

April 07, 2021

Vista Work Order No. 2103100

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 March 11, 2021 under your Project Name 'GascoSiltronic: US Moorings'.

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

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

Sincerely,

Martha Maier
Laboratory Director



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

Vista Work Order No. 2103100

Case Narrative

Sample Condition on Receipt:

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

Analytical Notes:

EPA Method 1613B

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

Holding Times

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

Quality Control

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

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected 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.

EPA Method 1699

These samples were extracted and analyzed for a selected list of chlorinated pesticides by EPA Method 1699 using a ZB-50 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 sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

The labeled standard recovery outside the method acceptance criteria is listed in the table below:

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2103100-02	RAB-RB-2103091709	EPA Method 1699	13C12-2,4'-DDE	H	32.3

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2103100-01	RAB-FB-2103091636	09-Mar-21 16:36	11-Mar-21 10:52	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L
2103100-02	RAB-RB-2103091709	09-Mar-21 17:09	11-Mar-21 10:52	Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Aqueous Sample Size: 1.00 L		QC Batch: B1C0125 Date Extracted: 14-Mar-2021 6:49		Lab Sample: B1C0125-BLK1 Date Analyzed: 15-Mar-21 19:50 Column: ZB-DIOXIN					
Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.314			IS 13C-2,3,7,8-TCDD	109	25 - 164		
1,2,3,7,8-PeCDD	ND	0.460			13C-1,2,3,7,8-PeCDD	99.1	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.382			13C-1,2,3,4,7,8-HxCDD	97.9	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.420			13C-1,2,3,6,7,8-HxCDD	96.4	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.432			13C-1,2,3,7,8,9-HxCDD	99.1	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.929			13C-1,2,3,4,6,7,8-HpCDD	102	23 - 140		
OCDD	ND	1.32			13C-OCDD	74.8	17 - 157		
2,3,7,8-TCDF	ND	0.197			13C-2,3,7,8-TCDF	115	24 - 169		
1,2,3,7,8-PeCDF	ND	0.269			13C-1,2,3,7,8-PeCDF	103	24 - 185		
2,3,4,7,8-PeCDF	ND	0.226			13C-2,3,4,7,8-PeCDF	119	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.261			13C-1,2,3,4,7,8-HxCDF	101	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.254			13C-1,2,3,6,7,8-HxCDF	99.8	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.274			13C-2,3,4,6,7,8-HxCDF	105	28 - 136		
1,2,3,7,8,9-HxCDF	ND		0.811		13C-1,2,3,7,8,9-HxCDF	106	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.425			13C-1,2,3,4,6,7,8-HpCDF	105	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.436			13C-1,2,3,4,7,8,9-HpCDF	107	26 - 138		
OCDF	ND	1.02			13C-OCDF	83.7	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	117	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/L)				
					TEQMinWHO2005Dioxin		0.00		
TOTALS									
Total TCDD	ND	0.314							
Total PeCDD	ND		1.11						
Total HxCDD	ND		1.46						
Total HpCDD	ND	0.929							
Total TCDF	ND	0.197							
Total PeCDF	ND	0.269							
Total HxCDF	ND		0.811						
Total HpCDF	ND	0.436							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

Sample ID: OPR					EPA Method 1613B		
Matrix: Aqueous Sample Size: 1.00 L		QC Batch: B1C0125 Date Extracted: 14-Mar-2021 6:49		Lab Sample: B1C0125-BS1 Date Analyzed: 15-Mar-21 16:53 Column: ZB-DIOXIN			
Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	178	200	88.9	67 - 158	IS 13C-2,3,7,8-TCDD	109	20 - 175
1,2,3,7,8-PeCDD	892	1000	89.2	70 - 142	13C-1,2,3,7,8-PeCDD	101	21 - 227
1,2,3,4,7,8-HxCDD	969	1000	96.9	70 - 164	13C-1,2,3,4,7,8-HxCDD	101	21 - 193
1,2,3,6,7,8-HxCDD	956	1000	95.6	76 - 134	13C-1,2,3,6,7,8-HxCDD	97.0	25 - 163
1,2,3,7,8,9-HxCDD	956	1000	95.6	64 - 162	13C-1,2,3,7,8,9-HxCDD	101	21 - 193
1,2,3,4,6,7,8-HpCDD	952	1000	95.2	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	104	26 - 166
OCDD	1900	2000	95.1	78 - 144	13C-OCDD	83.7	13 - 199
2,3,7,8-TCDF	197	200	98.4	75 - 158	13C-2,3,7,8-TCDF	111	22 - 152
1,2,3,7,8-PeCDF	937	1000	93.7	80 - 134	13C-1,2,3,7,8-PeCDF	101	21 - 192
2,3,4,7,8-PeCDF	915	1000	91.5	68 - 160	13C-2,3,4,7,8-PeCDF	116	13 - 328
1,2,3,4,7,8-HxCDF	1010	1000	101	72 - 134	13C-1,2,3,4,7,8-HxCDF	105	19 - 202
1,2,3,6,7,8-HxCDF	995	1000	99.5	84 - 130	13C-1,2,3,6,7,8-HxCDF	103	21 - 159
2,3,4,6,7,8-HxCDF	1010	1000	101	70 - 156	13C-2,3,4,6,7,8-HxCDF	108	22 - 176
1,2,3,7,8,9-HxCDF	988	1000	98.8	78 - 130	13C-1,2,3,7,8,9-HxCDF	111	17 - 205
1,2,3,4,6,7,8-HpCDF	980	1000	98.0	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	108	21 - 158
1,2,3,4,7,8,9-HpCDF	985	1000	98.5	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	109	20 - 186
OCDF	1980	2000	99.0	63 - 170	13C-OCDF	92.4	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	118	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: RAB-FB-2103091636 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: QC Water	Lab Sample: 2103100-01 Date Received: 11-Mar-2021 10:52
Project: GascoSiltronic: US Moorings	Sample Size: 1.02 L	QC Batch: B1C0125 Date Extracted: 14-Mar-2021 6:49
Date Collected: 09-Mar-2021 16:36		Date Analyzed: 16-Mar-21 17:25 Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.159			IS 13C-2,3,7,8-TCDD	94.3	25 - 164	
1,2,3,7,8-PeCDD	ND	0.557			13C-1,2,3,7,8-PeCDD	96.3	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.511			13C-1,2,3,4,7,8-HxCDD	92.6	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.525			13C-1,2,3,6,7,8-HxCDD	94.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.554			13C-1,2,3,7,8,9-HxCDD	98.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		0.991		13C-1,2,3,4,6,7,8-HpCDD	90.4	23 - 140	
OCDD	ND	5.80			13C-OCDD	44.3	17 - 157	
2,3,7,8-TCDF	ND	0.137			13C-2,3,7,8-TCDF	102	24 - 169	
1,2,3,7,8-PeCDF	ND	0.240			13C-1,2,3,7,8-PeCDF	101	24 - 185	
2,3,4,7,8-PeCDF	ND	0.201			13C-2,3,4,7,8-PeCDF	110	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.552			13C-1,2,3,4,7,8-HxCDF	86.7	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.495			13C-1,2,3,6,7,8-HxCDF	87.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.591			13C-2,3,4,6,7,8-HxCDF	85.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.728			13C-1,2,3,7,8,9-HxCDF	92.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.555			13C-1,2,3,4,6,7,8-HpCDF	90.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.589			13C-1,2,3,4,7,8,9-HpCDF	81.7	26 - 138	
OCDF	ND	1.83			13C-OCDF	58.7	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	114	35 - 197	

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

TEQMinWHO2005Dioxin 0.00

TOTALS								
Total TCDD	ND	0.159						
Total PeCDD	ND		0.831					
Total HxCDD	ND	0.554						
Total HpCDD	ND		0.991					
Total TCDF	ND	0.137						
Total PeCDF	ND	0.240						
Total HxCDF	ND	0.728						
Total HpCDF	ND	0.589						

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

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

Sample ID: RAB-RB-2103091709 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: QC Water	Lab Sample: 2103100-02 Date Received: 11-Mar-2021 10:52
Project: GascoSiltronic: US Moorings	Sample Size: 1.01 L	QC Batch: B1C0125 Date Extracted: 14-Mar-2021 6:49
Date Collected: 09-Mar-2021 17:09		Date Analyzed: 16-Mar-21 18:09 Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.172			IS 13C-2,3,7,8-TCDD	95.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.267			13C-1,2,3,7,8-PeCDD	97.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.402			13C-1,2,3,4,7,8-HxCDD	96.6	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.425			13C-1,2,3,6,7,8-HxCDD	96.2	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.443			13C-1,2,3,7,8,9-HxCDD	101	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.682			13C-1,2,3,4,6,7,8-HpCDD	95.8	23 - 140	
OCDD	ND	2.73			13C-OCDD	50.0	17 - 157	
2,3,7,8-TCDF	ND	0.134			13C-2,3,7,8-TCDF	97.7	24 - 169	
1,2,3,7,8-PeCDF	ND	0.230			13C-1,2,3,7,8-PeCDF	102	24 - 185	
2,3,4,7,8-PeCDF	ND	0.194			13C-2,3,4,7,8-PeCDF	114	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.231			13C-1,2,3,4,7,8-HxCDF	93.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.231			13C-1,2,3,6,7,8-HxCDF	92.4	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.248			13C-2,3,4,6,7,8-HxCDF	93.5	28 - 136	
1,2,3,7,8,9-HxCDF	1.06			J	13C-1,2,3,7,8,9-HxCDF	95.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.509			13C-1,2,3,4,6,7,8-HpCDF	90.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.530			13C-1,2,3,4,7,8,9-HpCDF	93.9	26 - 138	
OCDF	ND	1.10			13C-OCDF	65.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	110	35 - 197	

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

	TEQMinWHO2005Dioxin	0.106
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TOTALS								
Total TCDD	ND	0.172						
Total PeCDD	ND		0.610					
Total HxCDD	ND	0.443						
Total HpCDD	ND	0.682						
Total TCDF	ND	0.134						
Total PeCDF	ND		0.121					
Total HxCDF	1.06			J				
Total HpCDF	ND	0.530						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

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

Sample ID: Method Blank					EPA Method 1699			
Matrix: Aqueous		QC Batch: B1C0128			Lab Sample: B1C0128-BLK1			
Sample Size: 1.00 L		Date Extracted: 14-Mar-2021 8:10			Date Analyzed: 30-Mar-21 15:56 Column: ZB-50			
Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	2.63			IS 13C6-Lindane (gamma-BHC)	67.8	11 - 120	
Aldrin	ND	0.898			IS 13C12-Aldrin	61.8	5 - 120	
Oxychlordane	ND	2.75			IS 13C10-Oxychlordane	73.8	23 - 135	
trans-Chlordane (gamma)	ND	2.46			IS 13C10-trans-Chlordane (gamma)	78.8	21 - 132	
trans-Nonachlor	ND	2.28			IS 13C10-trans-Nonachlor	74.1	14 - 136	
cis-Chlordane (alpha)	ND	2.09			IS 13C12-2,4'-DDE	78.4	47 - 160	
2,4'-DDE	ND	1.10			IS 13C12-4,4'-DDE	76.2	47 - 160	
4,4'-DDE	ND	1.47			IS 13C12-Dieldrin	73.7	40 - 151	
Dieldrin	ND	1.24			IS 13C10-cis-Nonachlor	70.1	36 - 139	
cis-Nonachlor	ND	2.39			IS 13C12-2,4'-DDD	77.2	5 - 199	
2,4'-DDD	ND	1.96			IS 13C12-2,4'-DDT	81.3	5 - 199	
2,4'-DDT	ND	3.45			IS 13C12-4,4'-DDD	74.3	5 - 120	
4,4'-DDD	ND	2.22			IS 13C12-4,4'-DDT	93.1	5 - 120	
4,4'-DDT	ND	3.47						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

Sample ID: OPR **EPA Method 1699**

Matrix: Aqueous	QC Batch: B1C0128	Lab Sample: B1C0128-BS1
Sample Size: 1.00 L	Date Extracted: 14-Mar-2021 8:10	Date Analyzed: 30-Mar-21 14:21 Column: ZB-50

Analyte	Amt Found (pg/L)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
Lindane (gamma-BHC)	936	1000	93.6	50 - 120	IS 13C6-Lindane (gamma-BHC)	63.8	5 - 124
Aldrin	948	1000	94.8	50 - 120	IS 13C12-Aldrin	44.1	5 - 126
Oxychlordane	926	1000	92.6	50 - 120	IS 13C10-Oxychlordane	65.9	5 - 144
trans-Chlordane (gamma)	934	1000	93.4	50 - 120	IS 13C10-trans-Chlordane (gamma)	69.5	15 - 144
trans-Nonachlor	946	1000	94.6	50 - 120	IS 13C10-trans-Nonachlor	68.0	13 - 149
cis-Chlordane (alpha)	939	1000	93.9	50 - 120	IS 13C12-2,4'-DDE	66.6	26 - 169
2,4'-DDE	952	1000	95.2	24 - 123	IS 13C12-4,4'-DDE	67.1	26 - 169
4,4'-DDE	955	1000	95.5	50 - 120	IS 13C12-Dieldrin	69.1	19 - 161
Dieldrin	980	1000	98.0	50 - 120	IS 13C10-cis-Nonachlor	61.9	17 - 154
cis-Nonachlor	974	1000	97.4	50 - 120	IS 13C12-2,4'-DDD	72.6	14 - 200
2,4'-DDD	941	1000	94.1	50 - 120	IS 13C12-2,4'-DDT	73.8	14 - 200
2,4'-DDT	1040	1000	104	50 - 120	IS 13C12-4,4'-DDD	69.2	14 - 200
4,4'-DDD	952	1000	95.2	42 - 120	IS 13C12-4,4'-DDT	85.2	13 - 200
4,4'-DDT	947	1000	94.7	50 - 120			

LCL-UCL - Lower control limit - upper control limit

Sample ID: RAB-FB-2103091636

EPA Method 1699

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	QC Water	Lab Sample:	2103100-01
Project:	GascoSiltronic: US Moorings	Sample Size:	1.00 L	QC Batch:	B1C0128
Date Collected:	09-Mar-2021 16:36			Date Received:	11-Mar-2021 10:52
				Date Extracted:	14-Mar-2021 8:10
				Date Analyzed:	30-Mar-21 16:52 Column: ZB-50

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	8.00			IS 13C6-Lindane (gamma-BHC)	48.7	11 - 120	
Aldrin	ND	4.47			IS 13C12-Aldrin	42.0	5 - 120	
Oxychlordane	ND	12.5			IS 13C10-Oxychlordane	53.9	23 - 135	
trans-Chlordane (gamma)	ND	12.7			IS 13C10-trans-Chlordane (gamma)	55.3	21 - 132	
trans-Nonachlor	ND	10.9			IS 13C10-trans-Nonachlor	49.4	14 - 136	
cis-Chlordane (alpha)	6.46			J	IS 13C12-2,4'-DDE	63.2	47 - 160	
2,4'-DDE	ND	2.76			IS 13C12-4,4'-DDE	54.2	47 - 160	
4,4'-DDE	ND	4.01			IS 13C12-Dieldrin	49.6	40 - 151	
Dieldrin	ND		2.51		IS 13C10-cis-Nonachlor	46.1	36 - 139	
cis-Nonachlor	ND	4.81			IS 13C12-2,4'-DDD	53.4	5 - 199	
2,4'-DDD	ND	5.85			IS 13C12-2,4'-DDT	52.5	5 - 199	
2,4'-DDT	ND	10.3			IS 13C12-4,4'-DDD	48.8	5 - 120	
4,4'-DDD	ND	6.34			IS 13C12-4,4'-DDT	57.7	5 - 120	
4,4'-DDT	ND		9.18					

DL - Sample specific estimated detection limit

LCL-UCL - Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

Sample ID: RAB-RB-2103091709

EPA Method 1699

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	QC Water	Lab Sample:	2103100-02
Project:	GascoSiltronic: US Moorings	Sample Size:	1.01 L	QC Batch:	B1C0128
Date Collected:	09-Mar-2021 17:09			Date Received:	11-Mar-2021 10:52
				Date Extracted:	14-Mar-2021 8:10
				Date Analyzed:	01-Apr-21 14:23 Column: ZB-50

Analyte	Conc. (pg/L)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	3.26			IS 13C6-Lindane (gamma-BHC)	77.7	11 - 120	
Aldrin	ND	0.968			IS 13C12-Aldrin	54.3	5 - 120	
Oxychlordane	ND	2.59			IS 13C10-Oxychlordane	69.8	23 - 135	
trans-Chlordane (gamma)	ND	3.02			IS 13C10-trans-Chlordane (gamma)	64.3	21 - 132	
trans-Nonachlor	ND	2.68			IS 13C10-trans-Nonachlor	62.5	14 - 136	
cis-Chlordane (alpha)	ND	2.46			IS 13C12-2,4'-DDE	32.3	47 - 160	H
2,4'-DDE	ND	2.56			IS 13C12-4,4'-DDE	86.2	47 - 160	
4,4'-DDE	2.58			J	IS 13C12-Dieldrin	89.3	40 - 151	
Dieldrin	ND		1.81		IS 13C10-cis-Nonachlor	75.5	36 - 139	
cis-Nonachlor	ND		1.09		IS 13C12-2,4'-DDD	78.0	5 - 199	
2,4'-DDD	ND	1.71			IS 13C12-2,4'-DDT	80.9	5 - 199	
2,4'-DDT	ND	3.27			IS 13C12-4,4'-DDD	68.6	5 - 120	
4,4'-DDD	ND	2.25			IS 13C12-4,4'-DDT	87.7	5 - 120	
4,4'-DDT	ND	3.33						

DL - Sample specific estimated detection limit

LCL-UCL - Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

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

Vista Analytical Laboratory Certifications

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

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

NELAP Accredited Test Methods

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

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

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

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

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

2103100 1.1°C

COC ID:

VISTA-20210309-182926

POC: # Delaney Peterson (360-715-2707)

Project: GascoSiltronic: US Moorings

Sample Custodian:

SN

1605 Cornwall Avenue, Bellingham, WA 98225

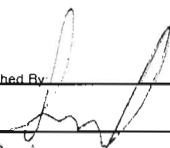
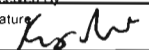
Client: NW Natural

Lab:

VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	RAB-FB-2103091636	FB	WQ	03/09/2021	16:36	4	<input type="checkbox"/>				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C
002	RAB-RB-2103091709	RB	WQ	03/09/2021	17:09	4	<input type="checkbox"/>				
								Dioxin/Furans	E1613B	30	4°C
								HR Pesticides	E1699	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature 	Signature 	Signature	Signature	Signature	Signature
Print Name <i>Delaney Peterson</i>	Print Name <i>Karen V. Avosta</i>	Print Name	Print Name	Print Name	Print Name
Company <i>Anchor OEA</i>	Company <i>VAL</i>	Company	Company	Company	Company
Date/Time <i>3/10/21 @ JFds</i>	Date/Time <i>03/11/21 10:52</i>	Date/Time	Date/Time	Date/Time	Date/Time

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



Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2103100 TAT std

Samples Arrival:	Date/Time: 03/11/21 10:52	Initials: K2	Location: WR-2
			Shelf/Rack: <u>N12</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: 1.1 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: <u>IR-4</u>
Temp °C: 1.1 (corrected)			

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>		
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>		
Airbill <u>/</u> Trk # <u>7731 2491 3937</u>	<input checked="" type="checkbox"/>		
Shipping Documentation Present?	<input checked="" type="checkbox"/>		
Shipping Container	Vista	<input checked="" type="checkbox"/> Client	Retain
		<input checked="" type="checkbox"/> Return	Dispose
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>		
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>		
Holding Time Acceptable?	<input checked="" type="checkbox"/>		
Logged In:	Date/Time: 03/11/21 1158	Initials: WWS	Location: WR-2
			Shelf/Rack: <u>B-1, C-2</u>
COC Anomaly/Sample Acceptance Form completed?		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2103100

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Report Matrix	Sample Comments
2103100-01	A RAB-FB-2103091636		09-Mar-21 16:36	Amber Glass NM Bottle, 1L	Aqueous	QC Water	
2103100-01	B RAB-FB-2103091636		09-Mar-21 16:36	Amber Glass NM Bottle, 1L	Aqueous	QC Water	
2103100-01	C RAB-FB-2103091636		09-Mar-21 16:36	Amber Glass NM Bottle, 1L	Aqueous	QC Water	
2103100-01	D RAB-FB-2103091636		09-Mar-21 16:36	Amber Glass NM Bottle, 1L	Aqueous	QC Water	
2103100-02	A RAB-RB-2103091709		09-Mar-21 17:09	Amber Glass NM Bottle, 1L	Aqueous	QC Water	
2103100-02	B RAB-RB-2103091709		09-Mar-21 17:09	Amber Glass NM Bottle, 1L	Aqueous	QC Water	
2103100-02	C RAB-RB-2103091709		09-Mar-21 17:09	Amber Glass NM Bottle, 1L	Aqueous	QC Water	
2103100-02	D RAB-RB-2103091709		09-Mar-21 17:09	Amber Glass NM Bottle, 1L	Aqueous	QC Water	

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

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Comments:

Preservation Documented: Na₂S₂O₃ Trizma NH₄CH₃CO₂ None Other

Verified by/Date: IM 03/11/21

EXTRACTION INFORMATION

Process Sheet
Workorder: 2103100

Prep Expiration: 2022-03-09
 Client: Anchor QEA, LLC

Workorder Due: 08-Apr-21 00:00

TAT: 28

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

Prep Batch: B1C0125

Prep Data Entered: IM 03/15/21
Date and Initials

Initial Sequence: S1C0031

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2103100-01 ^E	<input checked="" type="checkbox"/>	RAB-FB-2103091636	11-Mar-21 10:52	WR-2 B-1	
2103100-02 [↓]	<input checked="" type="checkbox"/>	RAB-RB-2103091709	11-Mar-21 10:52	WR-2 B-1	

Pre-Prep Check Out: CHT 03/12/21

Pre-Prep Check In: CHT 03/12/21

Prep Check Out: IM 03/14/21

Prep Check In: N/A

CHT 03/12/21

Prep Reconciled Initials/Date: CHT 03/21^{12/21}

Spike Reconciled Initials/Date: IM 03/14/21

VialBoxID: BLACK ROSE

PREPARATION BENCH SHEET

BIC0125

Chemist: IM

Prep Date/Time: 14-Mar-21

Matrix: Aqueous

Method: 1613 Full List

Method: 1613 2.3.7.8s Only

Method: 1613 2.3.7.8-TCDD Only

Prepared using: HRMS - Separatory Funnel

IM 03/15/21 KMT 03/15/21

VISTA Sample ID	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisol CHEM/ DATE	RS CHEM/WIT DATE
BIC0125-BLK1 (A)	N/A	N/A	(1.00)	IM ME 03/14/21	IM HS 03/15/21	N/A	IM 03/15/21	IM 03/15/21	IM 03/15/21	IM ME 03/15/21
BIC0125-BS1 (A)	↓	↓	(1.00)	↓	↓	↓	↓	↓	↓	↓
2103034-01 (E)	1513.04	511.25	1.00174 * 1.001 * KMT 03/15/21	↓	↓	↓	↓	↓	N/A	↓
2103039-01 (F)	1521.21	512.56	1.00865 * 1.008 * KMT 03/15/21	↓	↓	↓	↓	↓	↓	↓
2103050-01 (T)	1531.73	522.45	1.00938 * 1.009 * KMT 03/15/21	↓	↓	↓	↓	↓	IM 03/15/21	↓
2103058-01 (V)	1479.46	510.05	0.96941	↓	↓	↓	↓	↓	N/A	↓
2103062-01	1512.75	508.92	1.00383	↓	↓	↓	↓	↓	↓	↓
2103063-01 (B)	1522.44	509.04	1.01340	↓	↓	↓	↓	↓	↓	↓
2103095-01 (D)	1519.54	513.34	1.0062	↓	↓	↓	↓	↓	IM 03/15/21	↓
2103100-01 (P)	1537.08	517.87	1.01921	↓	↓	↓	↓	↓	↓	↓
2103100-02 (C)	1531.88	520.44	1.01444	↓	↓	↓	↓	↓	↓	↓

- (A) drops of sample splashed off sulfate funnel during sep funnel drop IM 03/14/21 * KMT 03/15/21
- (B) slow to connect to columns IM 03/15/21
- (C) channel in Flor column IM 03/15/21
- (D) slow to elute Flor column IM 03/15/21
- (E) a few drops of FV rinse splashed out IM 03/15/21

IS Name (Vb)	NS Name (V4)	CRS Name (Vb)	RS Name (V5)	Cycle Time	APP (SEFUN) SOX SDS	Check Out: Chemist/Date: IM 03/14/21
PCDD/F 2042602, 10µL	PCDD/F 20f0107, 10µL	PCDD/F 20H2501, 10µL	PCDD/F 2042502, 10µL	Start Date/Time: N/A	SOLV: DCM	Check In: Chemist/Date: N/A
PCB	PCB	PCB	PCB	Stop Date/Time: N/A	Other: N/A	Balance ID: HRMS-09
PAH	PAH	PAH	PAH		Final Volume(s) 20µL	
					C14	

Comments: Assume 1g = 1 mL
 1 = Sample approached dryness on rotovap
 2 = Sample bumped on rotovap; lost < 5%
 3 = Sample poured through Na2SO4 to remove water
 4 = Precipitate present at Final Volume
 5 = Sample Centrifuged to remove particulate
 6 = Added boiling chips to separatory funnel
 7 = Sample emulsed during shakeout

Batch: B1C0125

Matrix: Aqueous

LabNumber	WetWeight Initial (L)	% Solids (Extraction Solids)	DryWeight Initial (L)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2103034-01	1.00179 ✓			20 ✓	14-Mar-21 06:49	IM ✓			Drinking Water	1613 2,3,7,8-TCDD Only
2103039-01	1.00865 ✓			20	14-Mar-21 06:49	IM			Surface Water	1613 2,3,7,8-TCDD Only
2103050-01	1.00928 ✓			20	14-Mar-21 06:49	IM			Water	1613 2,3,7,8s Only
2103058-01	0.96941 ✓			20	14-Mar-21 06:49	IM			Brackish Water	1613 2,3,7,8-TCDD Only
2103062-01	1.00383 ✓			20	14-Mar-21 06:49	IM			Drinking Water	1613 2,3,7,8-TCDD Only
2103063-01	1.0134 ✓			20	14-Mar-21 06:49	IM			Drinking Water	1613 2,3,7,8-TCDD Only
2103095-01	1.0062 ✓			20	14-Mar-21 06:49	IM			Wastewater	1613 Full List
2103100-01	1.01921 ✓			20	14-Mar-21 06:49	IM			QC Water	1613 Full List
2103100-02	1.01144 ✓			20	14-Mar-21 06:49	IM			QC Water	1613 Full List
B1C0125-BLK1	1 ✓			20	14-Mar-21 06:49	IM				QC
B1C0125-BS1	1 ✓			20 ✓	14-Mar-21 06:49 ✓	IM ✓	20F0107 ✓	10 ✓		QC

All bolded data on report verified against written benchsheet by (initial/date) IM 03/15/21

Printed: 3/15/2021 1:35:06PM
Page 1 of 1

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B1C0105

Analyst: CHT	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <i>KMT 03/15/21</i>
Analyte:	Units: %	
Oven ID: <i>01</i> 02	Dried at 110°C +/- 5°C	

Inst
HRMS-9 ✓

Date/Time IN: 03/12/21 1039
Date/Time OUT: 03/15/21 0725 ✓

B		C	D	E		F	G	H	I	K		L	M	N	O	P
Particle Size	SampleID	SampType	Initial and Date:	Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*		
	2103100-01RE1 / B ✓	Sample	CHT 03/12/21 ✓	1.2700 ✓	14.3500 ✓	1.2700 ✓	0.0000	0.00	Clear ✓	0	5	N/A	N/A	X ✓		
	2103100-02RE1 / B ✓	Sample	KMT 03/15/21 ✓	1.2600 ✓	13.1000 ✓	1.2600 ✓	0.0000	0.00	Clear ✓	0	5	N/A	N/A	X ✓		

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B1C0105

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

Inst HRMS-9

Date/Time IN: 03/12/21
 Date/Time OUT: 03/15/21

Particle Size	SampleID	SampType	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	Sample Homogenized*
	2103100-01RE1	Sample	<u>CAT 03/12/21</u>	<u>1.27</u>	<u>14.35</u>	<u>1.27</u>		<u>Clear</u>	<u>0</u>	<u>5</u>			<u>✓</u>
	2103100-02RE1	Sample	<u>KMS 03/15/21</u>	<u>1.26</u>	<u>13.10</u>	<u>1.26</u>		<u>↓</u>	<u>0</u>	<u>5</u>			<u>↓</u>

*Sample homogenized in sample container unless otherwise noted.

