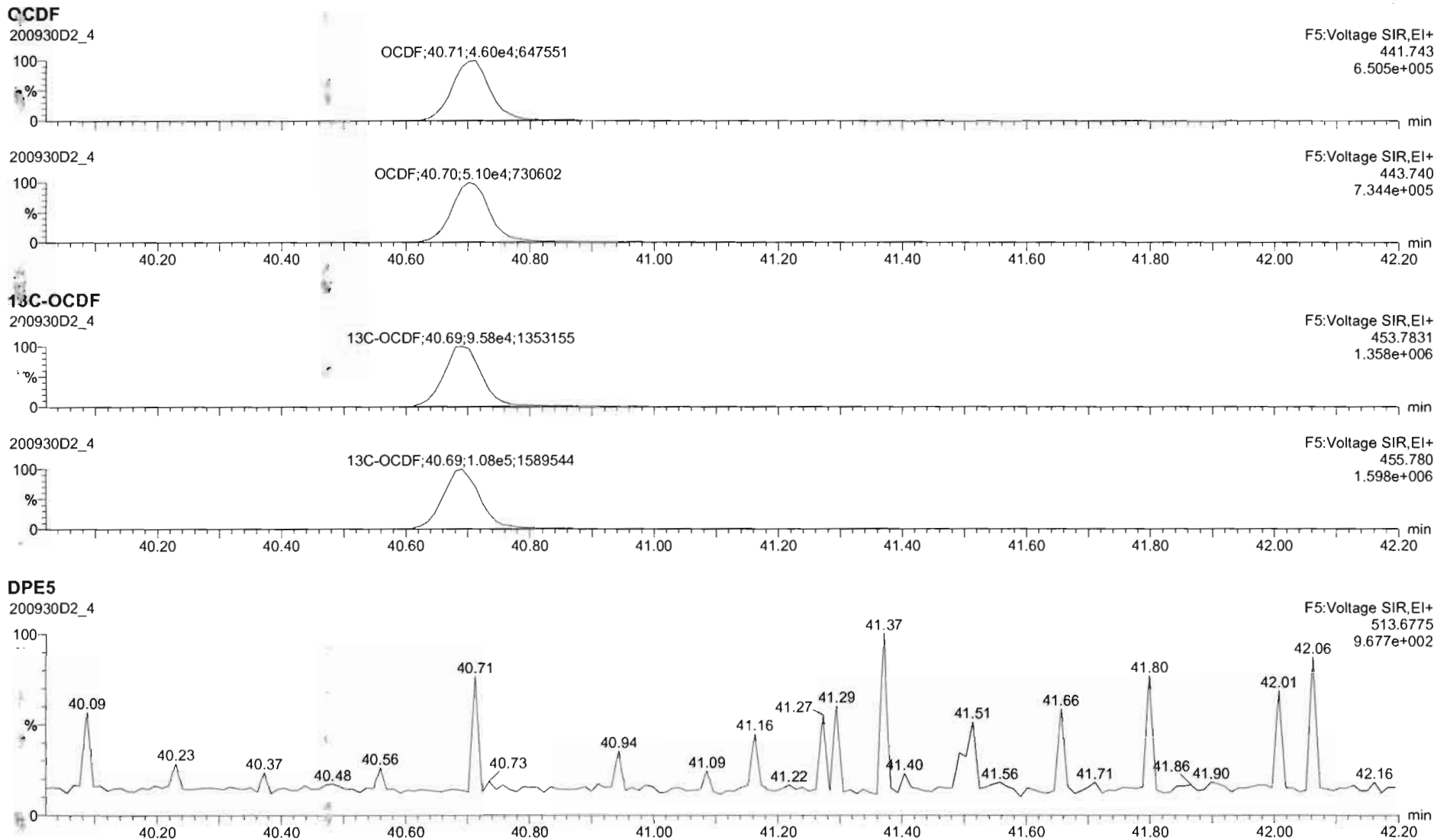
PE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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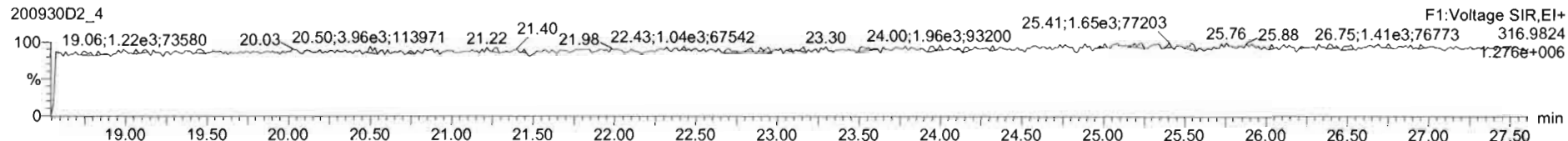


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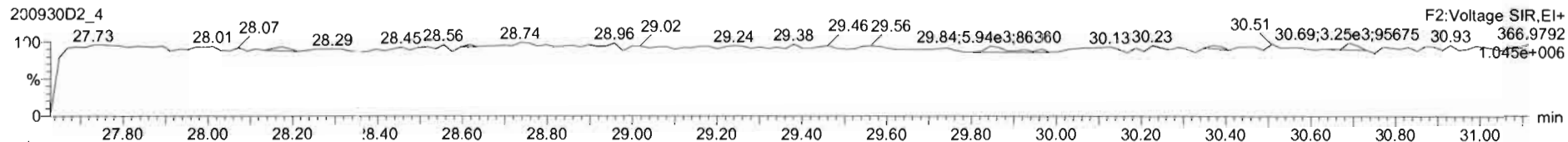
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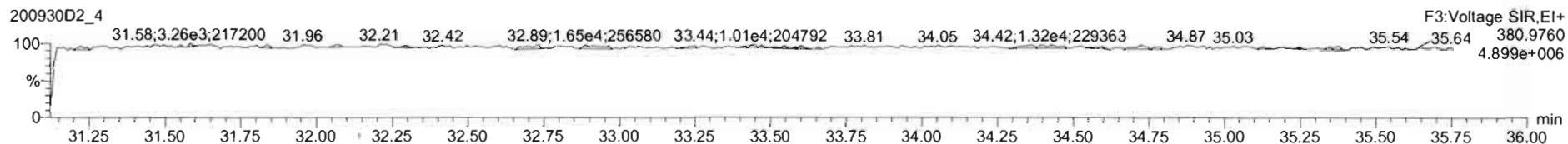
PFK1



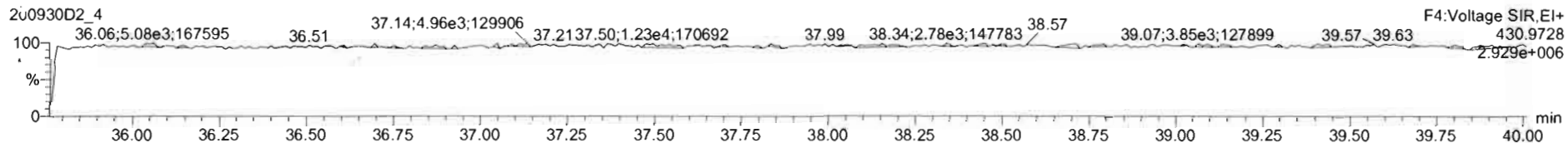
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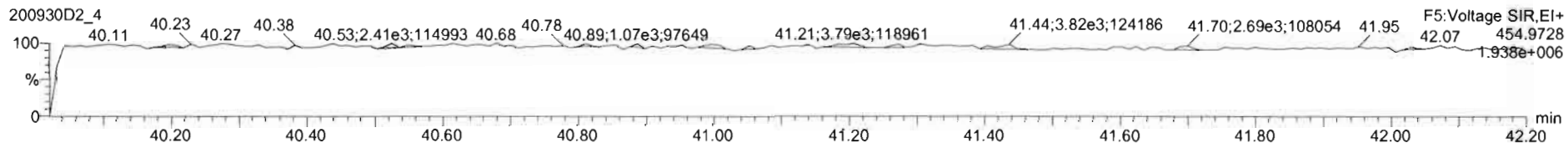
PFK3



PFK4



PFK5



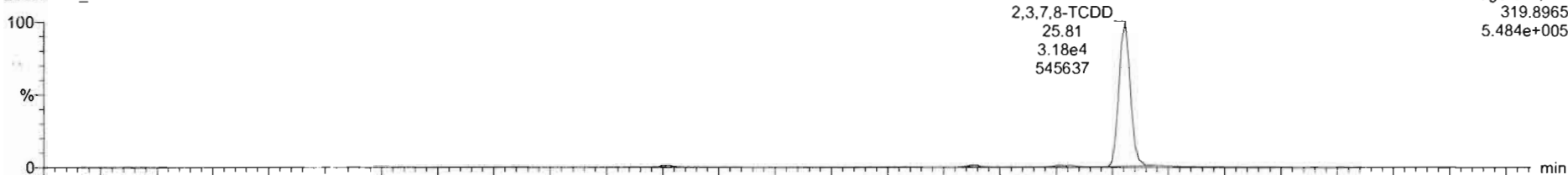
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

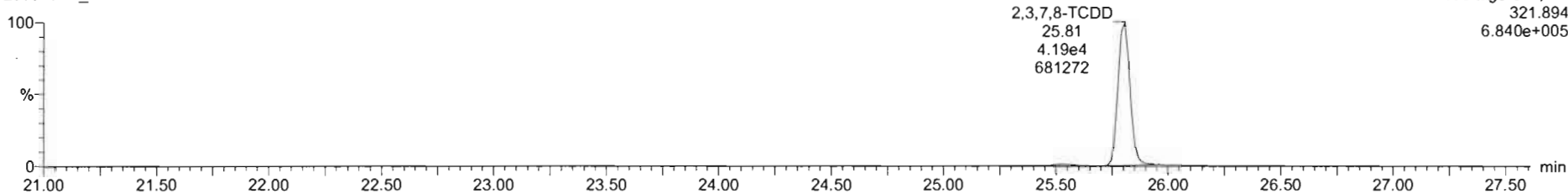
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2,3,7,8-TCDD

200930D2_5

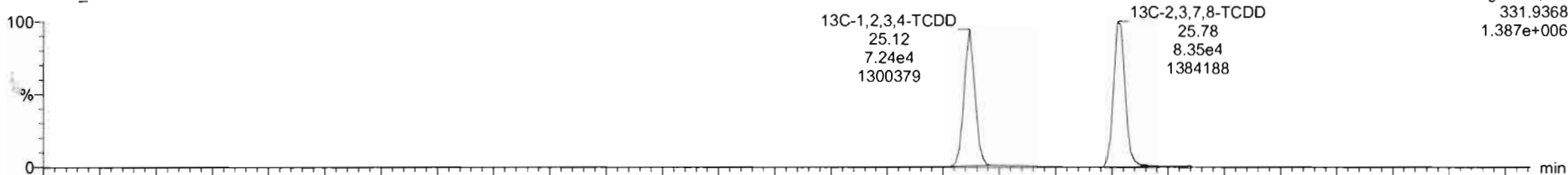


200930D2_5

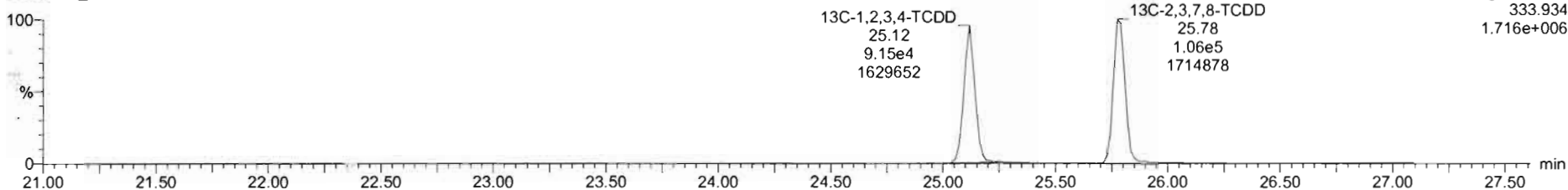


13C-2,3,7,8-TCDD

200930D2_5



200930D2_5



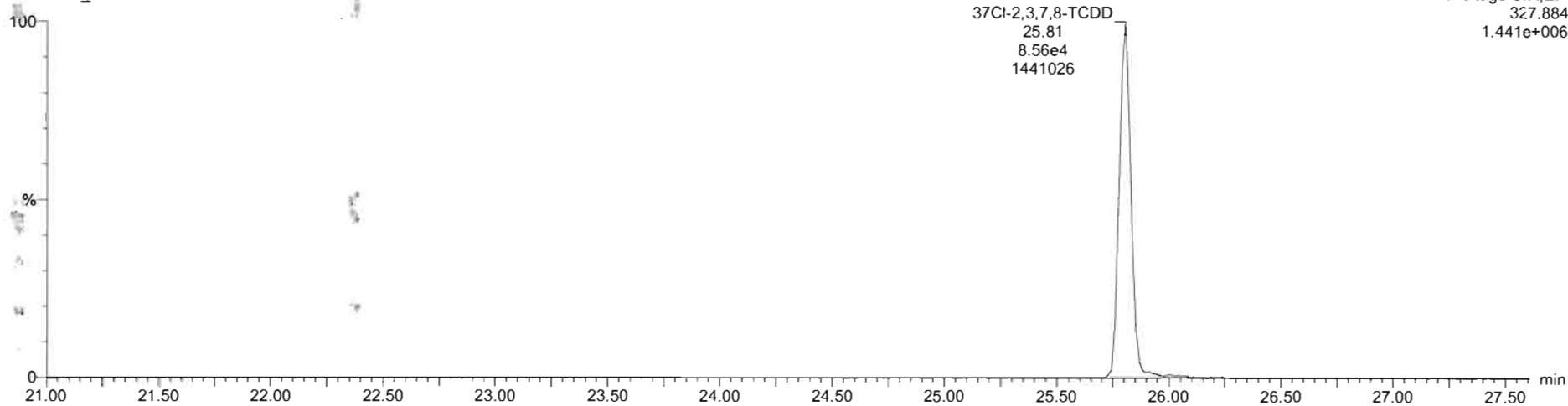
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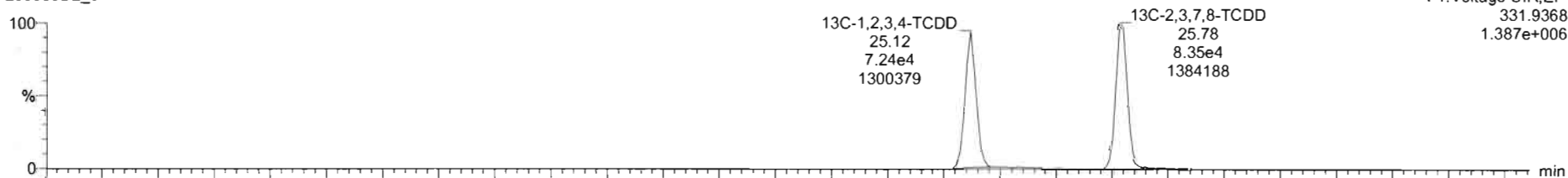
37Cl-2,3,7,8-TCDD

200930D2_5

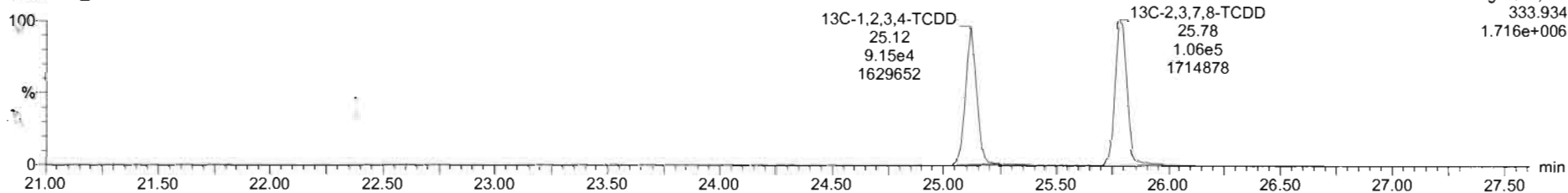


13C-1,2,3,4-TCDD

200930D2_5



200930D2_5



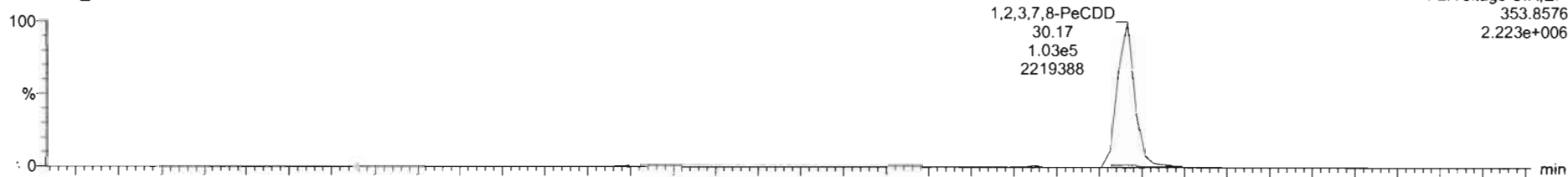
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

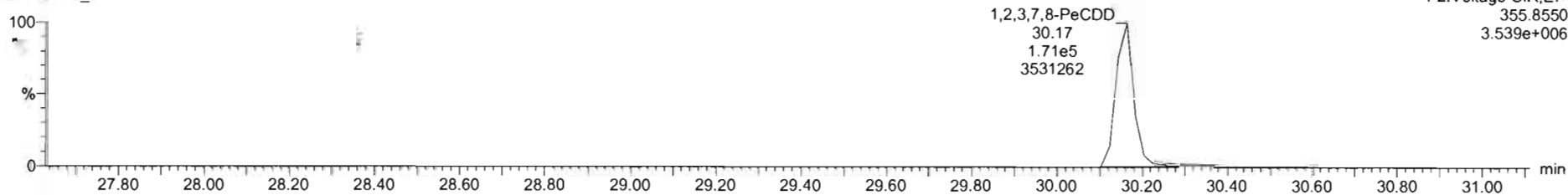
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1,2,3,7,8-PeCDD

200930D2_5

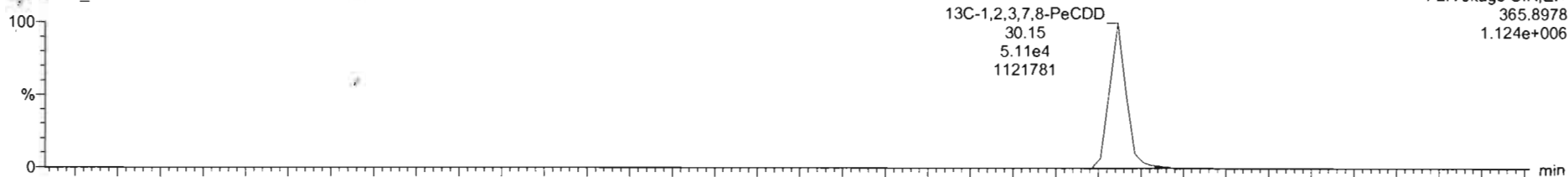


200930D2_5

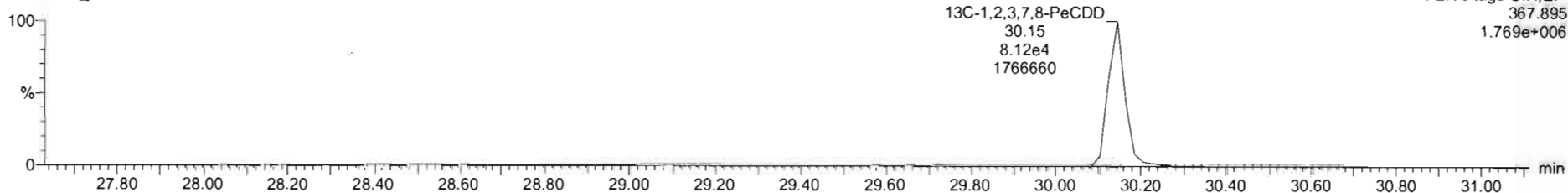


¹³C-1,2,3,7,8-PeCDD

200930D2_5



200930D2_5



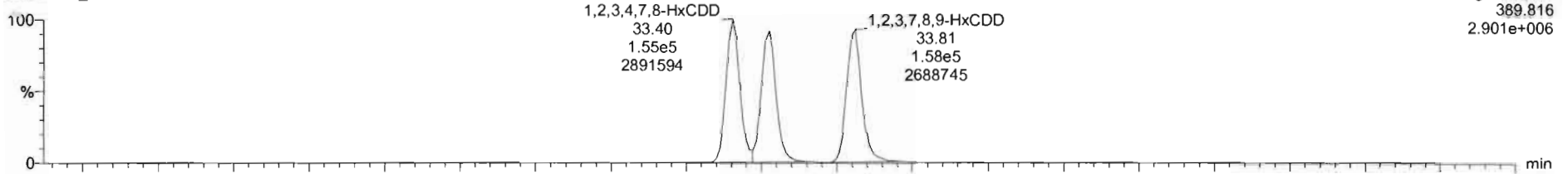
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
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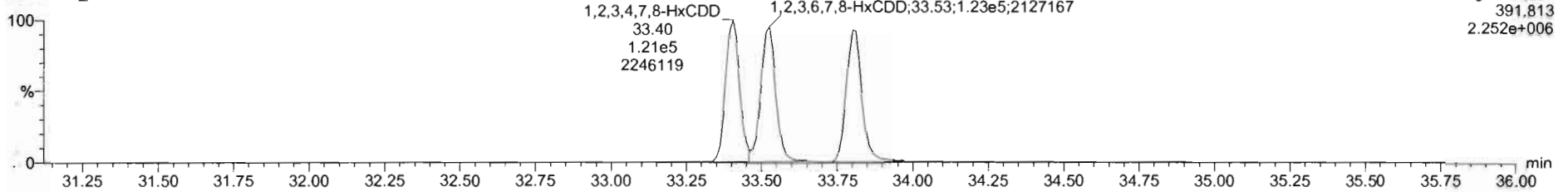
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1,2,3,4,7,8-HxCDD

200930D2_5

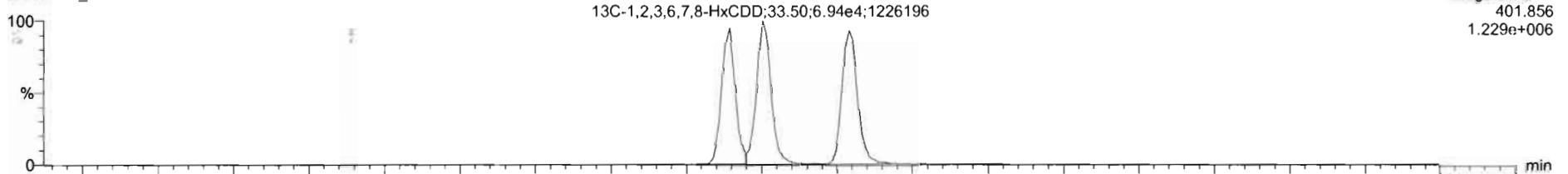


200930D2_5

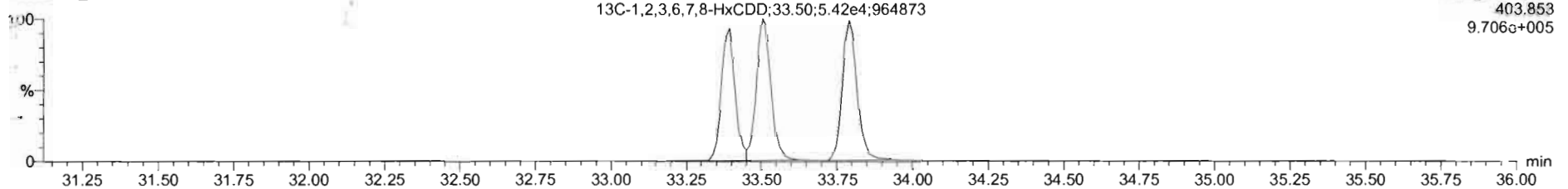


13C-1,2,3,4,7,8-HxCDD

200930D2_5



200930D2_5



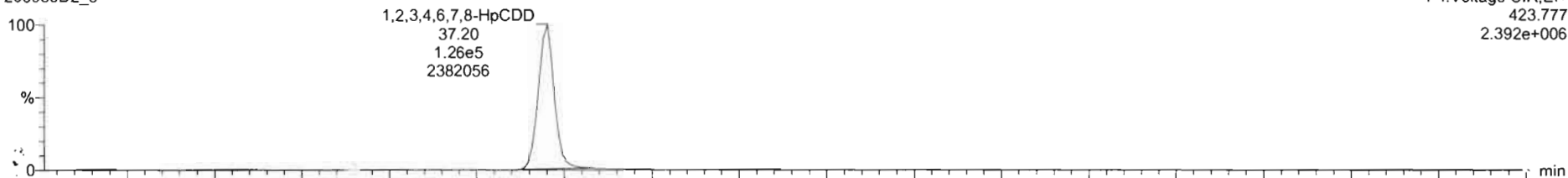
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