Process Sheet
Workorder: 2103100

Prep Expiration: 2021-03-16
Client: Anchor QEA, LLC

Workorder Due: 08-Apr-21 00:00
TAT: 28

Method: 1699 Full List
Matrix: Aqueous
Client Matrix: QC Water
Also run: Percent Solids

Prep Batch: B/C0128
Prep Data Entered: 03/24/21 DG
Date and Initials
Initial Sequence: SLC0059

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2103100-01 A	<input checked="" type="checkbox"/>	RAB-FB-2103091636	11-Mar-21 10:52	WR-2 B-1	
2103100-02 A	<input checked="" type="checkbox"/>	RAB-RB-2103091709	11-Mar-21 10:52	WR-2 B-1	

Pre-Prep Check Out: CHT 03/12/21
Pre-Prep Check In: CHT 03/12/21

Prep Check Out: DG 03/14/21
Prep Check In: EMPTY

Prep Reconciled Initials/Date: CHT 03/12/21
Spike Reconciled Initials/Date: DG 03/14/21
VialBoxID: 1

PREPARATION BENCH SHEET

Matrix: Aqueous
Method: 1699 Full List

B1C0128

Chemist: DG
Prep Date/Time: 14-Mar-21 0953

Prepared using: HRMS - Separatory Funnel

VISTA Sample ID	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	Charcoal CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
BIC0128-BLK1	NA	NA	(1.00)	DG 03/14/21	NA	NA	DG 03/23/21	DG 03/24/21	DG 03/24/21	DG 03/24/21
BIC0128-BS1	NA	NA	(1.00)							
2103085-01 (B)	1540.76	512.30	1.02846							
2103085-02 (B)(C)	1531.02	512.21	1.01881					NA	NA	NA
2103086-01	1535.70	512.63	1.02307					DG 03/24/21	DG 03/24/21	DG 03/24/21
2103087-01 (B)	1515.53	508.80	1.00673							
2103100-01 (A)(B)(D)	1523.13	518.24	1.00489							
2103100-02	1526.16	517.92	1.00824							
2103110-01 (7)	1542.65	518.24*	1.01911				Yellow Ring			
2103110-02 (7)(B)	1558.10	522.93	1.03517							
2103110-03 (A)(B)	1555.60	525.10	1.0305							
2103111-03 (7)(B)	1273.78	393.59	0.88019							
2103111-04 (7)	1278.02	399.36	0.87866							

(A) Leak in sept. funnel. DG 03/14/21 (7) DG 03/14/21
 (B) Tiny but persistent bubbles on rotavap. DG 03/23/21 * 523.54 R2 03/19/21
 (C) Rotavap dropped sample. DG 03/24/21
 (D) Broken glass from pipette in conical vial at final volume. DG 03/24/21

IS Name (V9)	NS Name (V1)	CRS Name	RS Name (V9)	Cycle Time	APP: SEFUN SOX SDS	Check Out: DG 03/14/21
PCDD/F	PCDD/F	PCDD/F NA	PCDD/F	Start Date/Time: NA	SOLV: DCM	Check In: NA
PCB	PCB	PCB	PCB	Stop Date/Time: NA	Other: NA	Chemist/Date: NA
PAH	PAH	PAH	PAH	Final Volume(s) 20ul C9		Balance ID: HRMS-10
1699 20B2016, 10ul	19I3003, 10ul		20B2017, 10ul			

Comments: Assume 1 g = 1 mL

- 1 = Sample approached dryness on rotovap
- 2 = Sample bumped on rotovap; lost < 5%
- 3 = Sample poured through Na2SO4 to remove water
- 4 = Precipitate present at Final Volume
- 5 = Sample Centrifuged to remove particulate
- 6 = Added boiling chips to separatory funnel
- 7 = Sample emulsed during shakeout

Batch: B1C0128

Matrix: Aqueous

LabNumber	WetWeight Initial (L)	% Solids (Extraction Solids)	DryWeight Initial (L)	Final (uL)	Extracted	Ext By	Spike	SpikeAmount (uL)	ClientMatrix	Analysis
2103085-01 ✓	1.02846 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓			Urban Runoff	1699 Full List
2103085-02	1			20	14-Mar-21 08:10	DG			Urban Runoff	1699 Full List
2103086-01 ✓	1.02307 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓			Urban Runoff	1699 Full List
2103087-01 ✓	1.00673 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓			Urban Runoff	1699 Full List
2103100-01 ✓	1.00489 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓			QC Water	1699 Full List
2103100-02 ✓	1.00824 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓			QC Water	1699 Full List
2103110-01 ✓	1.01911 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓			Receiving Water	1699 Full List
2103110-02 ✓	1.03517 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓			Stormwater	1699 Full List
2103110-03 ✓	1.0305 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓			QC Water	1699 Full List
2103111-03 ✓	0.88019 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓			Surface Water	1699 Full List
2103111-04 ✓	0.87866 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓			Surface Water	1699 Full List
B1C0128-BLK1 ✓	1 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓				QC
B1C0128-BS1 ✓	1 ✓			20 ✓	14-Mar-21 08:10 ✓	DG ✓				QC

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

DG 03/24/21

Printed: 3/24/2021 5:27:41PM
Page 1 of 1

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B1C0104

Analyst: CHT ✓	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) RR 03/19/21 ✓
Analyte:	Units: %	
Oven ID: <u>01</u> 02 Dried at 110°C +/- 5°C		

Inst HRMS-09 ✓ Date/Time IN: 03/12/21 1039 ✓ Date/Time OUT: 03/19/21 1610 ✓

B		C	D	E		F	G	H	I	K		L	M	N	O	P
Particle Size	SampID	A	SampType	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	CHT 03/12/21 ✓		pH Before	pH After	Acid Added	Sample Homogenized*
				Pan Tare Wt. (gms)							CHT 03/12/21 ✓	RR 03/19/21 ✓				
	2103100-01	A ✓	Sample	1.2700 ✓		13.6500 ✓	1.2700 ✓	0.0000	0.00	CLEAR ✓	0 ✓	5 ✓	NA	NA		X ✓
	2103100-02	A ✓	Sample	1.2700 ✓		14.9400 ✓	1.2700 ✓	0.0000	0.00	CLEAR ✓	0 ✓	5 ✓	NA	NA		X ✓

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B1C0104

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

Inst HAMS-9

Date/Time IN: 03/12/21 1039
Date/Time OUT: 03/19/21 1610

Particle Size	SampID	SampType	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	CHT 03/12/21			N/A		Sample Homogenized*
			Pan Tare Wt. (gms)						Visual Inspection	Cl-	pH Before	pH After	Acid Added	
	2103100-01	<u>A</u> ↓ Sample	1.27		13.65	1.27		<u>N/A</u>	<u>Clear</u> ↓	0	5	<u>N/A</u>		<u>↓</u>
	2103100-02	↓ Sample	1.27		14.94	1.27				0	5			<u>↓</u>

*Sample homogenized in sample container unless otherwise noted.

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG12.PRO\Results\210315R3\210315R3_7.qld

Last Altered: Tuesday, March 16, 2021 16:01:20 Pacific Daylight Time
Printed: Tuesday, March 16, 2021 16:04:04 Pacific Daylight Time

dy 03-16-2021

Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

07/03/17/2021

Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD			NO	1.01	1.000	25.996		1.001				0.314	
2	2 1,2,3,7,8-PeCDD			NO	0.995	1.000	30.928		1.001				0.460	
3	3 1,2,3,4,7,8-HxCDD			NO	1.06	1.000	34.221		1.001				0.382	
4	4 1,2,3,6,7,8-HxCDD			NO	0.940	1.000	34.336		1.001				0.420	
5	5 1,2,3,7,8,9-HxCDD			NO	0.957	1.000	34.587		1.000				0.432	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.960	1.000	38.069		1.000				0.929	
7	7 OCDD			NO	0.912	1.000	40.996		1.000				1.32	
8	8 2,3,7,8-TCDF			NO	0.804	1.000	25.228		1.000				0.197	
9	9 1,2,3,7,8-PeCDF			NO	0.994	1.000	29.589		1.000				0.269	
10	10 2,3,4,7,8-PeCDF			NO	1.14	1.000	30.707		1.001				0.226	
11	11 1,2,3,4,7,8-HxCDF			NO	0.956	1.000	33.320		1.000				0.261	
12	12 1,2,3,6,7,8-HxCDF			NO	0.906	1.000	33.466		1.001				0.254	
13	13 2,3,4,6,7,8-HxCDF			NO	0.963	1.000	34.105		1.001				0.274	
14	14 1,2,3,7,8,9-HxCDF	2.89e2	1.56	YES	0.927	1.000	35.059	35.07	1.000	1.001	0.92563		0.214	0.811
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.957	1.000	36.595		1.000				0.425	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.10	1.000	38.750		1.000				0.436	
17	17 OCDF			NO	0.775	1.000	41.268		1.000				1.02	
18	18 13C-2,3,7,8-TCDD	1.15e6	0.78	NO	1.15	1.000	25.964	25.97	1.033	1.033	2180.8	109	2.30	
19	19 13C-1,2,3,7,8-PeCDD	7.55e5	0.63	NO	0.830	1.000	30.878	30.90	1.228	1.229	1982.4	99.1	2.52	
20	20 13C-1,2,3,4,7,8-HxCDD	5.35e5	1.29	NO	0.703	1.000	34.215	34.20	1.014	1.014	1957.2	97.9	4.16	
21	21 13C-1,2,3,6,7,8-HxCDD	6.06e5	1.31	NO	0.809	1.000	34.316	34.31	1.017	1.017	1927.0	96.4	3.62	
22	22 13C-1,2,3,7,8,9-HxCDD	5.65e5	1.26	NO	0.733	1.000	34.593	34.58	1.025	1.025	1982.9	99.1	3.99	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.93e5	1.05	NO	0.497	1.000	38.209	38.06	1.133	1.128	2035.6	102	5.39	
24	24 13C-OCDD	5.37e5	0.90	NO	0.462	1.000	40.942	40.99	1.214	1.215	2991.2	74.8	7.58	
25	25 13C-2,3,7,8-TCDF	1.67e6	0.78	NO	0.977	1.000	25.225	25.23	1.003	1.004	2301.0	115	2.81	
26	26 13C-1,2,3,7,8-PeCDF	1.16e6	1.60	NO	0.759	1.000	29.574	29.59	1.176	1.177	2049.4	102	3.98	
27	27 13C-2,3,4,7,8-PeCDF	1.16e6	1.61	NO	0.657	1.000	30.690	30.69	1.221	1.221	2376.2	119	4.60	
28	28 13C-1,2,3,4,7,8-HxCDF	7.47e5	0.52	NO	0.950	1.000	33.300	33.31	0.987	0.987	2023.3	101	4.88	
29	29 13C-1,2,3,6,7,8-HxCDF	8.52e5	0.52	NO	1.10	1.000	33.429	33.45	0.991	0.991	1996.7	99.8	4.22	
30	30 13C-2,3,4,6,7,8-HxCDF	7.79e5	0.52	NO	0.957	1.000	34.097	34.08	1.011	1.010	2094.3	105	4.84	
31	31 13C-1,2,3,7,8,9-HxCDF	6.73e5	0.53	NO	0.821	1.000	35.082	35.05	1.040	1.039	2112.7	106	5.65	

Dataset: U:\VG12.PRO\Results\210315R3\210315R3_7.qld

Last Altered: Tuesday, March 16, 2021 16:01:20 Pacific Daylight Time

Printed: Tuesday, March 16, 2021 16:04:04 Pacific Daylight Time

Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.39e5	0.44	NO	0.663	1.000	36.644	36.58	1.086	1.084	2093.5	105	4.94	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.93e5	0.44	NO	0.475	1.000	38.904	38.74	1.153	1.148	2130.3	107	6.88	
34	34 13C-OCDF	8.22e5	0.89	NO	0.632	1.000	41.664	41.26	1.235	1.223	3349.6	83.7	6.04	
35	35 37Cl-2,3,7,8-TCDD	4.45e5			1.04	1.000	25.974	25.99	1.033	1.034	932.51	117	0.446	
36	36 13C-1,2,3,4-TCDD	9.17e5	0.78	NO	1.00	1.000	25.180	25.14	1.000	1.000	2000.0	100	2.65	
37	37 13C-1,2,3,4-TCDF	1.49e6	0.81	NO	1.00	1.000	23.540	23.48	1.000	1.000	2000.0	100	2.74	
38	38 13C-1,2,3,4,6,9-HxCDF	7.77e5	0.52	NO	1.00	1.000	33.740	33.74	1.000	1.000	2000.0	100	4.63	
39	39 Total Tetra-Dioxins				1.01	1.000	24.620		0.000				0.209	
40	40 Total Penta-Dioxins				0.995	1.000	29.960		0.000		0.00000		0.228	1.11
41	41 Total Hexa-Dioxins				0.940	1.000	33.635		0.000		0.00000		0.225	1.46
42	42 Total Hepta-Dioxins				0.960	1.000	37.640		0.000				0.309	
43	43 Total Tetra-Furans				0.804	1.000	23.610		0.000				0.0882	
44	44 1st Func. Penta-Furans				0.994	1.000	26.930		0.000				0.0575	
45	45 Total Penta-Furans				0.994	1.000	29.275		0.000				0.134	
46	46 Total Hexa-Furans				0.963	1.000	33.555		0.000		0.00000		0.156	0.811
47	47 Total Hepta-Furans				0.957	1.000	37.835		0.000				0.228	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210315R3\210315R3_7.qld

Last Altered: Tuesday, March 16, 2021 16:01:20 Pacific Daylight Time

Printed: Tuesday, March 16, 2021 16:04:04 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

Tetra-Dioxins

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

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	29.34	2.487e3	1.148e4	1.612e2	5.795e2	0.28	YES	0.000e0	0.00000	1.1099	0.460

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	34.07	1.052e4	2.908e3	5.806e2	1.743e2	3.33	YES	0.000e0	0.00000	1.4607	0.429

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210315R3\210315R3_7.qld

Last Altered: Tuesday, March 16, 2021 16:01:20 Pacific Daylight Time

Printed: Tuesday, March 16, 2021 16:04:04 Pacific Daylight Time

Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

Penta-Furans

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

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8,9-HxCDF	35.07	2.588e3	2.050e3	1.759e2	1.131e2	1.56	YES	2.891e2	0.00000	0.81132	0.214

Hepta-Furans

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

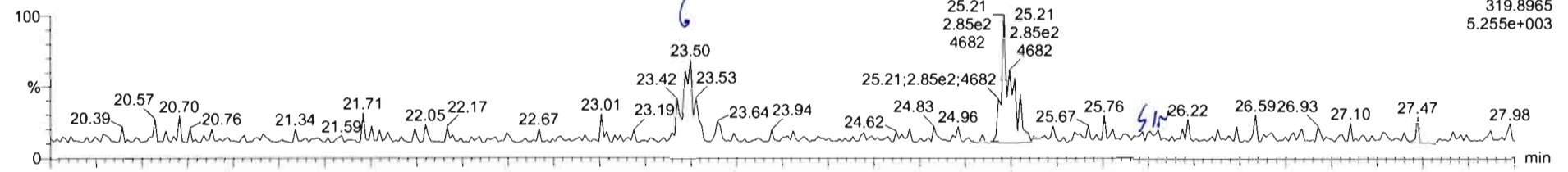
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Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

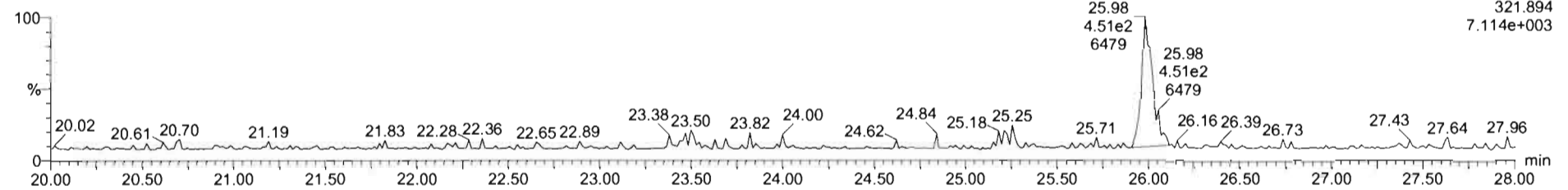
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2,3,7,8-TCDD

210315R3_7

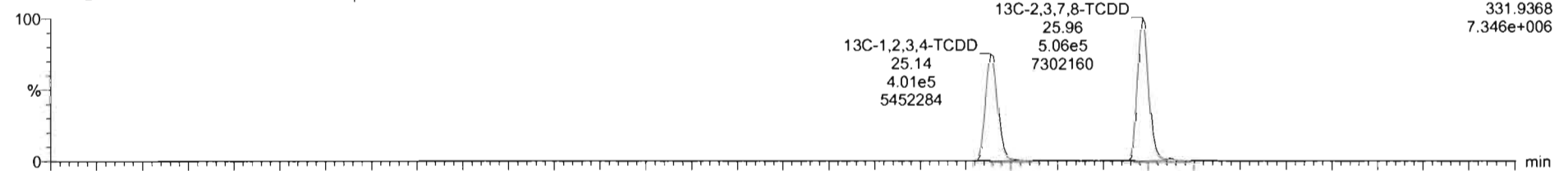


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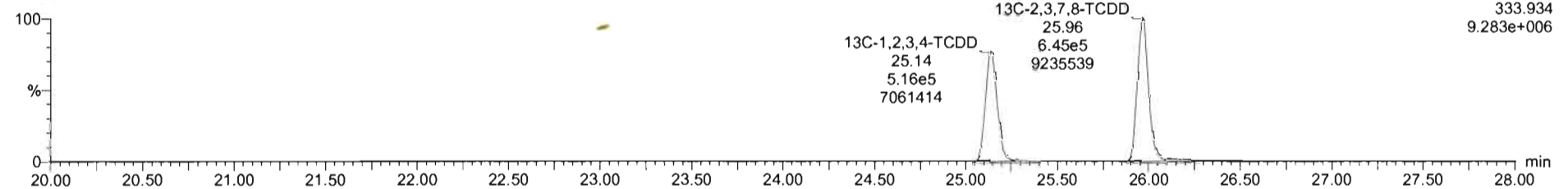


13C-2,3,7,8-TCDD

210315R3_7



210315R3_7



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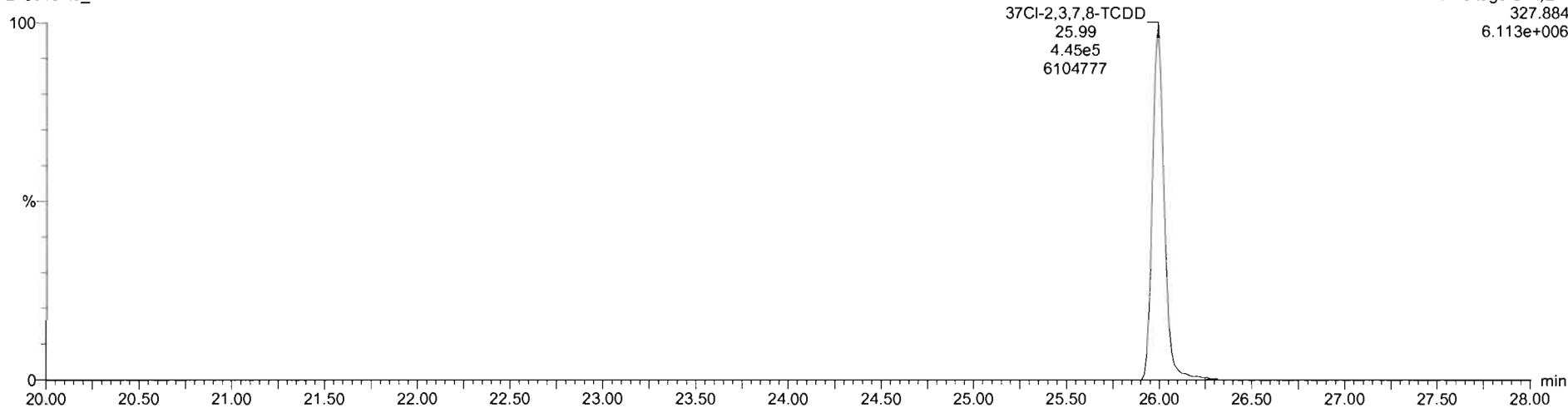
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Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

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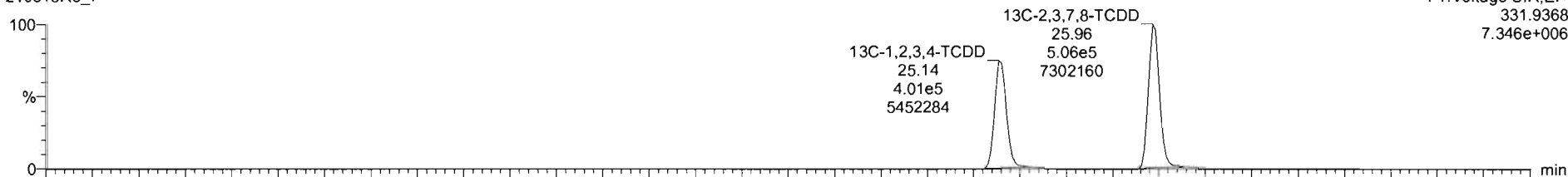
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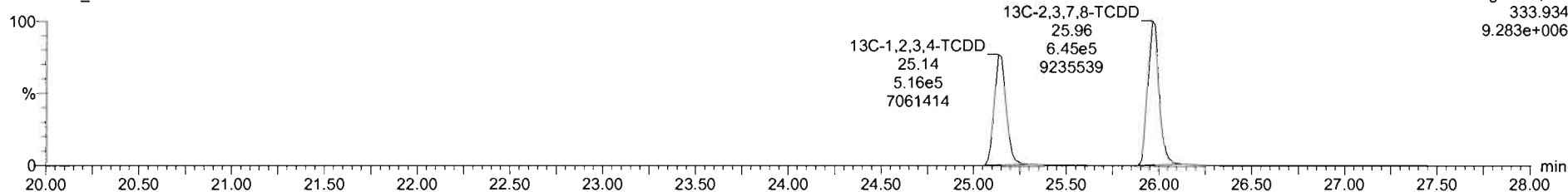


13C-1,2,3,4-TCDD

210315R3_7



210315R3_7



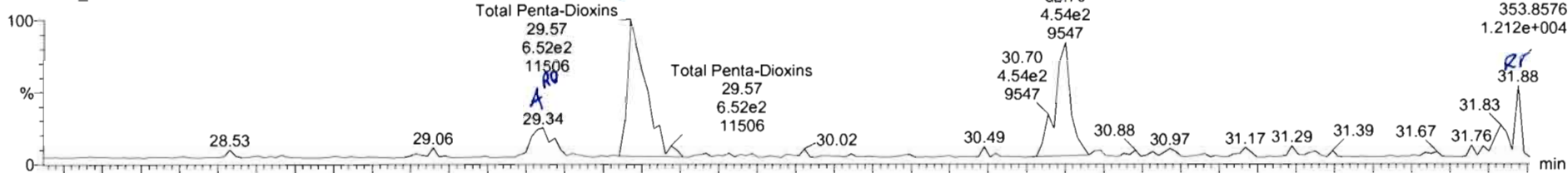
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Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

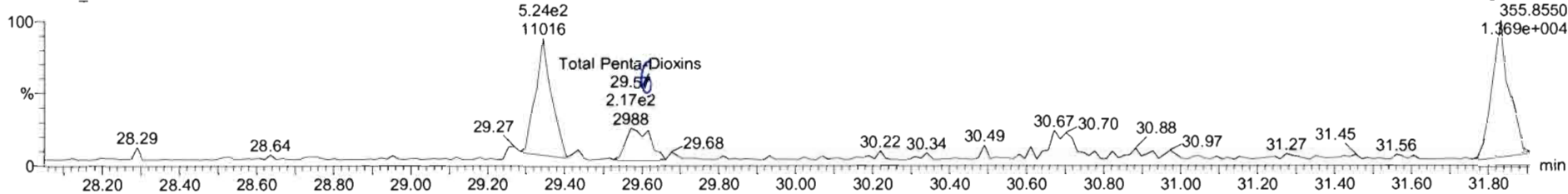
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1,2,3,7,8-PeCDD

210315R3_7

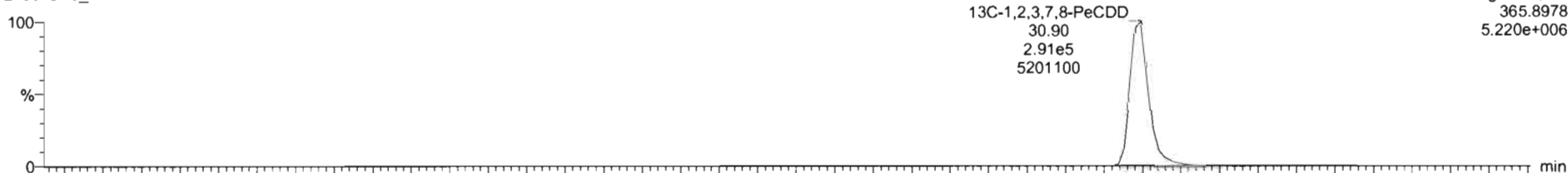


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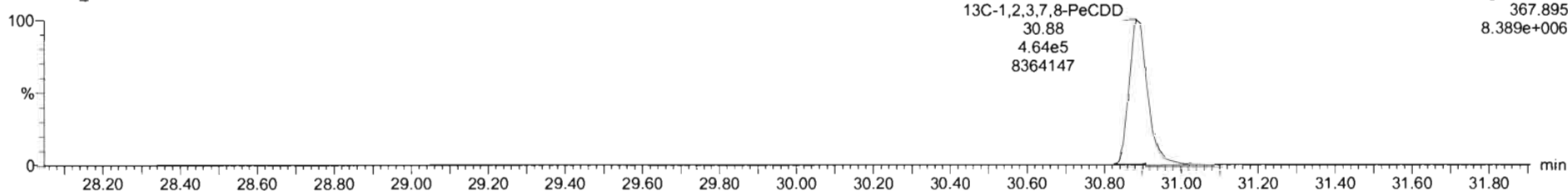


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210315R3_7



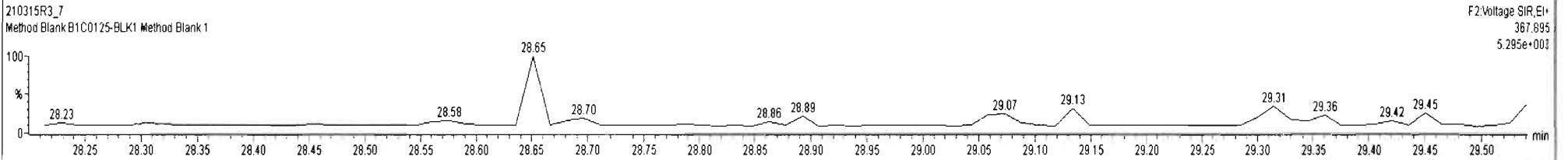
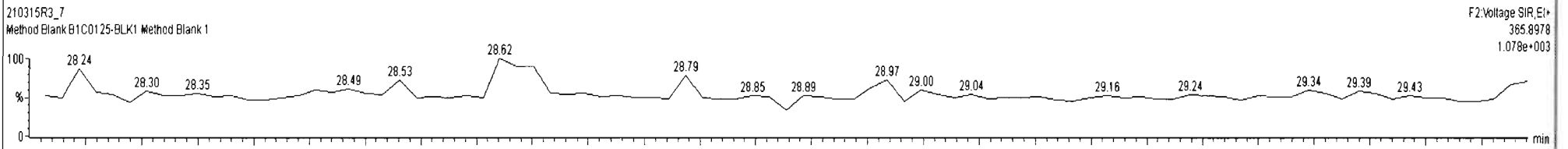
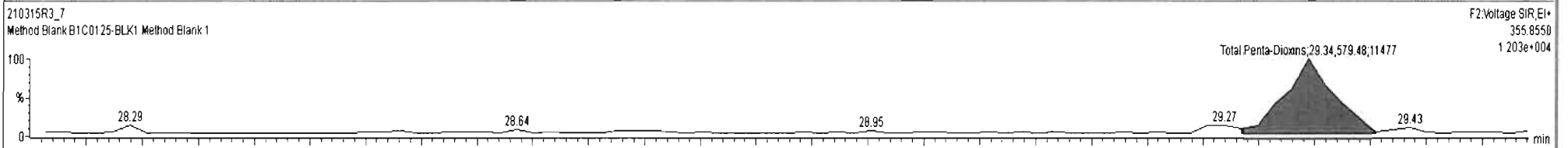
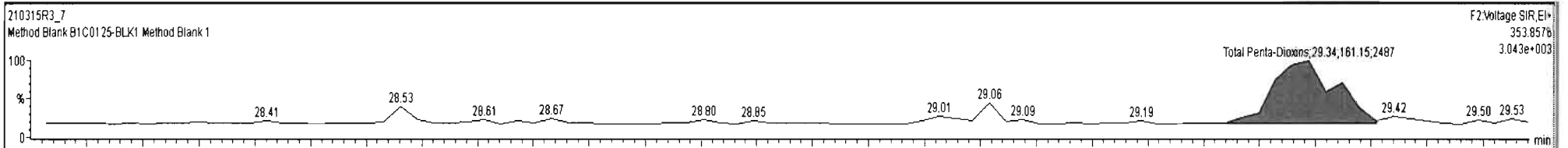
210315R3_7



210315R3_7 - B1C0125-BLK1 Method Blank 1 - Method Blank

#	Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				1.0087	1.000					0.209	
40	Total Penta-Dioxins				0.9952	1.000			0.000		0.226	1.11
41	Total Hexa-Dioxins				0.9404	1.000			0.000		0.225	2.24
42	Total Hepta-Dioxins				0.9601	1.000			0.000		0.309	5.94
43	Total Tetra-Furans				0.8039	1.000					0.0882	

#	Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1	Total Penta-Dioxins	29.34	1.612e2	5.795e2	0.28	YES	1.1099	0.00000



Ready

210315R3_7

Dataset: Untitled

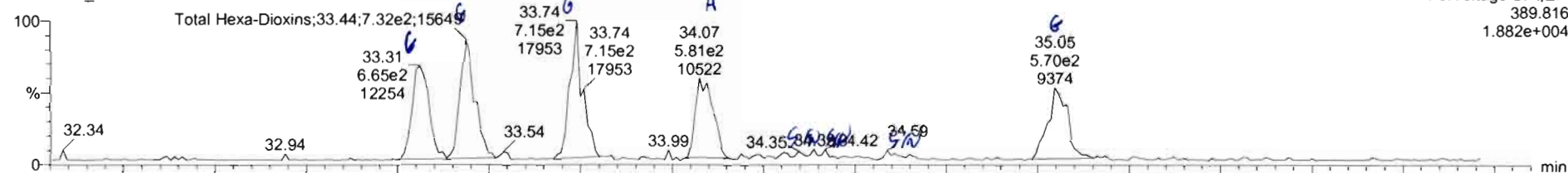
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Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

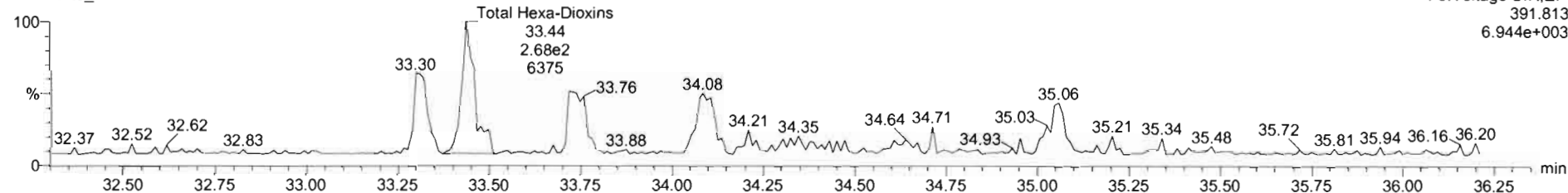
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1,2,3,4,7,8-HxCDD