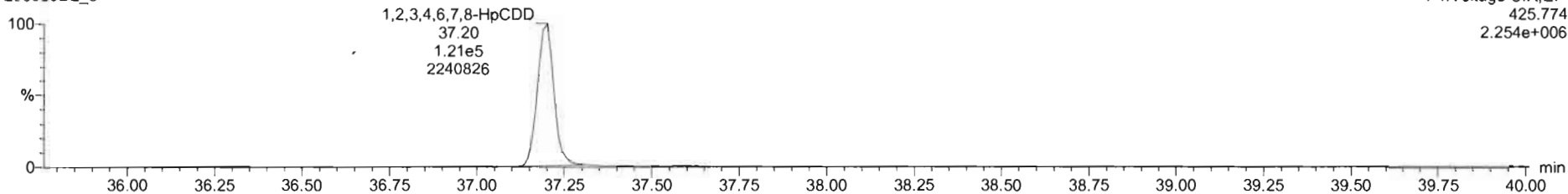
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

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

200930D2_5

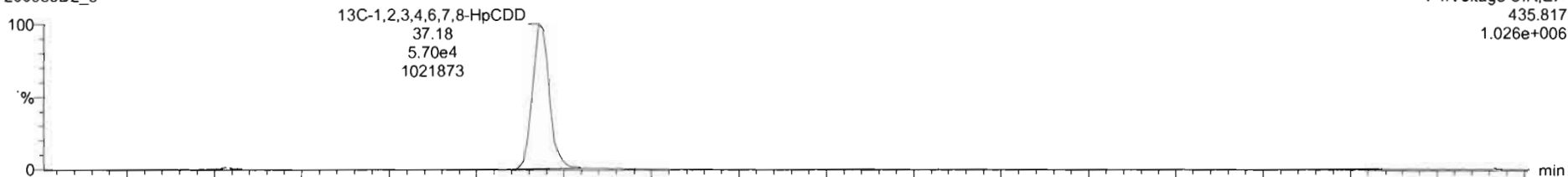


200930D2_5

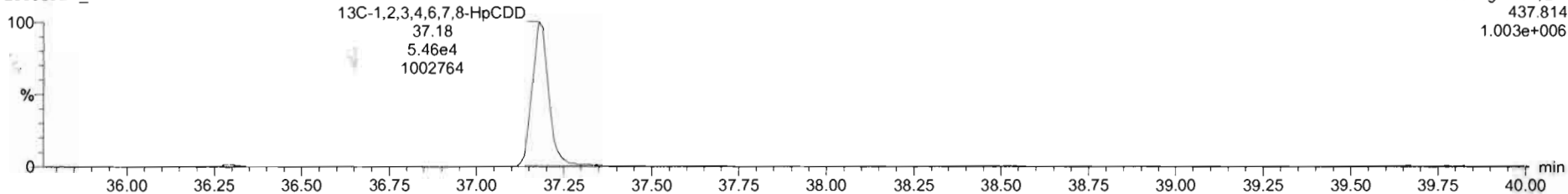


13C-1,2,3,4,6,7,8-HpCDD

200930D2_5



200930D2_5



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

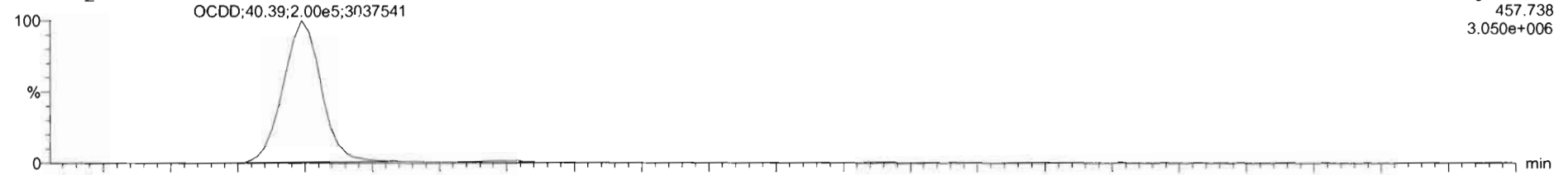
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time

Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

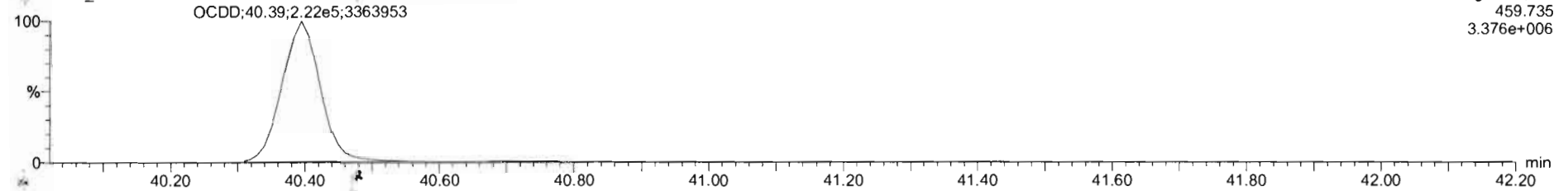
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OCDD

200930D2_5

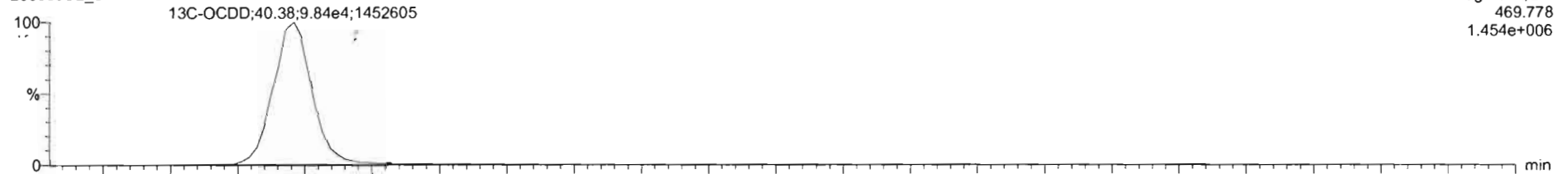


200930D2_5

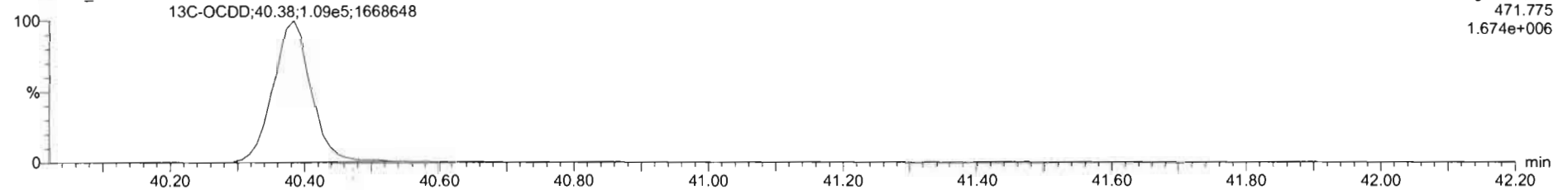


13C-OCDD

200930D2_5



200930D2_5



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

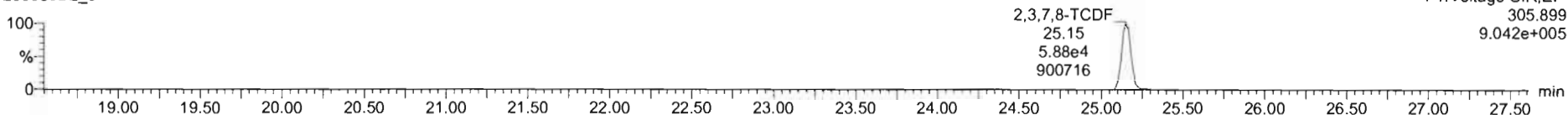
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

2,3,7,8-TCDF

200930D2_5

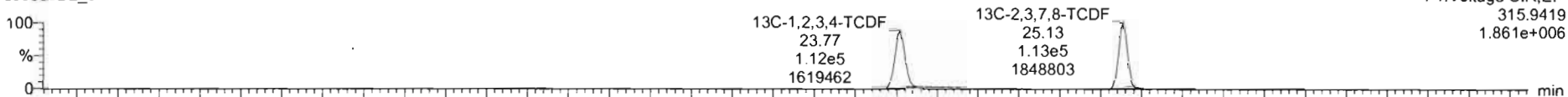


200930D2_5

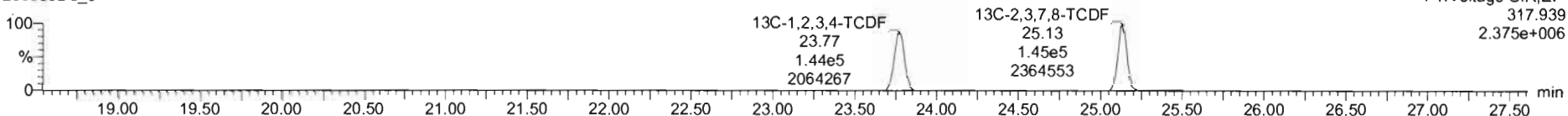


13C-2,3,7,8-TCDF

200930D2_5

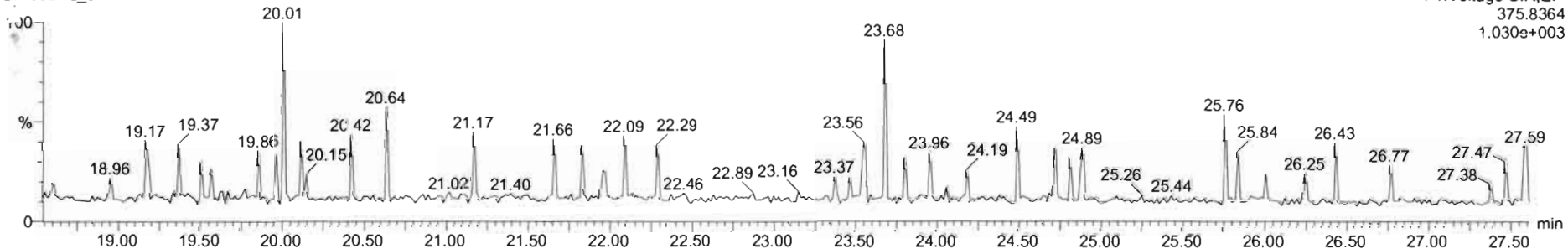


200930D2_5



DPE1

200930D2_5



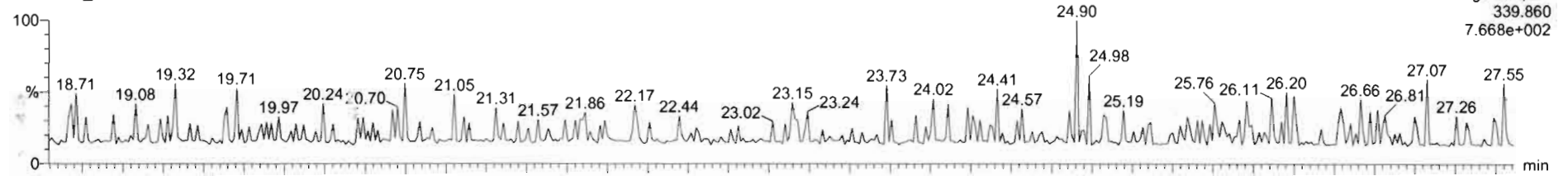
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

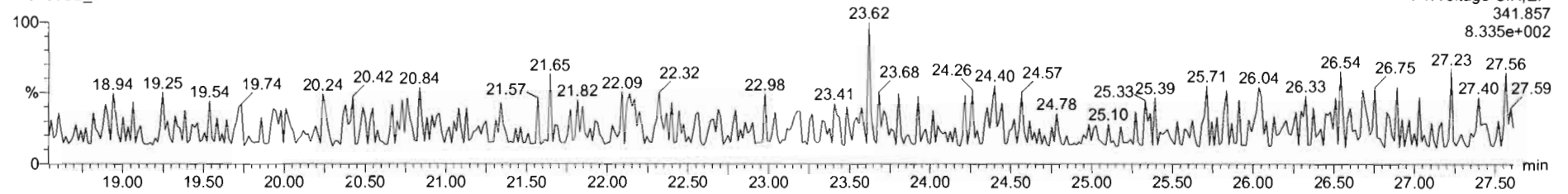
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

1st Func. Penta-Furans

200930D2_5

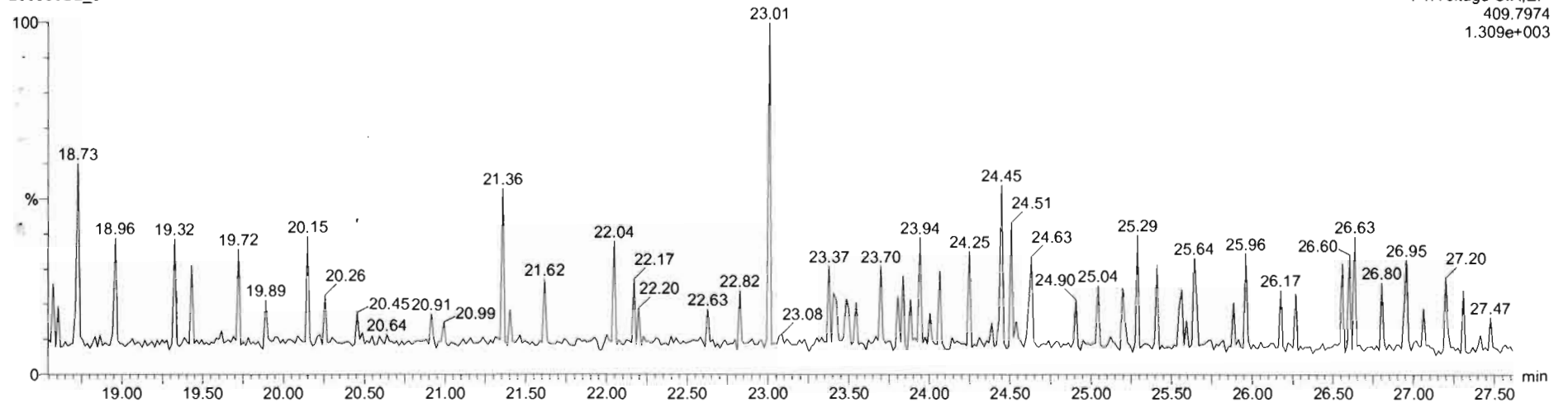


200930D2_5



DPE6

200930D2_5



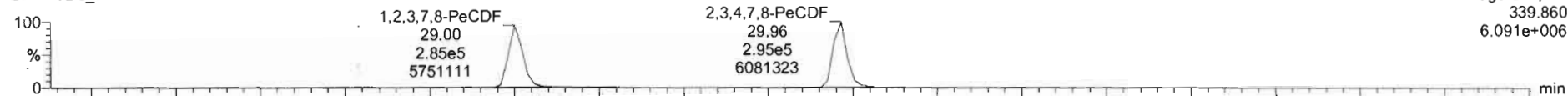
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

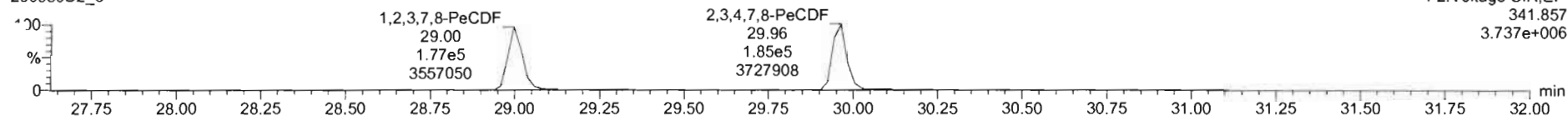
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1,2,3,7,8-PeCDF

200930D2_5

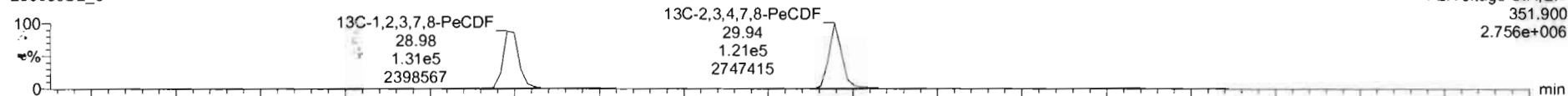


200930D2_5

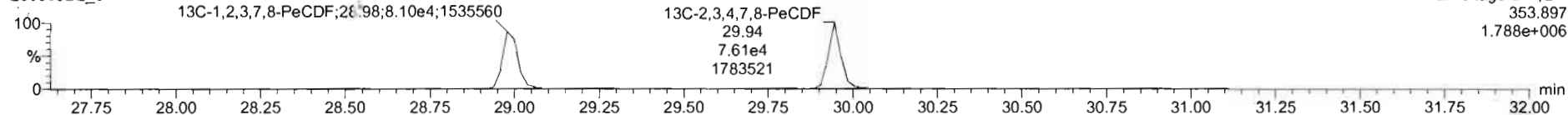


13C-1,2,3,7,8-PeCDF

200930D2_5

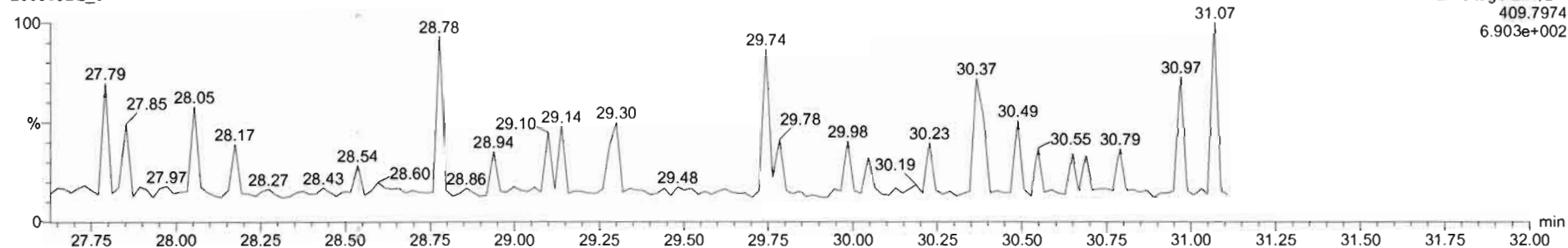


200930D2_5



DPE2

200930D2_5



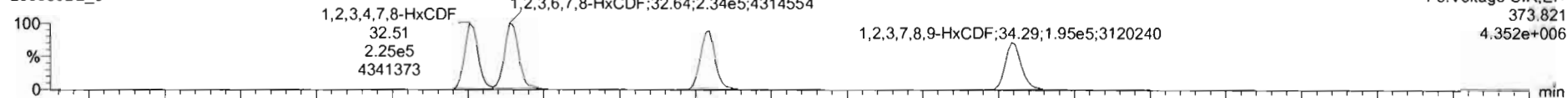
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

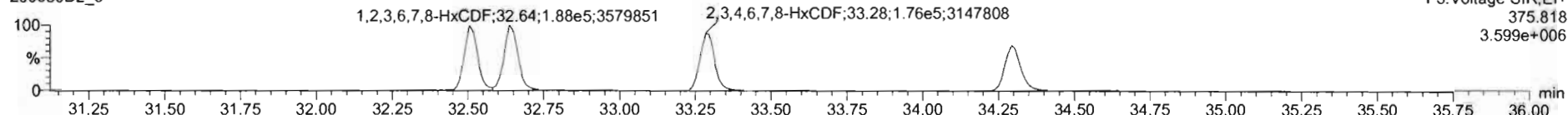
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1,2,3,4,7,8-HxCDF

200930D2_5

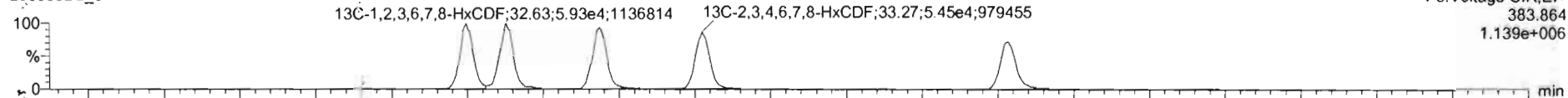


200930D2_5

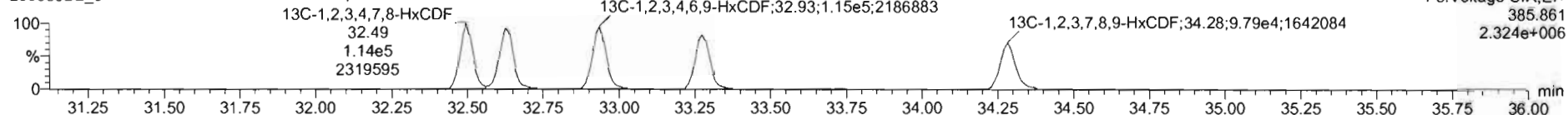


13C-1,2,3,4,7,8-HxCDF

200930D2_5

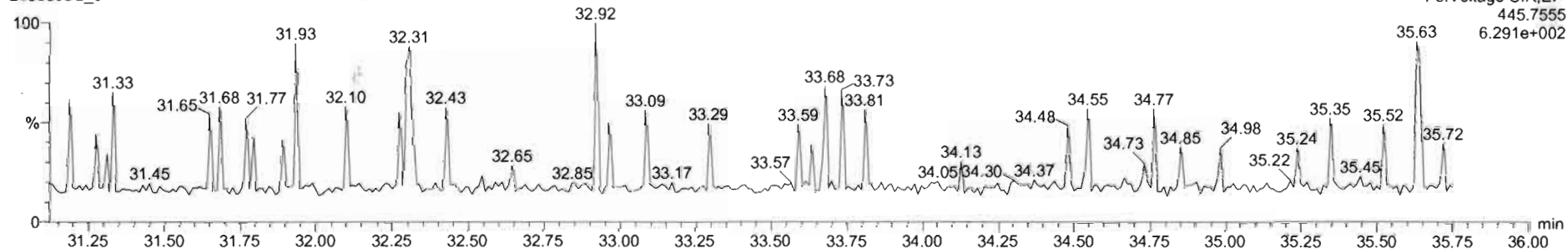


200930D2_5



DPE3

200930D2_5

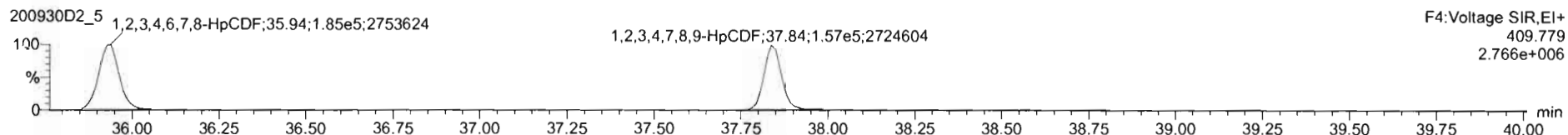
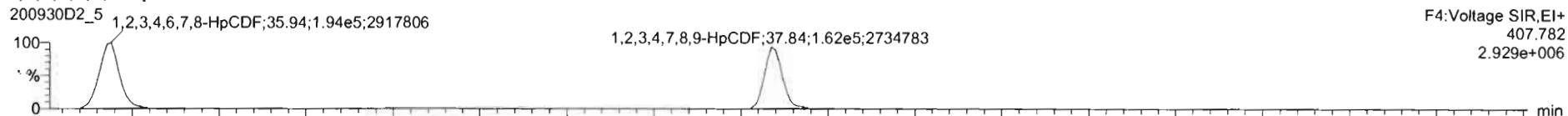