210315R3_7

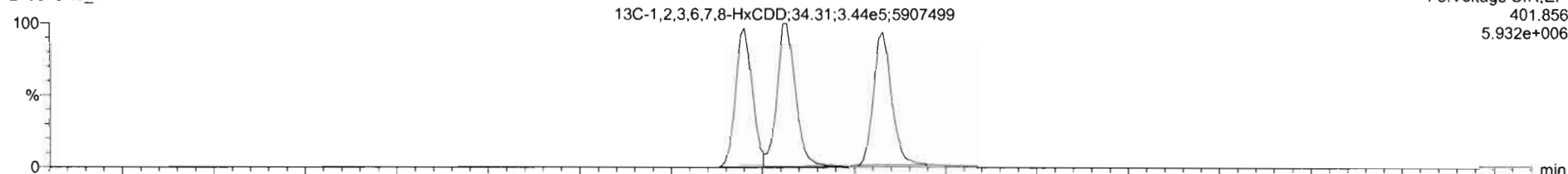


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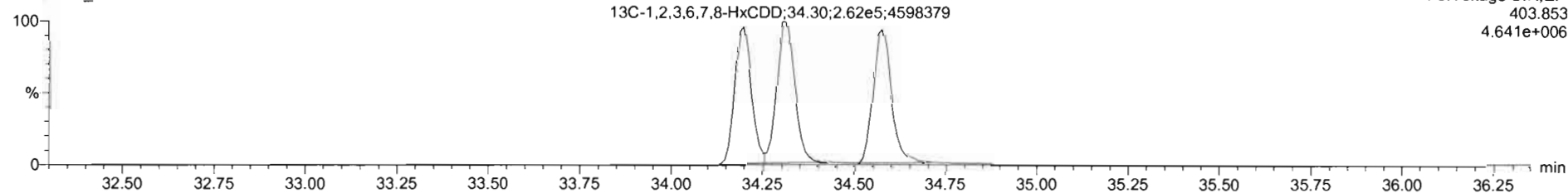


13C-1,2,3,4,7,8-HxCDD

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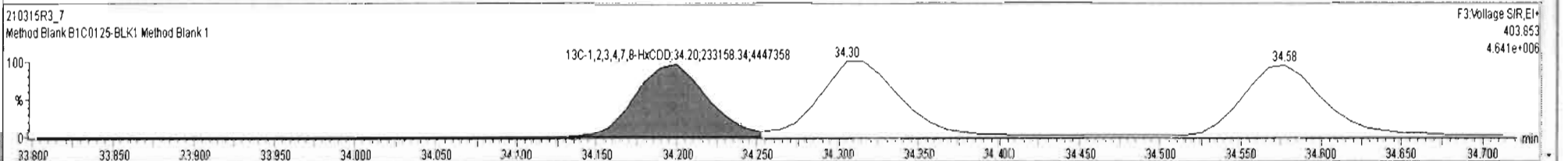
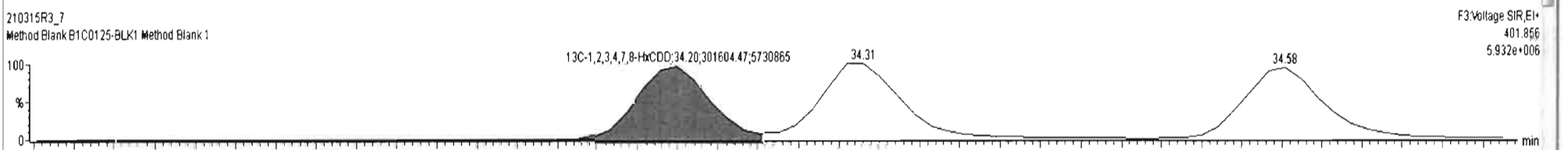
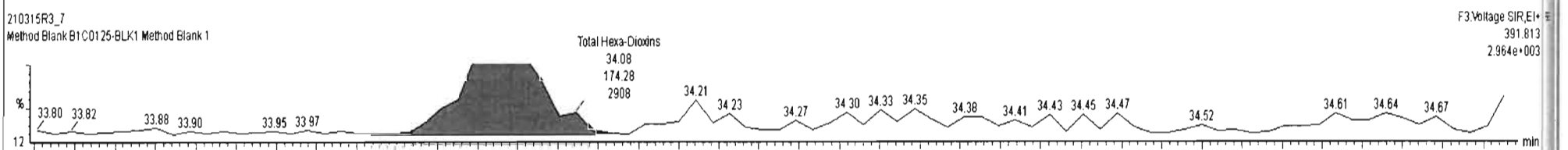
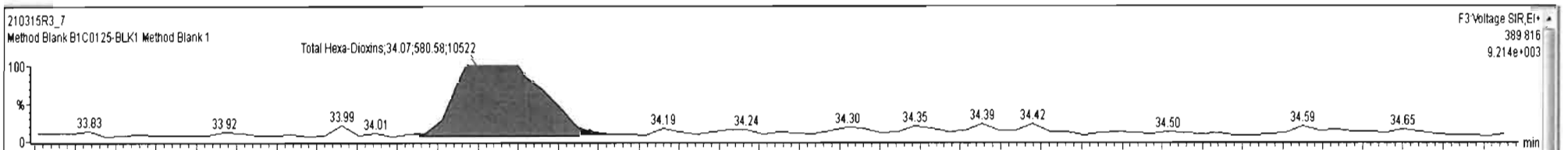


210315R3_7



Name	Resp	RA	nLy	RRF	wtVol	RT	RR1	Conc	%Rec	DL	EMPC
41 Total Hexa-Dioxins				0.9404	1.000			0.000		0.225	1.46
42 Total Hepta-Dioxins				0.9601	1.000			0.000		0.309	5.94
43 Total Tetra-Furans				0.8039	1.000					0.0862	
44 1st Func. Penta-Furans				0.9945	1.000					0.0577	
45 Total Penta-Furans				0.9945	1.000					0.134	

Name	RT	m1 Resp	m2 Resp	RA	nLy	EMPC	Conc.
1 Total Hexa-Dioxins	34.07	5.806e2	1.743e2	3.33	YES	1.4607	0.00000

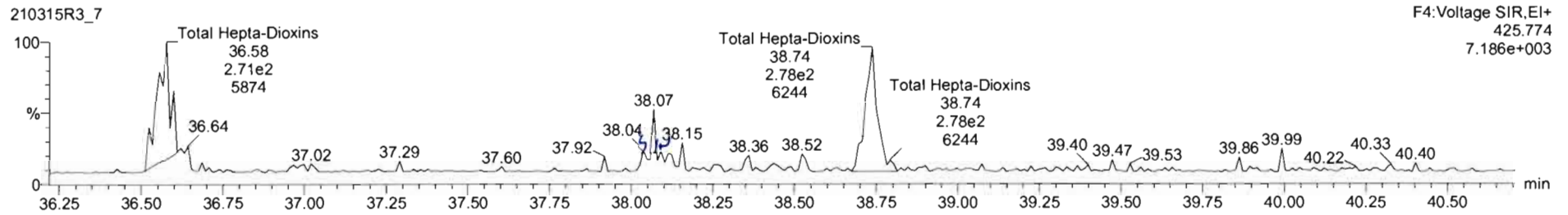
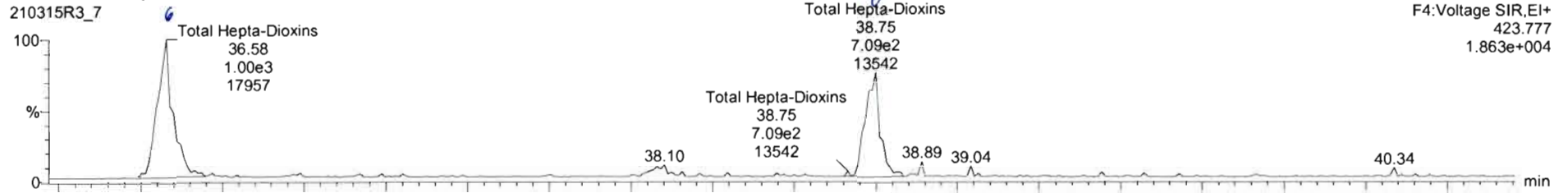


Dataset: Untitled

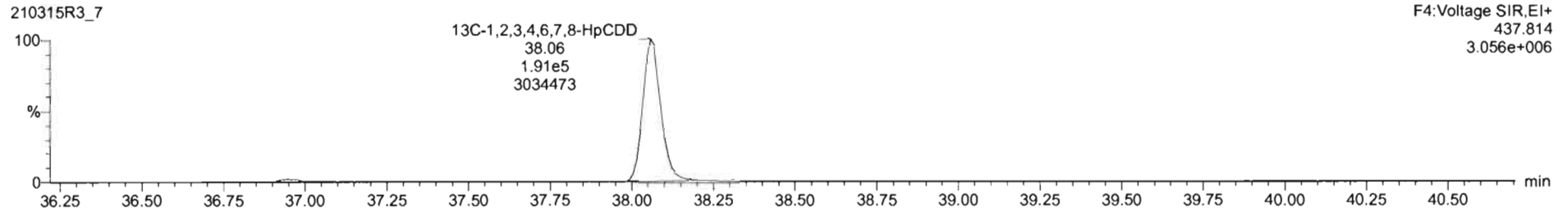
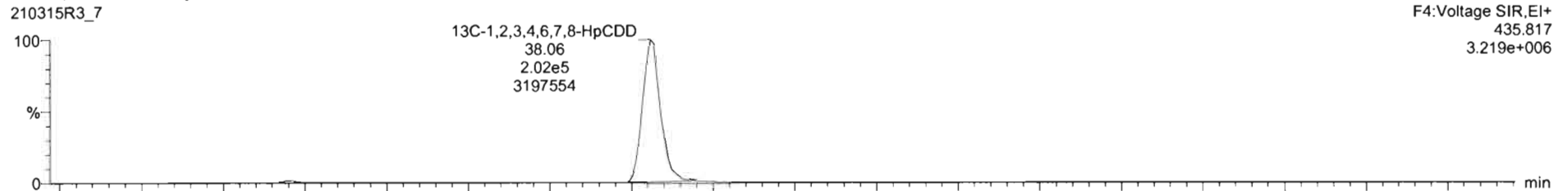
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Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

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



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



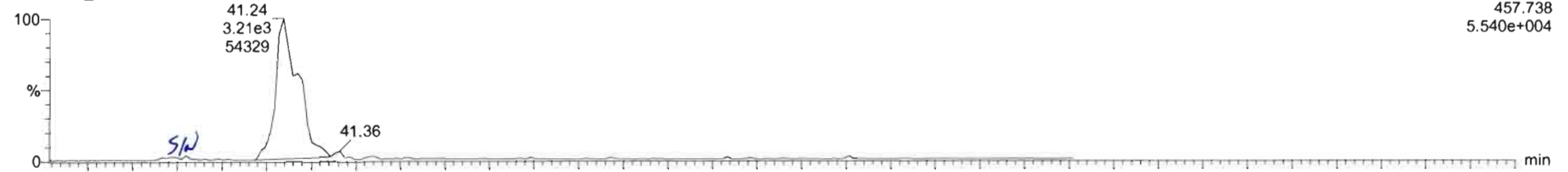
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Last Altered: Tuesday, March 16, 2021 9:25:35 AM Pacific Daylight Time
Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

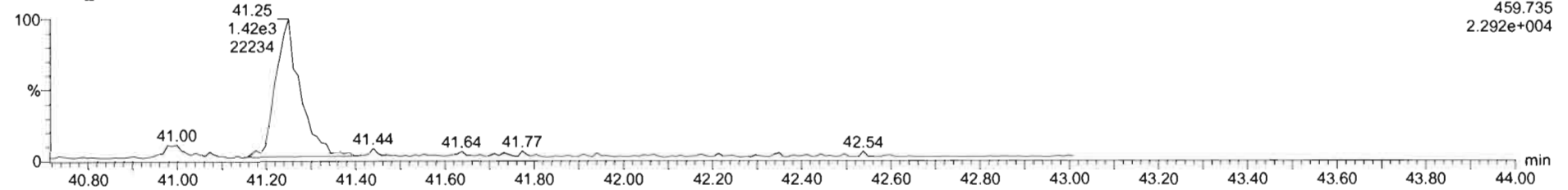
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OCDD

210315R3_7

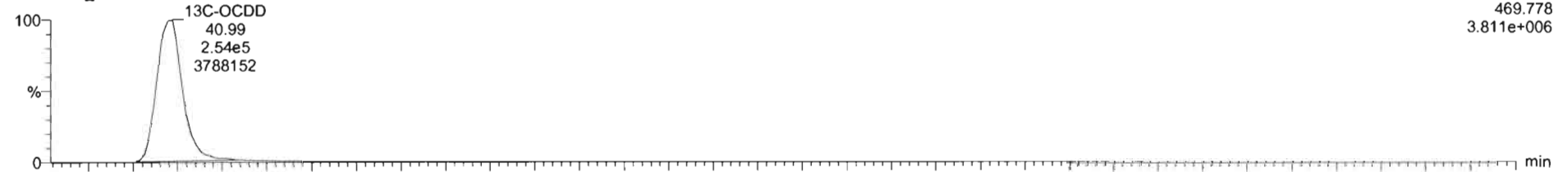


210315R3_7

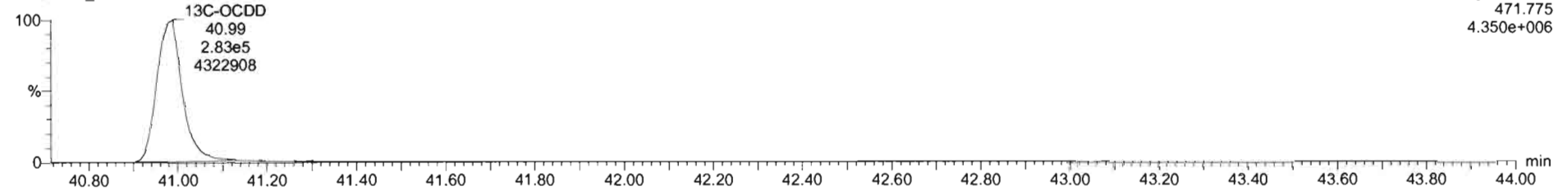


13C-OCDD

210315R3_7



210315R3_7



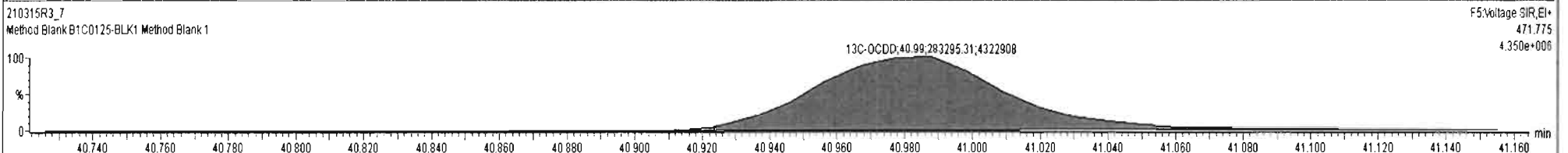
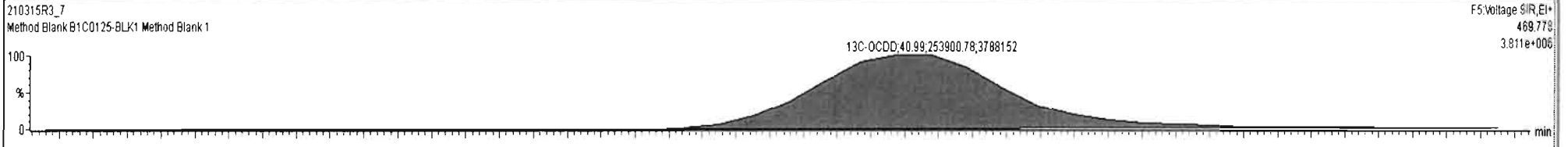
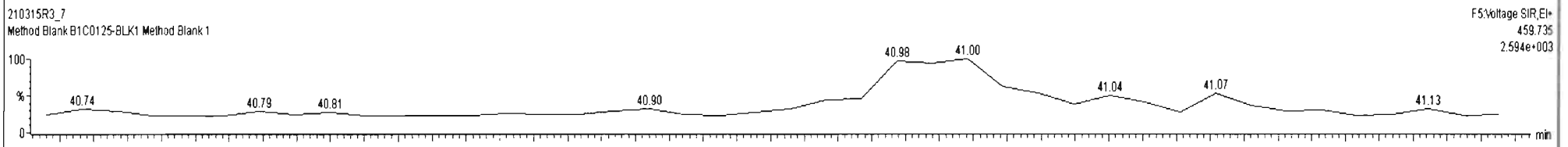
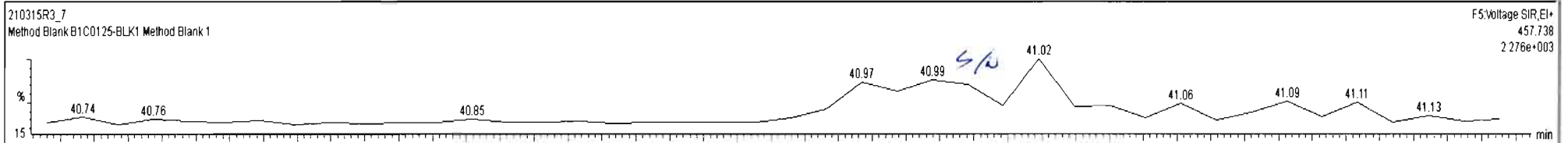
Targetlynx - 210315R3_7* - [Chromatogram]

File Edit View Display Processing Window Help

210315R3_7 - B1C0125-BLK1 Method Blank 1 - Method Blank

Name	Resp.	RA	n/y	RRE	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD		NO	0.9117	1.000					1.32	
8	2,3,7,8-TCDF		NO	0.6039	1.000					0.197	
9	1,2,3,7,8-PeCDF		NO	0.9945	1.000					0.270	
10	2,3,4,7,8-PeCDF		NO	1.1352	1.000					0.226	
11	1,2,3,4,7,8-HxCDF		NO	0.9556	1.000					0.261	

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



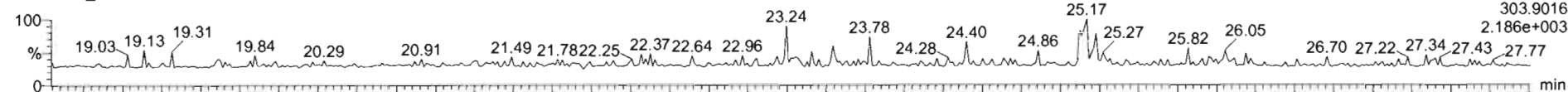
Dataset: Untitled

Last Altered: Tuesday, March 16, 2021 9:25:35 AM Pacific Daylight Time
Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

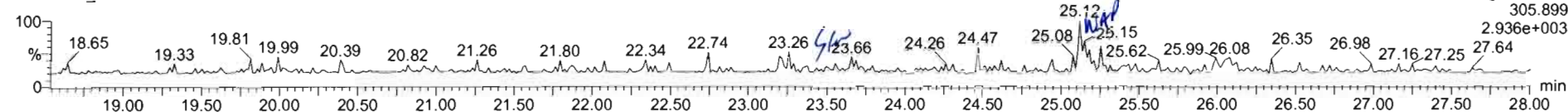
Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

2,3,7,8-TCDF

210315R3_7

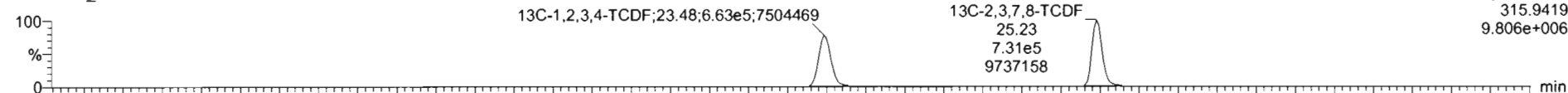


210315R3_7

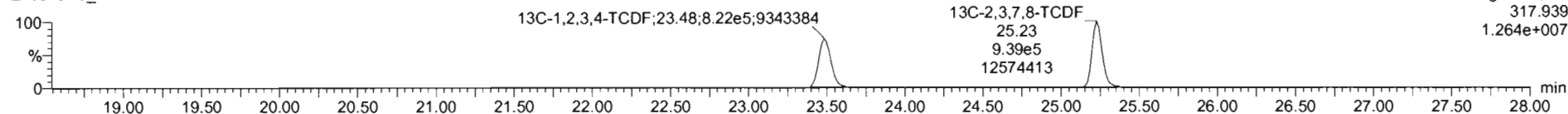


13C-2,3,7,8-TCDF

210315R3_7

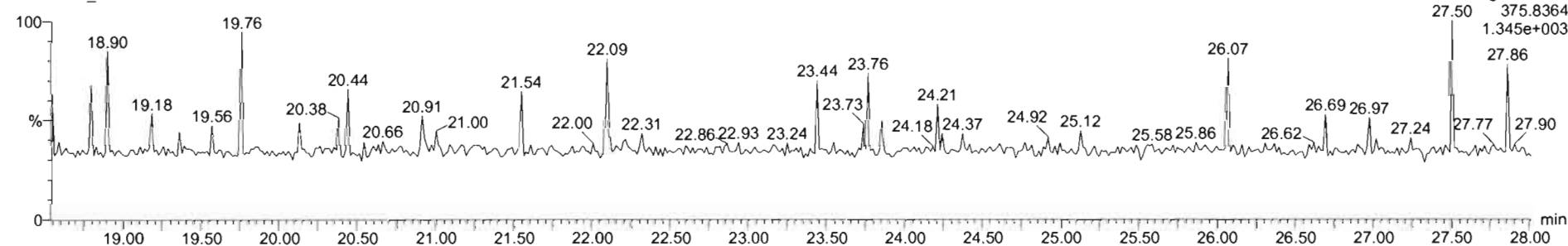


210315R3_7



DPE1

210315R3_7



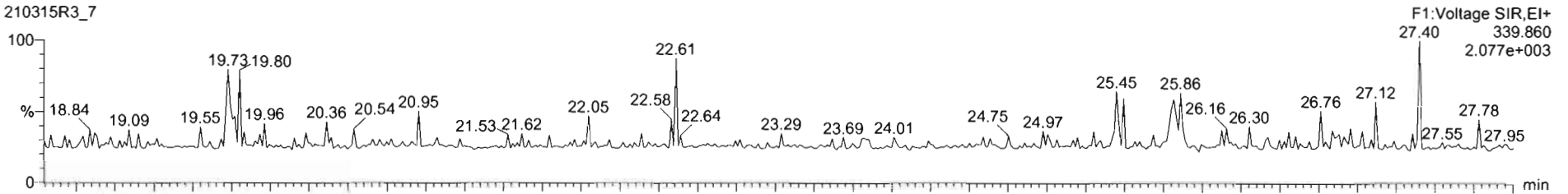
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Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

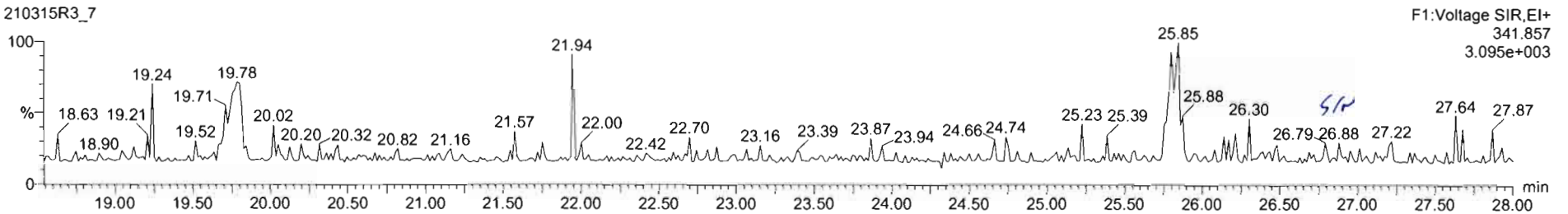
Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

1st Func. Penta-Furans

210315R3_7

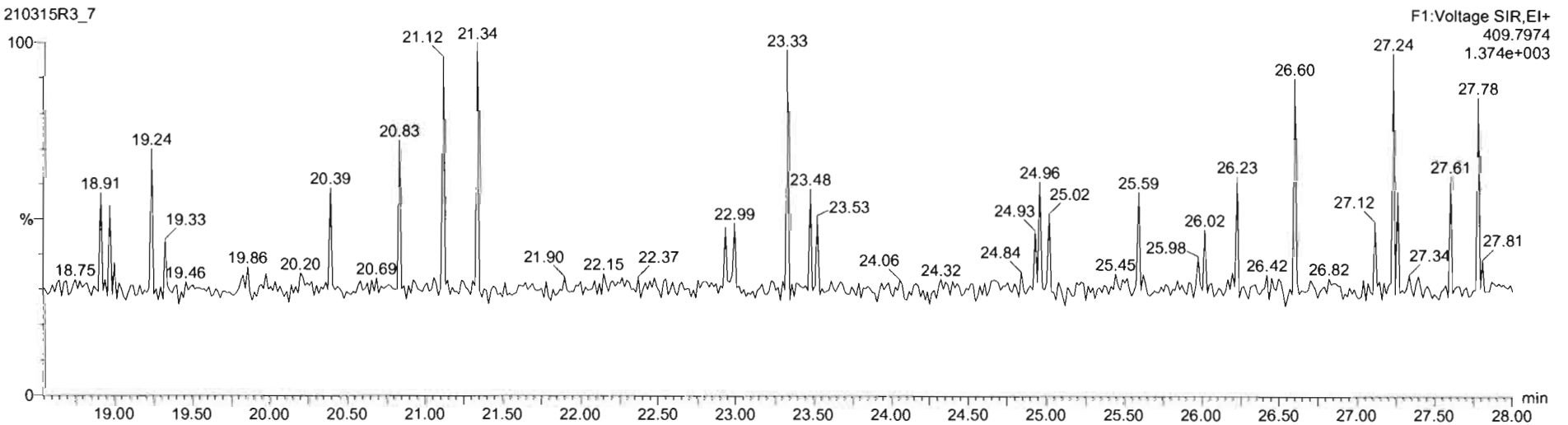


210315R3_7



DPE6

210315R3_7

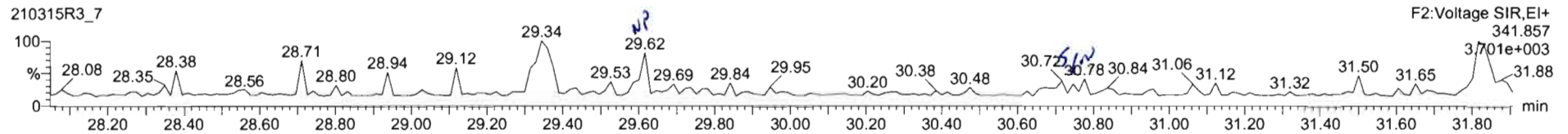
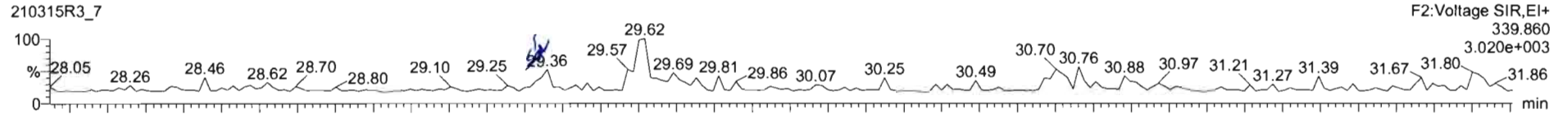


Dataset: Untitled

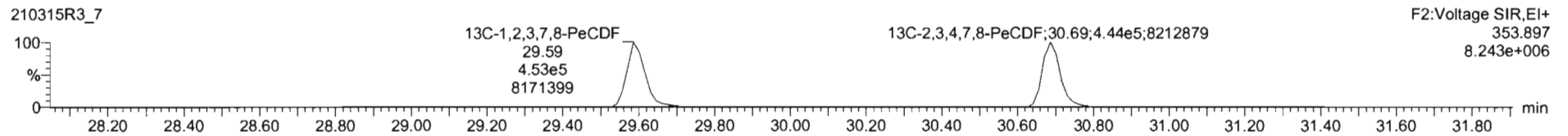
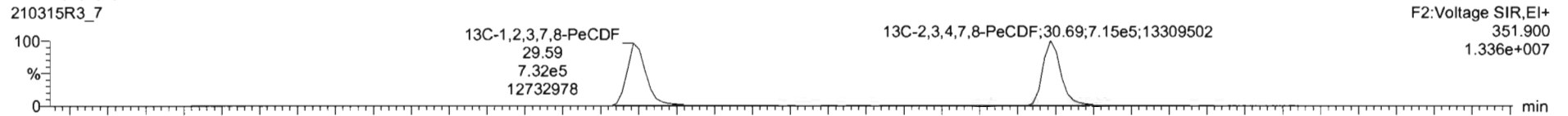
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Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

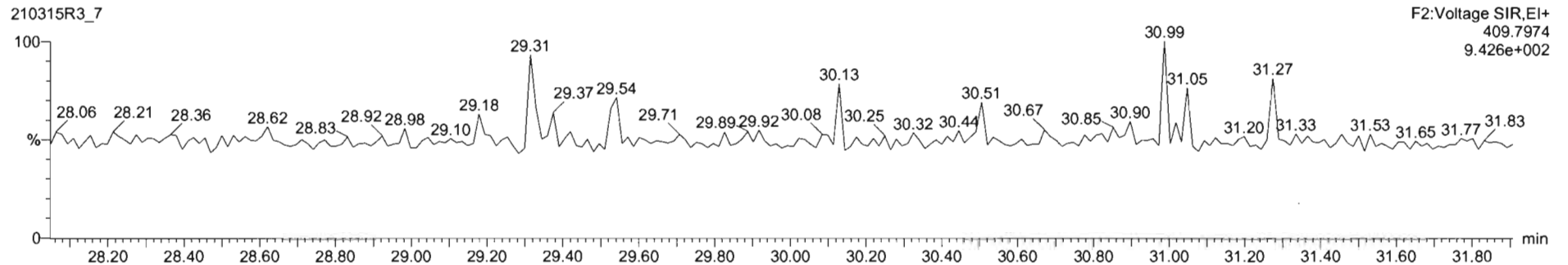
1,2,3,7,8-PeCDF

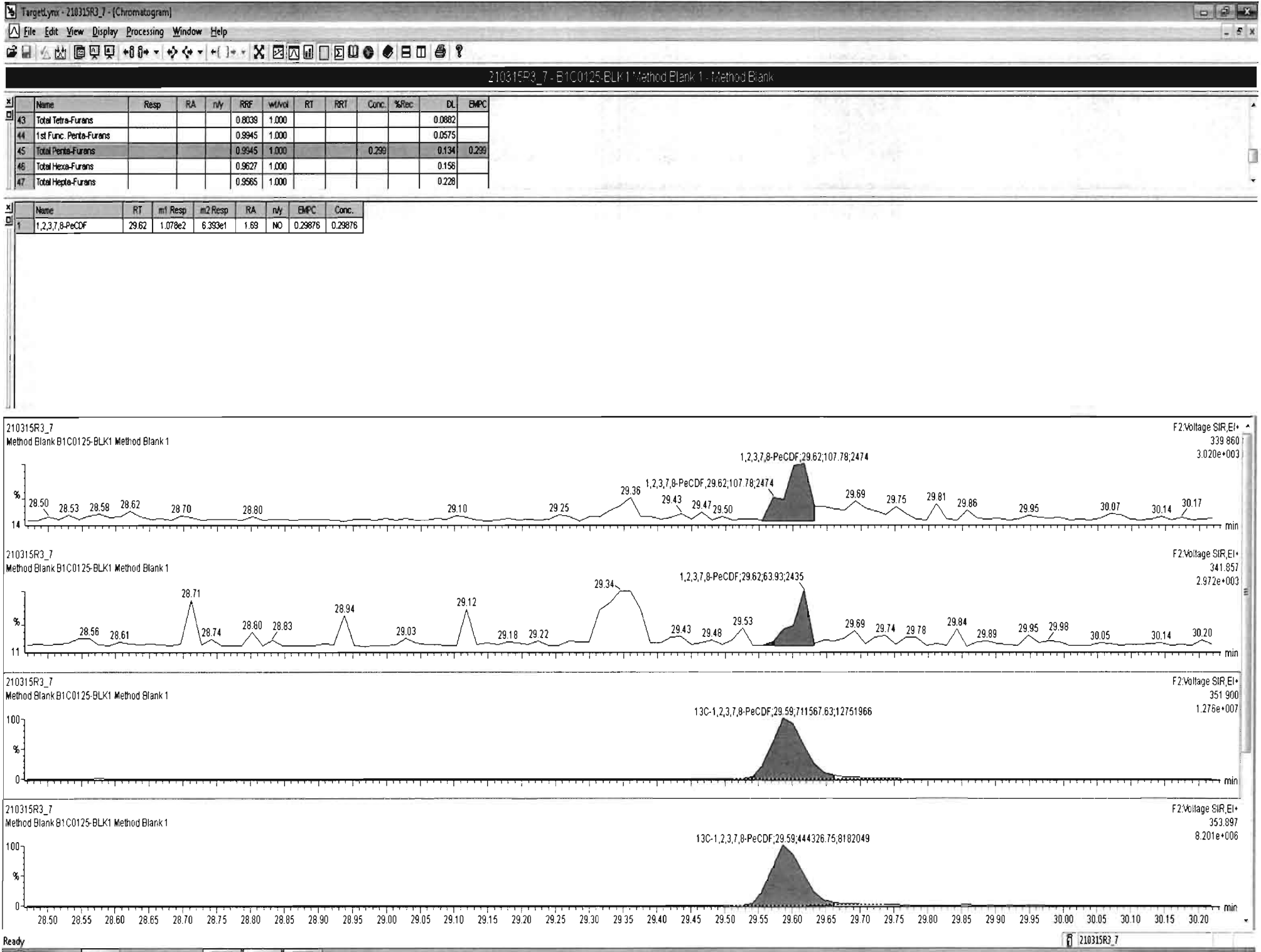


13C-1,2,3,7,8-PeCDF



DPE2





Dataset: Untitled

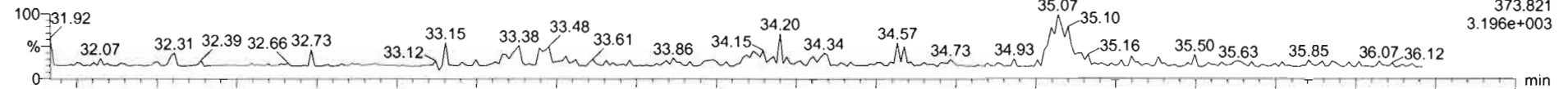
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Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

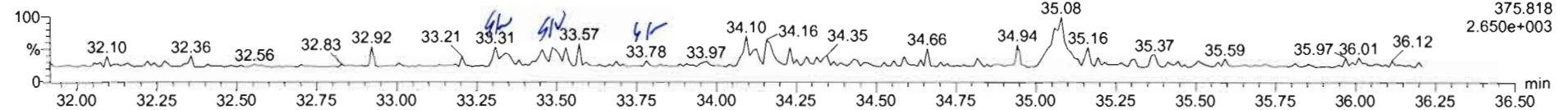
Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

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

210315R3_7

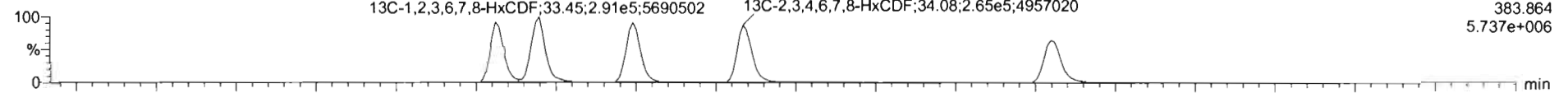


210315R3_7

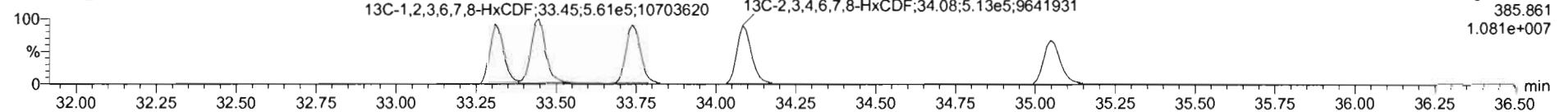


13C-1,2,3,4,7,8-HxCDF

210315R3_7

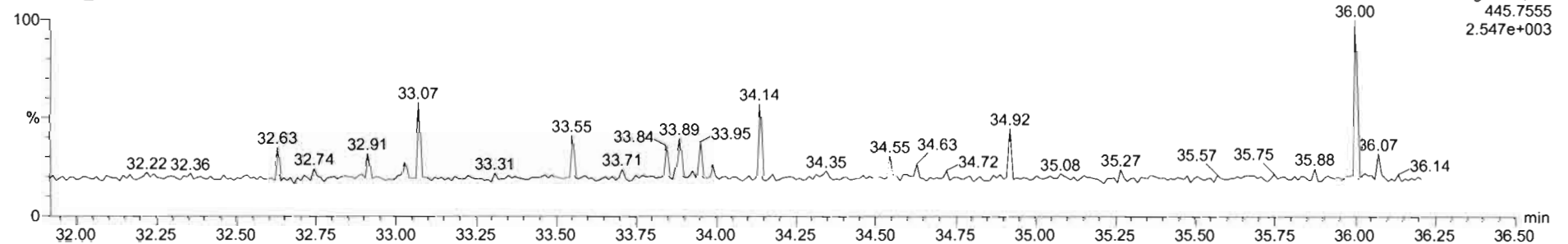


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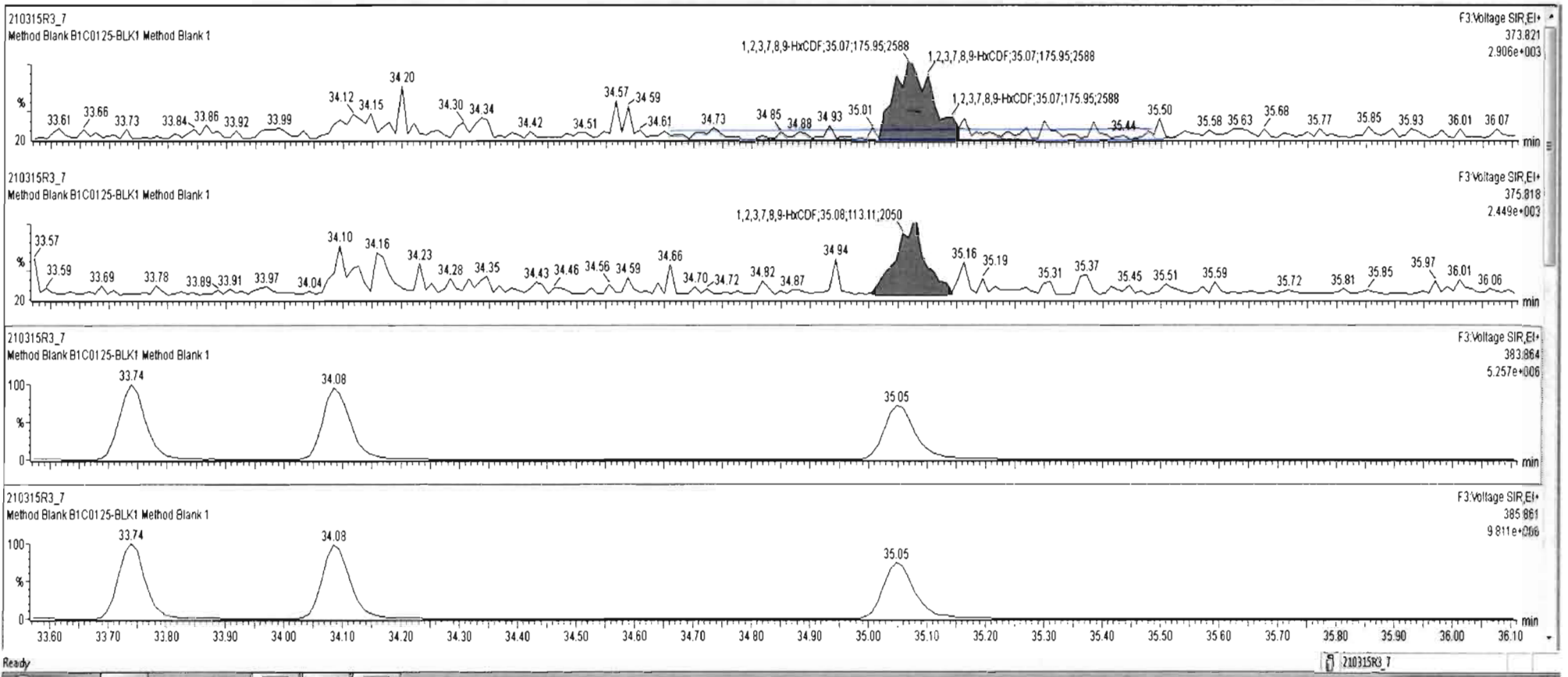
DPE3

210315R3_7



Name	Resp	RA	n/y	RF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
46 Total Hexa-Furans				0.9827	1.000			0.000		0.156	0.811
47 Total Hepta-Furans				0.9565	1.000					0.226	
48 PFK1											
49 PFK2											
50 PFK3											

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 1,2,3,7,8,9-HxCDF	35.07	1.759e2	1.131e2	1.56	YES	0.81132	0.00000

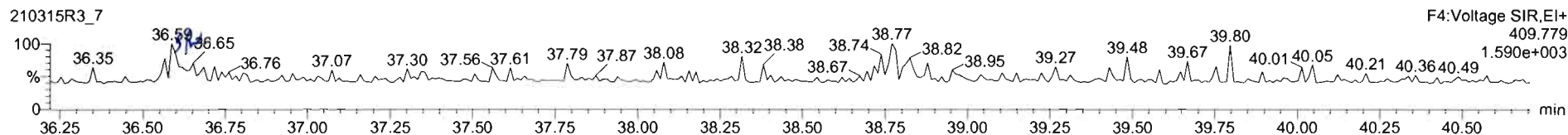
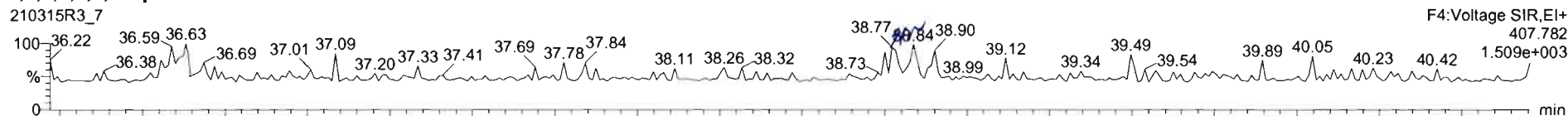


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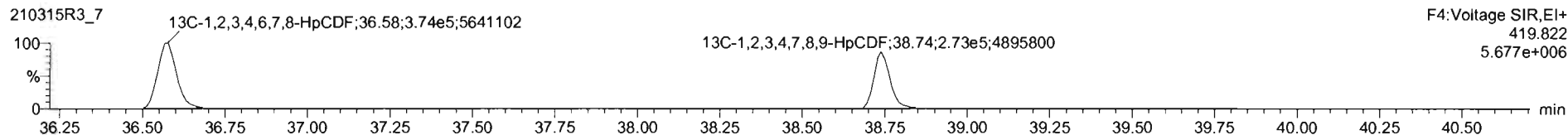
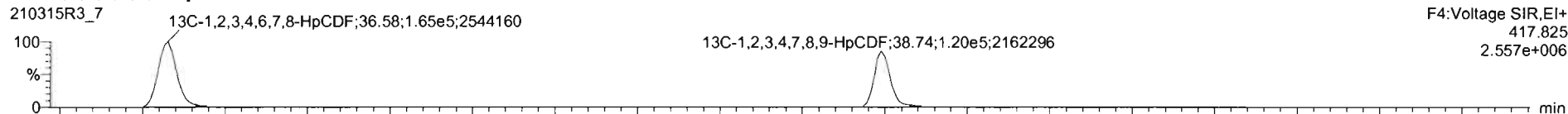
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Printed: Tuesday, March 16, 2021 9:25:38 AM Pacific Daylight Time

Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

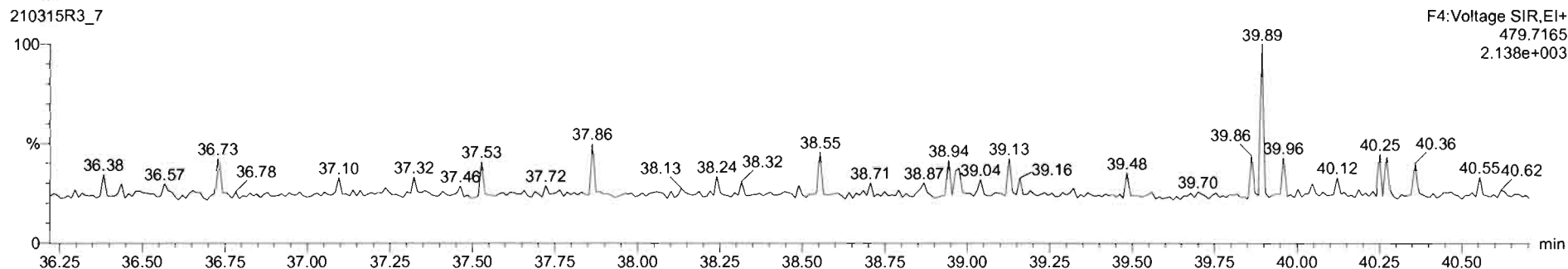
1,2,3,4,6,7,8-HpCDF



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



DPE4



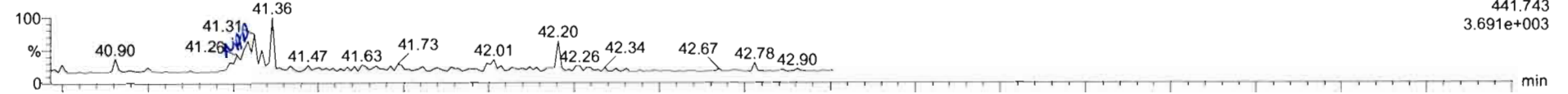
Dataset: Untitled

Last Altered: Tuesday, March 16, 2021 9:25:35 AM Pacific Daylight Time
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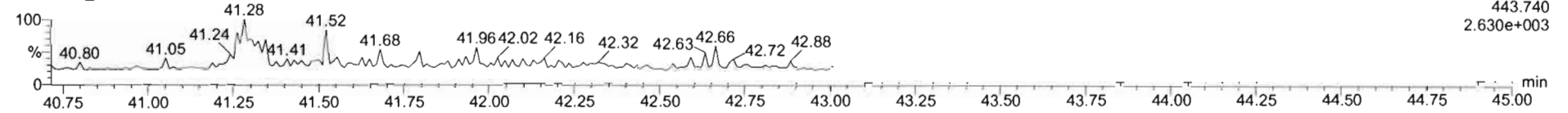
Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank

OCDF

210315R3_7

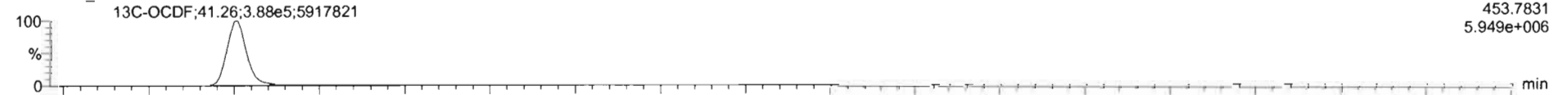


210315R3_7

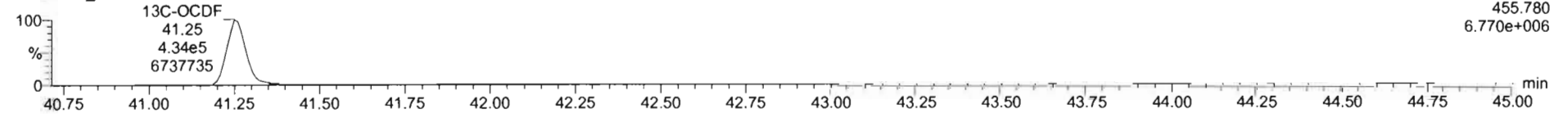


13C-OCDF

210315R3_7

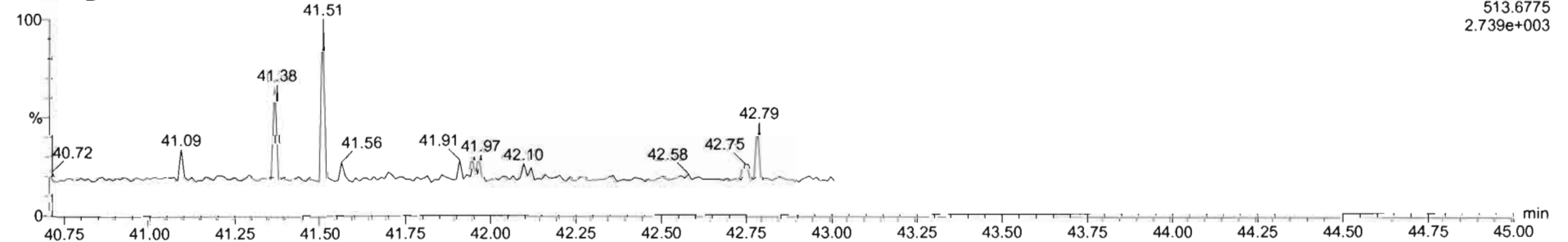


210315R3_7



DPE5

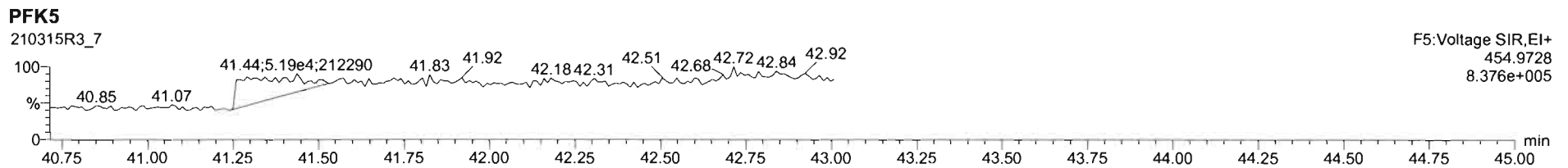
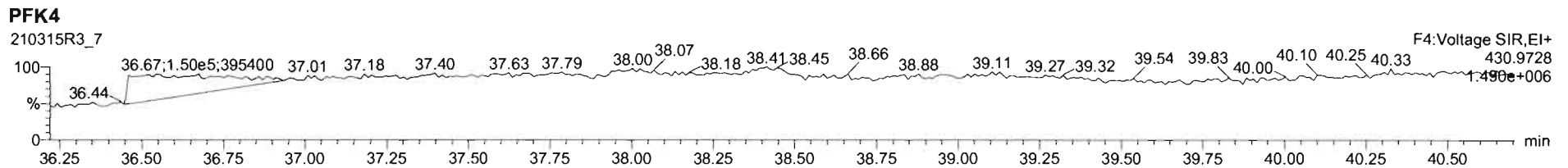
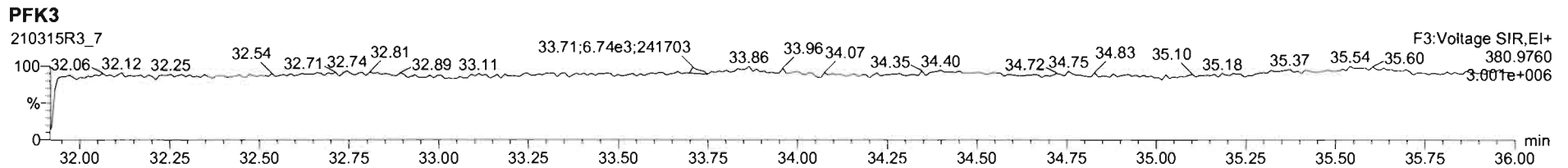
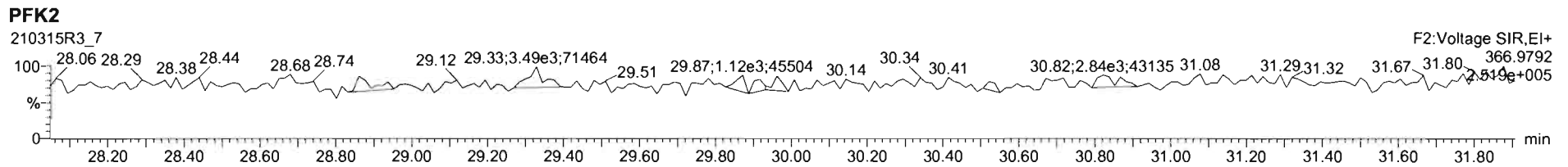
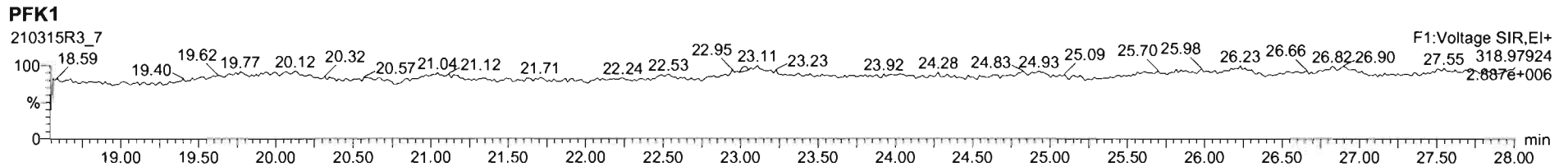
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Dataset: Untitled

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Name: 210315R3_7, Date: 15-Mar-2021, Time: 19:50:59, ID: B1C0125-BLK1 Method Blank 1, Description: Method Blank



Dataset: U:\VG12.PRO\Results\210315R3\210315R3_3.qld

Last Altered: Tuesday, March 16, 2021 09:14:49 Pacific Daylight Time
Printed: Tuesday, March 16, 2021 15:07:44 Pacific Daylight Time

dy 03-16-2021

Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

03/17/2021

Name: 210315R3_3, Date: 15-Mar-2021, Time: 16:53:15, ID: B1C0125-BS1 OPR 1, 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	8.85e4	0.77	NO	1.01	1.000	25.996	25.98	1.001	1.001	177.84		0.461	178
2	2 1,2,3,7,8-PeCDD	2.94e5	0.60	NO	0.995	1.000	30.913	30.90	1.001	1.000	892.31		1.10	892
3	3 1,2,3,4,7,8-HxCDD	2.45e5	1.26	NO	1.06	1.000	34.220	34.21	1.001	1.000	968.86		2.00	969
4	4 1,2,3,6,7,8-HxCDD	2.38e5	1.27	NO	0.940	1.000	34.336	34.33	1.001	1.000	956.35		2.14	956
5	5 1,2,3,7,8,9-HxCDD	2.29e5	1.27	NO	0.957	1.000	34.587	34.59	1.000	1.000	955.52		2.26	956
6	6 1,2,3,4,6,7,8-HpCDD	1.58e5	1.05	NO	0.960	1.000	38.080	38.08	1.000	1.000	952.30		2.91	952
7	7 OCDD	2.26e5	0.90	NO	0.912	1.000	40.996	41.00	1.000	1.000	1901.1		3.81	1900
8	8 2,3,7,8-TCDF	1.16e5	0.73	NO	0.804	1.000	25.213	25.24	1.000	1.001	196.84		0.463	197
9	9 1,2,3,7,8-PeCDF	4.85e5	1.62	NO	0.994	1.000	29.589	29.60	1.000	1.000	936.83		1.55	937
10	10 2,3,4,7,8-PeCDF	5.37e5	1.58	NO	1.14	1.000	30.708	30.70	1.001	1.000	915.17		1.22	915
11	11 1,2,3,4,7,8-HxCDF	3.24e5	1.22	NO	0.956	1.000	33.320	33.33	1.000	1.001	1008.5		1.66	1010
12	12 1,2,3,6,7,8-HxCDF	3.43e5	1.24	NO	0.906	1.000	33.456	33.46	1.001	1.001	995.02		1.73	995
13	13 2,3,4,6,7,8-HxCDF	3.38e5	1.22	NO	0.963	1.000	34.105	34.11	1.001	1.001	1006.2		1.71	1010
14	14 1,2,3,7,8,9-HxCDF	2.81e5	1.24	NO	0.927	1.000	35.058	35.07	1.000	1.001	987.84		2.20	988
15	15 1,2,3,4,6,7,8-HpCDF	2.26e5	1.02	NO	0.957	1.000	36.596	36.59	1.000	1.000	979.57		2.58	980
16	16 1,2,3,4,7,8,9-HpCDF	1.89e5	1.02	NO	1.10	1.000	38.761	38.76	1.000	1.000	984.60		2.73	985
17	17 OCDF	3.02e5	0.88	NO	0.775	1.000	41.268	41.27	1.000	1.000	1980.2		3.64	1980
18	18 13C-2,3,7,8-TCDD	9.86e5	0.79	NO	1.15	1.000	25.948	25.97	1.033	1.033	2171.5	109	2.43	
19	19 13C-1,2,3,7,8-PeCDD	6.62e5	0.63	NO	0.830	1.000	30.860	30.88	1.228	1.229	2020.4	101	2.60	
20	20 13C-1,2,3,4,7,8-HxCDD	4.78e5	1.27	NO	0.703	1.000	34.215	34.20	1.014	1.014	2019.3	101	4.21	
21	21 13C-1,2,3,6,7,8-HxCDD	5.29e5	1.27	NO	0.809	1.000	34.316	34.31	1.017	1.017	1940.6	97.0	3.66	
22	22 13C-1,2,3,7,8,9-HxCDD	5.00e5	1.27	NO	0.733	1.000	34.593	34.58	1.025	1.025	2026.8	101	4.04	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.46e5	1.07	NO	0.497	1.000	38.210	38.07	1.133	1.128	2070.1	104	5.09	
24	24 13C-OCDD	5.21e5	0.90	NO	0.462	1.000	40.943	40.99	1.214	1.215	3347.1	83.7	7.03	
25	25 13C-2,3,7,8-TCDF	1.47e6	0.78	NO	0.977	1.000	25.210	25.21	1.003	1.003	2217.7	111	2.54	
26	26 13C-1,2,3,7,8-PeCDF	1.04e6	1.61	NO	0.759	1.000	29.556	29.59	1.176	1.178	2019.0	101	4.33	
27	27 13C-2,3,4,7,8-PeCDF	1.03e6	1.61	NO	0.657	1.000	30.671	30.69	1.221	1.222	2321.2	116	5.01	
28	28 13C-1,2,3,4,7,8-HxCDF	6.73e5	0.51	NO	0.950	1.000	33.301	33.31	0.987	0.987	2104.6	105	4.41	
29	29 13C-1,2,3,6,7,8-HxCDF	7.61e5	0.52	NO	1.10	1.000	33.429	33.44	0.991	0.991	2059.2	103	3.81	
30	30 13C-2,3,4,6,7,8-HxCDF	6.97e5	0.52	NO	0.957	1.000	34.097	34.08	1.011	1.010	2164.0	108	4.37	
31	31 13C-1,2,3,7,8,9-HxCDF	6.14e5	0.51	NO	0.821	1.000	35.082	35.05	1.040	1.039	2223.1	111	5.10	

Dataset: U:\VG12.PRO\Results\210315R3\210315R3_3.qld

Last Altered: Tuesday, March 16, 2021 09:14:49 Pacific Daylight Time

Printed: Tuesday, March 16, 2021 15:07:44 Pacific Daylight Time

Name: 210315R3_3, Date: 15-Mar-2021, Time: 16:53:15, ID: B1C0125-BS1 OPR 1, Description: OPR

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.83e5	0.44	NO	0.663	1.000	36.644	36.58	1.086	1.084	2168.0	108	4.24	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.50e5	0.44	NO	0.475	1.000	38.905	38.75	1.153	1.148	2185.7	109	5.91	
34	34 13C-OCDF	7.86e5	0.88	NO	0.632	1.000	41.665	41.26	1.235	1.223	3697.3	92.4	3.60	
35	35 37Cl-2,3,7,8-TCDD	3.87e5			1.04	1.000	25.958	25.98	1.033	1.034	942.68	118	0.613	
36	36 13C-1,2,3,4-TCDD	7.89e5	0.80	NO	1.00	1.000	25.180	25.12	1.000	1.000	2000.0	100	2.79	
37	37 13C-1,2,3,4-TCDF	1.36e6	0.77	NO	1.00	1.000	23.540	23.47	1.000	1.000	2000.0	100	2.48	
38	38 13C-1,2,3,4,6,9-HxCDF	6.73e5	0.52	NO	1.00	1.000	33.740	33.74	1.000	1.000	2000.0	100	4.19	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210315R3\210315R3_3.qld

Last Altered: Tuesday, March 16, 2021 09:14:49 Pacific Daylight Time

Printed: Tuesday, March 16, 2021 15:07:44 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

Name: 210315R3_3, Date: 15-Mar-2021, Time: 16:53:15, ID: B1C0125-BS1 OPR 1, Description: OPR