Dataset: U:\VG7.PRO\Results\2.00930D2\200930D2_CRV.qld

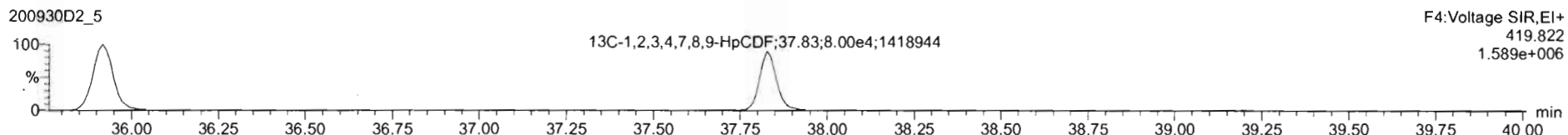
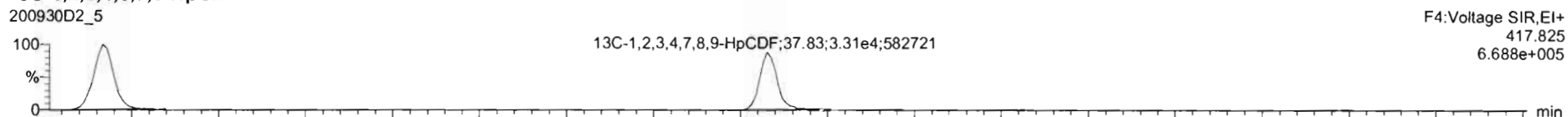
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

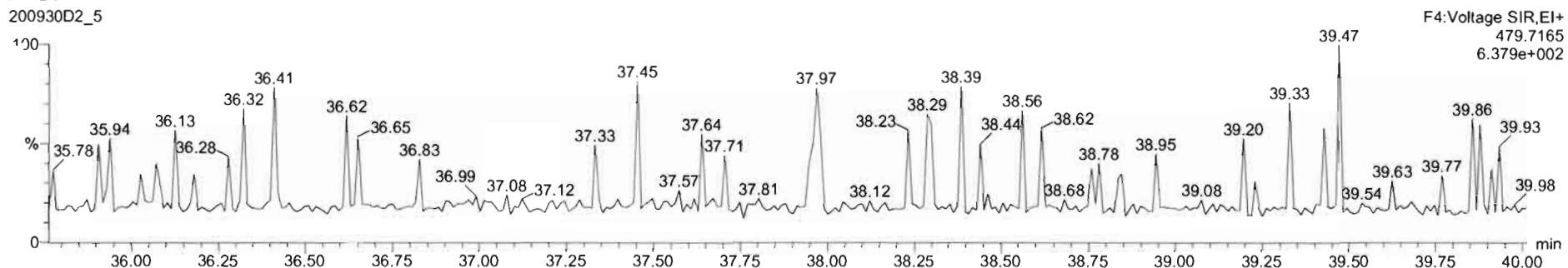
1,2,3,4,6,7,8-HpCDF



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



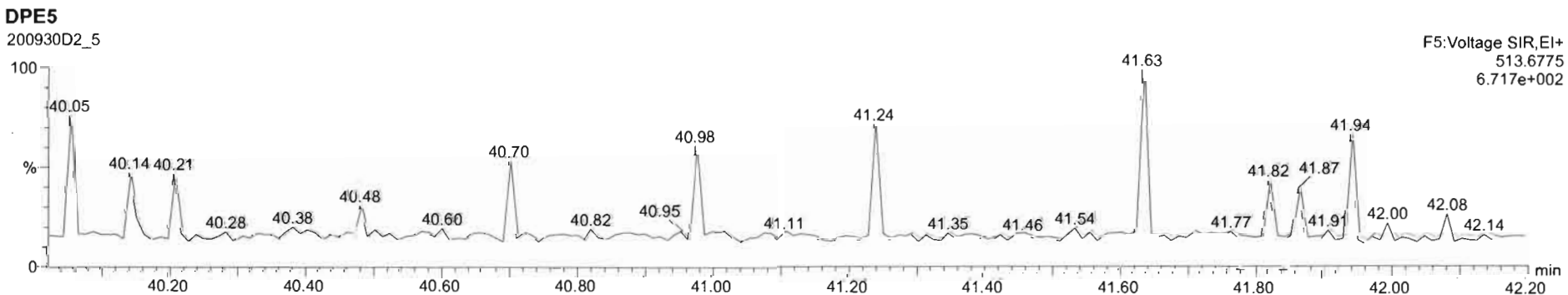
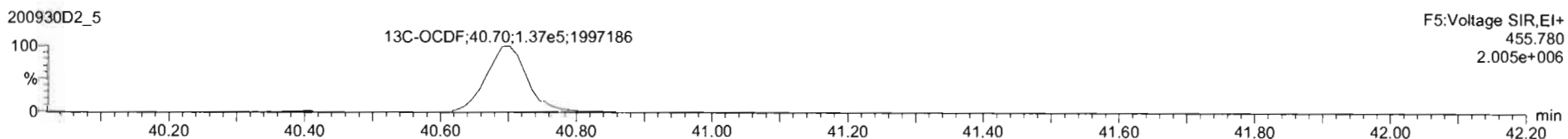
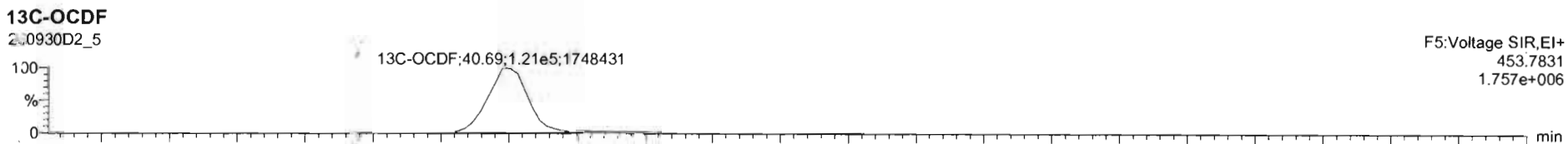
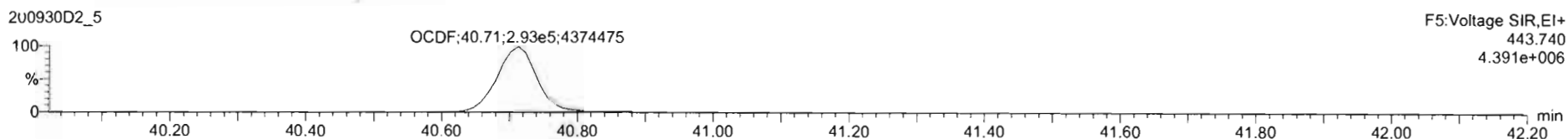
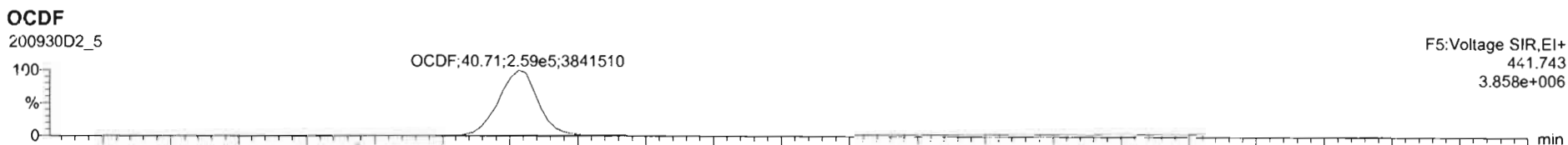
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

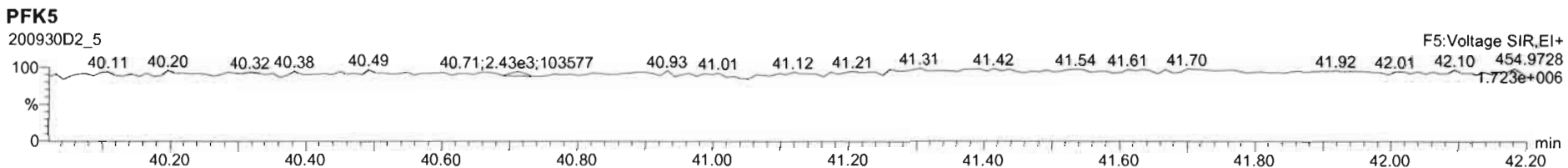
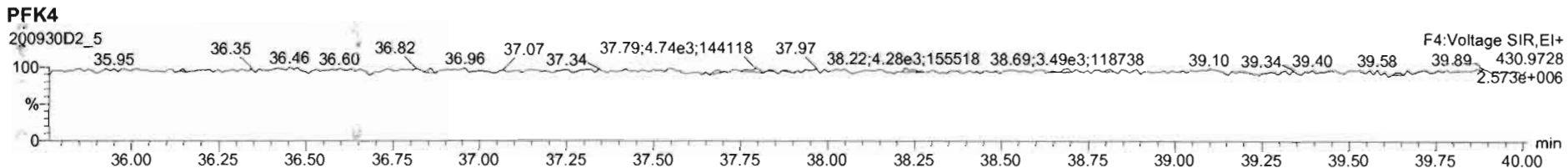
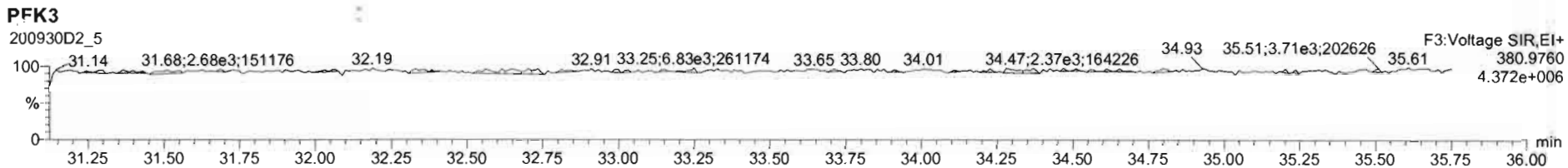
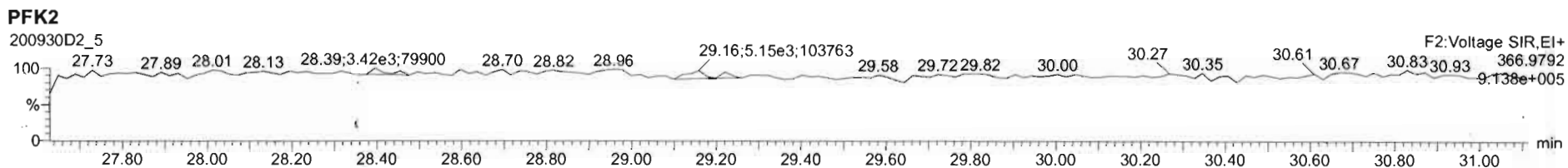
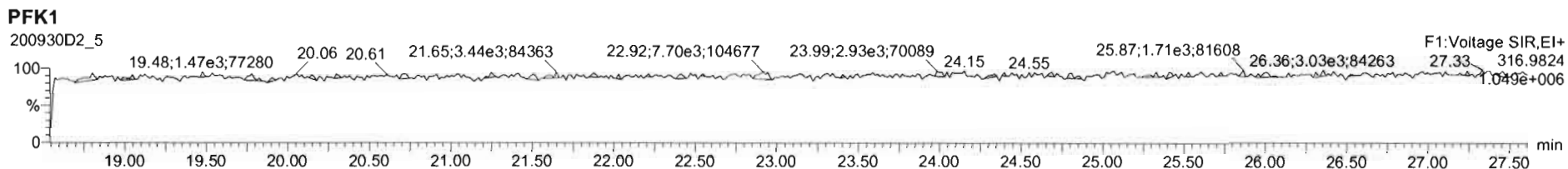
Name: 200930D2_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
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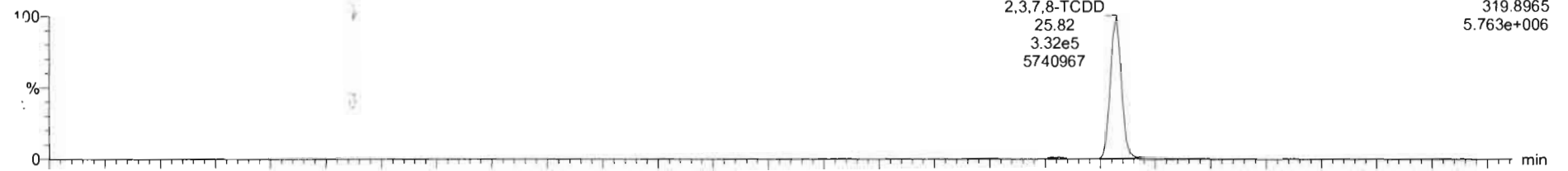
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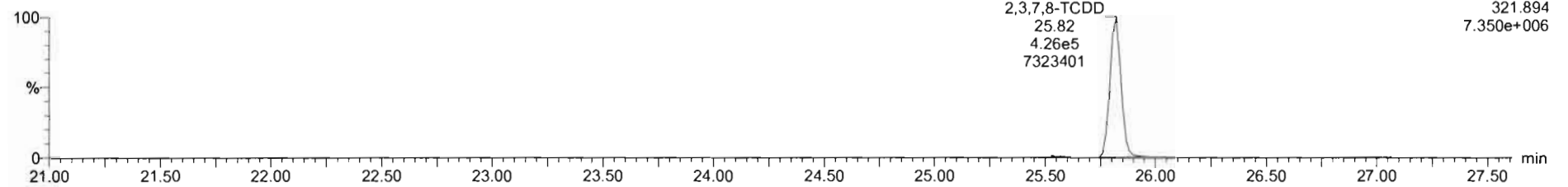
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2,3,7,8-TCDD

200930D2_6

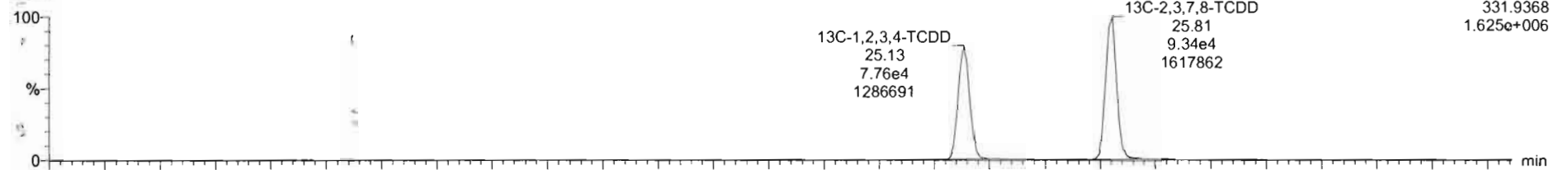


200930D2_6

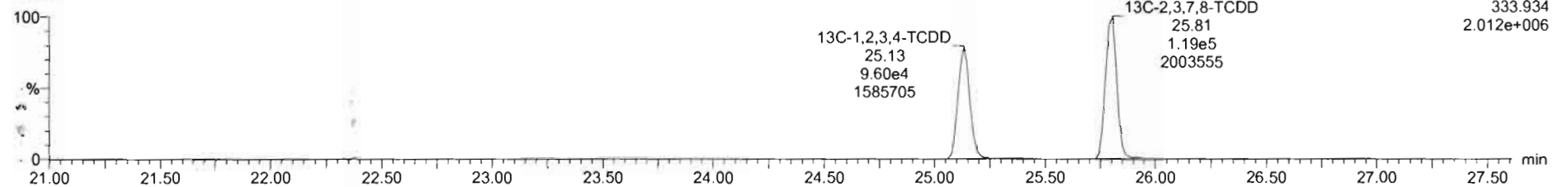


13C-2,3,7,8-TCDD

200930D2_6



200930D2_6

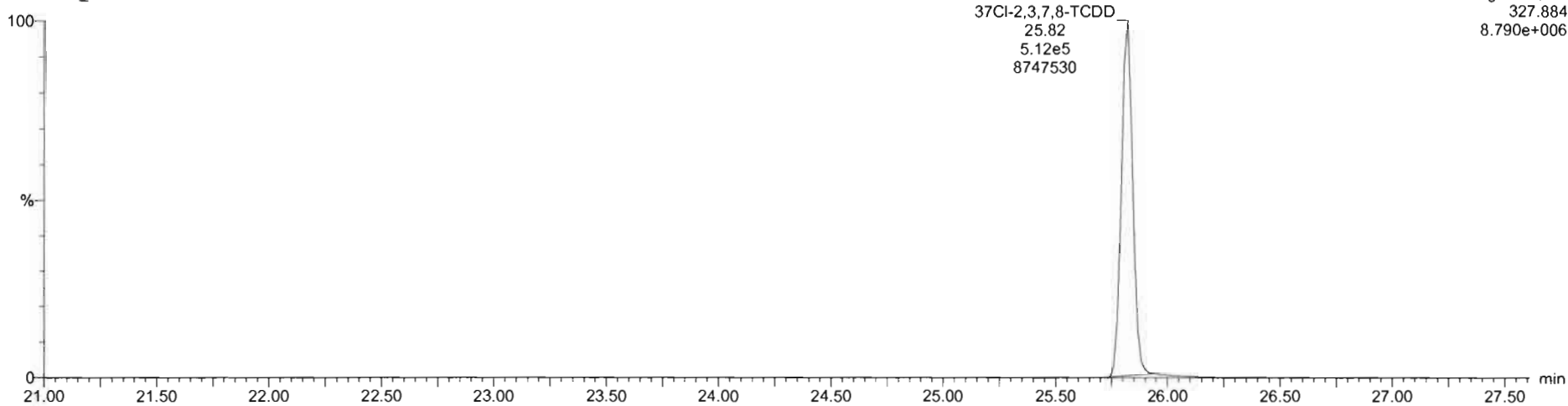


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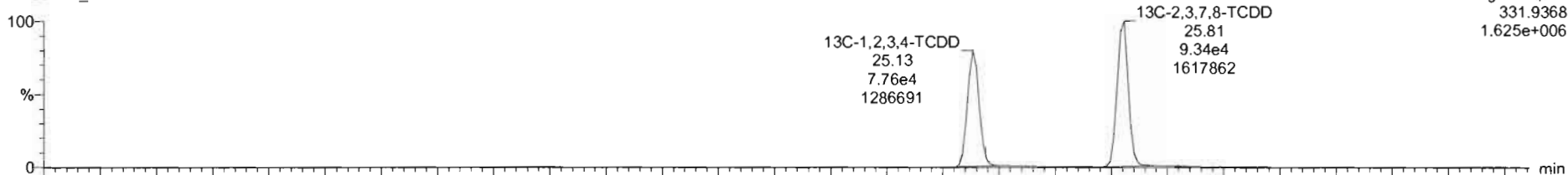
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

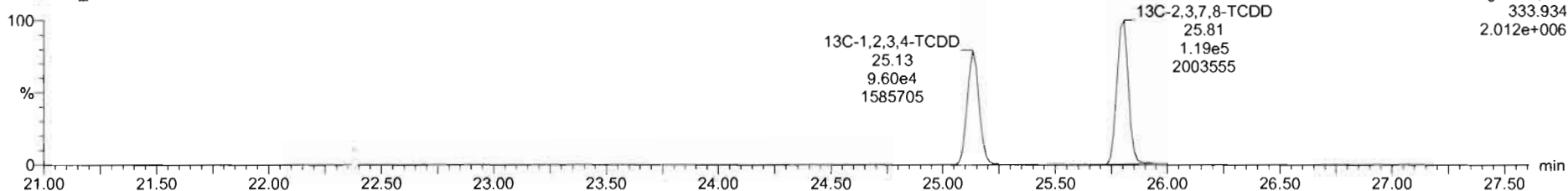
³⁷Cl-2,3,7,8-TCDD
200930D2_6



¹³C-1,2,3,4-TCDD
200930D2_6



200930D2_6



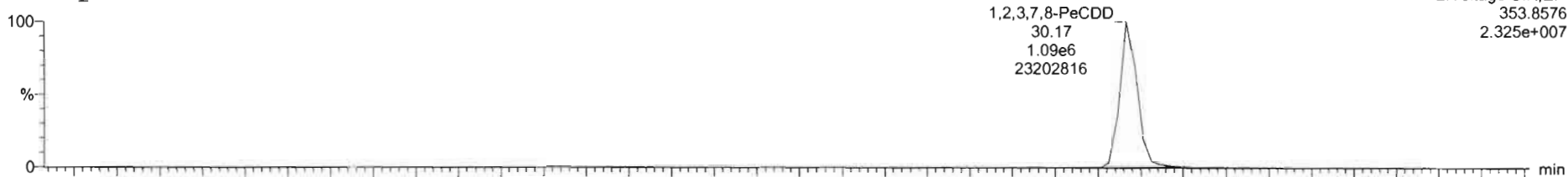
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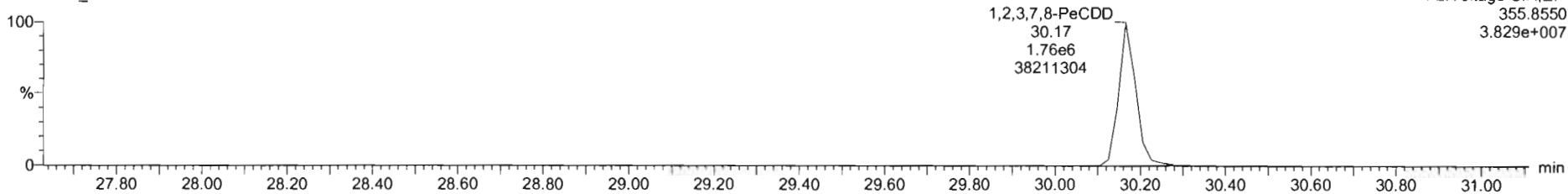
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1,2,3,7,8-PeCDD