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	2,3,7,8-TCDD	25.98	5.415e5	7.014e5	3.855e4	4.992e4	0.77	NO	8.847e4	177.84	177.85	0.461
2	Total Tetra-Dioxins	25.70	7.951e3	8.455e3	4.602e2	9.611e2	0.48	YES	0.000e0	0.00000	2.1260	0.461

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8-PeCDD	30.90	2.132e6	3.592e6	1.108e5	1.833e5	0.60	NO	2.941e5	892.31	892.31	1.10
2	Total Penta-Dioxins	30.69	9.439e3	3.193e3	5.241e2	2.195e2	2.39	YES	0.000e0	0.00000	1.0860	1.10
3	Total Penta-Dioxins	29.59	1.201e4	6.264e3	5.521e2	2.595e2	2.13	YES	0.000e0	0.00000	1.2840	1.10

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8,9-HxCDD	34.59	2.418e6	1.833e6	1.277e5	1.009e5	1.27	NO	2.286e5	955.52	955.52	2.26
2	1,2,3,6,7,8-HxCDD	34.33	2.597e6	2.017e6	1.331e5	1.046e5	1.27	NO	2.377e5	956.35	956.35	2.14
3	1,2,3,4,7,8-HxCDD	34.21	2.714e6	2.158e6	1.367e5	1.082e5	1.26	NO	2.449e5	968.86	968.86	2.00

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	38.73	1.303e4	6.047e3	7.277e2	3.236e2	2.25	YES	0.000e0	0.00000	3.9720	2.91
2	1,2,3,4,6,7,8-HpCDD	38.08	1.429e6	1.337e6	8.099e4	7.726e4	1.05	NO	1.583e5	952.30	952.30	2.91
3	Total Hepta-Dioxins	36.58	1.483e4	5.413e3	8.797e2	2.776e2	3.17	YES	0.000e0	0.00000	3.4080	2.91

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	25.24	6.712e5	8.677e5	4.926e4	6.711e4	0.73	NO	1.164e5	196.84	196.84	0.463
2	Total Tetra-Furans	24.16	2.248e3	3.336e3	2.071e2	3.583e2	0.58	YES	0.000e0	0.00000	0.80500	0.463

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210315R3\210315R3_3.qld

Last Altered: Tuesday, March 16, 2021 09:14:49 Pacific Daylight Time

Printed: Tuesday, March 16, 2021 15:07:44 Pacific Daylight Time

Name: 210315R3_3, Date: 15-Mar-2021, Time: 16:53:15, ID: B1C0125-BS1 OPR 1, Description: OPR

Penta-Furans function 1

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

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.41	9.833e3	7.081e3	5.702e2	3.629e2	1.57	NO	9.331e2	1.8084	1.8080	1.47
2	Total Penta-Furans	28.58	8.152e3	4.593e3	6.798e2	4.183e2	1.63	NO	1.098e3	2.1283	2.1280	1.47
3	Total Penta-Furans	31.65	1.482e4	1.021e4	9.065e2	5.152e2	1.76	NO	1.422e3	2.7555	2.7550	1.47
4	2,3,4,7,8-PeCDF	30.70	6.279e6	4.048e6	3.294e5	2.081e5	1.58	NO	5.374e5	915.17	915.17	1.22
5	Total Penta-Furans	30.52	1.476e4	5.455e3	6.543e2	3.011e2	2.17	YES	0.000e0	0.00000	1.4880	1.47
6	Total Penta-Furans	29.87	3.980e4	2.090e4	2.801e3	1.263e3	2.22	YES	0.000e0	0.00000	6.2410	1.47
7	1,2,3,7,8-PeCDF	29.60	5.358e6	3.422e6	2.994e5	1.854e5	1.62	NO	4.847e5	936.83	936.83	1.55

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8,9-HxCDF	35.07	2.678e6	2.189e6	1.554e5	1.258e5	1.24	NO	2.812e5	987.84	987.84	2.20
2	2,3,4,6,7,8-HxCDF	34.11	3.601e6	2.894e6	1.856e5	1.520e5	1.22	NO	3.376e5	1006.2	1006.2	1.71
3	1,2,3,6,7,8-HxCDF	33.46	3.715e6	3.058e6	1.897e5	1.533e5	1.24	NO	3.430e5	995.02	995.02	1.73
4	1,2,3,4,7,8-HxCDF	33.33	3.684e6	3.056e6	1.782e5	1.460e5	1.22	NO	3.243e5	1008.5	1008.5	1.66

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,7,8,9-HpCDF	38.76	1.832e6	1.813e6	9.544e4	9.312e4	1.02	NO	1.886e5	984.60	984.60	2.73
2	Total Hepta-Furans	37.30	3.503e3	4.840e3	2.095e2	2.484e2	0.84	YES	0.000e0	0.00000	2.0630	2.81
3	1,2,3,4,6,7,8-HpCDF	36.59	1.956e6	1.917e6	1.144e5	1.121e5	1.02	NO	2.265e5	979.57	979.57	2.58

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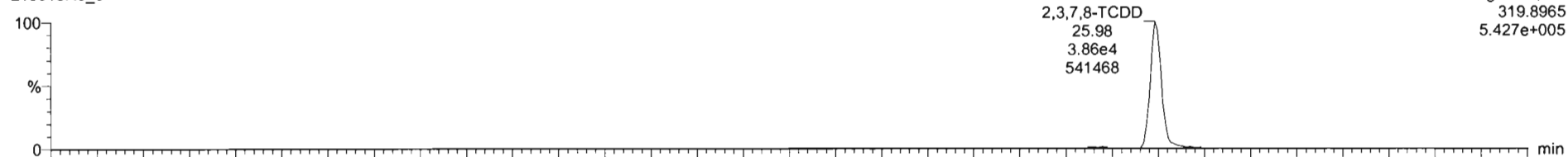
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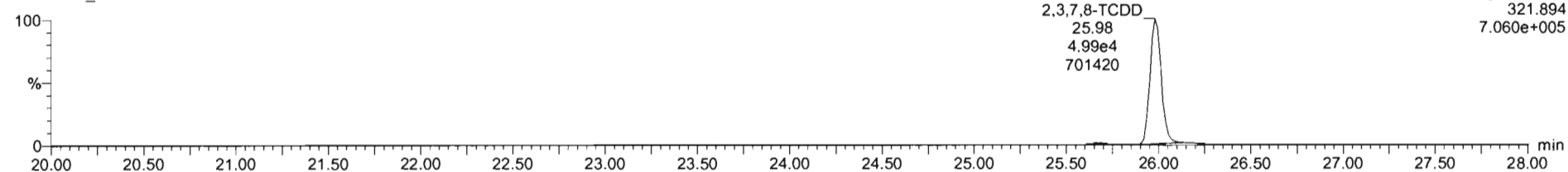
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2,3,7,8-TCDD

210315R3_3

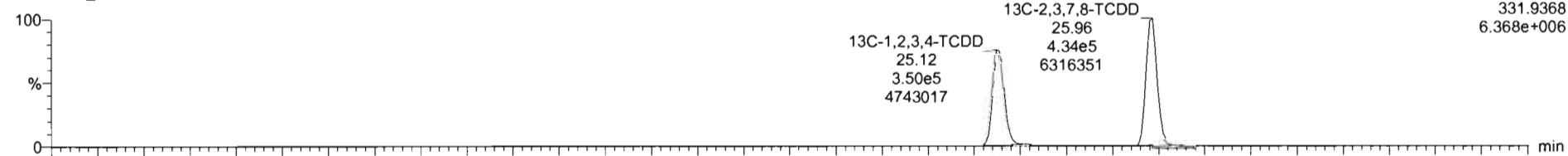


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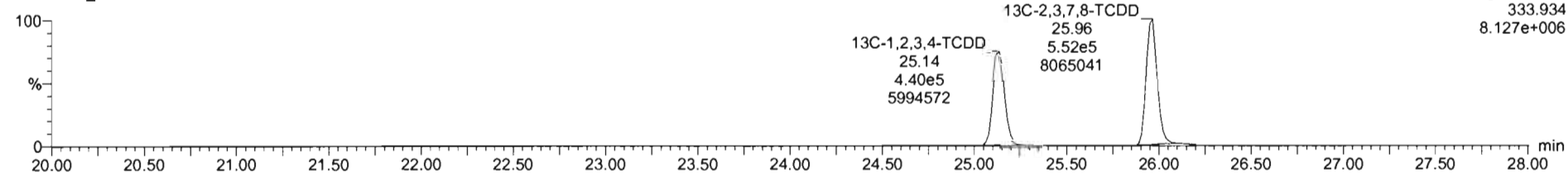


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210315R3_3



210315R3_3



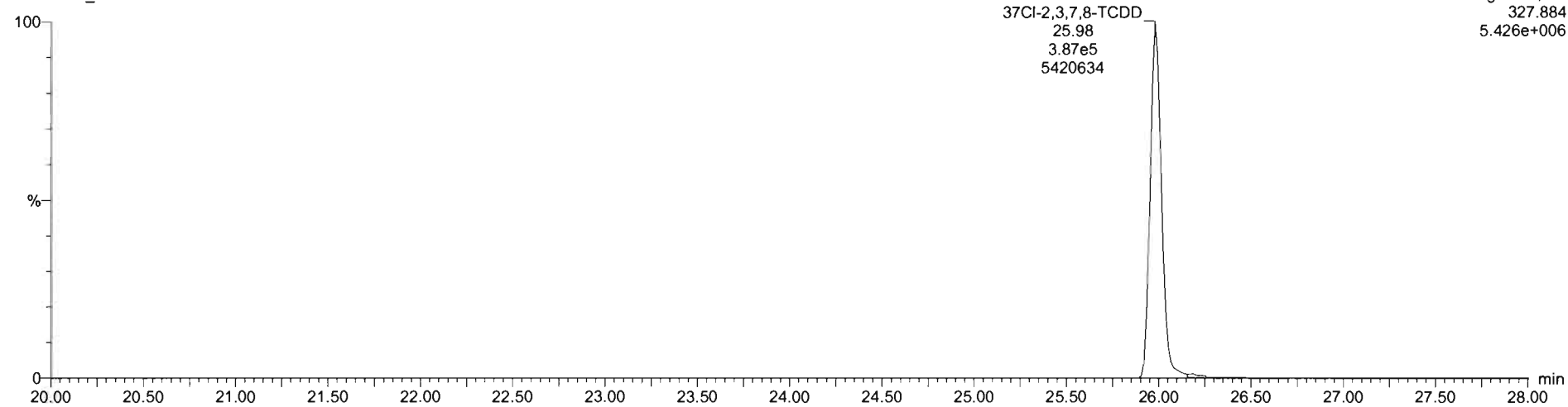
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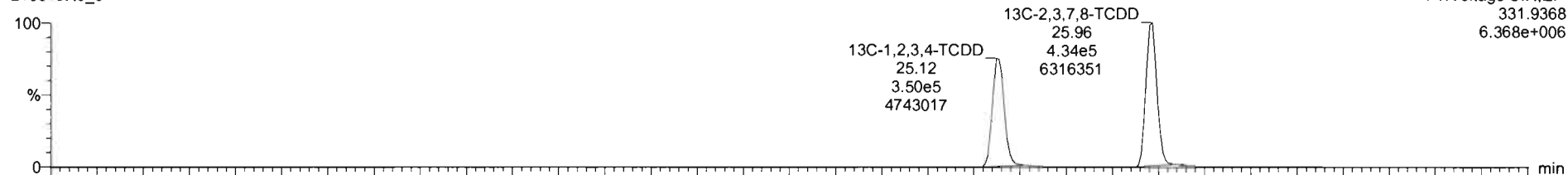
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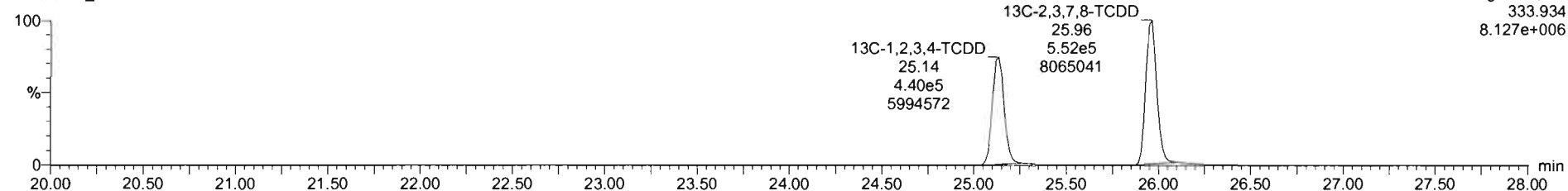


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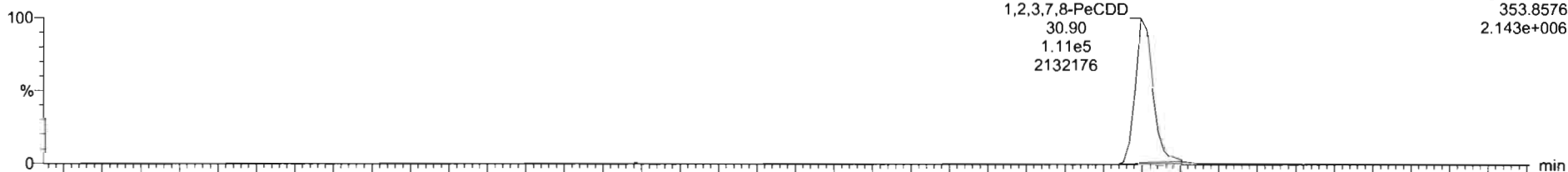
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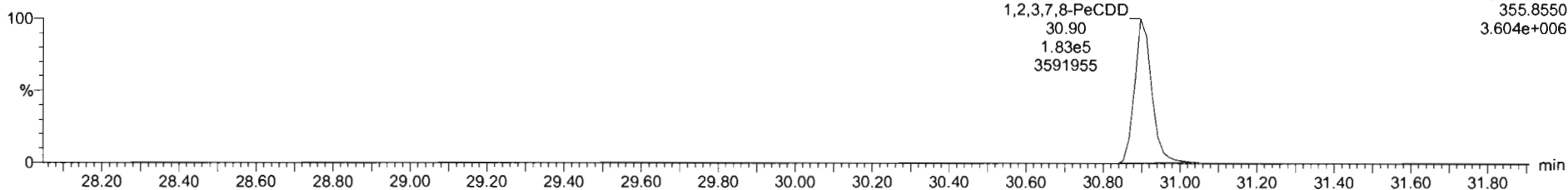
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1,2,3,7,8-PeCDD

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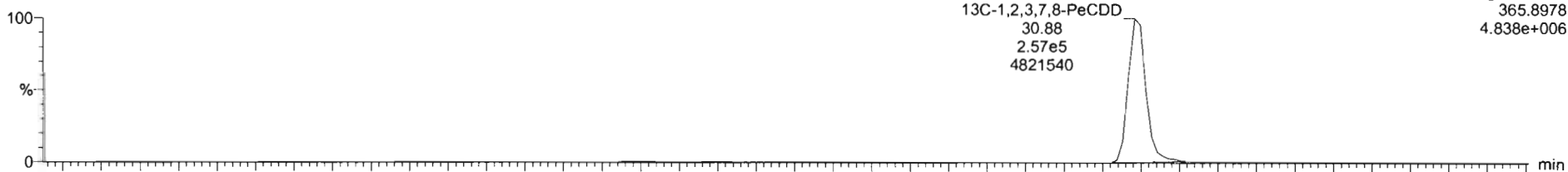


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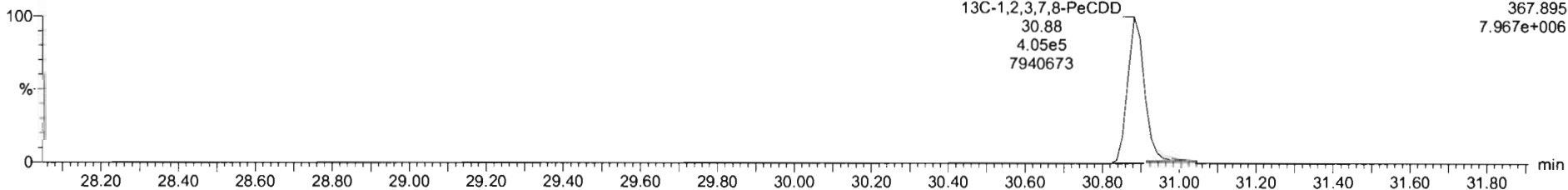


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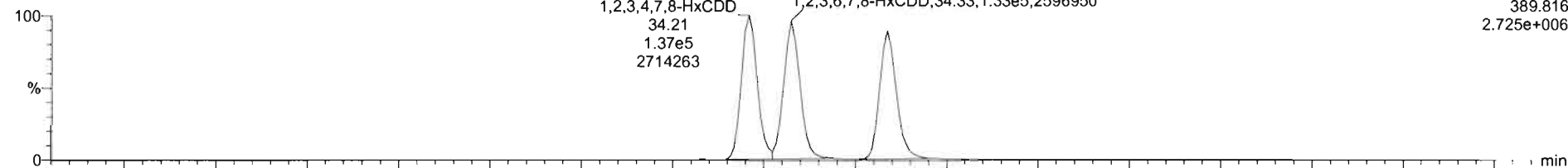
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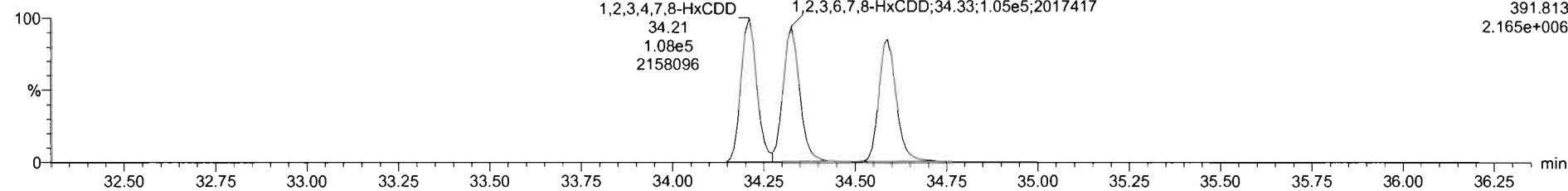
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1,2,3,4,7,8-HxCDD

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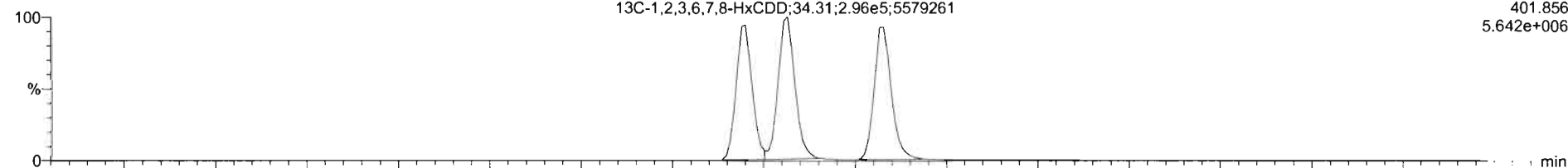


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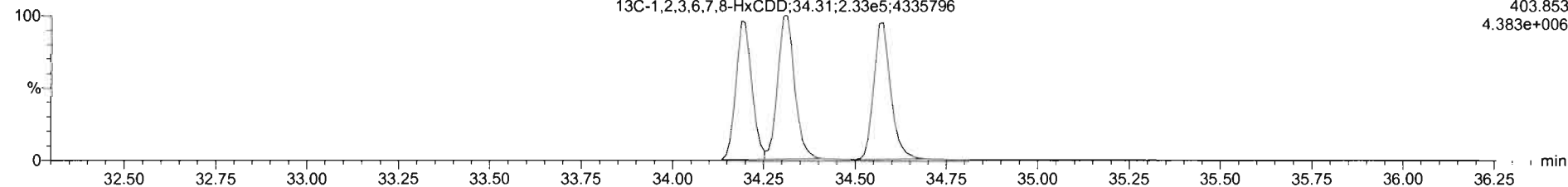


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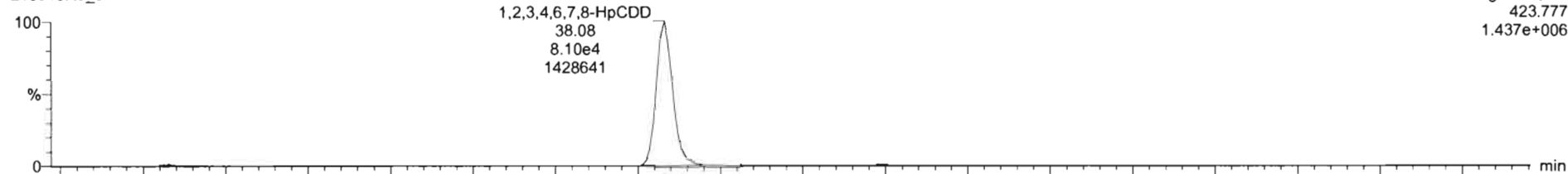
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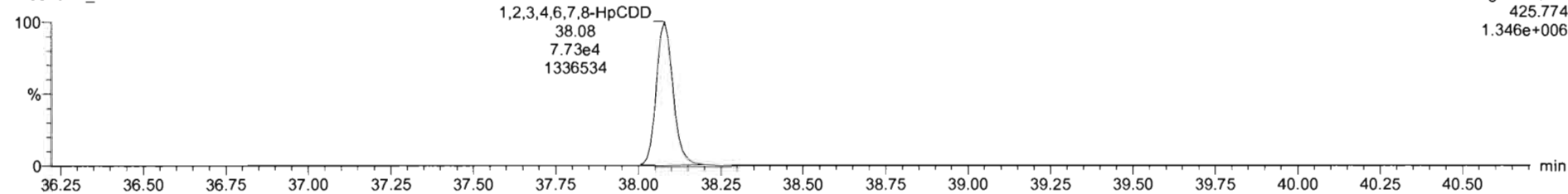
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1,2,3,4,6,7,8-HpCDD

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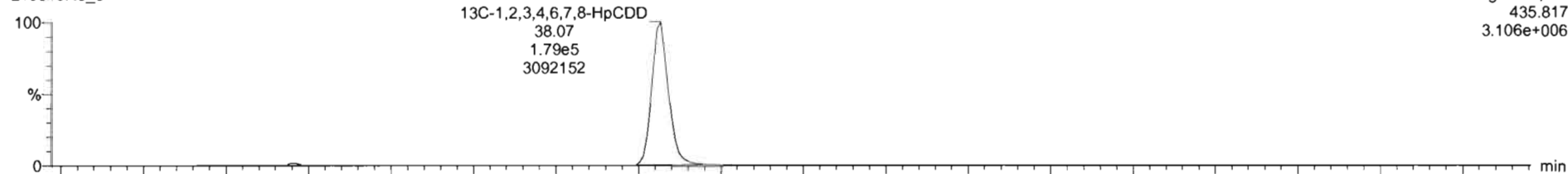


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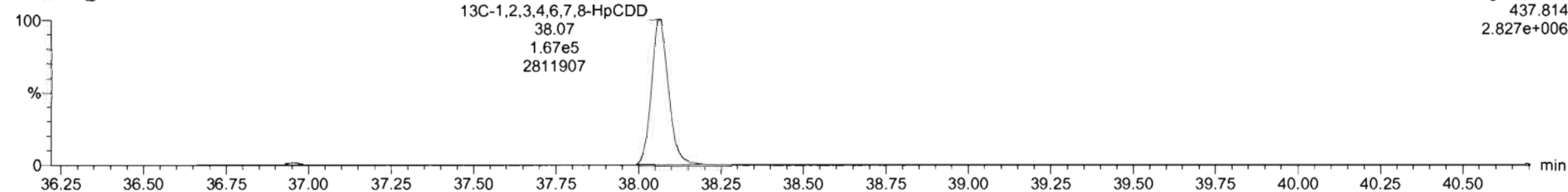


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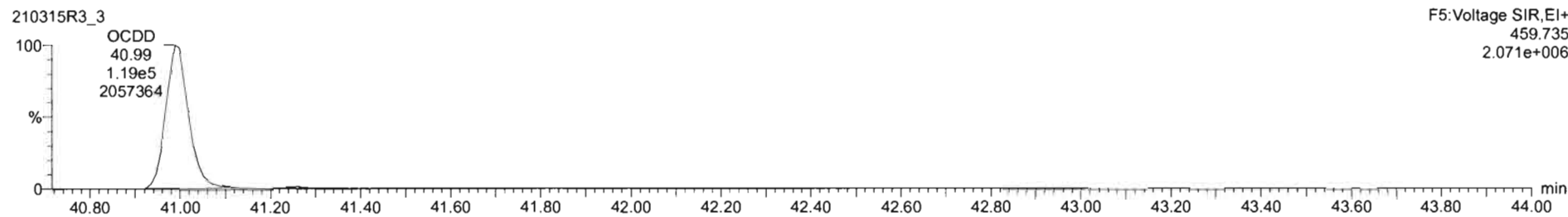
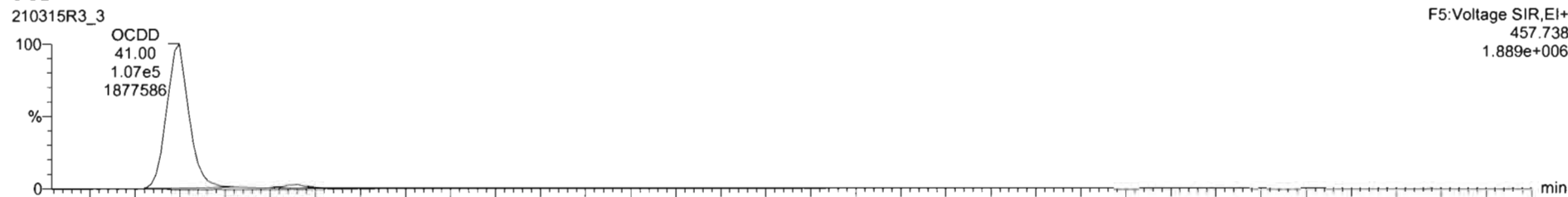
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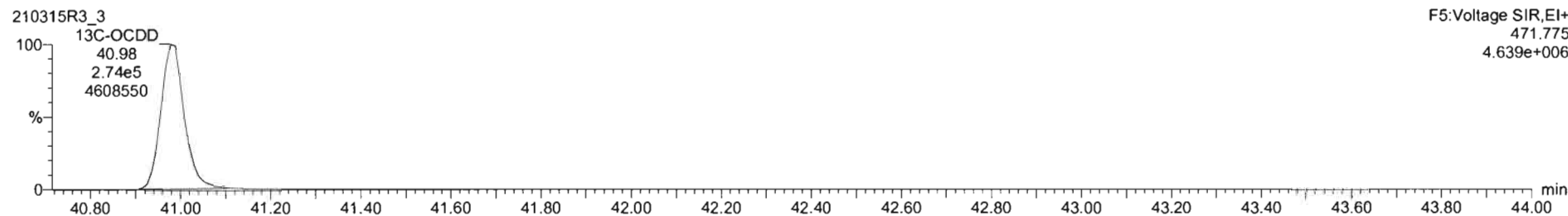
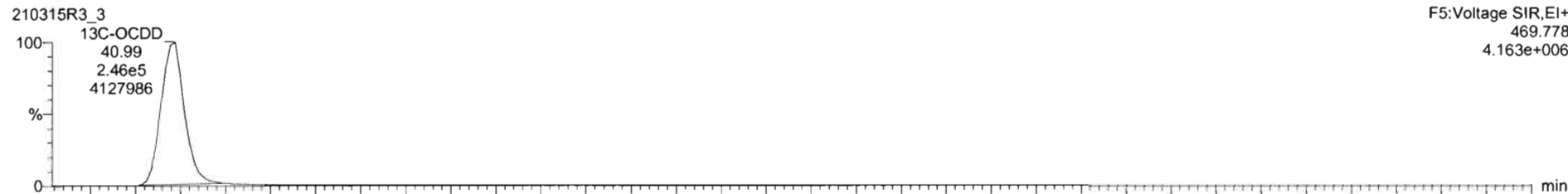
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OCDD



13C-OCDD



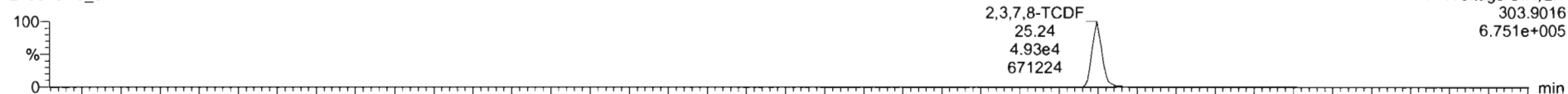
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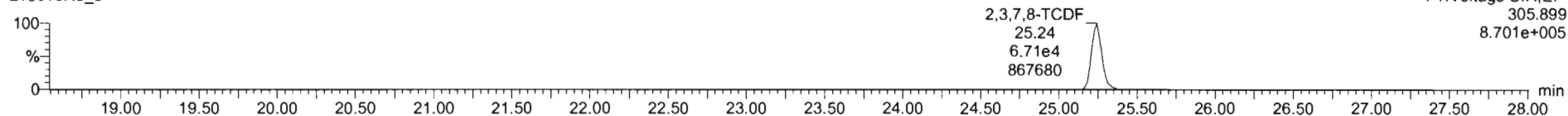
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2,3,7,8-TCDF

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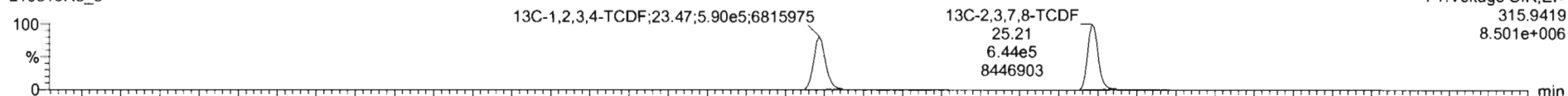


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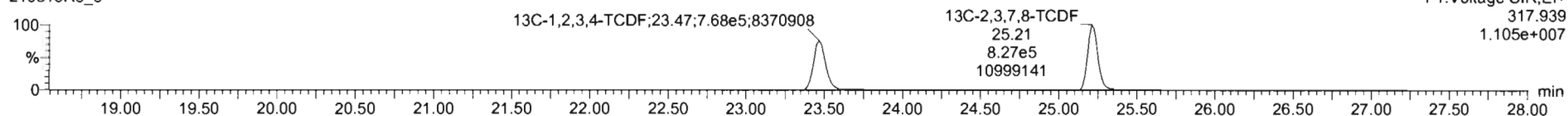


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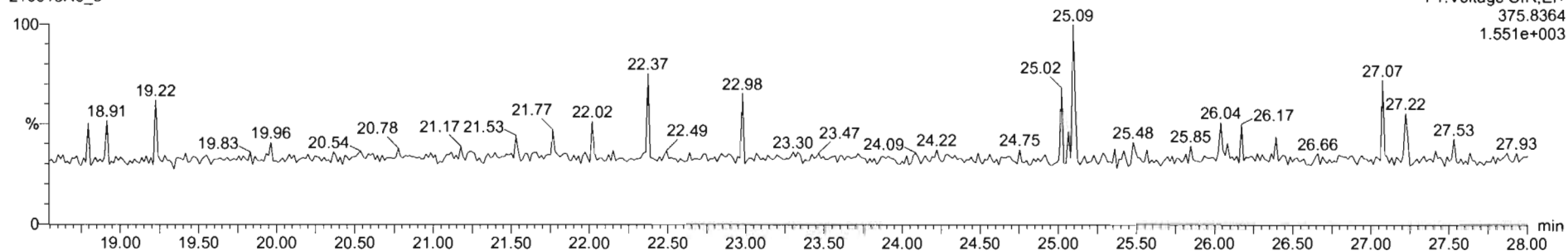


210315R3_3



DPE1

210315R3_3



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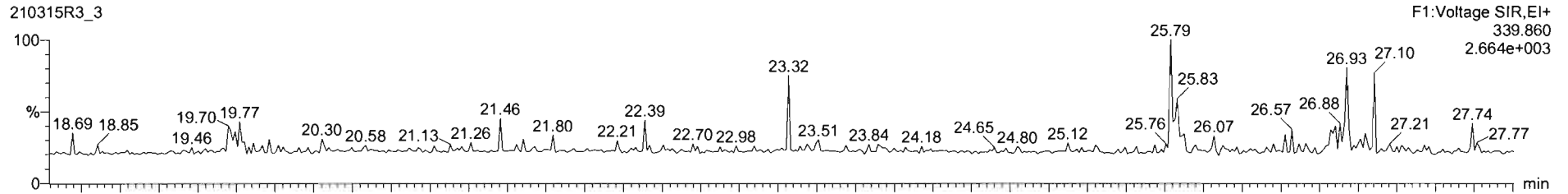
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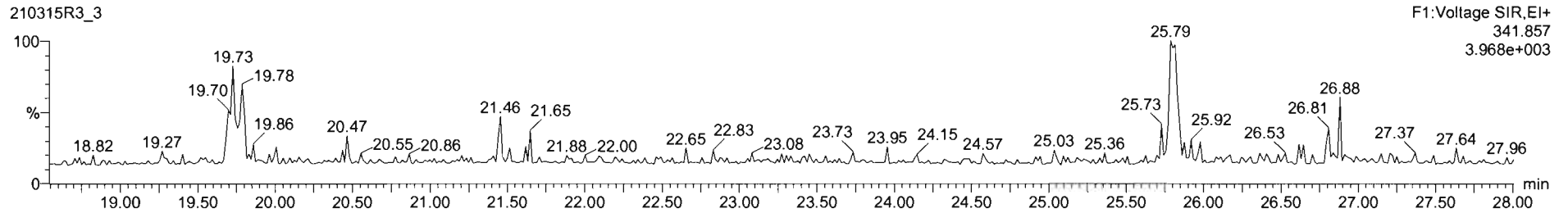
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1st Func. Penta-Furans

210315R3_3

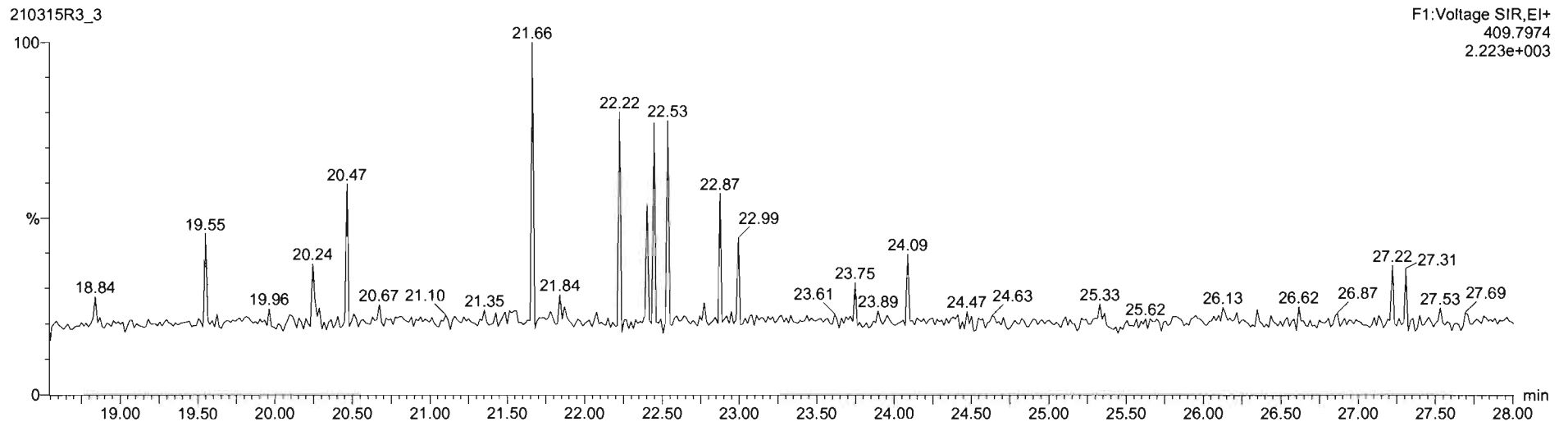


210315R3_3



DPE6

210315R3_3



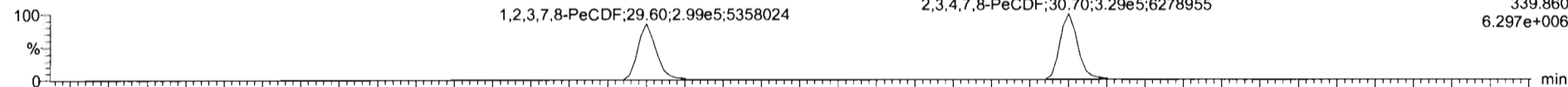
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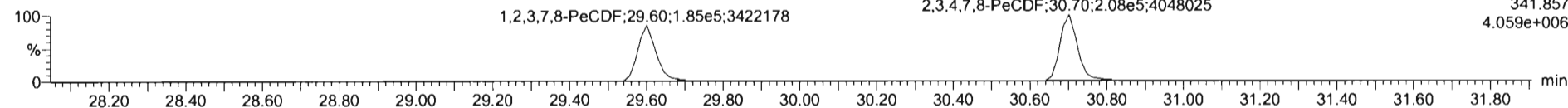
1,2,3,7,8-PeCDF

210315R3_3



F2:Voltage SIR,EI+
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6.297e+006

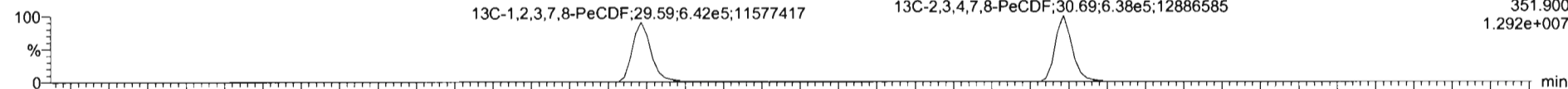
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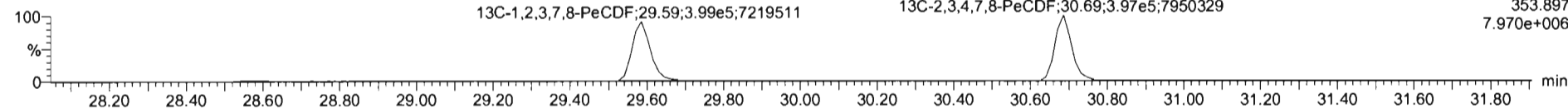
13C-1,2,3,7,8-PeCDF

210315R3_3



F2:Voltage SIR,EI+
351.900
1.292e+007

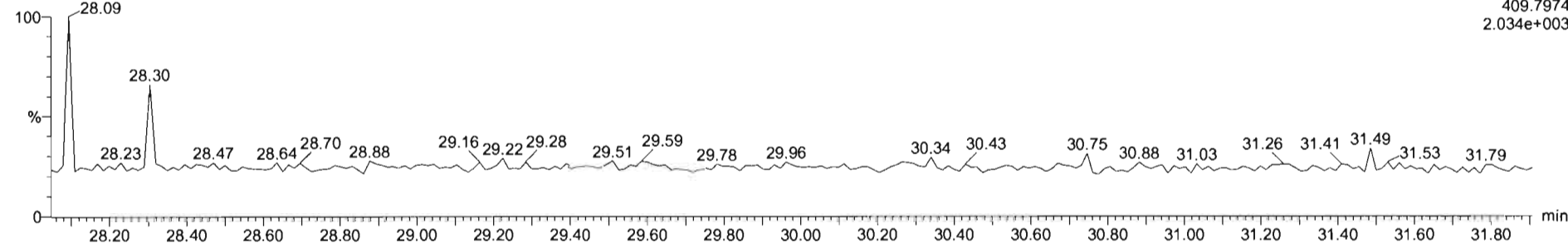
210315R3_3



F2:Voltage SIR,EI+
353.897
7.970e+006

DPE2

210315R3_3



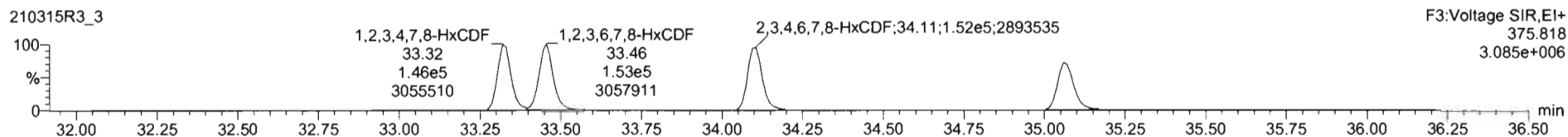
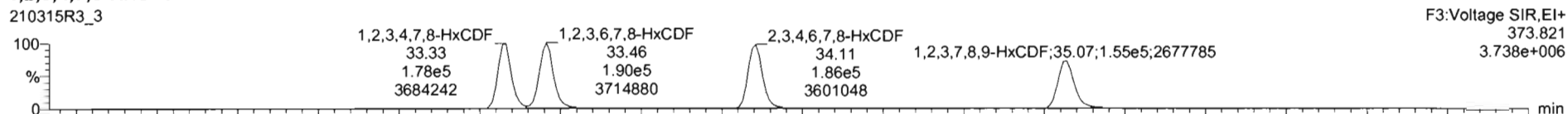
F2:Voltage SIR,EI+
409.7974
2.034e+003

Dataset: Untitled

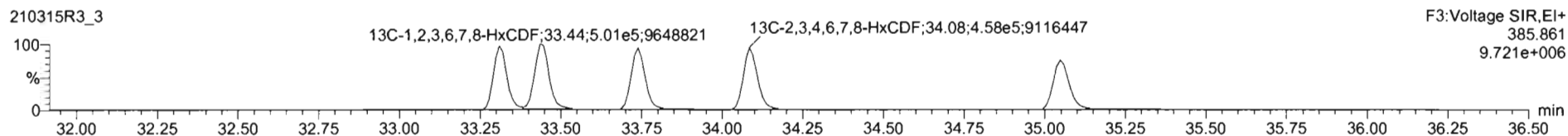
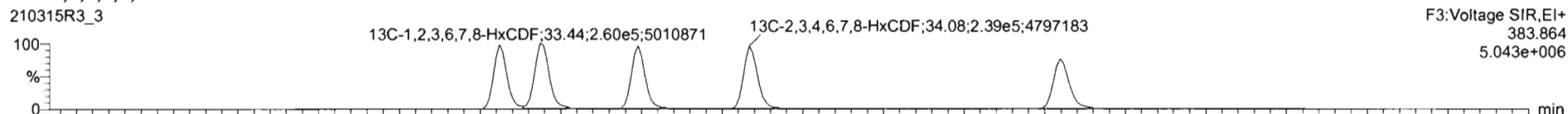
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Printed: Tuesday, March 16, 2021 9:25:13 AM Pacific Daylight Time

Name: 210315R3_3, Date: 15-Mar-2021, Time: 16:53:15, ID: B1C0125-BS1 OPR 1, Description: OPR

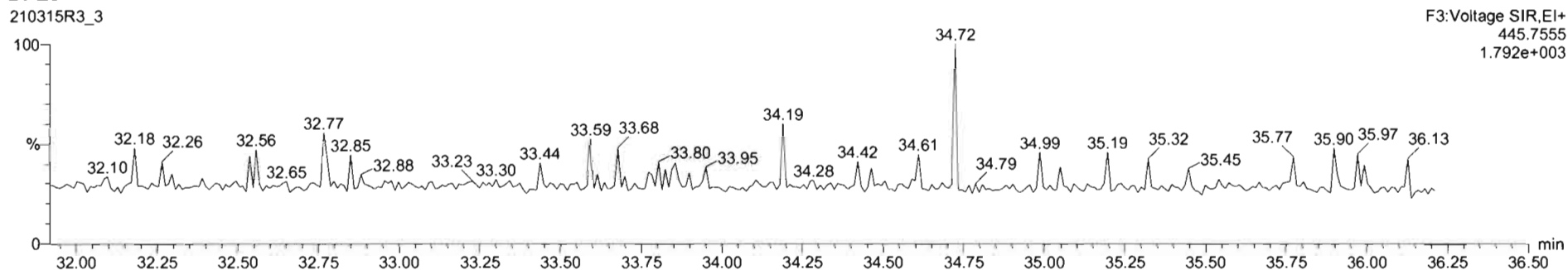
1,2,3,4,7,8-HxCDF



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



DPE3

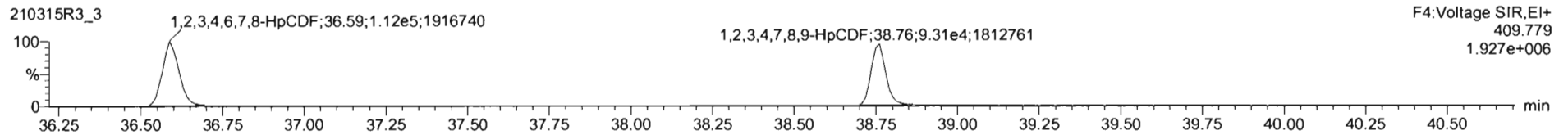
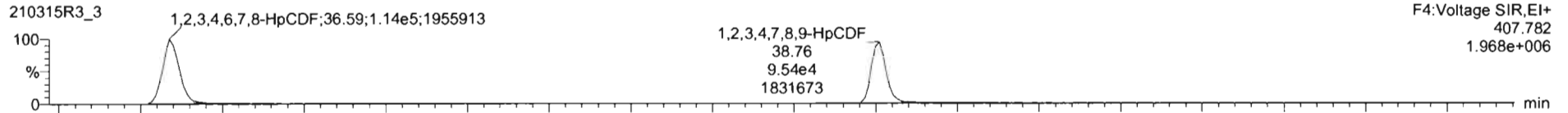


Dataset: Untitled

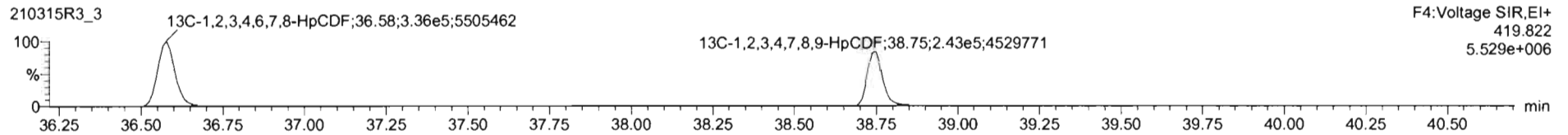
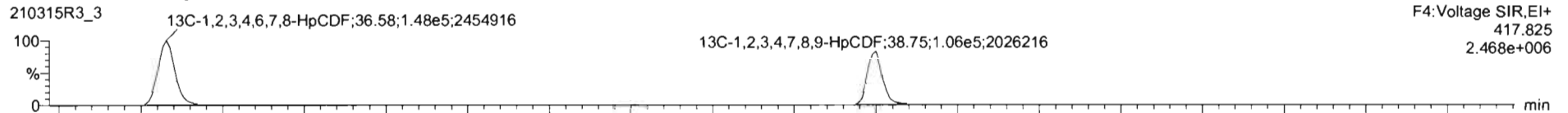
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Printed: Tuesday, March 16, 2021 9:25:13 AM Pacific Daylight Time

Name: 210315R3_3, Date: 15-Mar-2021, Time: 16:53:15, ID: B1C0125-BS1 OPR 1, Description: OPR

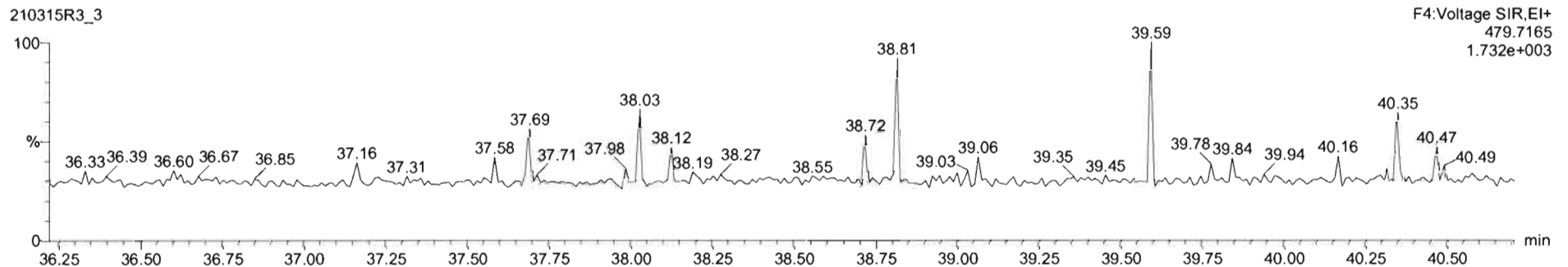
1,2,3,4,6,7,8-HpCDF



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



DPE4

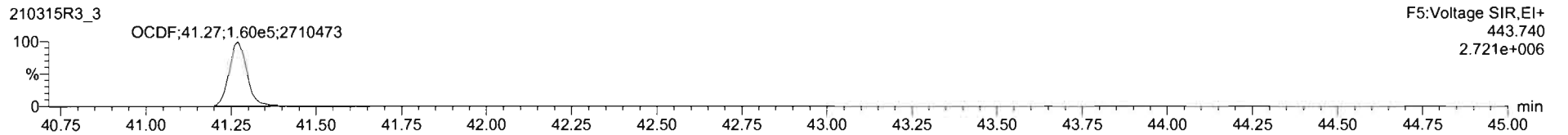
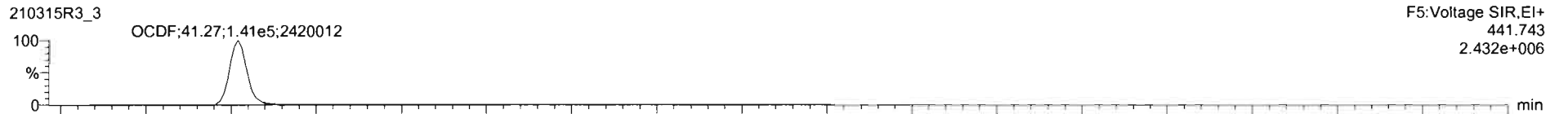


Dataset: Untitled

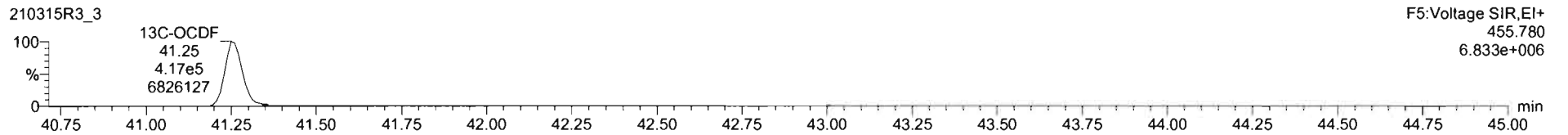
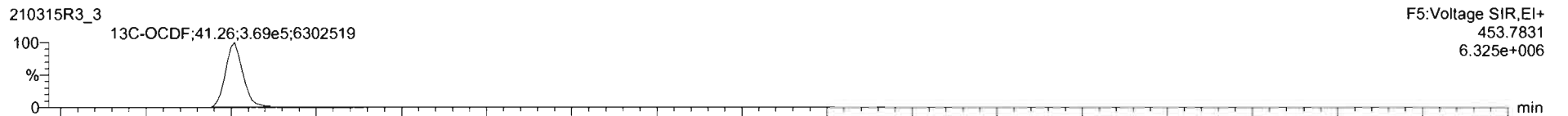
Last Altered: Tuesday, March 16, 2021 9:25:02 AM Pacific Daylight Time
Printed: Tuesday, March 16, 2021 9:25:13 AM Pacific Daylight Time

Name: 210315R3_3, Date: 15-Mar-2021, Time: 16:53:15, ID: B1C0125-BS1 OPR 1, Description: OPR

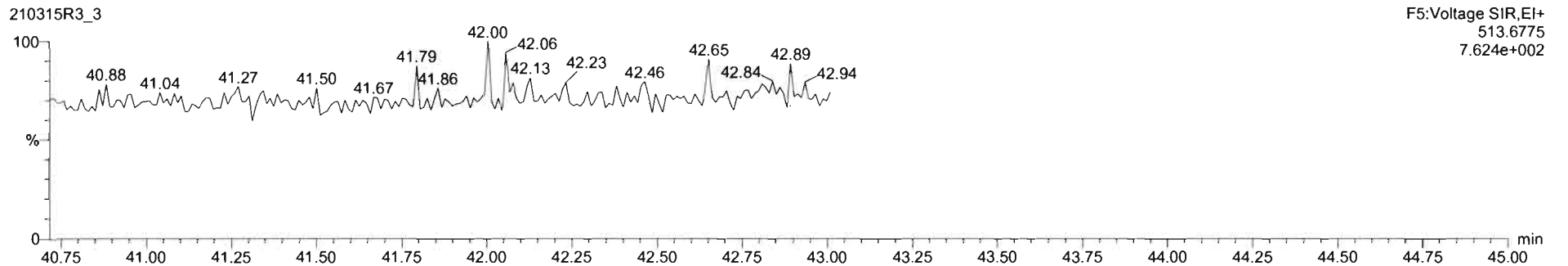
OCDF



13C-OCDF



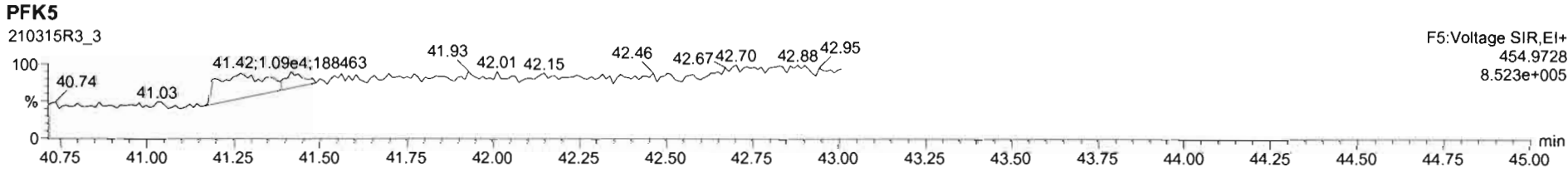
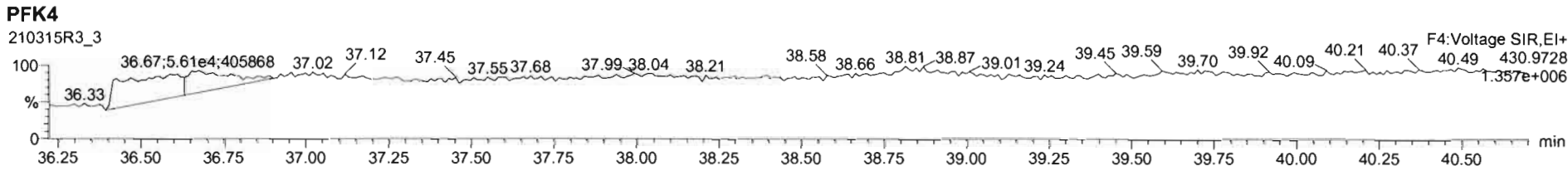
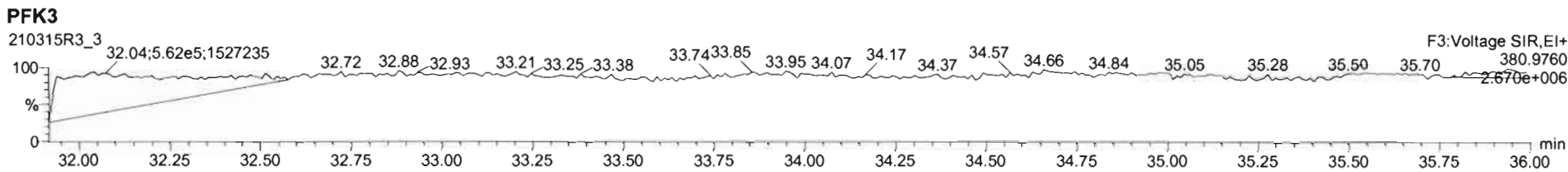
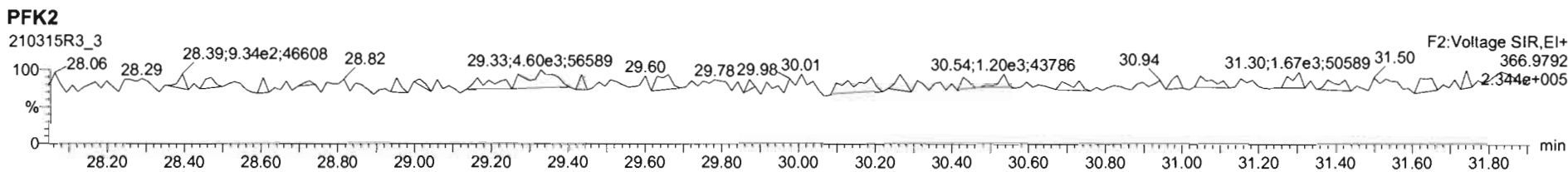
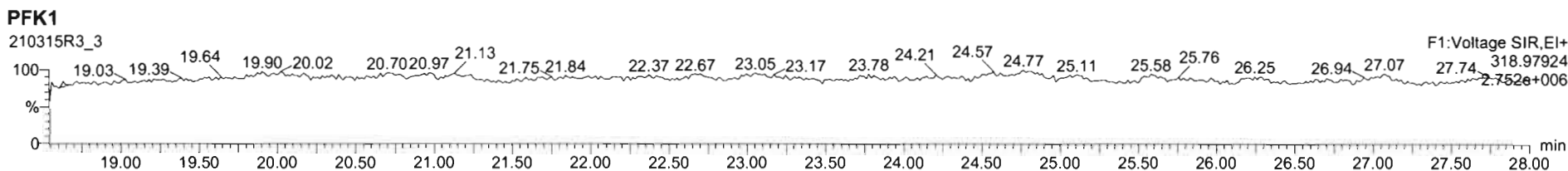
DPE5



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Name: 210315R3_3, Date: 15-Mar-2021, Time: 16:53:15, ID: B1C0125-BS1 OPR 1, Description: OPR



Dataset: U:\VG12.PRO\Results\210316R1\210316R1_8.qld

Last Altered: Wednesday, March 17, 2021 10:50:50 Pacific Daylight Time

Printed: Wednesday, March 17, 2021 10:53:50 Pacific Daylight Time

dy 03-17-2021

Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

E703/26/2021

Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

#	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	1.01	1.019	25.996		1.001				0.159	
2	2 1,2,3,7,8-PeCDD			NO	0.995	1.019	30.913		1.001				0.557	
3	3 1,2,3,4,7,8-HxCDD			NO	1.06	1.019	34.221		1.001				0.511	
4	4 1,2,3,6,7,8-HxCDD			NO	0.940	1.019	34.336		1.001				0.525	
5	5 1,2,3,7,8,9-HxCDD			NO	0.957	1.019	34.587		1.000				0.554	
6	6 1,2,3,4,6,7,8-HpCDD	2.73e2	1.29	YES	0.960	1.019	38.079	38.09	1.000	1.001	1.1107		0.308	0.991
7	7 OCDD			NO	0.912	1.019	40.985		1.000				5.80	
8	8 2,3,7,8-TCDF			NO	0.804	1.019	25.214		1.000				0.137	
9	9 1,2,3,7,8-PeCDF			NO	0.994	1.019	29.589		1.000				0.240	
10	10 2,3,4,7,8-PeCDF			NO	1.14	1.019	30.707		1.001				0.201	
11	11 1,2,3,4,7,8-HxCDF			NO	0.956	1.019	33.330		1.000				0.552	
12	12 1,2,3,6,7,8-HxCDF			NO	0.906	1.019	33.466		1.001				0.495	
13	13 2,3,4,6,7,8-HxCDF			NO	0.963	1.019	34.105		1.001				0.591	
14	14 1,2,3,7,8,9-HxCDF			NO	0.927	1.019	35.069		1.000				0.728	
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.957	1.019	36.606		1.000				0.555	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.10	1.019	38.750		1.000				0.589	
17	17 OCDF			NO	0.775	1.019	41.257		1.000				1.83	
18	18 13C-2,3,7,8-TCDD	1.31e6	0.78	NO	1.15	1.019	25.949	25.97	1.033	1.034	1851.3	94.3	1.29	
19	19 13C-1,2,3,7,8-PeCDD	9.63e5	0.64	NO	0.830	1.019	30.860	30.88	1.228	1.229	1890.5	96.3	1.91	
20	20 13C-1,2,3,4,7,8-HxCDD	7.28e5	1.29	NO	0.703	1.019	34.215	34.20	1.014	1.014	1817.4	92.6	3.75	
21	21 13C-1,2,3,6,7,8-HxCDD	8.50e5	1.29	NO	0.809	1.019	34.316	34.31	1.017	1.017	1843.7	94.0	3.26	
22	22 13C-1,2,3,7,8,9-HxCDD	8.06e5	1.27	NO	0.733	1.019	34.593	34.58	1.025	1.025	1930.1	98.4	3.60	
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.02e5	1.06	NO	0.497	1.019	38.209	38.07	1.133	1.128	1773.5	90.4	3.97	
24	24 13C-OCDD	4.58e5	0.92	NO	0.462	1.019	40.942	40.98	1.214	1.215	1739.9	44.3	4.84	
25	25 13C-2,3,7,8-TCDF	1.77e6	0.77	NO	0.977	1.019	25.210	25.21	1.003	1.004	1998.8	102	2.20	
26	26 13C-1,2,3,7,8-PeCDF	1.36e6	1.62	NO	0.759	1.019	29.556	29.59	1.176	1.178	1981.8	101	4.21	
27	27 13C-2,3,4,7,8-PeCDF	1.29e6	1.57	NO	0.657	1.019	30.671	30.69	1.221	1.221	2163.1	110	4.87	
28	28 13C-1,2,3,4,7,8-HxCDF	9.21e5	0.51	NO	0.950	1.019	33.300	33.32	0.987	0.988	1701.0	86.7	3.88	
29	29 13C-1,2,3,6,7,8-HxCDF	1.08e6	0.51	NO	1.10	1.019	33.429	33.45	0.991	0.991	1719.0	87.6	3.36	
30	30 13C-2,3,4,6,7,8-HxCDF	9.14e5	0.51	NO	0.957	1.019	34.097	34.08	1.011	1.010	1675.2	85.4	3.85	
31	31 13C-1,2,3,7,8,9-HxCDF	8.46e5	0.50	NO	0.821	1.019	35.082	35.06	1.040	1.039	1810.0	92.2	4.49	