200930D2_6

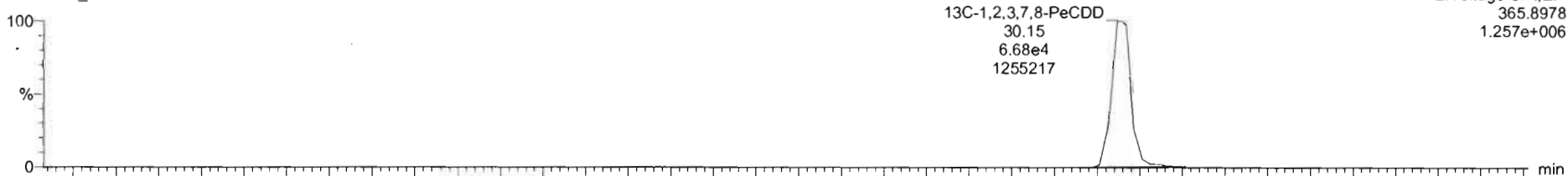


200930D2_6

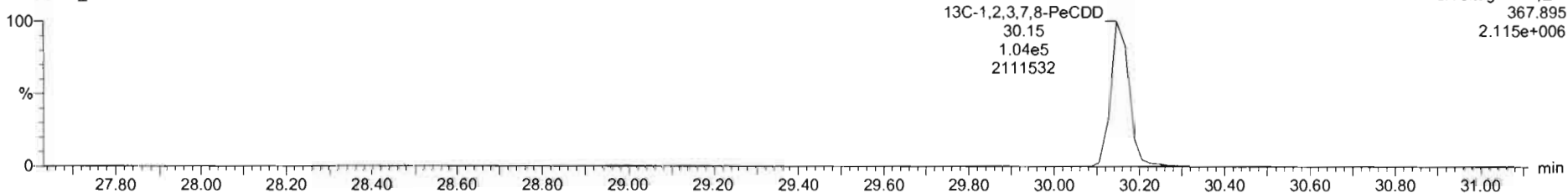


13C-1,2,3,7,8-PeCDD

200930D2_6



200930D2_6



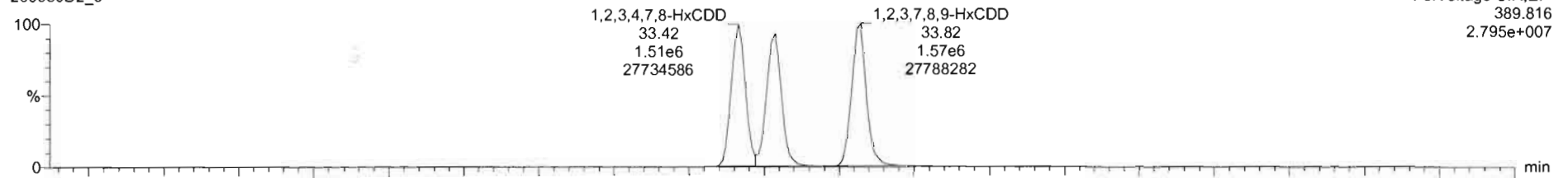
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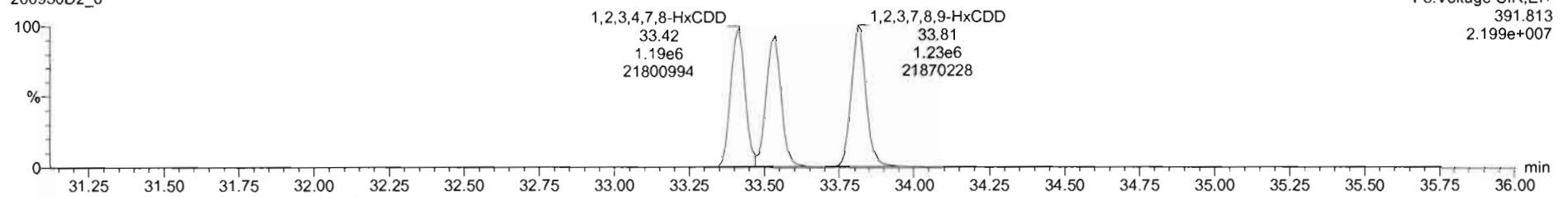
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1,2,3,4,7,8-HxCDD

200930D2_6

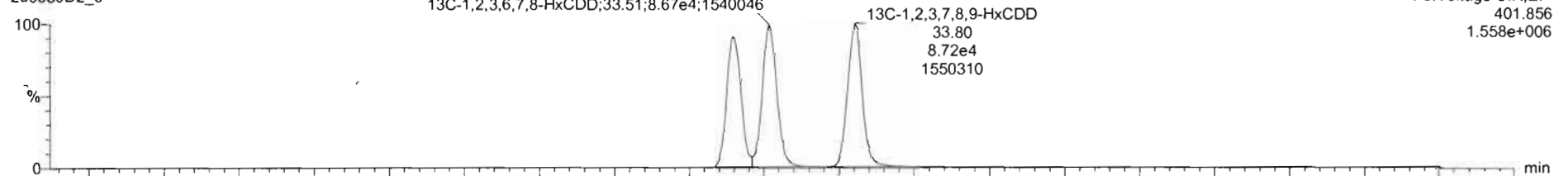


200930D2_6

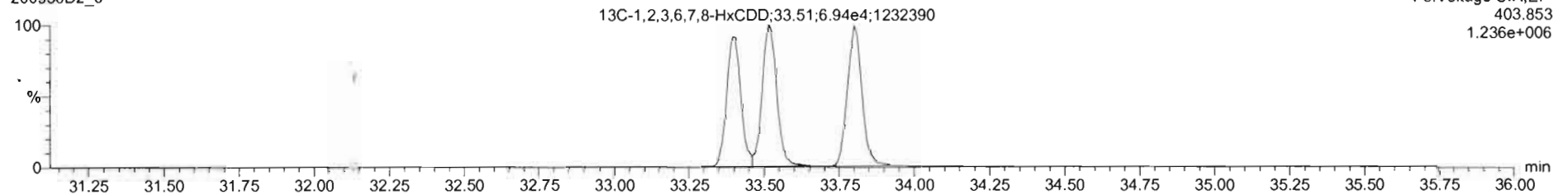


13C-1,2,3,4,7,8-HxCDD

200930D2_6



200930D2_6



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

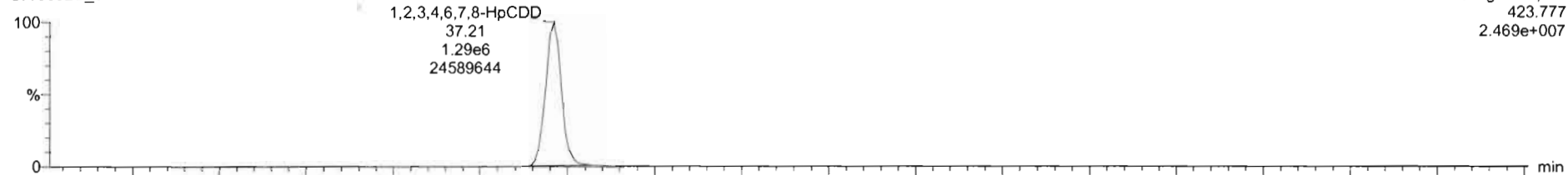
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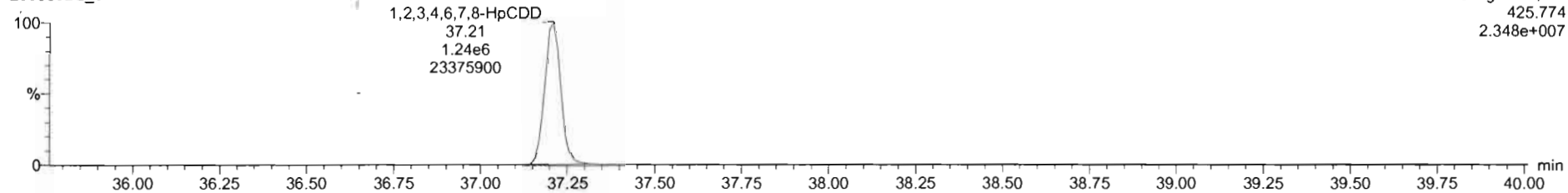
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1,2,3,4,6,7,8-HpCDD

200930D2_6

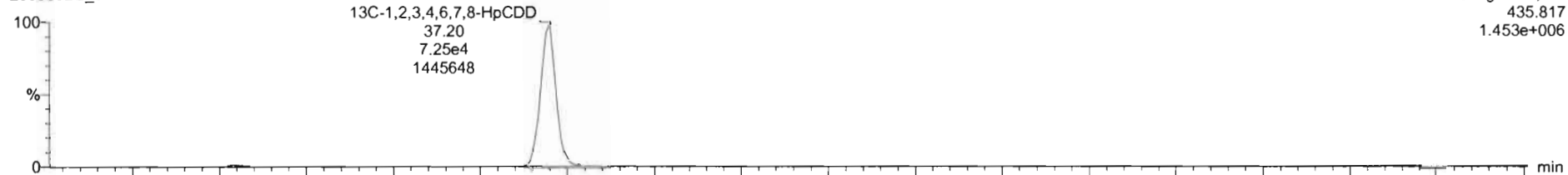


200930D2_6

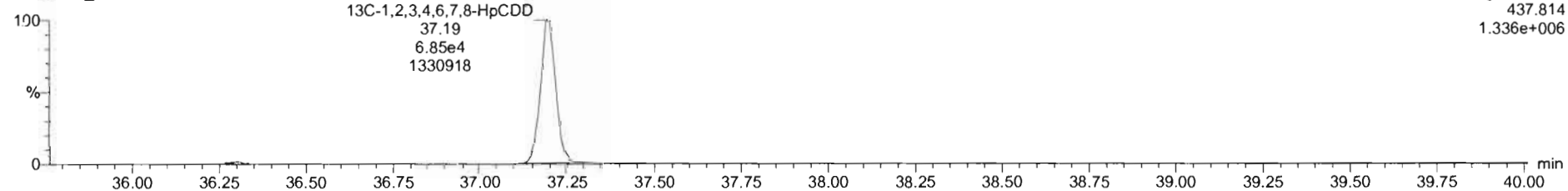


13C-1,2,3,4,6,7,8-HpCDD

200930D2_6



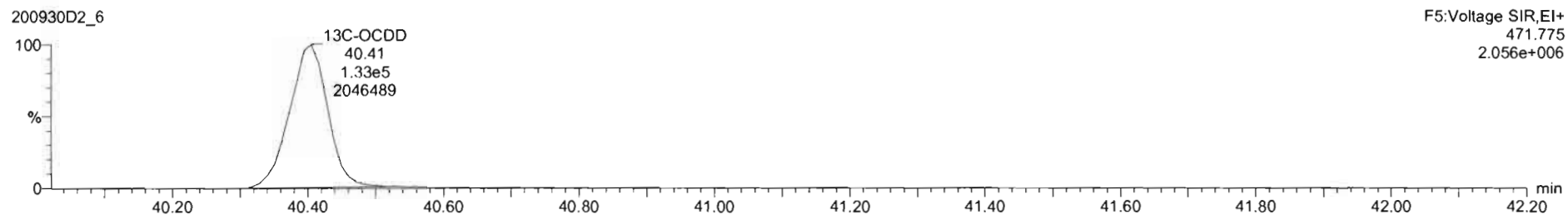
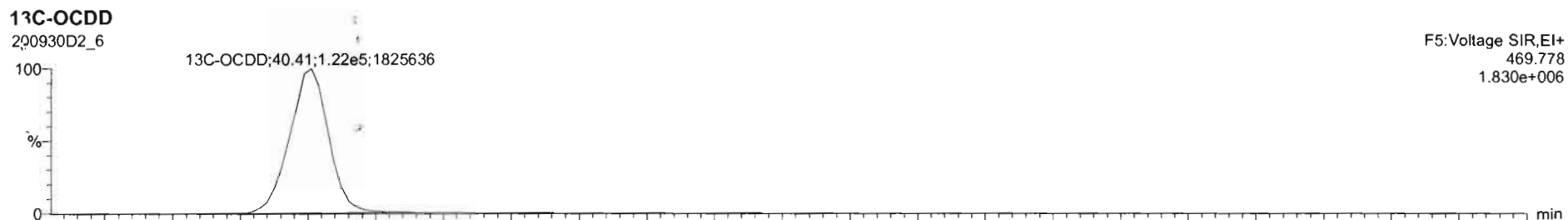
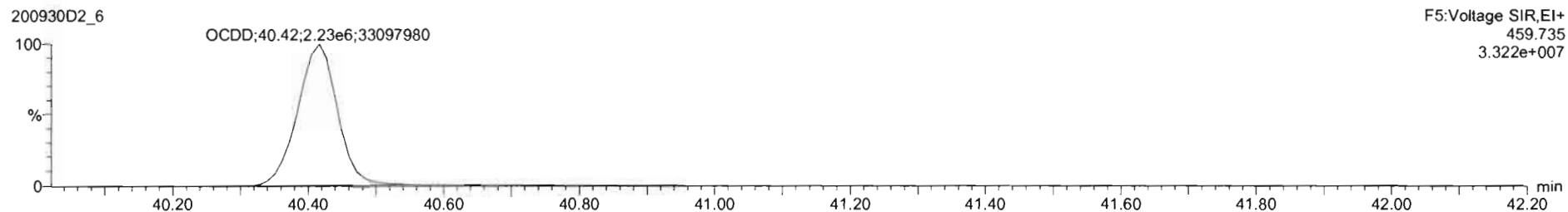
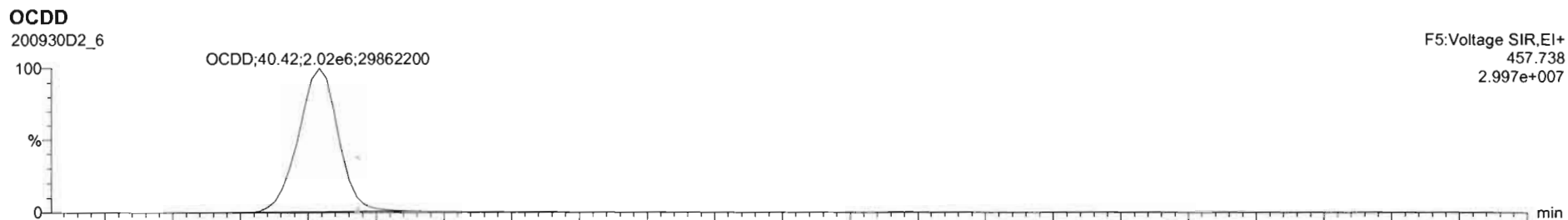
200930D2_6



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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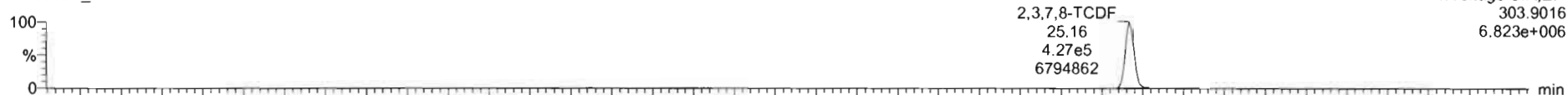
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

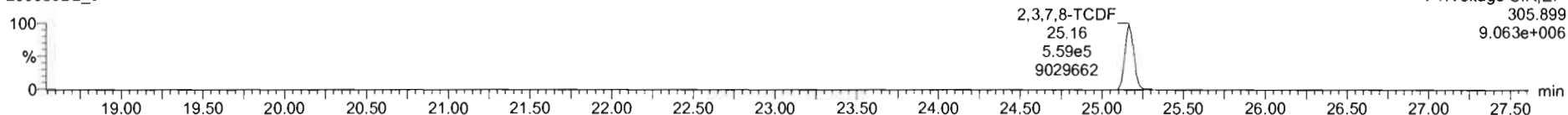
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2,3,7,8-TCDF

200930D2_6

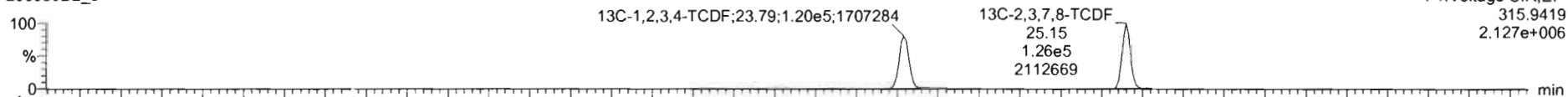


200930D2_6

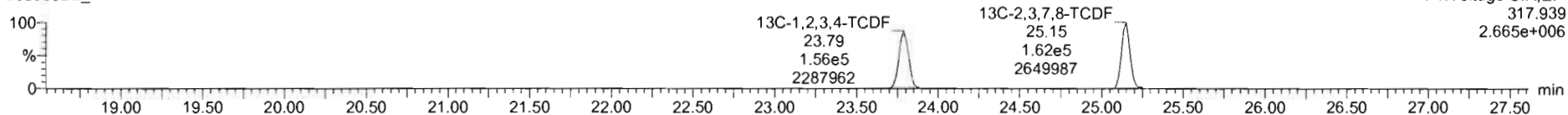


13C-2,3,7,8-TCDF

200930D2_6

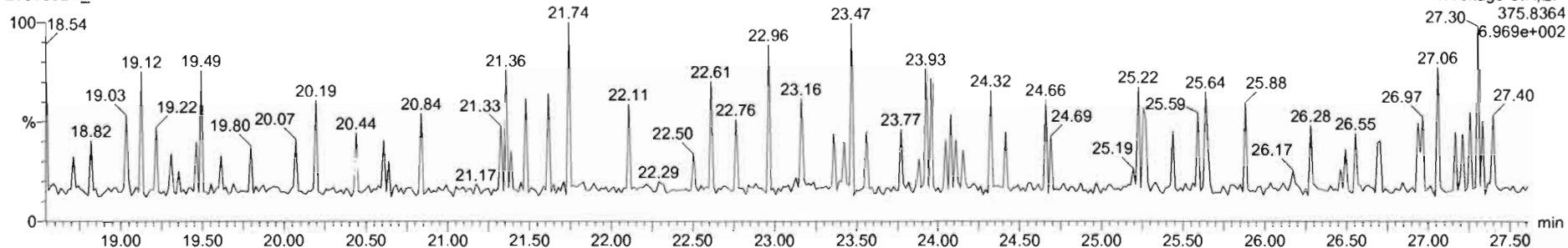


200930D2_6



DPE1

200930D2_6

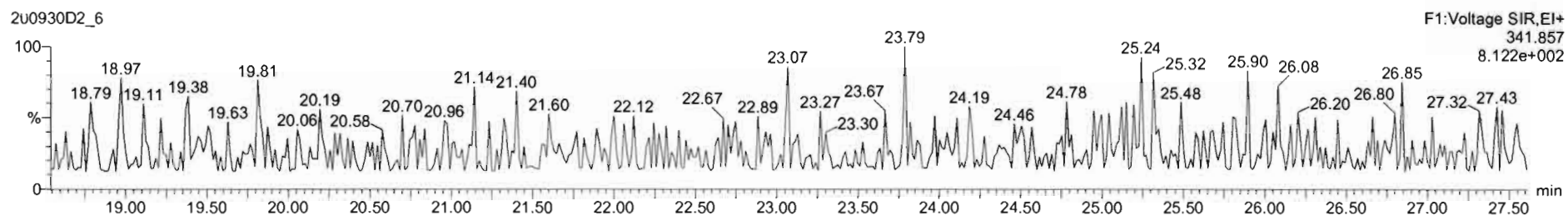
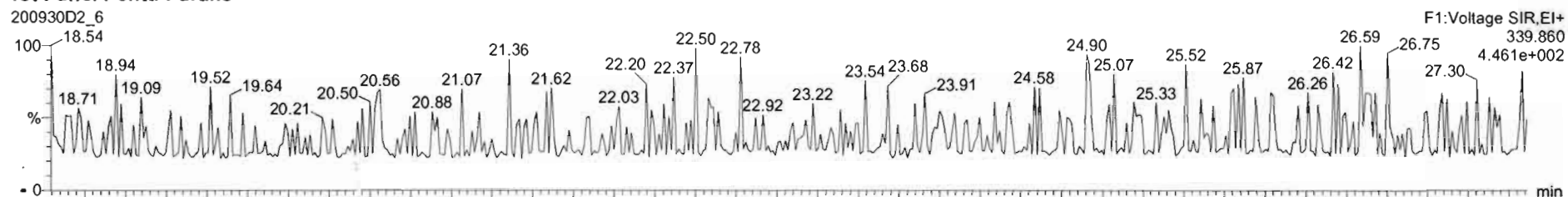


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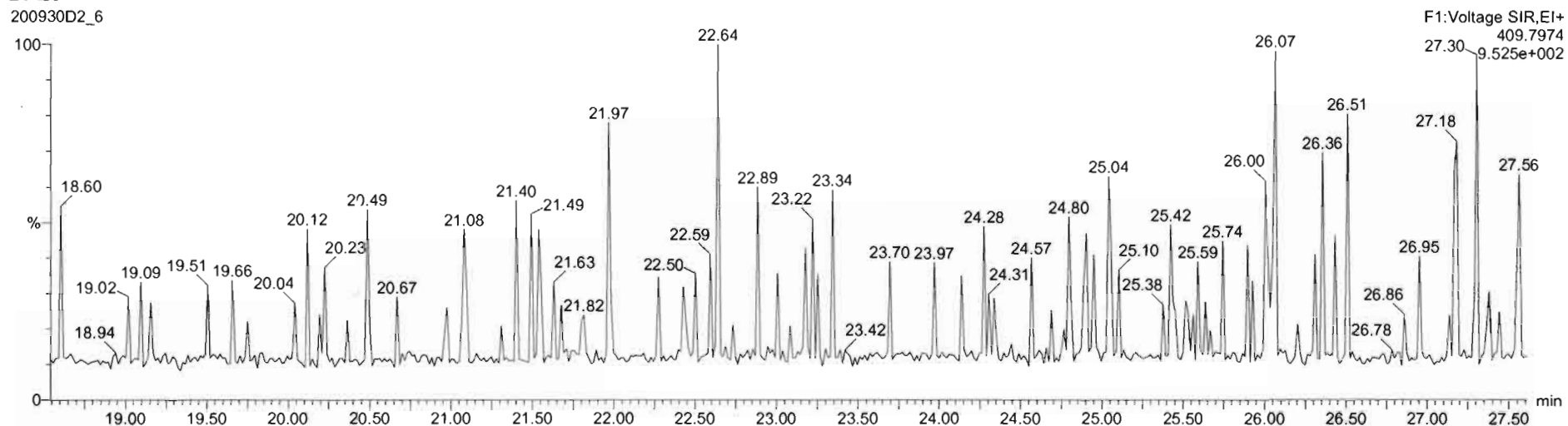
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

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DPE6



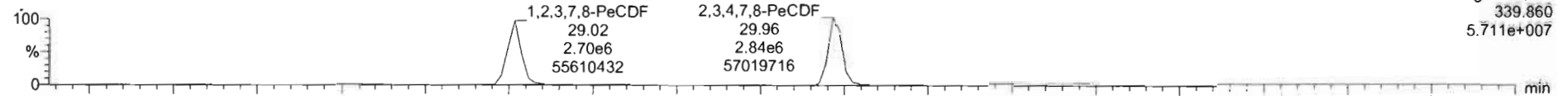
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

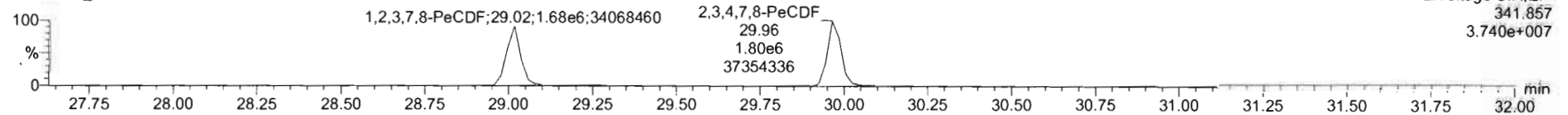
Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

1,2,3,7,8-PeCDF

200930D2_6

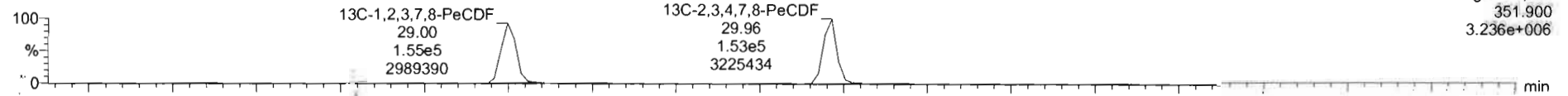


200930D2_6

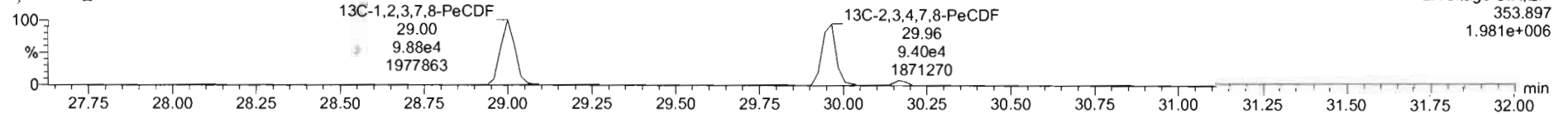


13C-1,2,3,7,8-PeCDF

200930D2_6

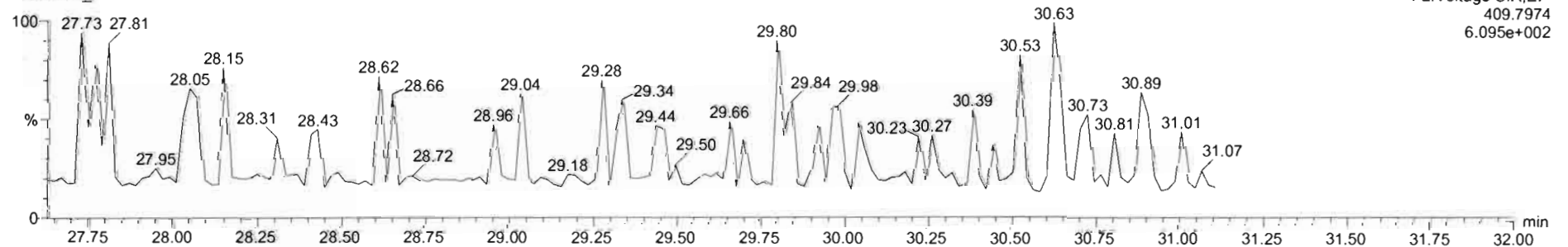


200930D2_6



DPE2

200930D2_6



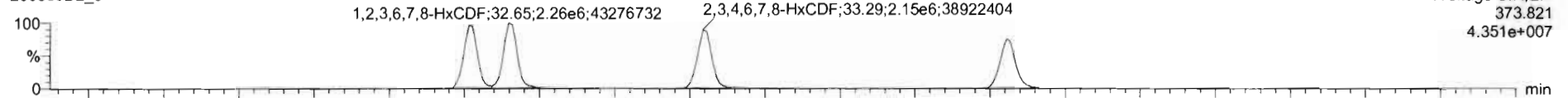
Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

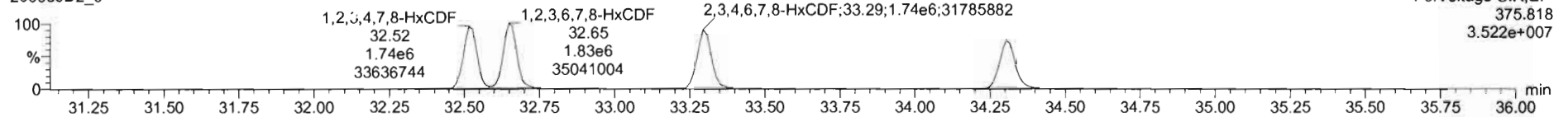
1,2,3,4,7,8-HxCDF

200930D2_6



F3: Voltage SIR, EI+
373.821
4.351e+007

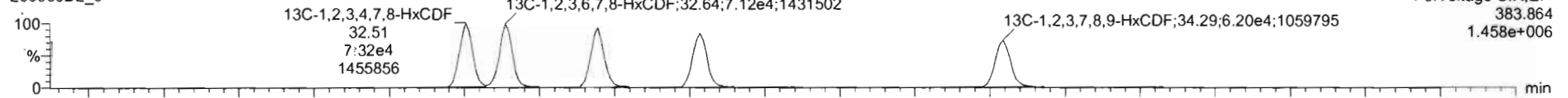
200930D2_6



F3: Voltage SIR, EI+
375.818
3.522e+007

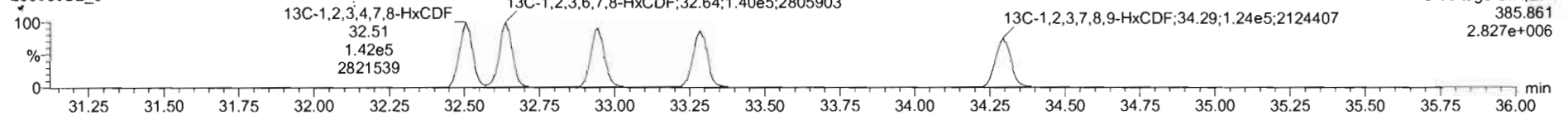
13C-1,2,3,4,7,8-HxCDF

200930D2_6



F3: Voltage SIR, EI+
383.864
1.458e+006

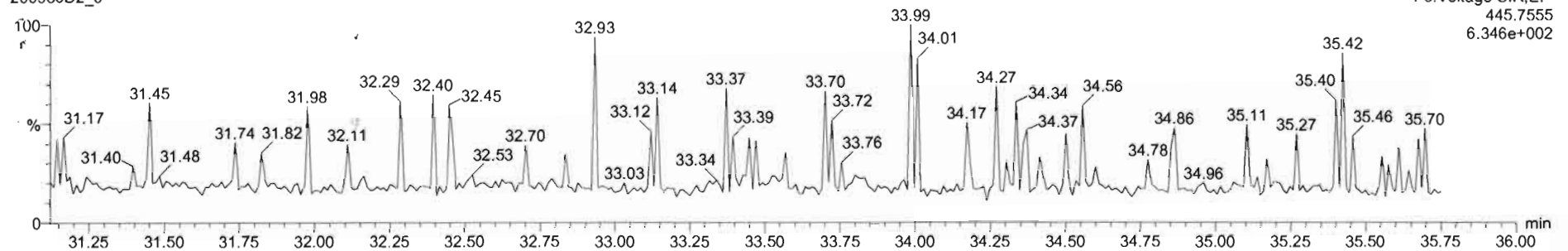
200930D2_6



F3: Voltage SIR, EI+
385.861
2.827e+006

DPE3

200930D2_6



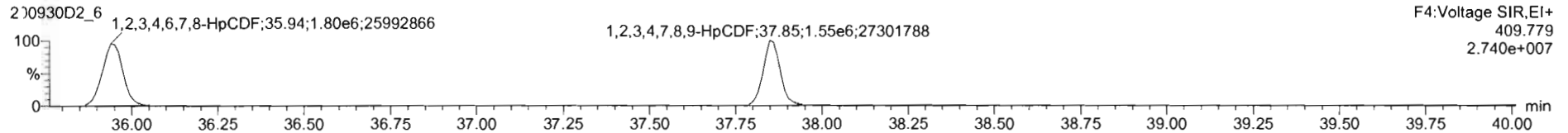
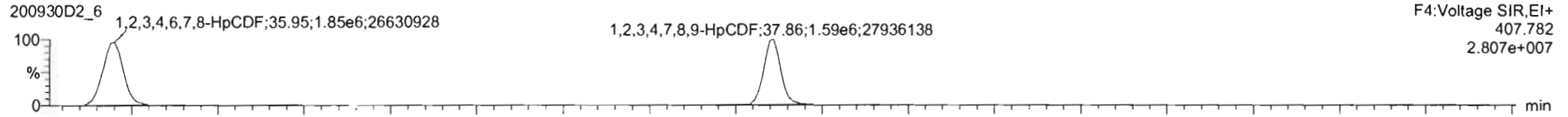
F3: Voltage SIR, EI+
445.7555
6.346e+002

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

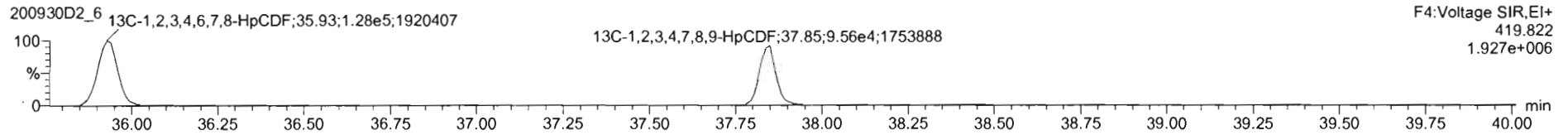
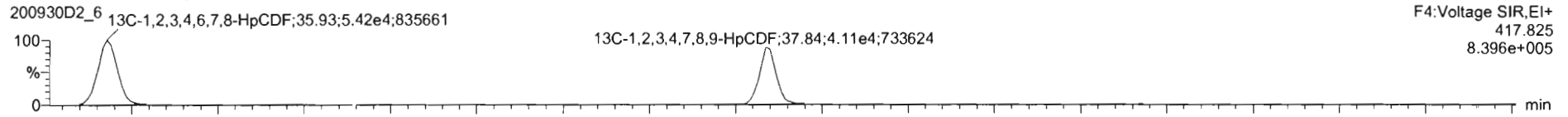
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

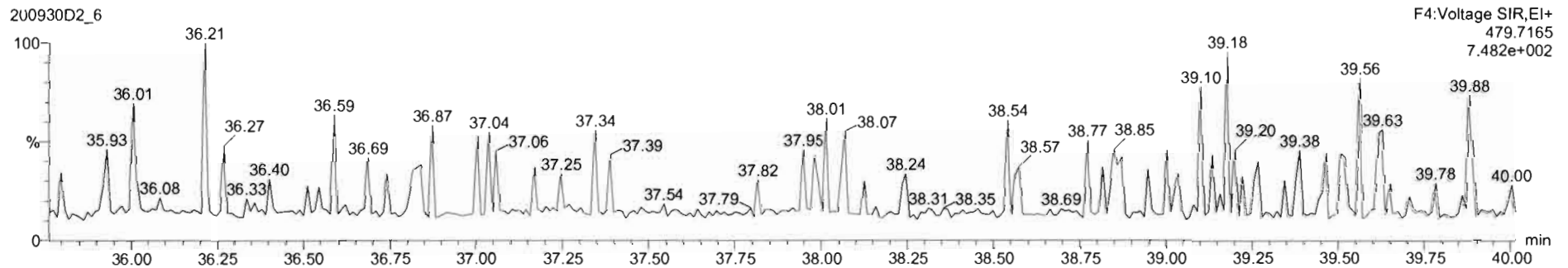
1,2,3,4,6,7,8-HpCDF



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



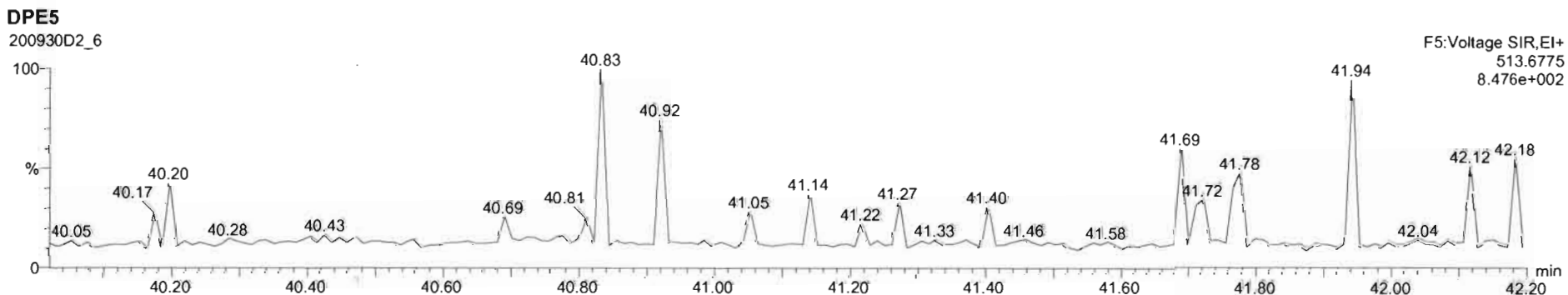
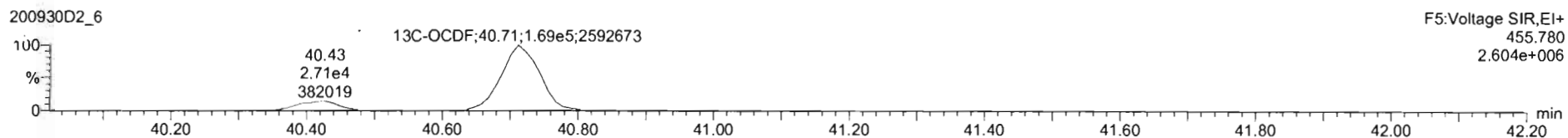
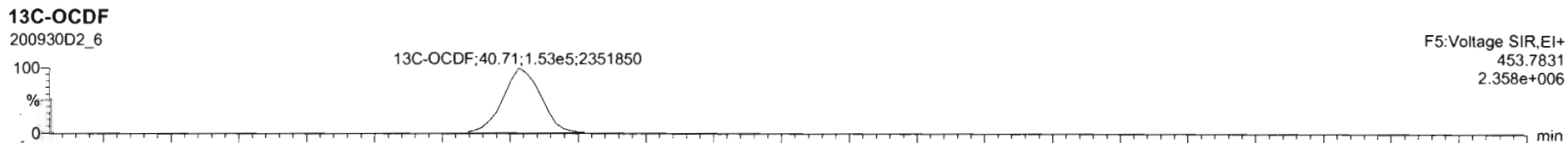
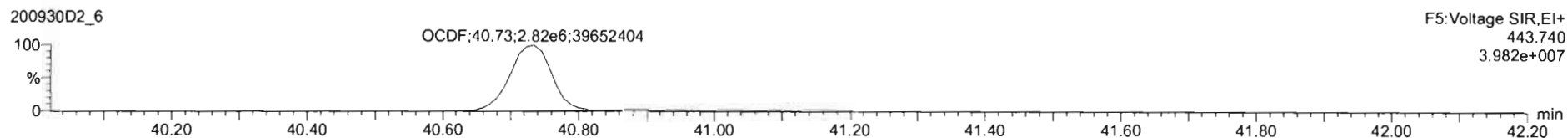
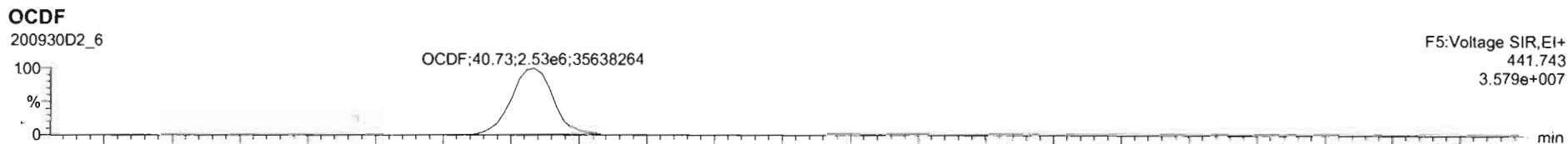
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

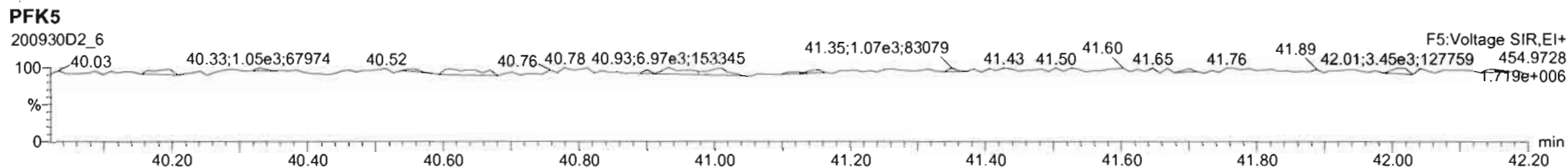
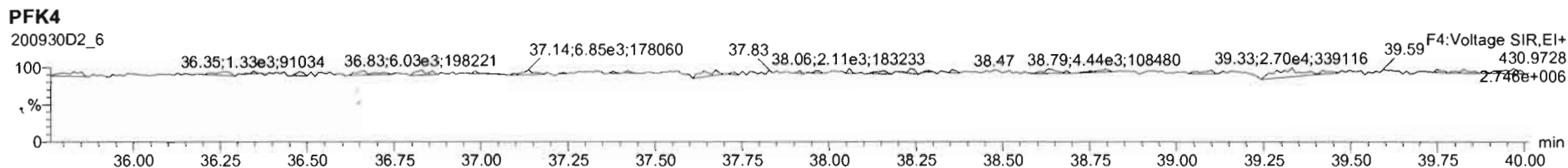
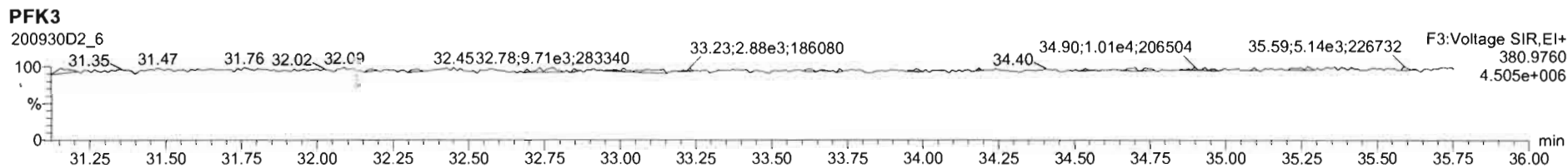
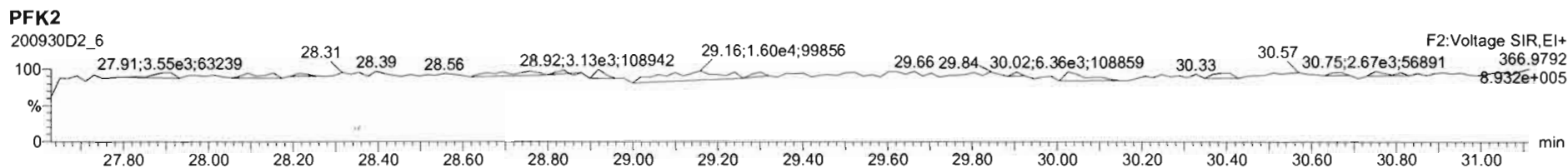
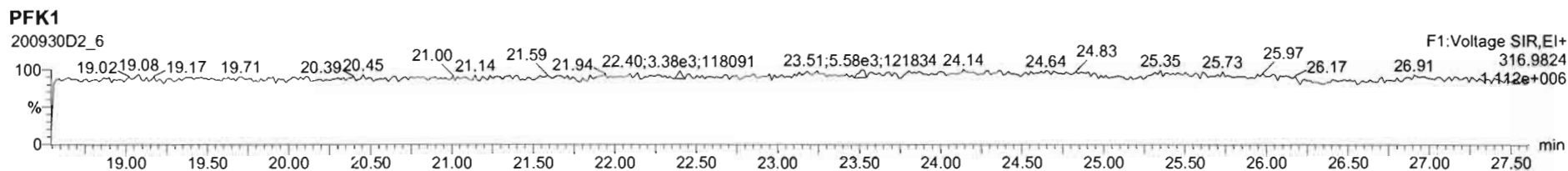


Dataset: U:\VG7.PRO\Results\200930D2\200930D2_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time

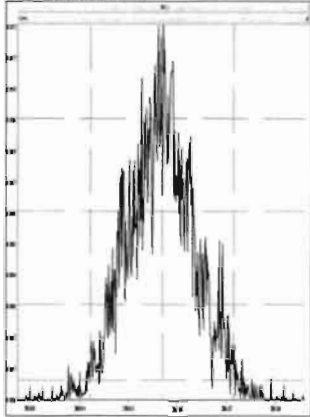
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

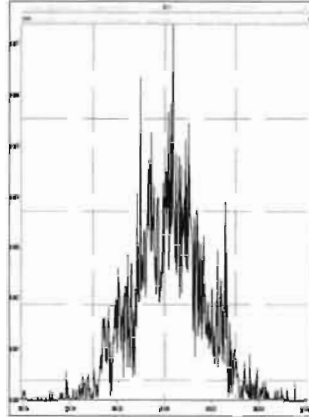


Printed: Thursday, October 01, 2020 02:40:50 Pacific Daylight Time

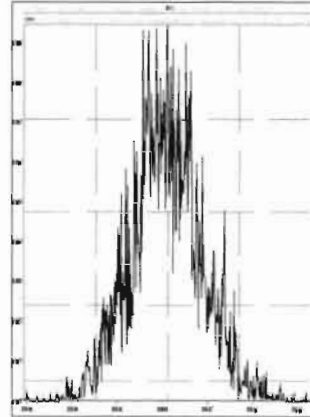
M 292.9824 R 11712



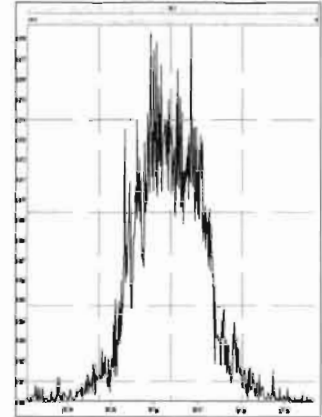
M 304.9824 R 12641



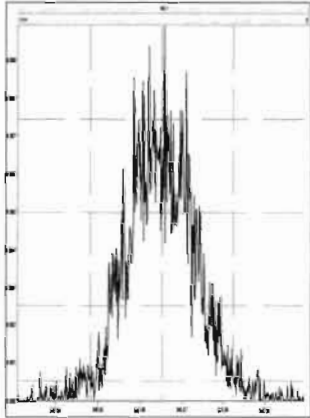
M 318.9792 R 10443



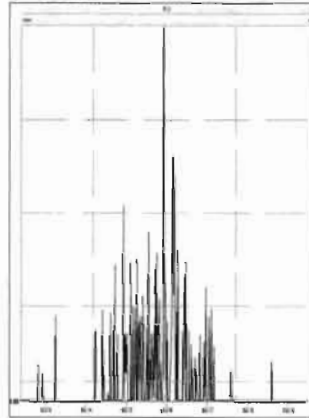
M 330.9792 R 10560



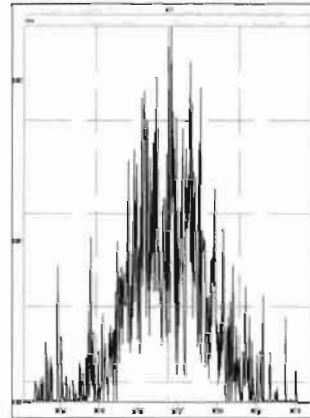
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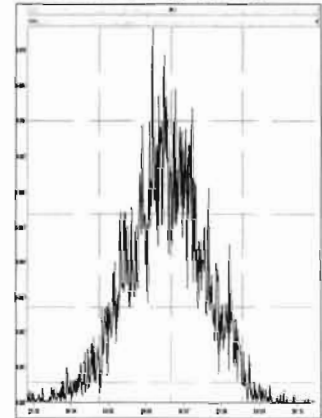
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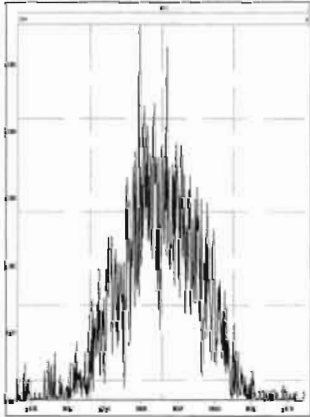
M 366.9792 R 14783