Dataset: U:\VG12.PRO\Results\210316R1\210316R1_8.qld

Last Altered: Wednesday, March 17, 2021 10:50:50 Pacific Daylight Time

Printed: Wednesday, March 17, 2021 10:53:50 Pacific Daylight Time

Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.71e5	0.42	NO	0.663	1.019	36.644	36.59	1.086	1.084	1777.4	90.6	3.81	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.34e5	0.43	NO	0.475	1.019	38.904	38.74	1.153	1.148	1603.7	81.7	5.31	
34	34 13C-OCDF	8.30e5	0.88	NO	0.632	1.019	41.664	41.25	1.235	1.223	2305.3	58.7	4.21	
35	35 37Cl-2,3,7,8-TCDD	5.72e5			1.04	1.019	25.959	25.98	1.033	1.034	897.17	114	0.523	
36	36 13C-1,2,3,4-TCDD	1.20e6	0.79	NO	1.00	1.019	25.180	25.12	1.000	1.000	1962.3	100	1.49	
37	37 13C-1,2,3,4-TCDF	1.78e6	0.79	NO	1.00	1.019	23.540	23.47	1.000	1.000	1962.3	100	2.15	
38	38 13C-1,2,3,4,6,9-HxCDF	1.12e6	0.52	NO	1.00	1.019	33.740	33.74	1.000	1.000	1962.3	100	3.69	
39	39 Total Tetra-Dioxins				1.01	1.019	24.620		0.000				0.0878	
40	40 Total Penta-Dioxins				0.995	1.019	29.960		0.000		0.00000		0.102	0.831
41	41 Total Hexa-Dioxins				0.940	1.019	33.635		0.000				0.308	
42	42 Total Hepta-Dioxins				0.960	1.019	37.640		0.000		0.00000		0.388	0.991
43	43 Total Tetra-Furans				0.804	1.019	23.610		0.000				0.0604	
44	44 1st Func. Penta-Furans				0.994	1.019	26.930		0.000				0.0384	
45	45 Total Penta-Furans				0.994	1.019	29.275		0.000				0.127	
46	46 Total Hexa-Furans				0.963	1.019	33.555		0.000				0.246	
47	47 Total Hepta-Furans				0.957	1.019	37.835		0.000				0.335	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210316R1\210316R1_8.qld

Last Altered: Wednesday, March 17, 2021 10:50:50 Pacific Daylight Time

Printed: Wednesday, March 17, 2021 10:53:50 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

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	29.33	3.797e3	1.428e4	1.568e2	7.583e2	0.21	YES	0.000e0	0.00000	0.83078	0.557

Hexa-Dioxins

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

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDD	38.09	3.205e3	2.419e3	1.536e2	1.193e2	1.29	YES	2.729e2	0.00000	0.99062	0.388

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210316R1\210316R1_8.qld

Last Altered: Wednesday, March 17, 2021 10:50:50 Pacific Daylight Time

Printed: Wednesday, March 17, 2021 10:53:50 Pacific Daylight Time

Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

Penta-Furans

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

Hexa-Furans

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

Hepta-Furans

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

Dataset: Untitled

Last Altered: Wednesday, March 17, 2021 09:14:48 Pacific Daylight Time

Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

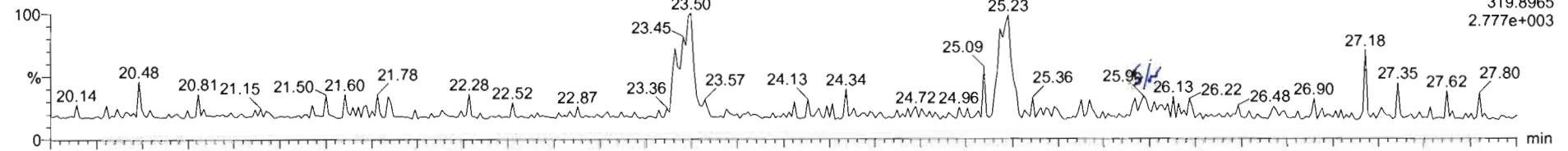
Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56

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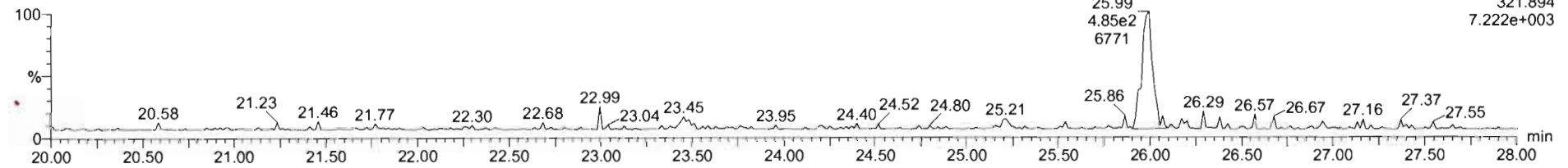
Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

2,3,7,8-TCDD

210316R1_8

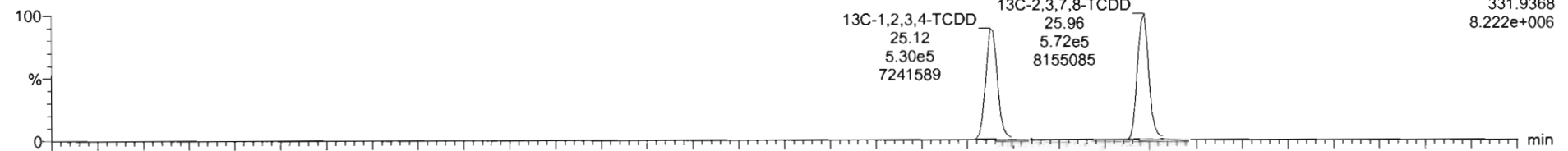


210316R1_8

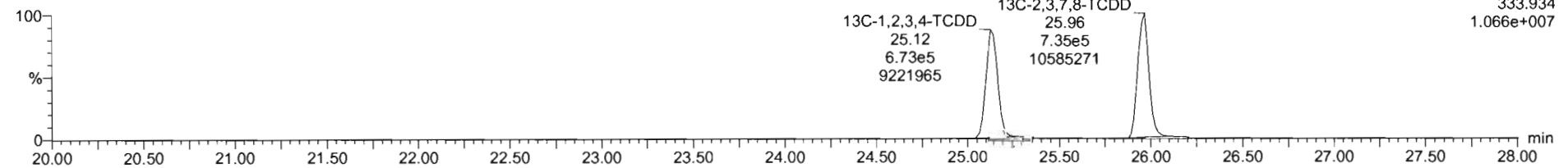


13C-2,3,7,8-TCDD

210316R1_8



210316R1_8



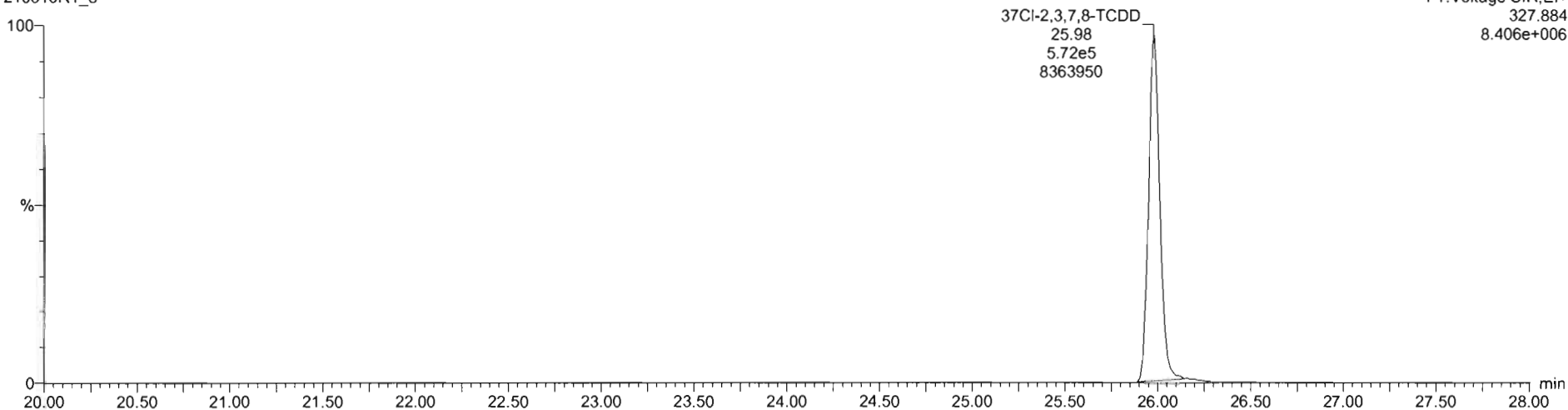
Dataset: Untitled

Last Altered: Wednesday, March 17, 2021 09:14:48 Pacific Daylight Time
Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

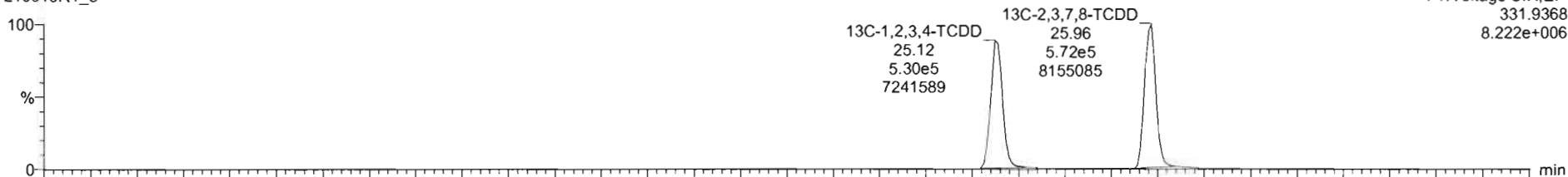
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210316R1_8

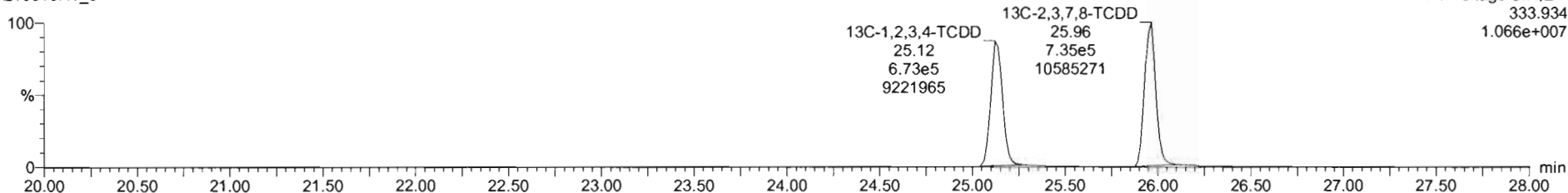


13C-1,2,3,4-TCDD

210316R1_8



210316R1_8



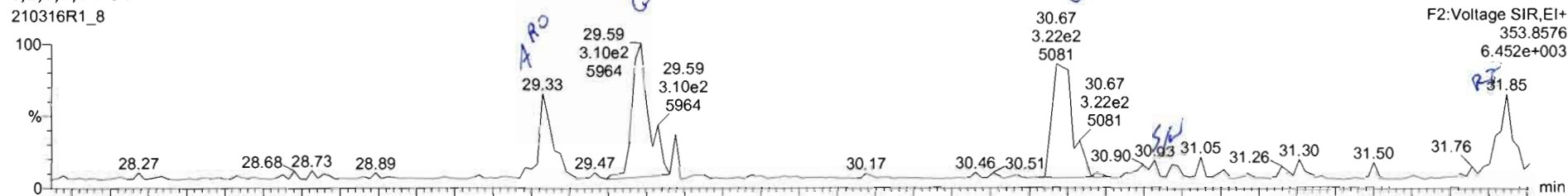
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Last Altered: Wednesday, March 17, 2021 09:14:48 Pacific Daylight Time
Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

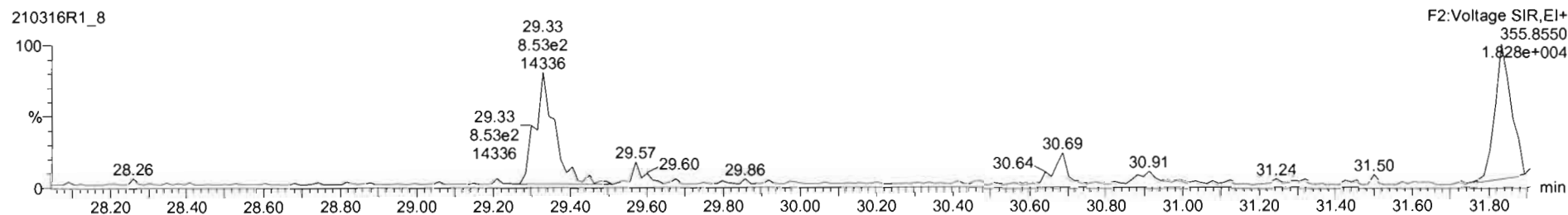
Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

1,2,3,7,8-PeCDD

210316R1_8

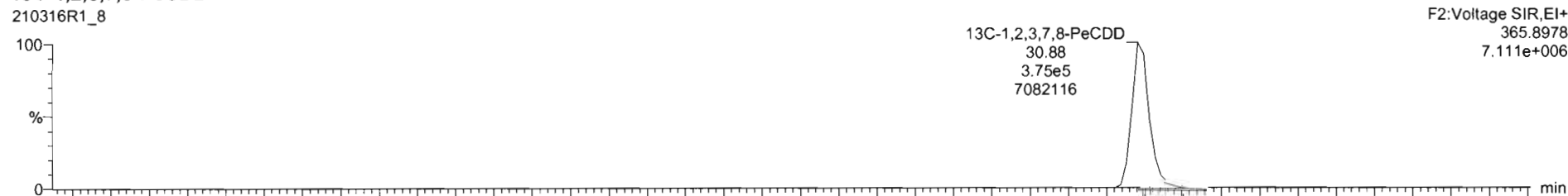


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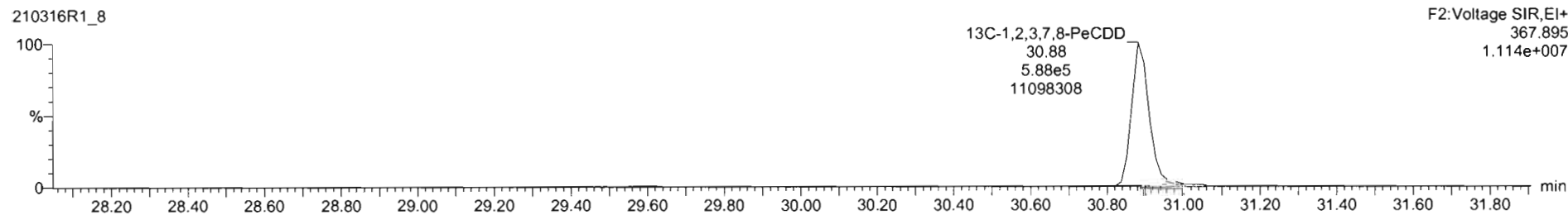


13C-1,2,3,7,8-PeCDD

210316R1_8

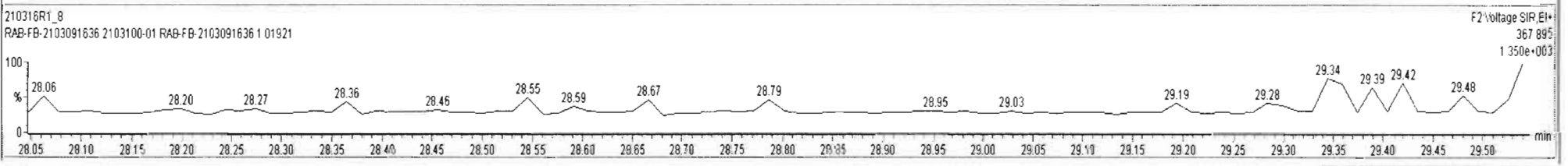
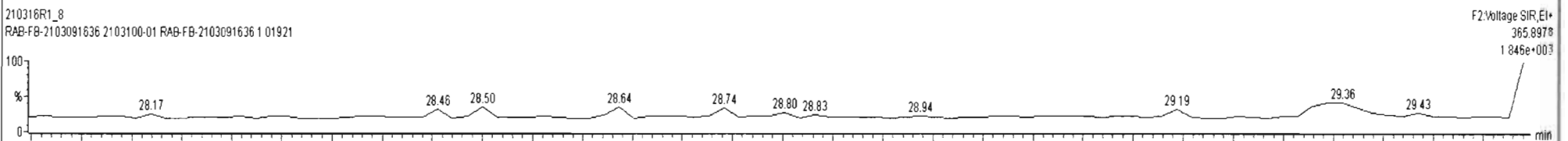
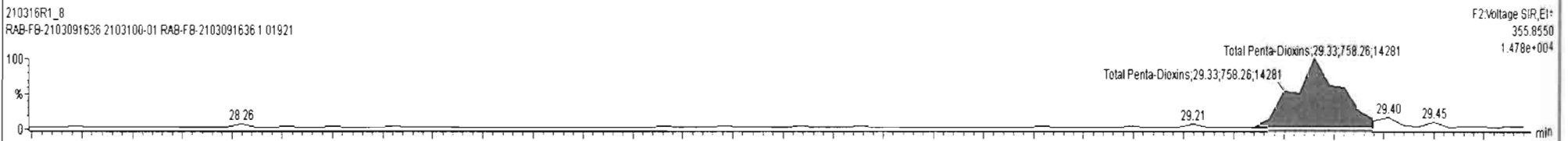
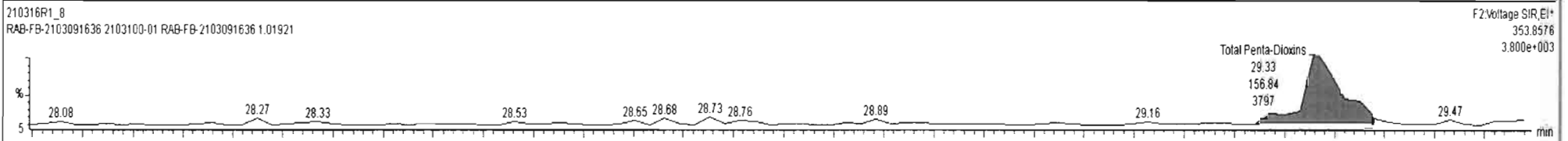


210316R1_8



Name	Resp	RA	nly	RFF	wVol	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				1.0087	1.019					0.0678	
40 Total Penta-Dioxins				0.9952	1.019			0.000		0.102	0.831
41 Total Hexa-Dioxins				0.9404	1.019					0.306	
42 Total Hepta-Dioxins				0.9601	1.019					0.388	
43 Total Tetra-Furans				0.8039	1.019					0.0604	

Name	RT	m1 Resp	m2 Resp	RA	nly	EMPC	Conc.
1 Total Penta-Dioxins	29.33	1.569e2	7.583e2	0.21	YES	0.83078	0.00000



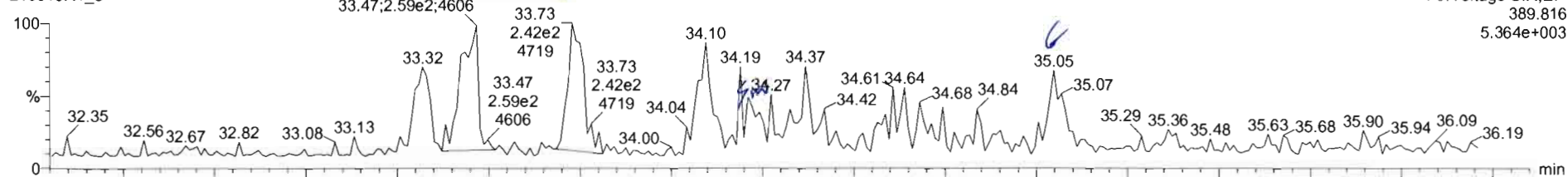
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Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

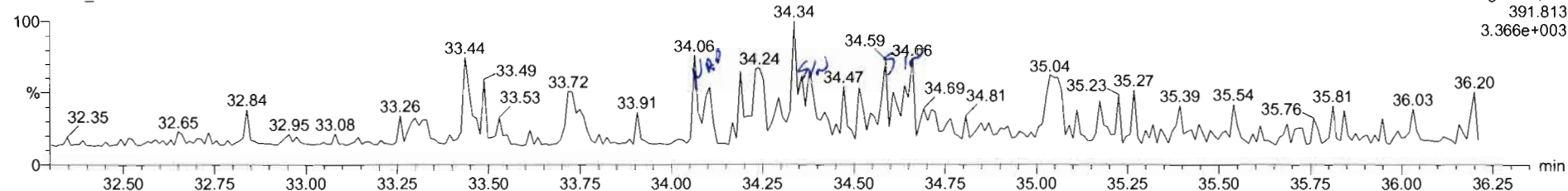
Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

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

210316R1_8

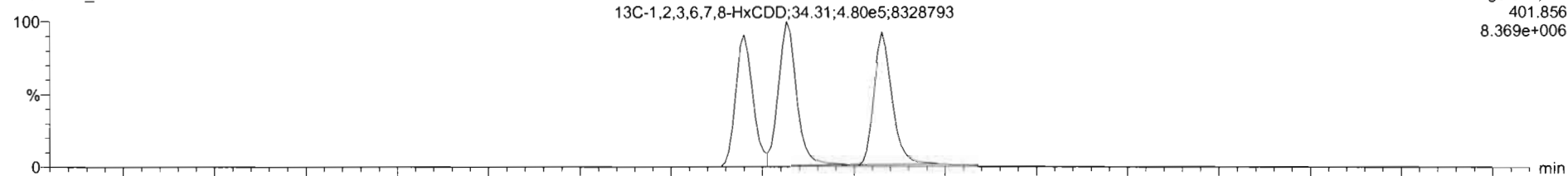


210316R1_8

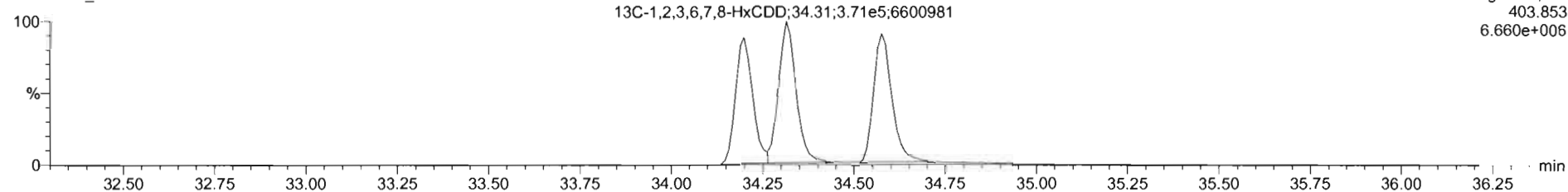


13C-1,2,3,4,7,8-HxCDD

210316R1_8



210316R1_8



Dataset: Untitled

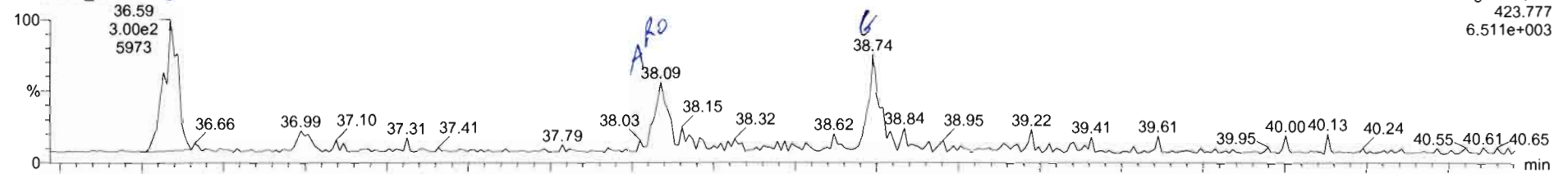
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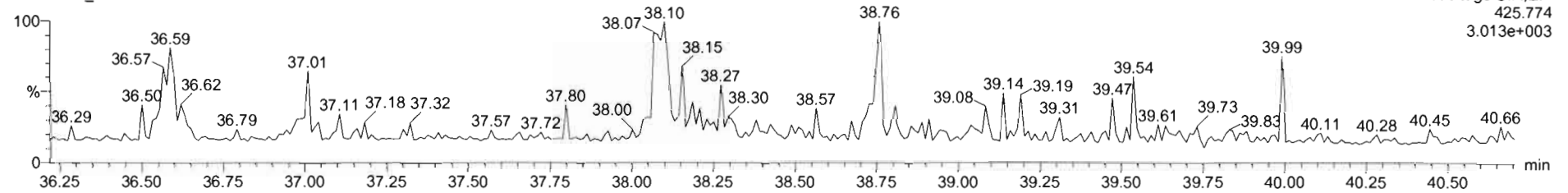
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1,2,3,4,6,7,8-HpCDD

210316R1_8

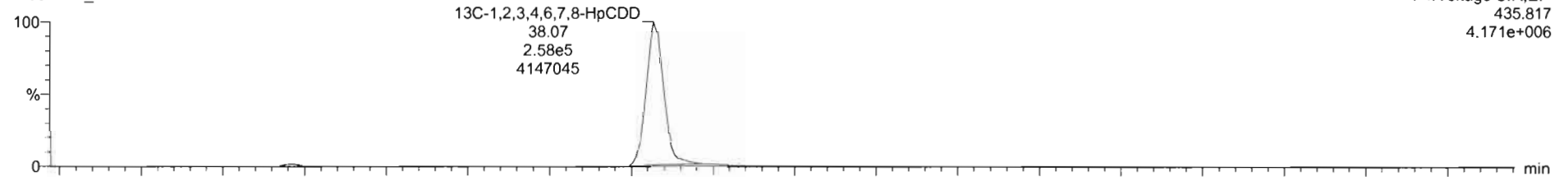


210316R1_8

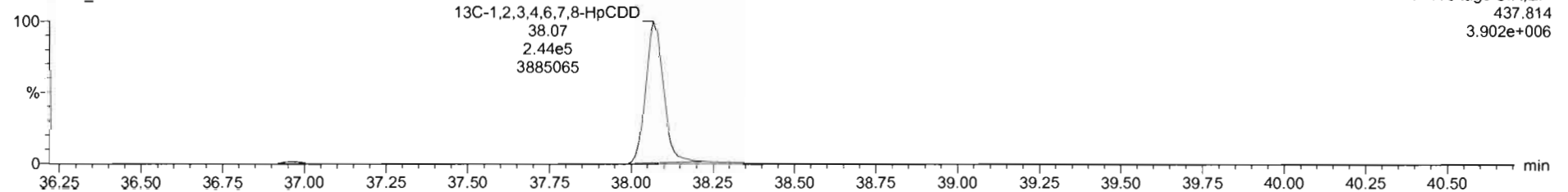


13C-1,2,3,4,6,7,8-HpCDD

210316R1_8



210316R1_8

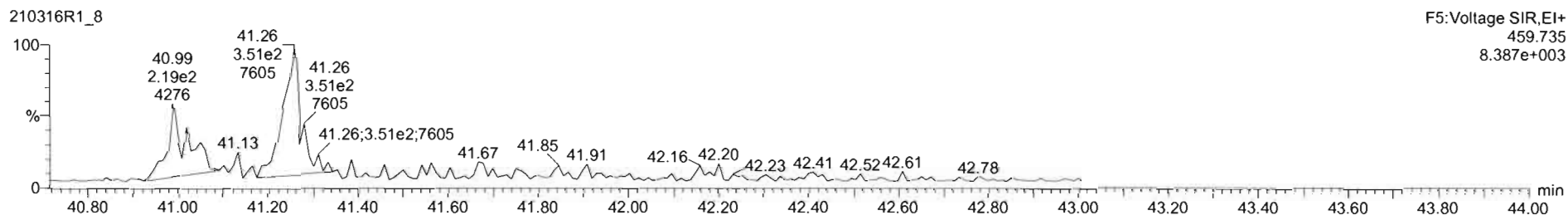
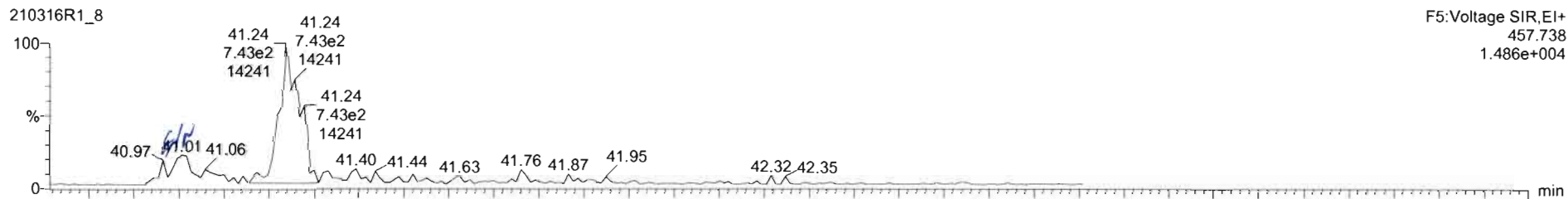