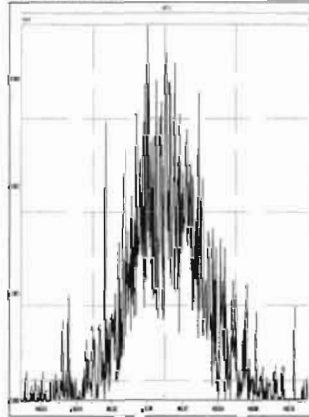
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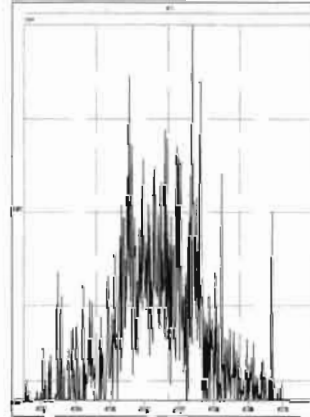
M 392.9760 R 11470



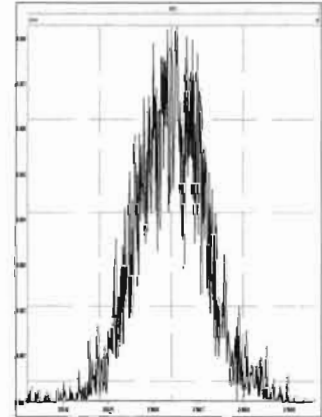
M 404.9760 R 13416



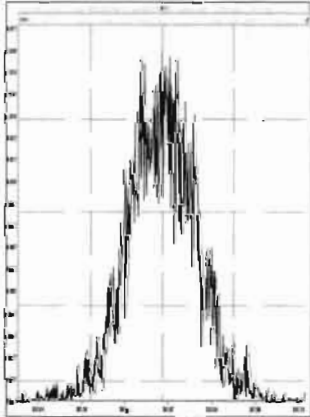
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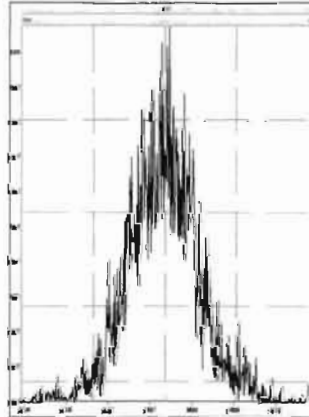
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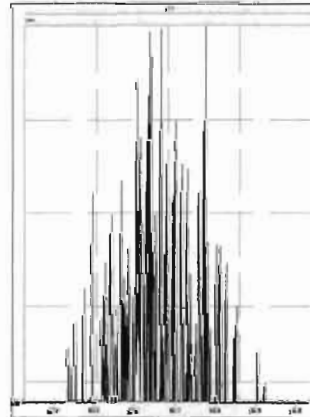
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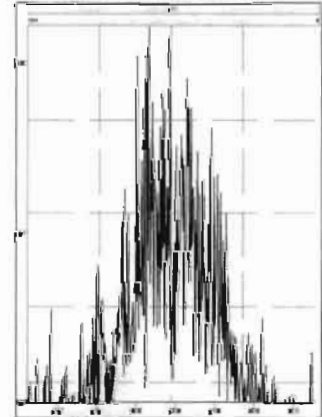
M 342.9792 R 10995



M 354.9792 R 1041663

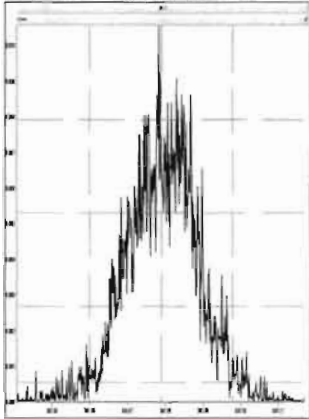


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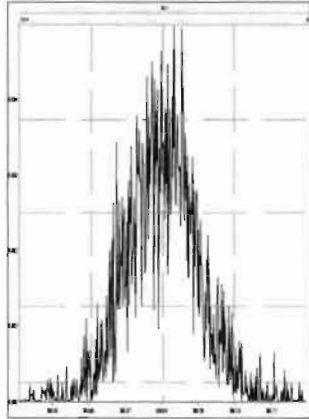


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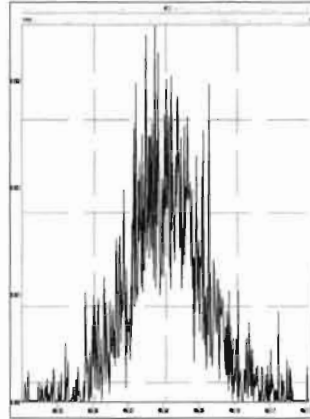
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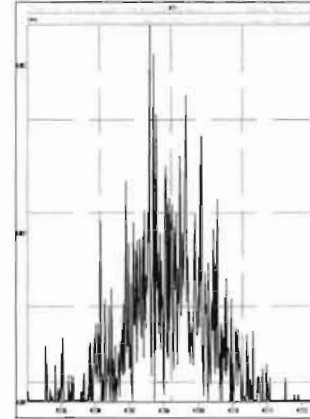
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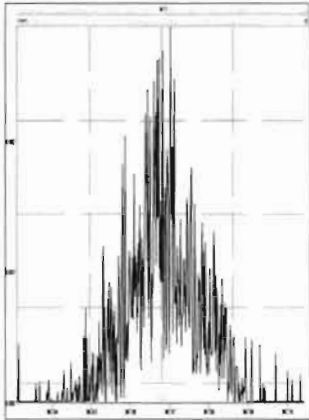
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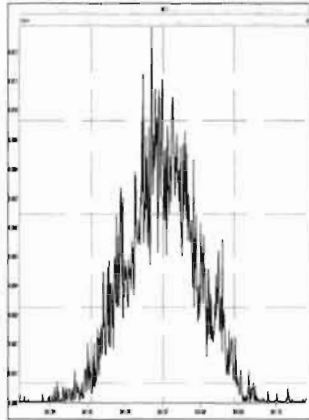
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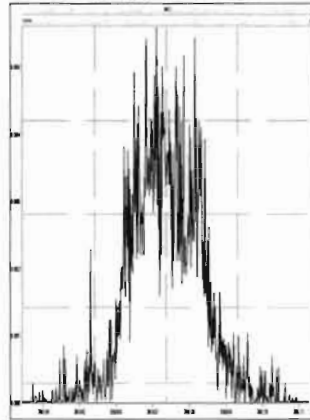
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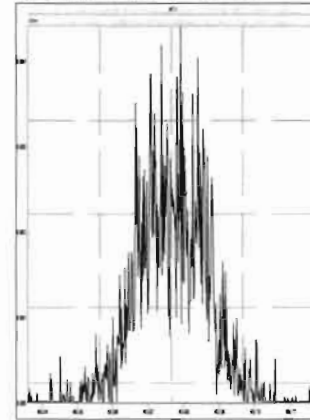
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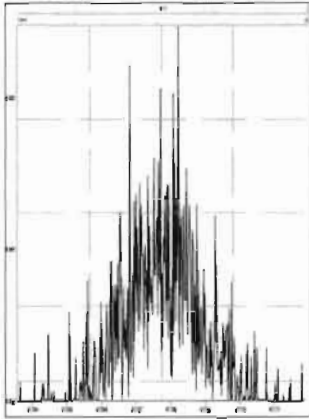
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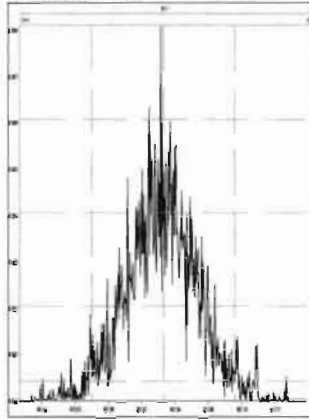
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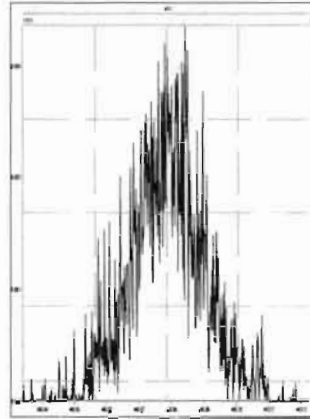
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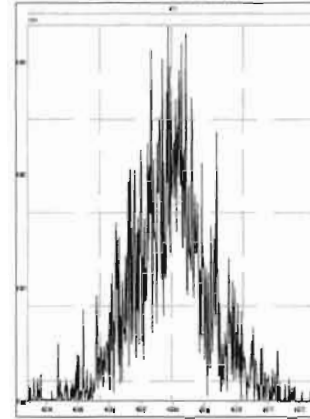
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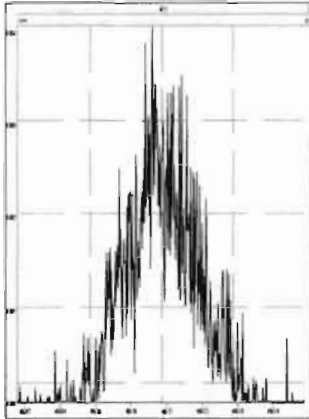
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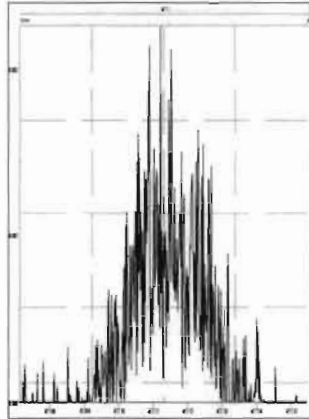
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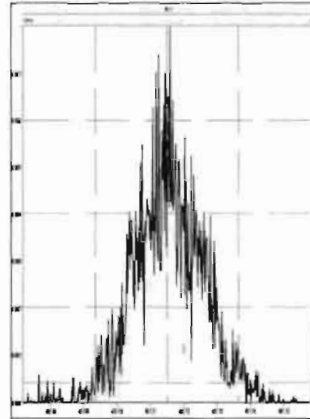
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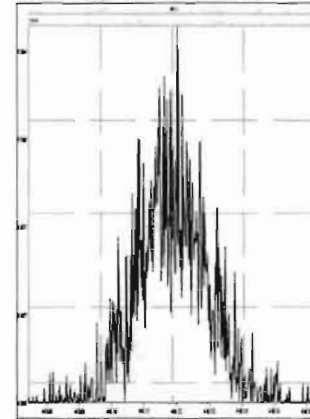
M 416.9760 R 16033



M 430.9728 R 10893

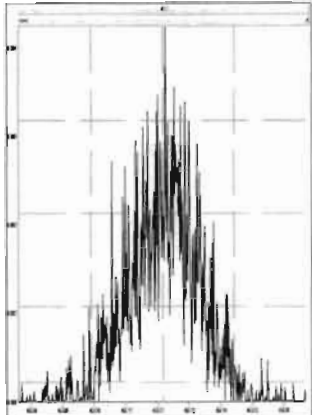


M 442.9728 R 13370

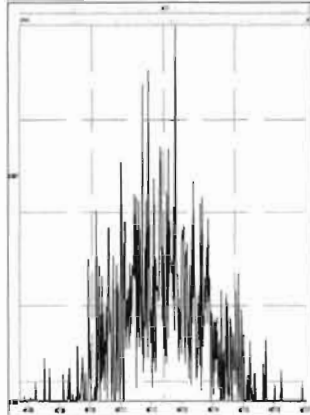


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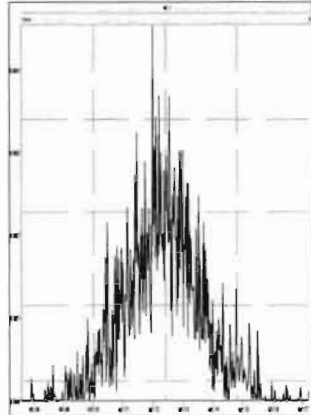
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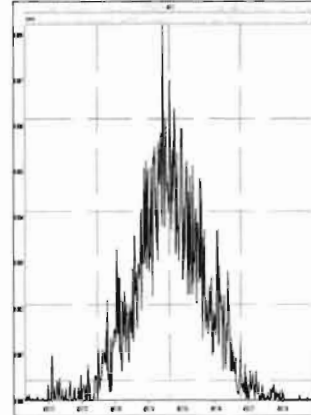
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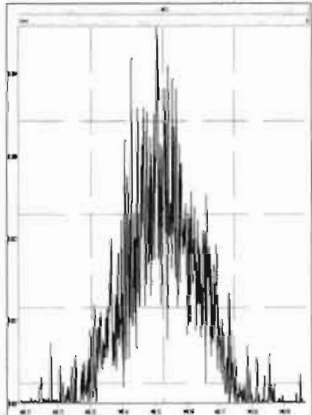
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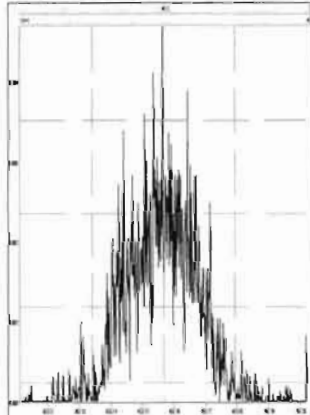
M 430.9728 R 11801



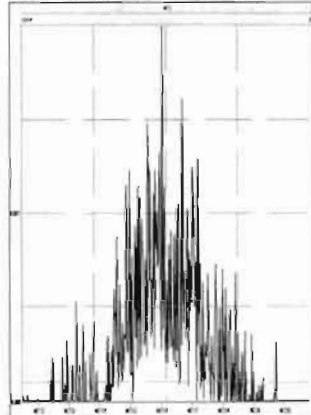
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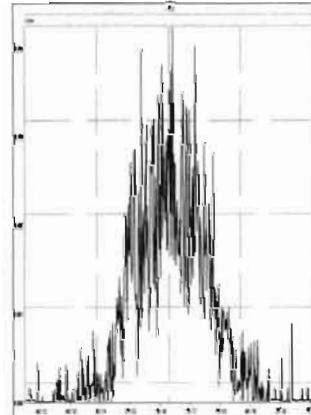
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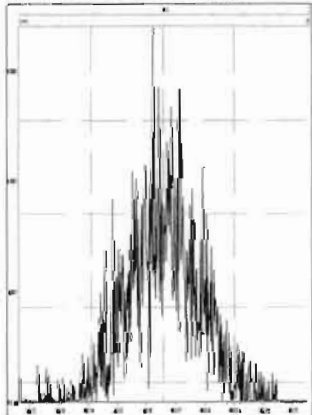
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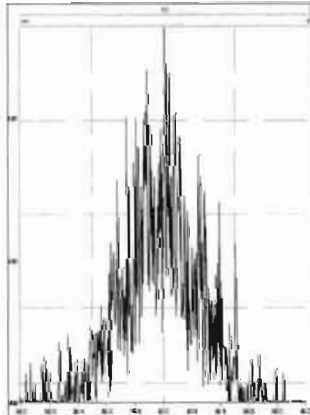
M 480.9696 R 13549



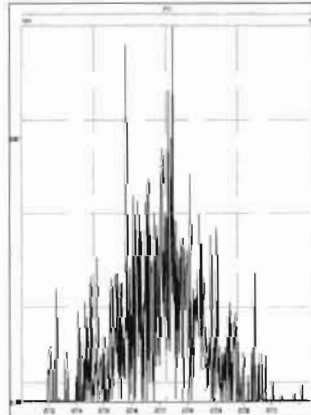
M 492.9696 R 14001



M 504.9696 R 12026



M 516.9697 R 69497



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:01 Pacific Daylight Time

DB 10/1/20 CT 10/01/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613_rrt.mdb 11 Sep 2020 15:14:27
Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	2.31e4	0.74	NO	1.00	1.000	25.821	25.82	1.001	1.001	10.260	103	0.0632	10.3
2	2 1,2,3,7,8-PeCDD	8.31e4	0.61	NO	0.935	1.000	30.187	30.19	1.001	1.001	53.368	107	0.106	53.4
3	3 1,2,3,4,7,8-HxCDD	7.77e4	1.26	NO	1.15	1.000	33.415	33.42	1.000	1.000	45.778	91.6	0.150	45.8
4	4 1,2,3,6,7,8-HxCDD	8.20e4	1.25	NO	1.02	1.000	33.526	33.54	1.000	1.000	47.955	95.9	0.161	48.0
5	5 1,2,3,7,8,9-HxCDD	7.98e4	1.27	NO	1.06	1.000	33.845	33.82	1.001	1.000	45.851	91.7	0.156	45.9
6	6 1,2,3,4,6,7,8-HpCDD	7.23e4	1.07	NO	1.00	1.000	37.213	37.21	1.000	1.000	49.364	98.7	0.231	49.4
7	7 OCDD	1.24e5	0.89	NO	0.952	1.000	40.395	40.41	1.000	1.000	100.14	100	0.175	100
8	8 2,3,7,8-TCDF	3.03e4	0.76	NO	1.01	1.000	25.174	25.16	1.001	1.001	8.5800	85.8	0.0490	8.58
9	9 1,2,3,7,8-PeCDF	1.26e5	1.58	NO	0.998	1.000	29.019	29.02	1.001	1.001	47.977	96.0	0.102	48.0
10	10 2,3,4,7,8-PeCDF	1.46e5	1.58	NO	1.07	1.000	29.994	29.98	1.001	1.001	53.283	107	0.0861	53.3
11	11 1,2,3,4,7,8-HxCDF	1.29e5	1.25	NO	1.05	1.000	32.505	32.53	1.000	1.001	56.257	113	0.172	56.3
12	12 1,2,3,6,7,8-HxCDF	1.36e5	1.28	NO	1.10	1.000	32.658	32.66	1.000	1.000	56.801	114	0.172	56.8
13	13 2,3,4,6,7,8-HxCDF	1.28e5	1.27	NO	1.09	1.000	33.328	33.31	1.001	1.000	57.613	115	0.191	57.6
14	14 1,2,3,7,8,9-HxCDF	1.06e5	1.25	NO	1.08	1.000	34.294	34.32	1.000	1.001	53.240	106	0.252	53.2
15	15 1,2,3,4,6,7,8-HpCDF	1.20e5	1.03	NO	1.13	1.000	35.976	35.95	1.001	1.000	52.614	105	0.212	52.6
16	16 1,2,3,4,7,8,9-HpCDF	9.52e4	1.03	NO	1.29	1.000	37.849	37.86	1.000	1.000	51.703	103	0.224	51.7
17	17 OCDF	1.66e5	0.89	NO	0.953	1.000	40.702	40.72	1.000	1.001	114.48	114	0.229	114
18	18 13C-2,3,7,8-TCDD	2.25e5	0.80	NO	1.17	1.000	25.787	25.79	1.026	1.026	94.491	94.5	0.271	
19	19 13C-1,2,3,7,8-PeCDD	1.66e5	0.62	NO	0.914	1.000	29.974	30.17	1.193	1.200	89.682	89.7	0.183	
20	20 13C-1,2,3,4,7,8-HxCDD	1.47e5	1.28	NO	0.634	1.000	33.405	33.40	1.014	1.014	105.24	105	0.428	
21	21 13C-1,2,3,6,7,8-HxCDD	1.67e5	1.27	NO	0.724	1.000	33.514	33.53	1.017	1.018	104.35	104	0.375	
22	22 13C-1,2,3,7,8,9-HxCDD	1.64e5	1.25	NO	0.716	1.000	33.781	33.81	1.025	1.026	103.67	104	0.379	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.46e5	1.05	NO	0.660	1.000	37.194	37.20	1.129	1.129	100.22	100	0.415	
24	24 13C-OCDD	2.61e5	0.89	NO	0.587	1.000	40.172	40.39	1.219	1.226	201.24	101	0.287	
25	25 13C-2,3,7,8-TCDF	3.48e5	0.73	NO	1.02	1.000	24.882	25.15	0.990	1.001	99.486	99.5	0.276	
26	26 13C-1,2,3,7,8-PeCDF	2.62e5	1.59	NO	0.842	1.000	29.046	29.00	1.156	1.154	91.006	91.0	0.298	
27	27 13C-2,3,4,7,8-PeCDF	2.55e5	1.67	NO	0.802	1.000	29.934	29.96	1.191	1.192	92.871	92.9	0.313	
28	28 13C-1,2,3,4,7,8-HxCDF	2.17e5	0.51	NO	1.00	1.000	32.549	32.51	0.988	0.987	98.055	98.1	0.333	
29	29 13C-1,2,3,6,7,8-HxCDF	2.17e5	0.52	NO	1.02	1.000	32.680	32.65	0.992	0.991	96.461	96.5	0.328	
30	30 13C-2,3,4,6,7,8-HxCDF	2.05e5	0.52	NO	0.955	1.000	33.244	33.30	1.009	1.011	97.072	97.1	0.350	
31	31 13C-1,2,3,7,8,9-HxCDF	1.83e5	0.53	NO	0.851	1.000	34.308	34.29	1.041	1.041	97.441	97.4	0.392	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:01 Pacific Daylight Time

Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.01e5	0.44	NO	0.848	1.000	35.810	35.94	1.087	1.091	107.16	107	0.390	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.43e5	0.45	NO	0.624	1.000	37.787	37.85	1.147	1.149	103.84	104	0.530	
34	34 13C-OCDF	3.04e5	0.90	NO	0.730	1.000	40.323	40.70	1.224	1.235	188.59	94.3	0.259	
35	35 37Cl-2,3,7,8-TCDD	2.38e4			1.21	1.000	25.784	25.82	1.026	1.027	9.7250	97.3	0.0428	
36	36 13C-1,2,3,4-TCDD	2.03e5	0.78	NO	1.00	1.000	25.260	25.13	1.000	1.000	100.00	100	0.318	
37	37 13C-1,2,3,4-TCDF	3.43e5	0.75	NO	1.00	1.000	23.930	23.79	1.000	1.000	100.00	100	0.282	
38	38 13C-1,2,3,4,6,9-HxCDF	2.21e5	0.52	NO	1.00	1.000	32.990	32.94	1.000	1.000	100.00	100	0.334	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

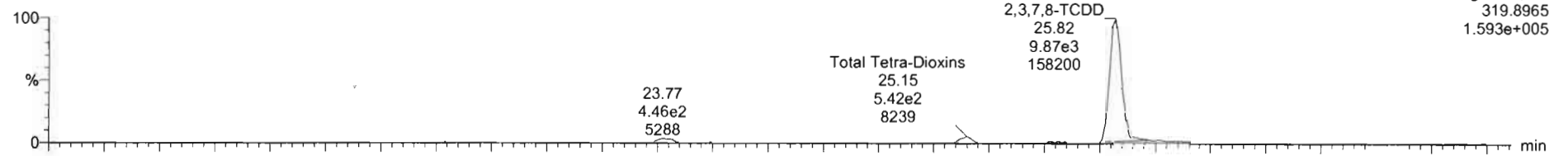
Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

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Calibration: U:\VG7.PRO\CurveDB\ZB_DIOXIN_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

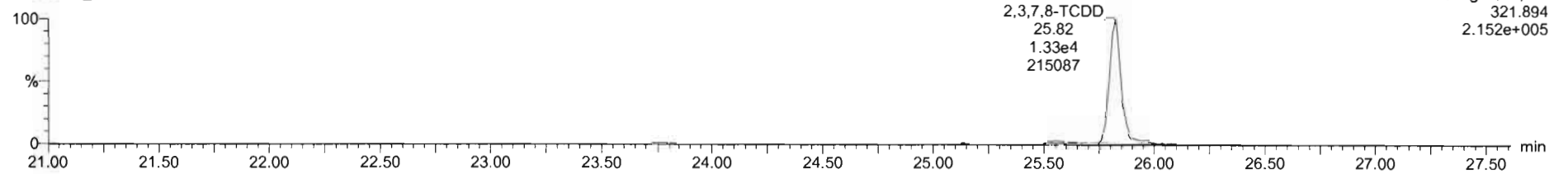
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2,3,7,8-TCDD

200930D2_8

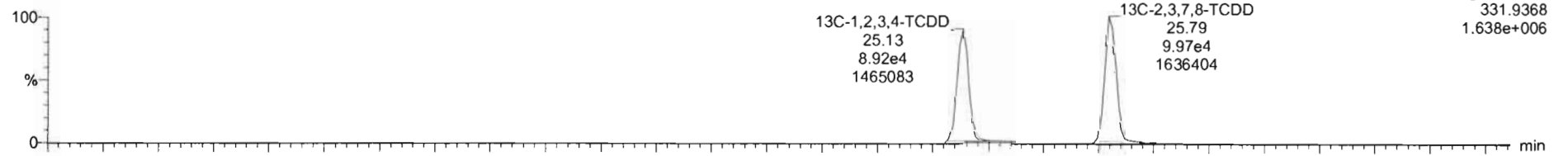


200930D2_8

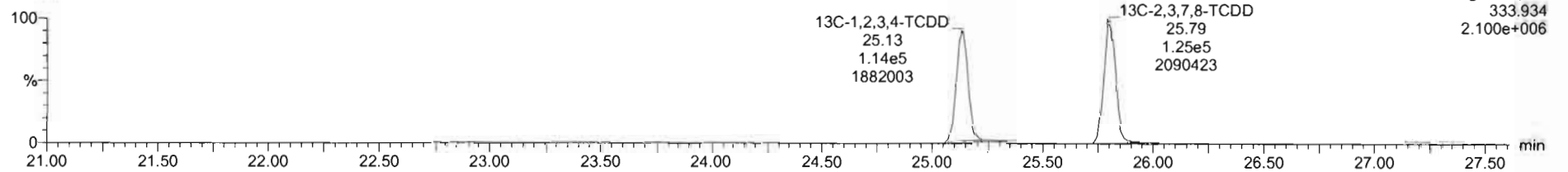


13C-2,3,7,8-TCDD

200930D2_8



200930D2_8



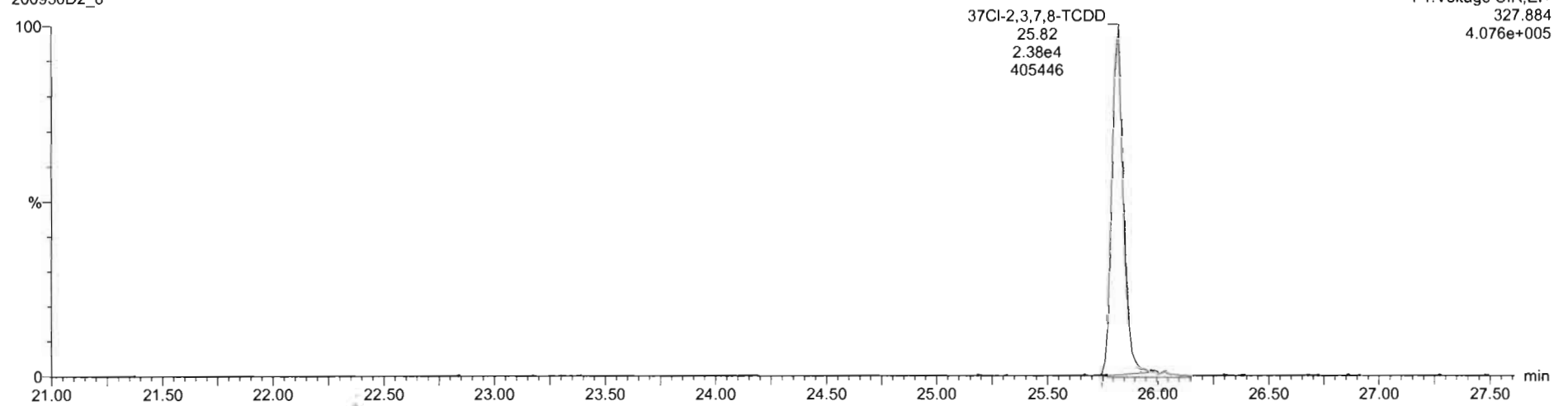
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Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

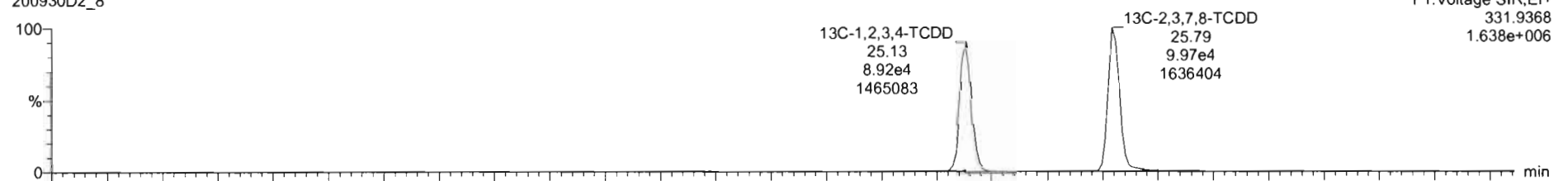
37Cl-2,3,7,8-TCDD

200930D2_8

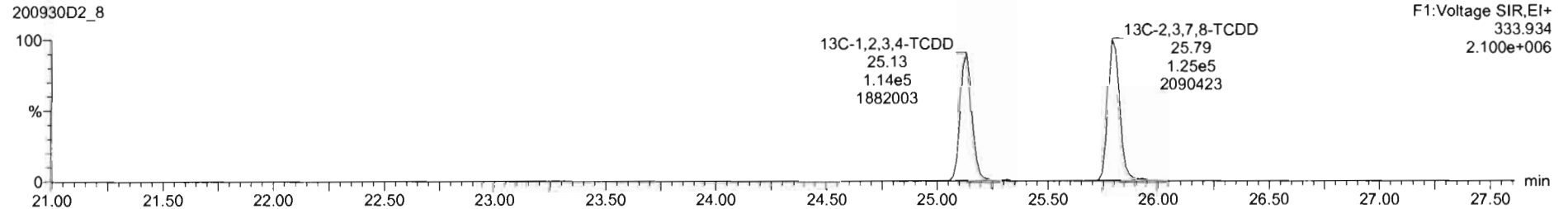


13C-1,2,3,4-TCDD

200930D2_8



200930D2_8



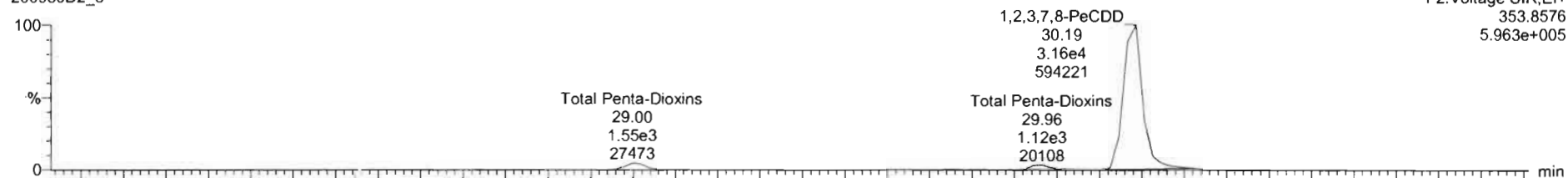
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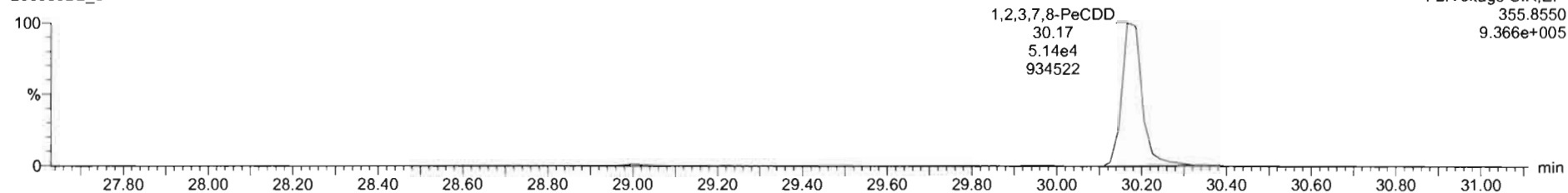
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1,2,3,7,8-PeCDD

200930D2_8

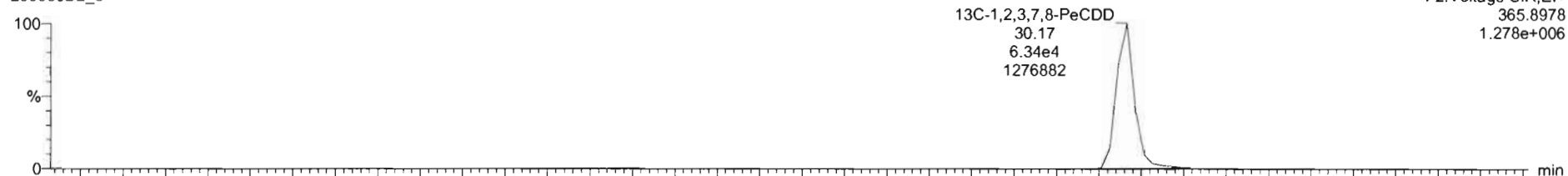


200930D2_8

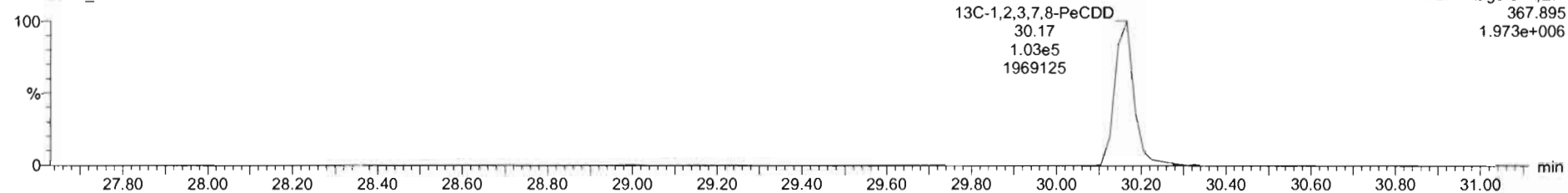


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200930D2_8



200930D2_8



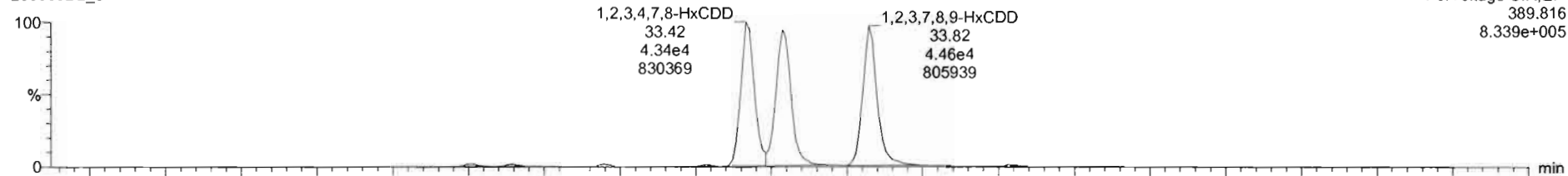
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Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
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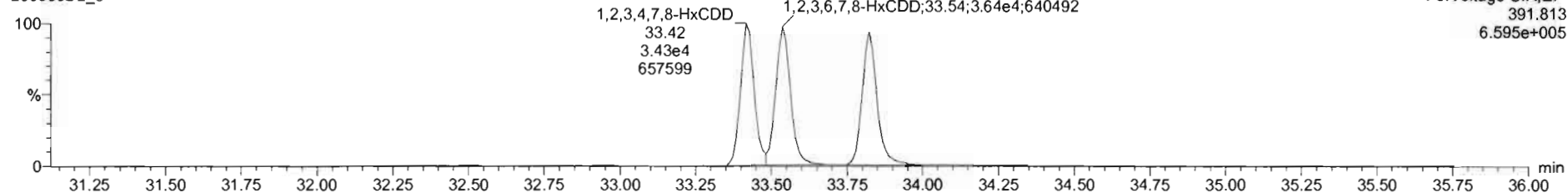
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1,2,3,4,7,8-HxCDD

200930D2_8

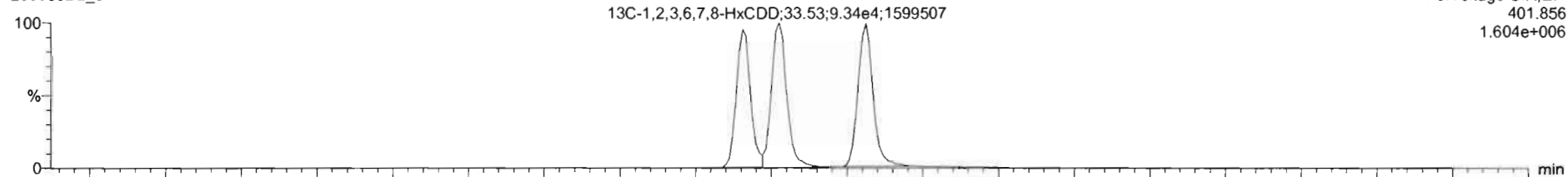


200930D2_8

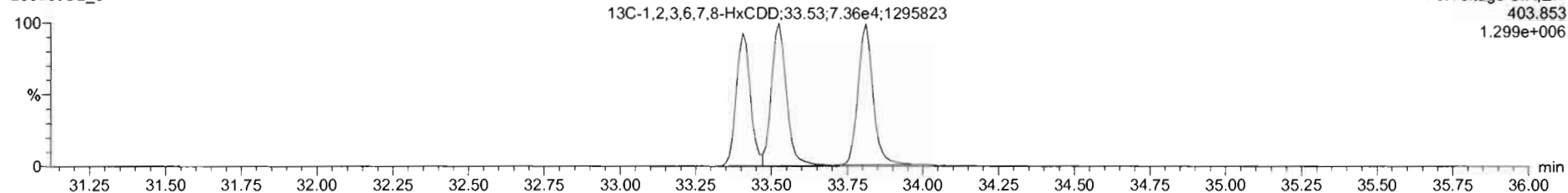


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200930D2_8



200930D2_8



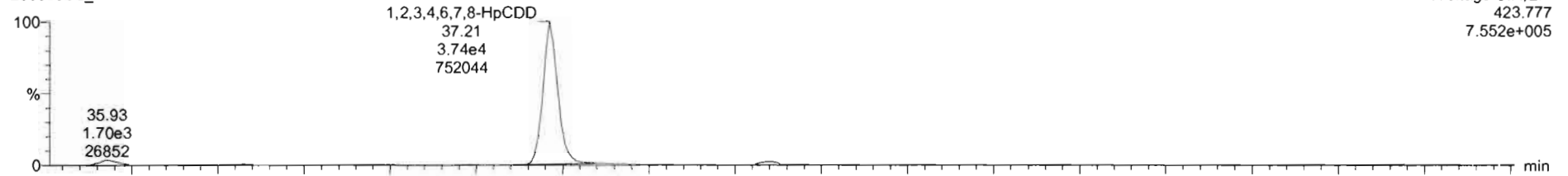
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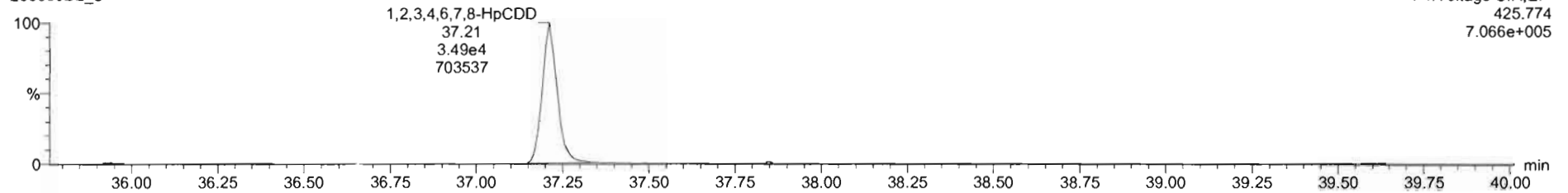
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1,2,3,4,6,7,8-HpCDD

200930D2_8

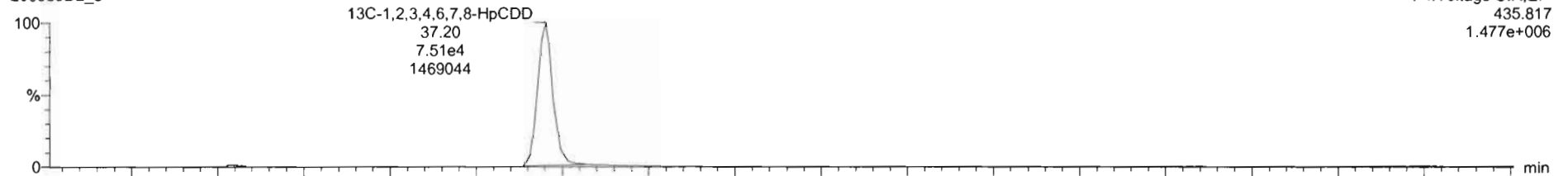


200930D2_8

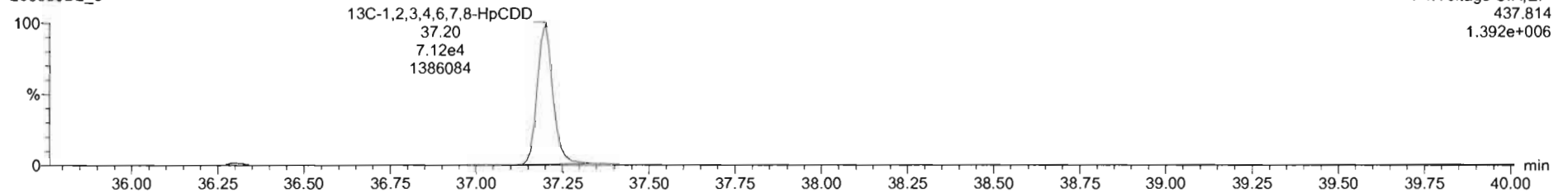


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200930D2_8



200930D2_8

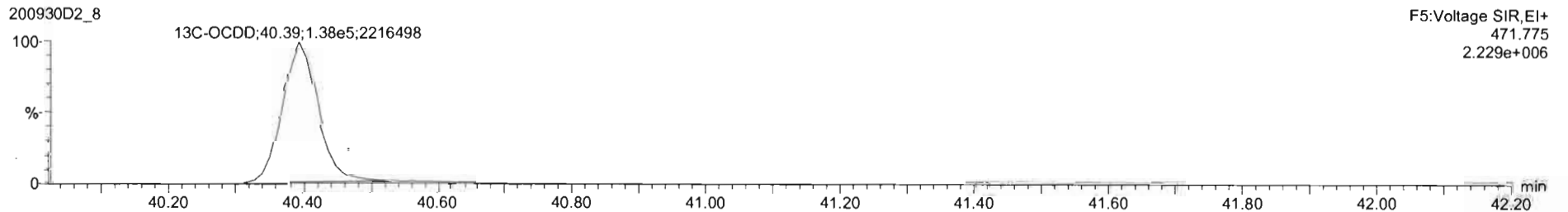
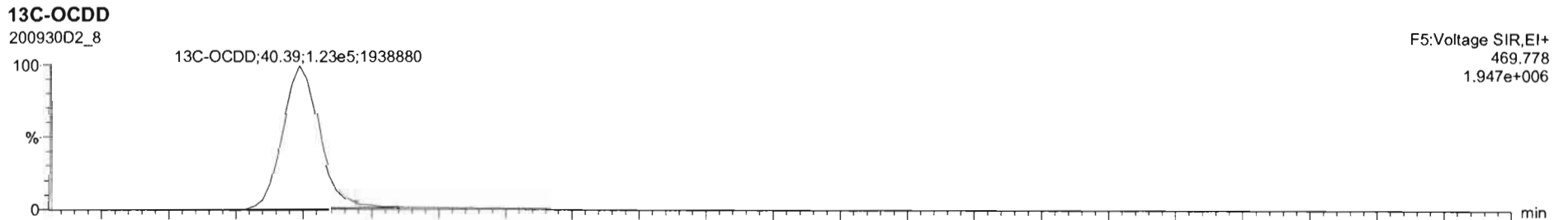
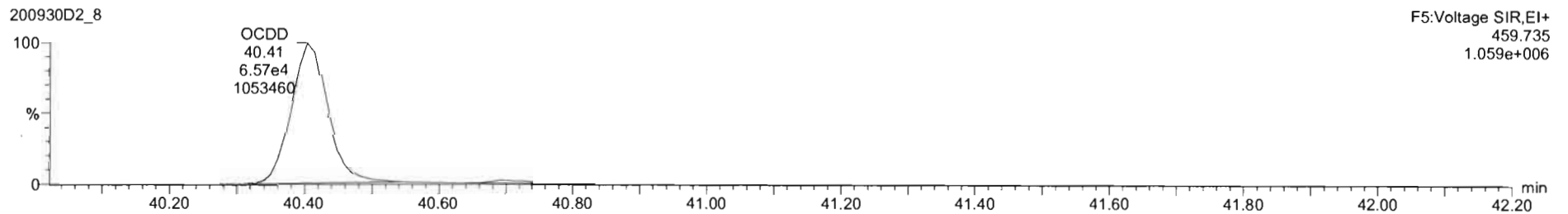
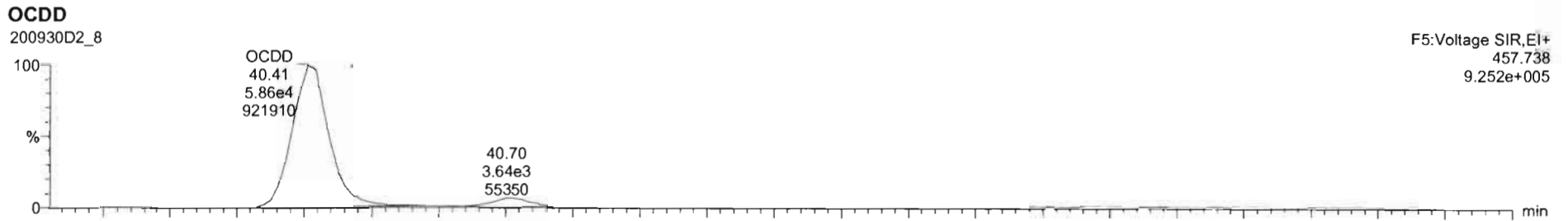


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Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108



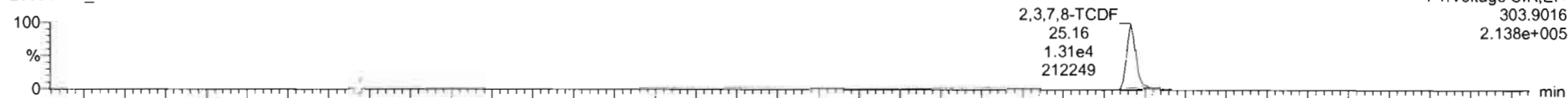
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Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

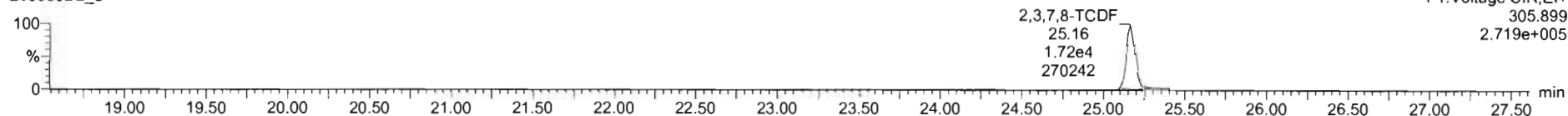
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2,3,7,8-TCDF

200930D2_8

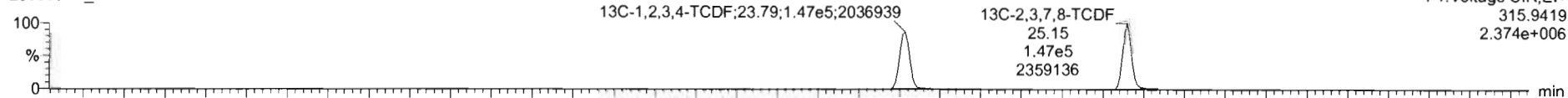


200930D2_8

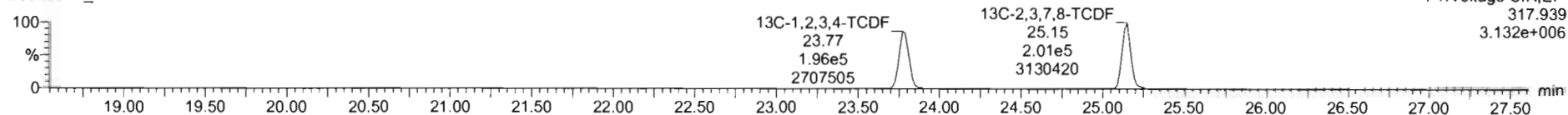


¹³C-2,3,7,8-TCDF

200930D2_8

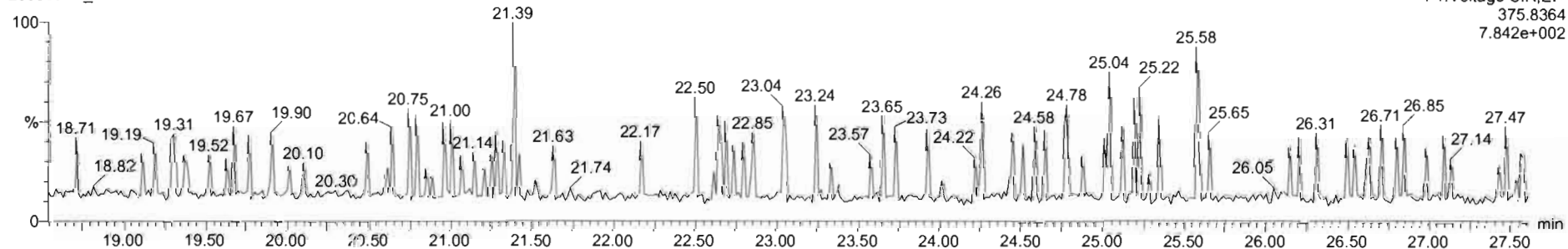


200930D2_8



DPE1

200930D2_8



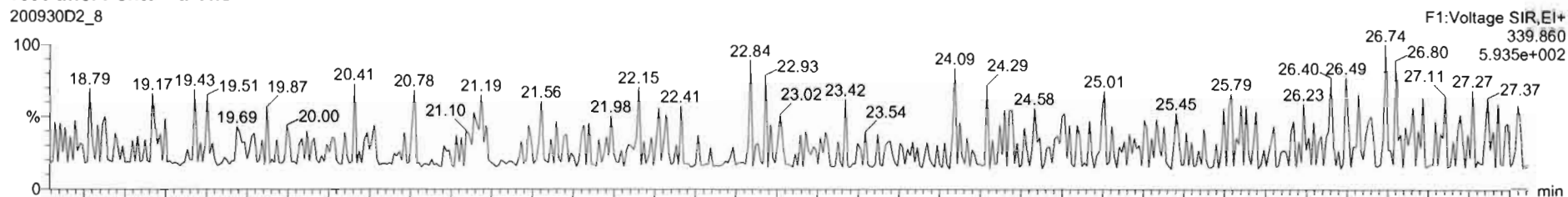
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Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
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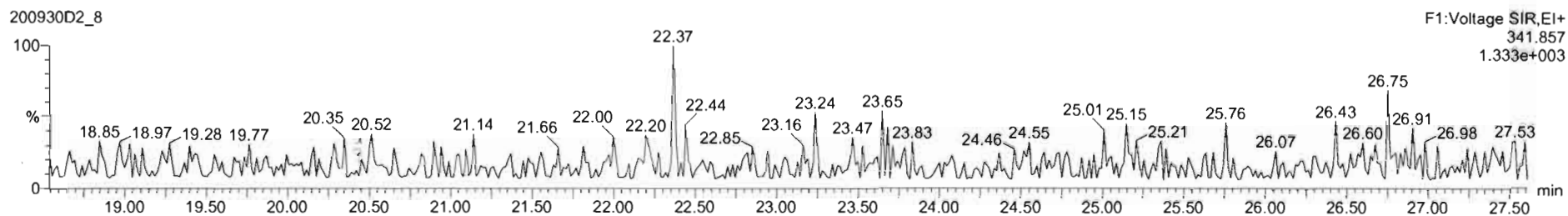
Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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200930D2_8

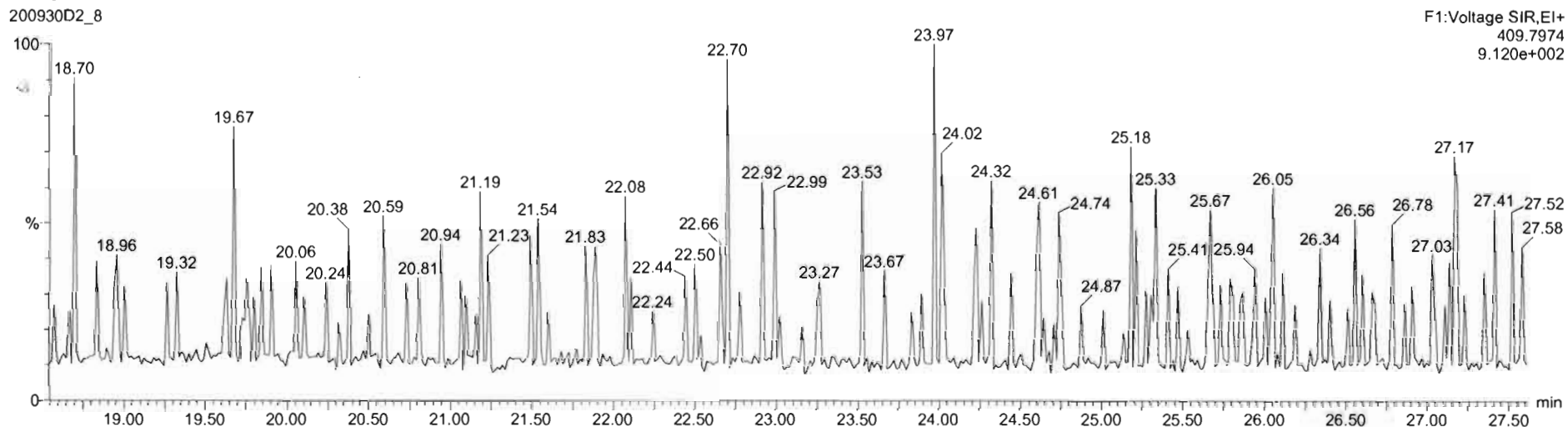


200930D2_8



DPE6

200930D2_8



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

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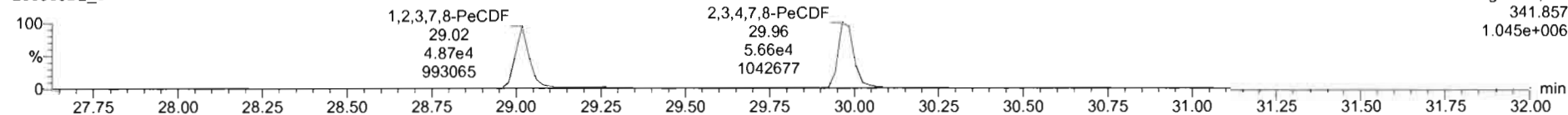
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1,2,3,7,8-PeCDF

200930D2_8

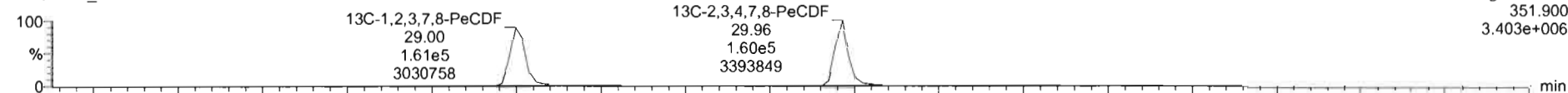


200930D2_8

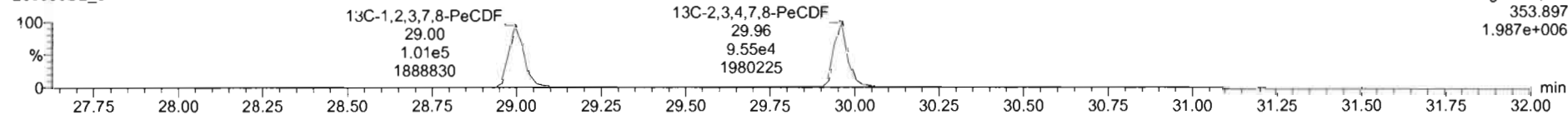


13C-1,2,3,7,8-PeCDF

200930D2_8

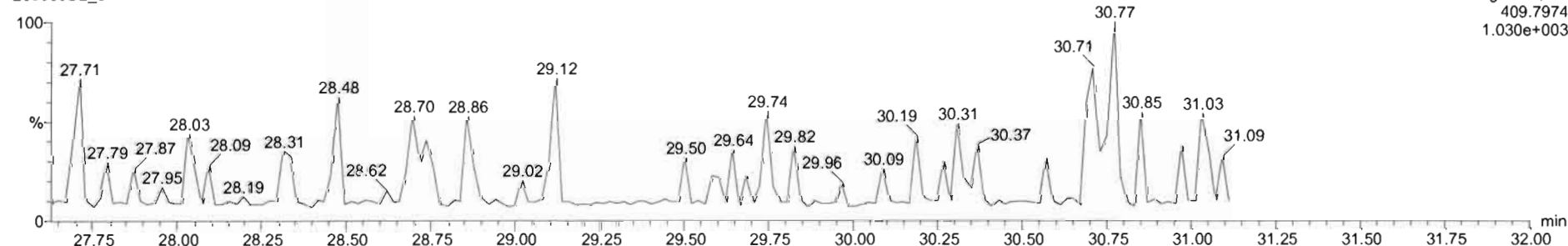


200930D2_8



DPE2

200930D2_8



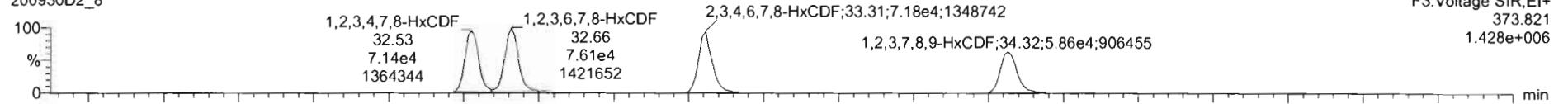
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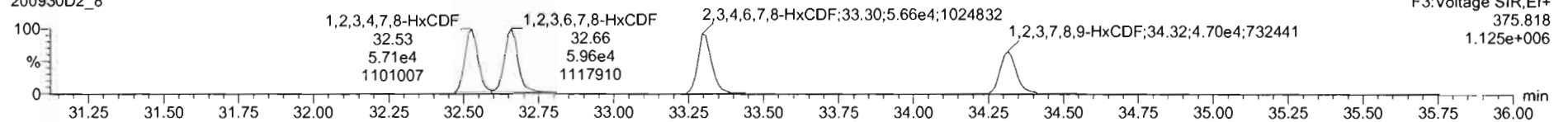
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1,2,3,4,7,8-HxCDF

200930D2_8

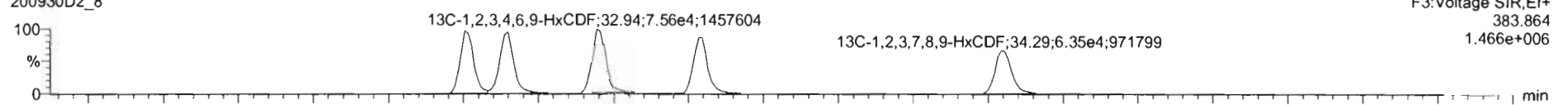


200930D2_8

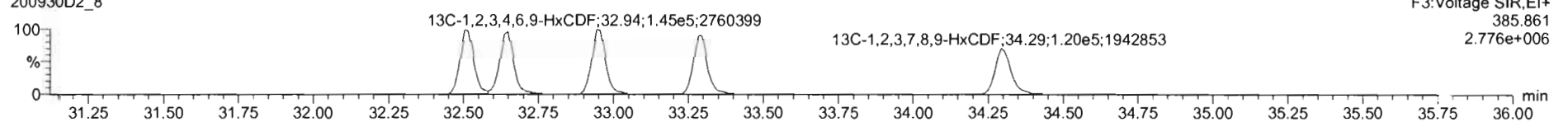


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200930D2_8

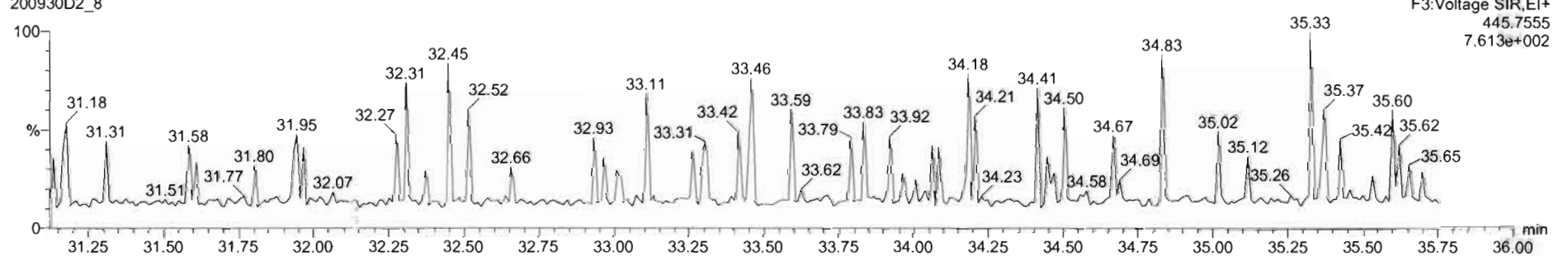


200930D2_8



DPE3

200930D2_8

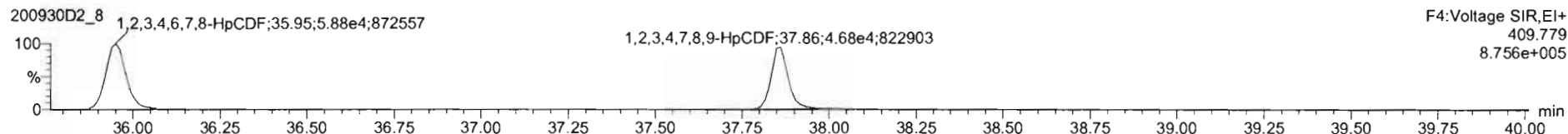
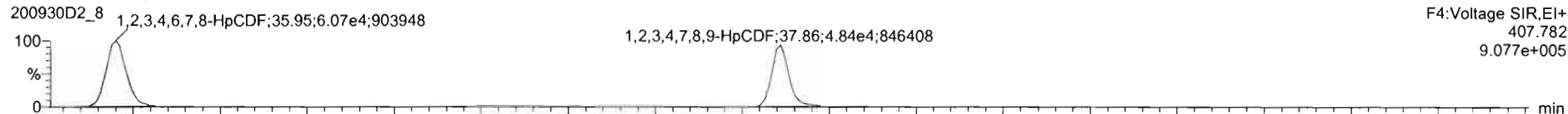


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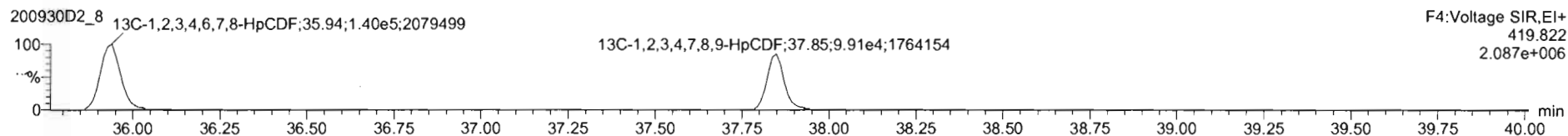
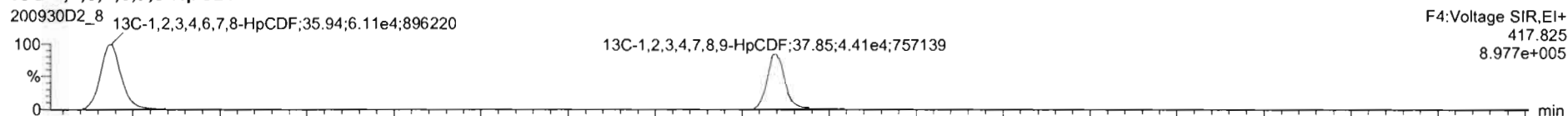
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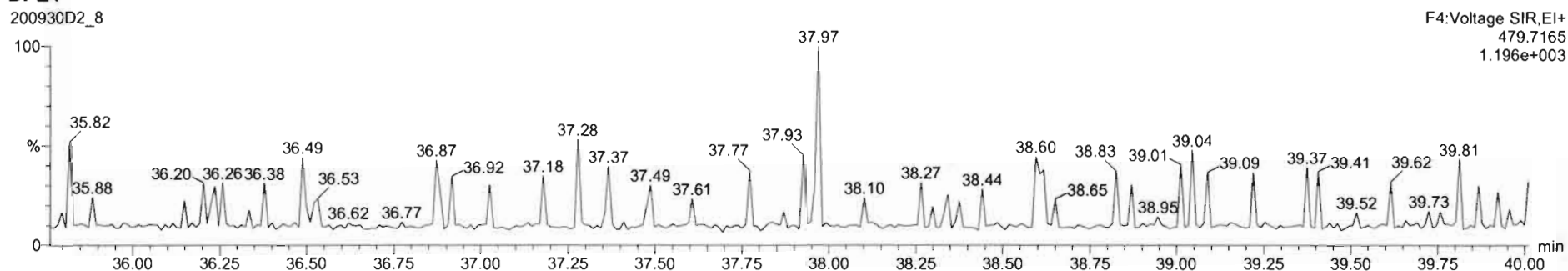
1,2,3,4,6,7,8-HpCDF



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



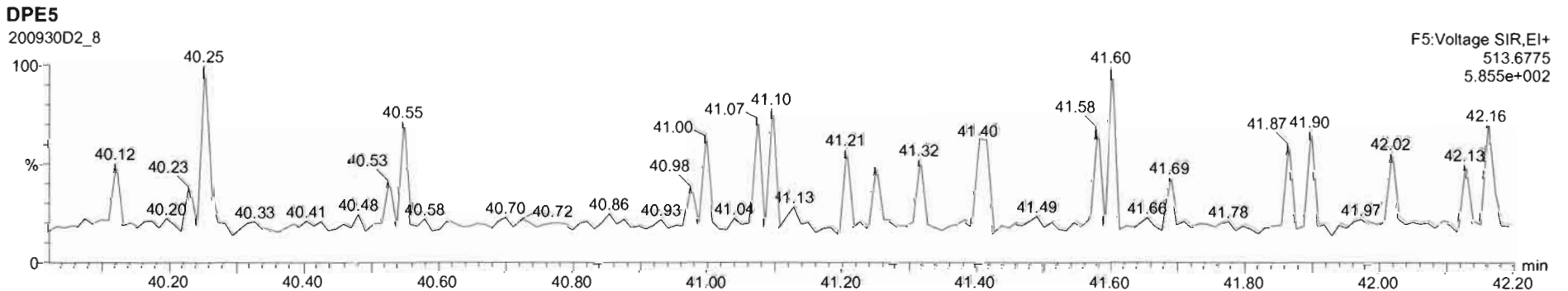
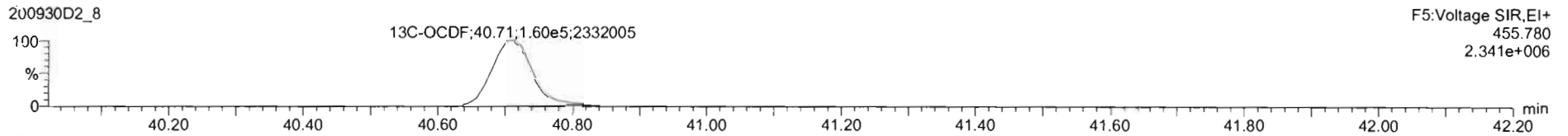
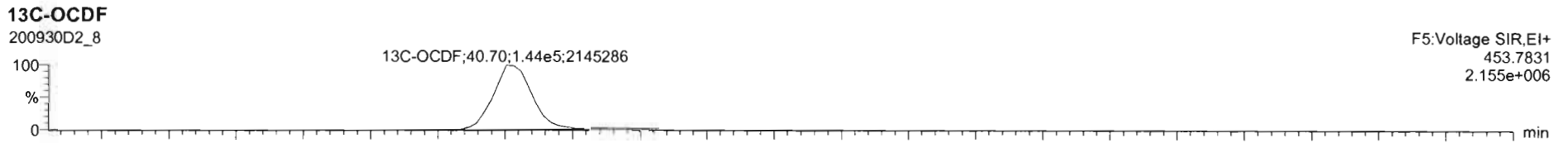
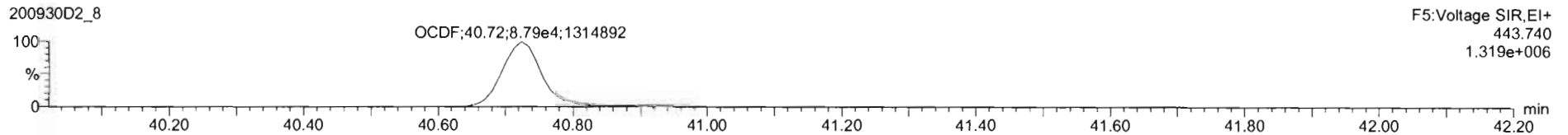
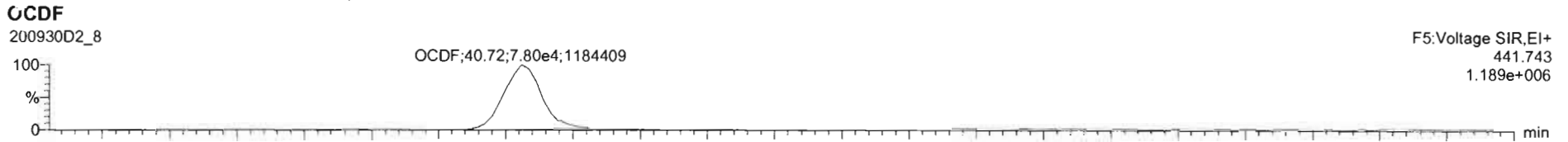
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108



Dataset: U:\VG7.PRO\Results\200930D2\200930D2_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time

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Name: 200930D2_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