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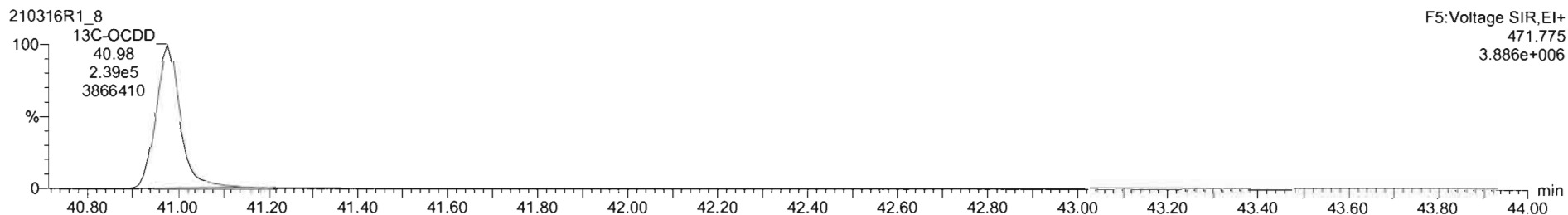
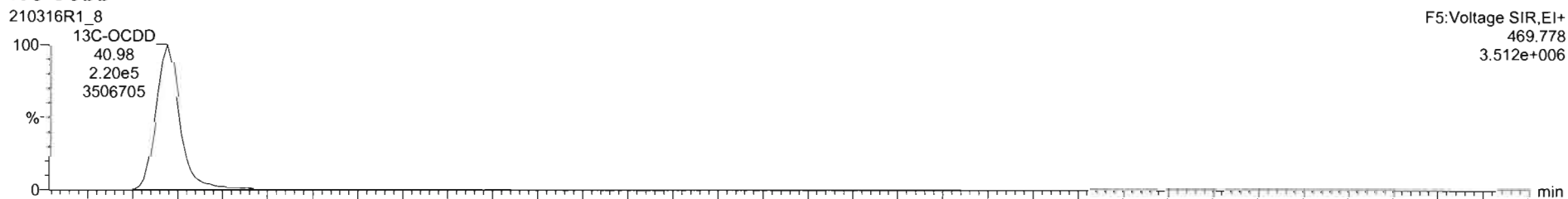
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Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

OCDD



13C-OCDD

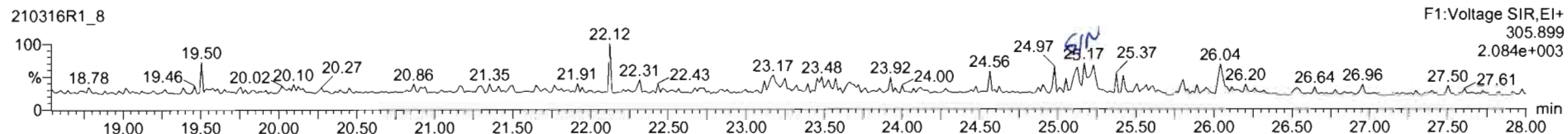
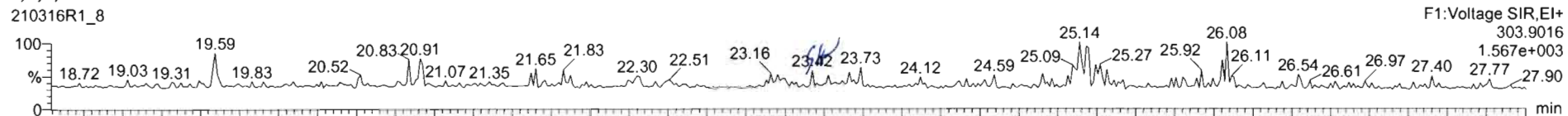


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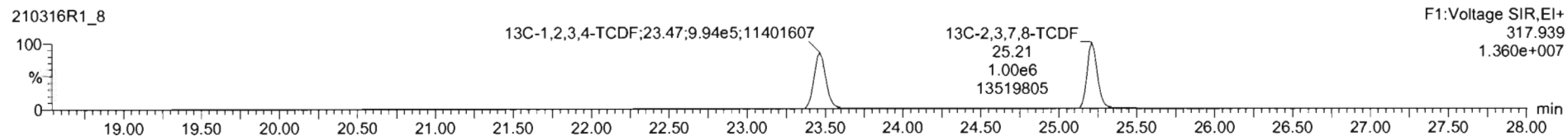
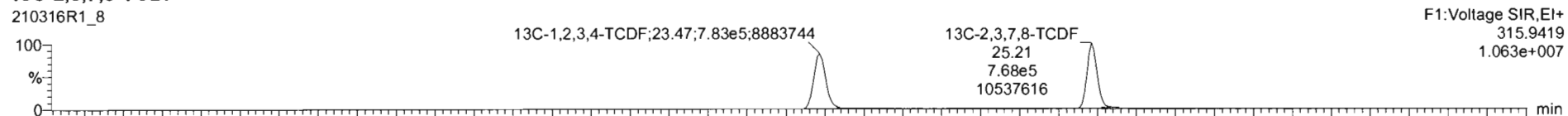
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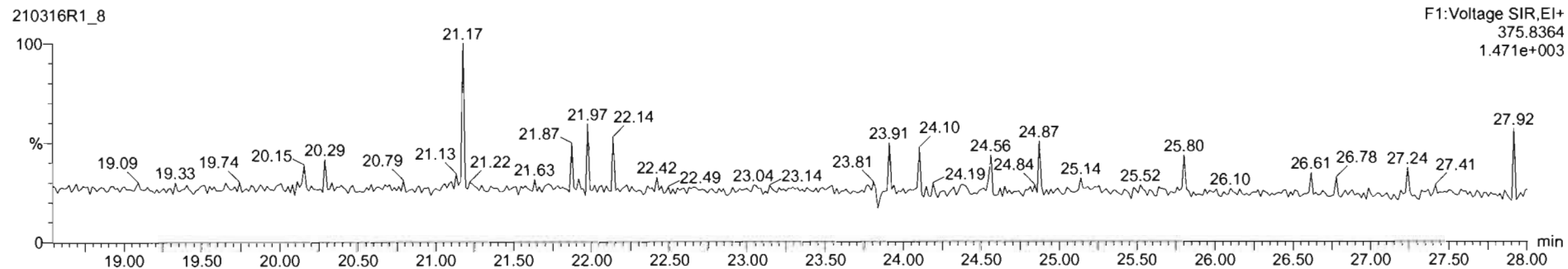
2,3,7,8-TCDF



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



DPE1



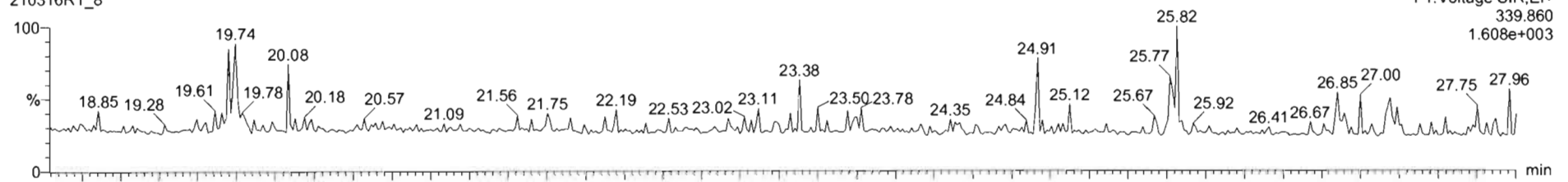
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Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

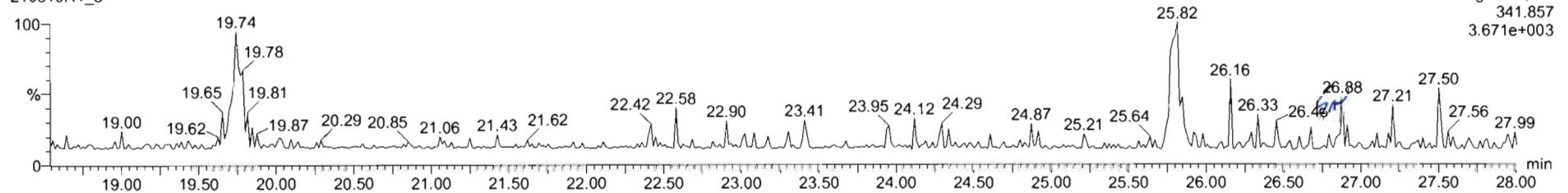
Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

1st Func. Penta-Furans

210316R1_8

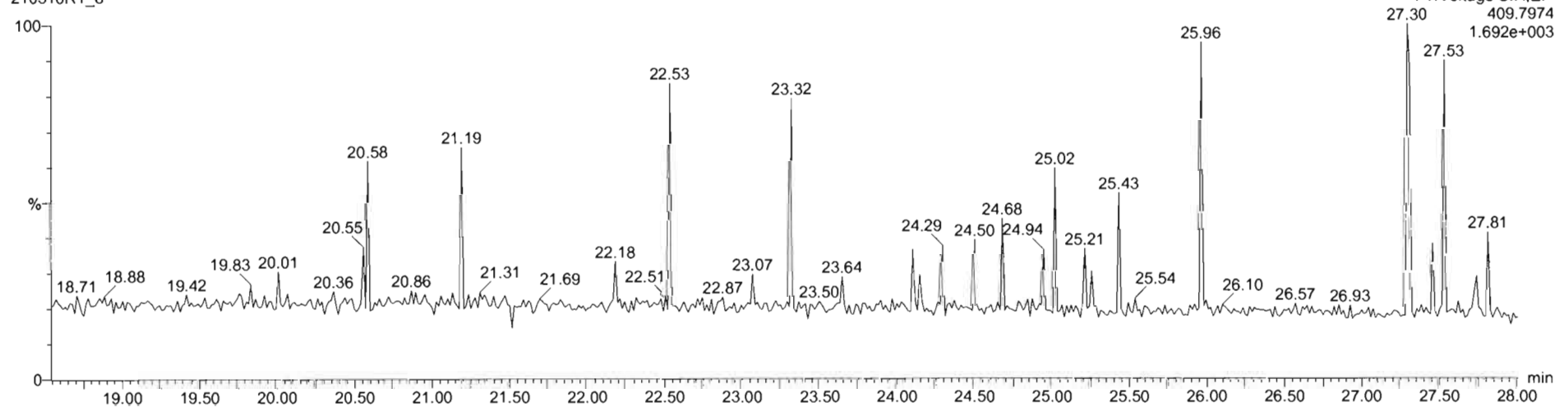


210316R1_8



DPE6

210316R1_8

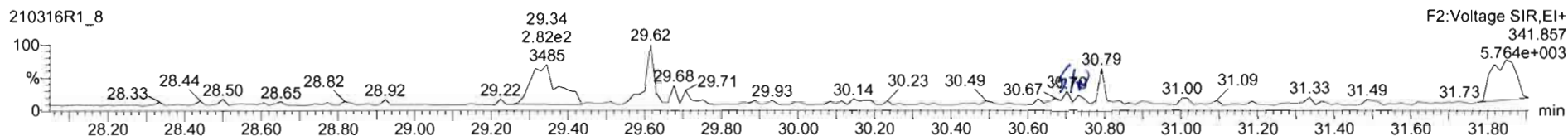
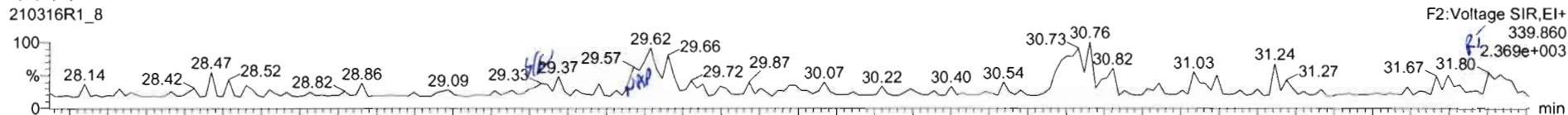


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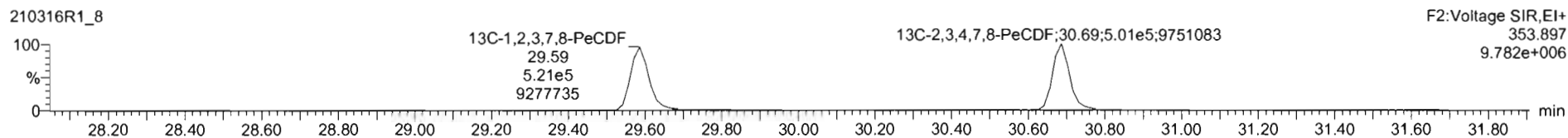
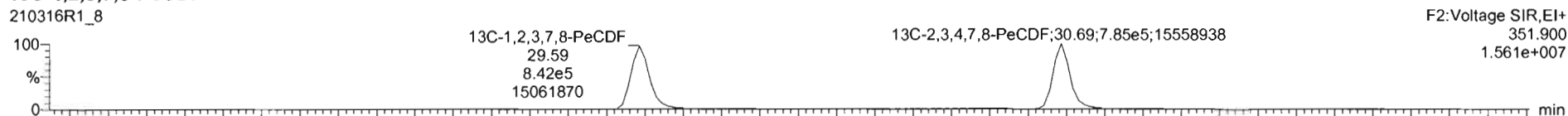
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Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

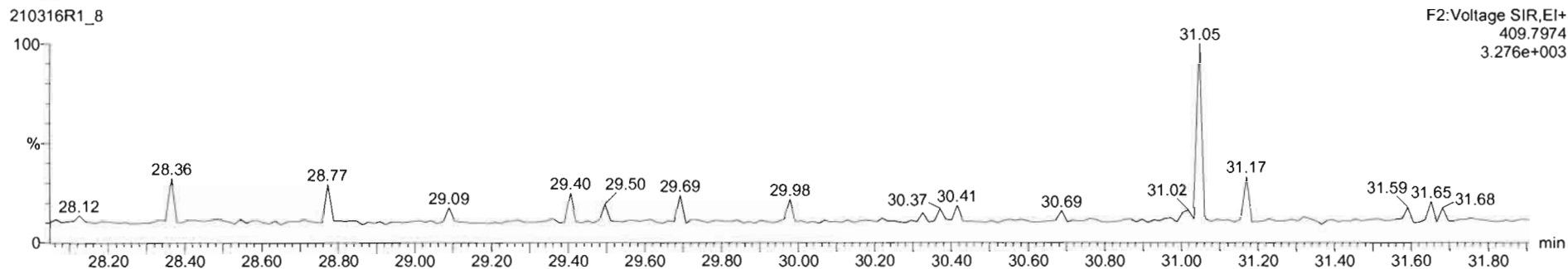
1,2,3,7,8-PeCDF



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



DPE2



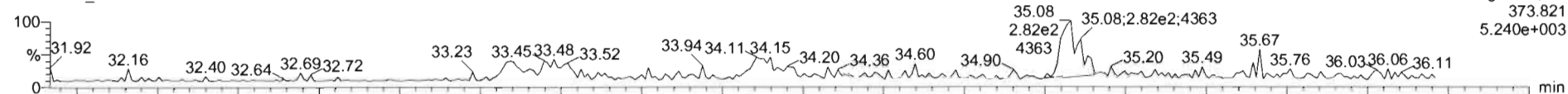
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Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

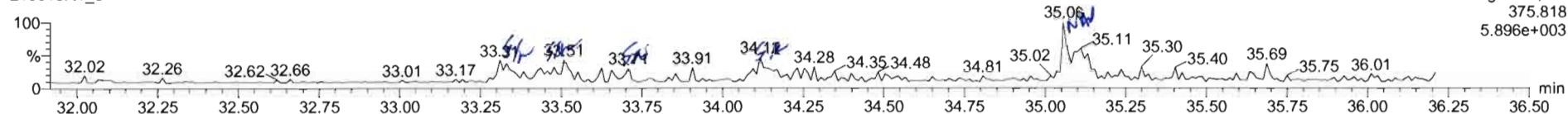
Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

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

210316R1_8

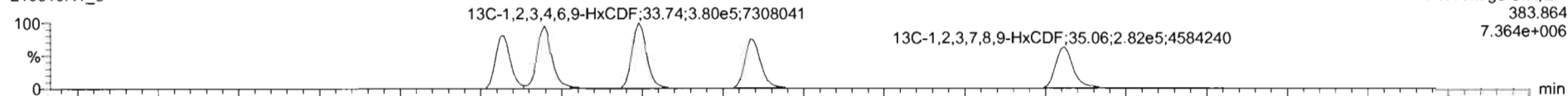


210316R1_8

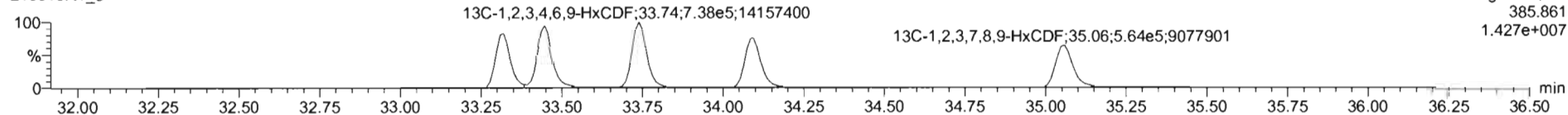


13C-1,2,3,4,7,8-HxCDF

210316R1_8

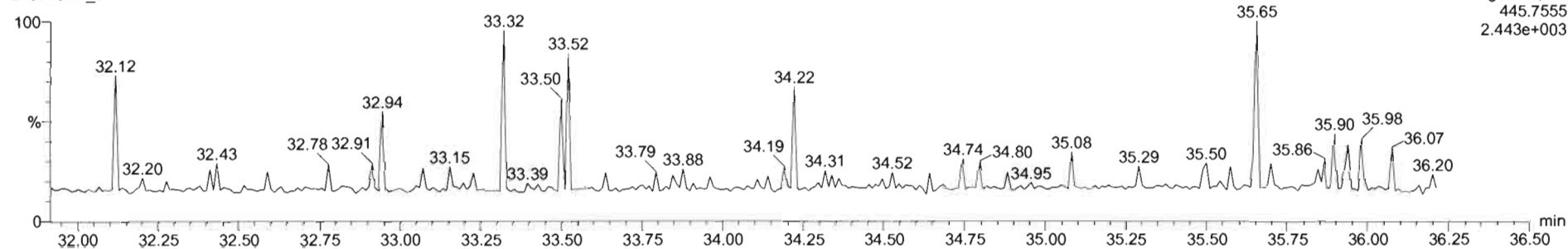


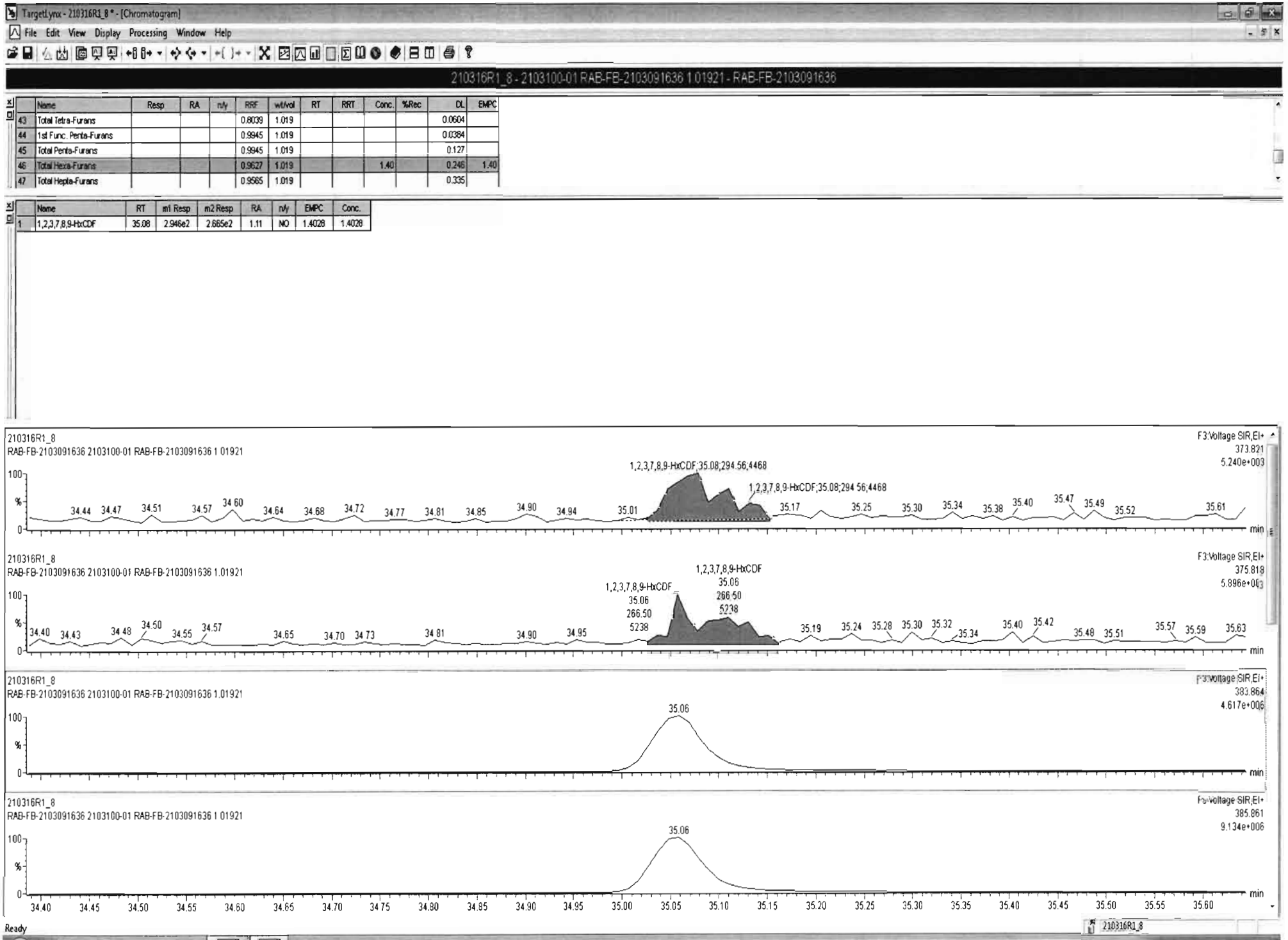
210316R1_8



DPE3

210316R1_8





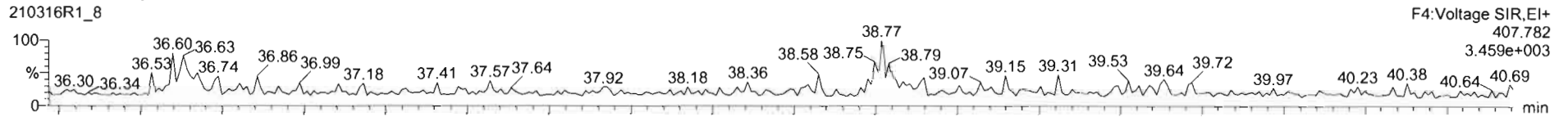
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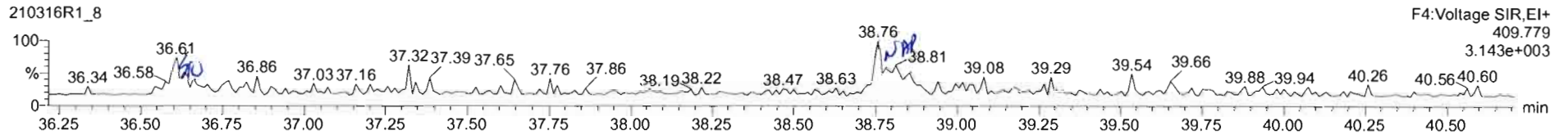
Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

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

210316R1_8

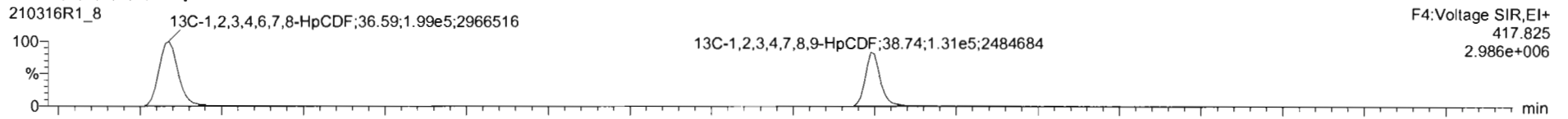


210316R1_8

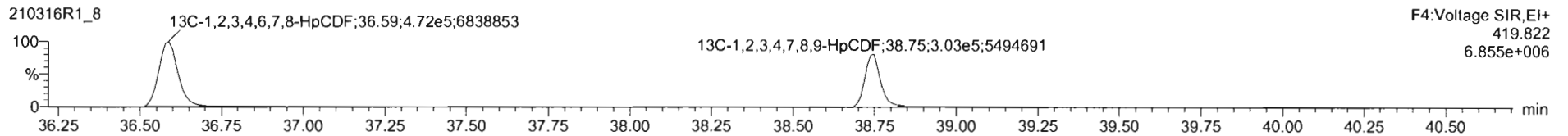


13C-1,2,3,4,6,7,8-HpCDF

210316R1_8

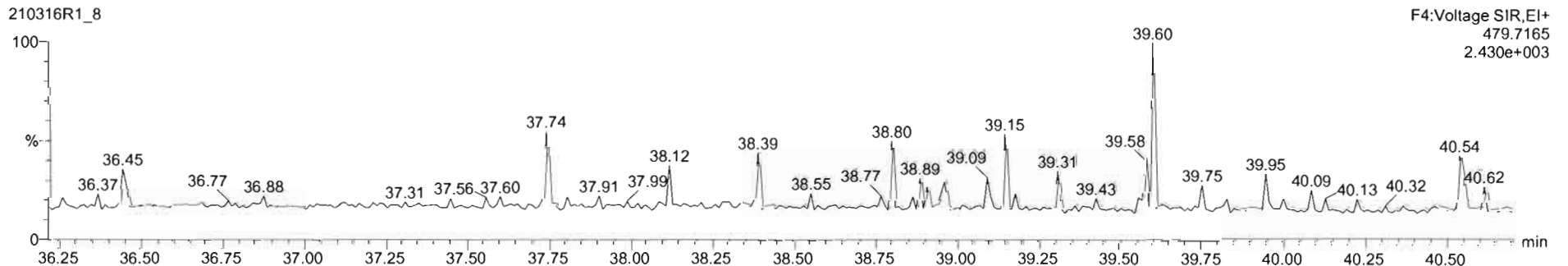


210316R1_8



DPE4

210316R1_8

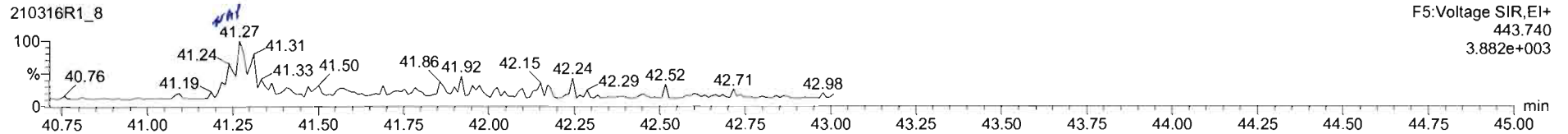
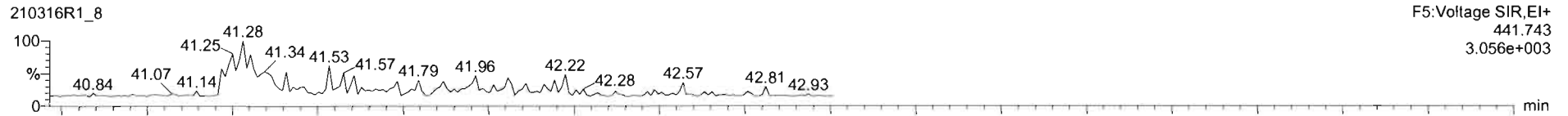


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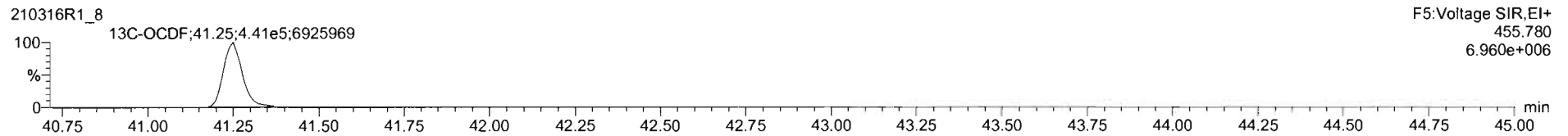
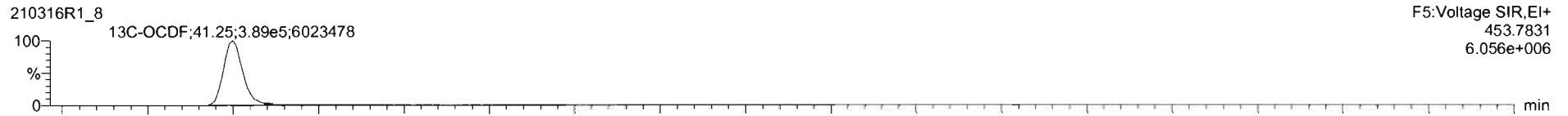
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Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

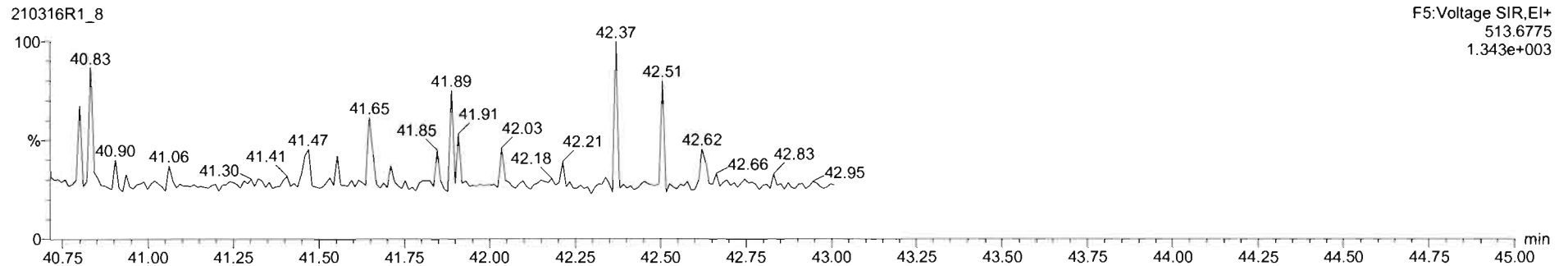
OCDF

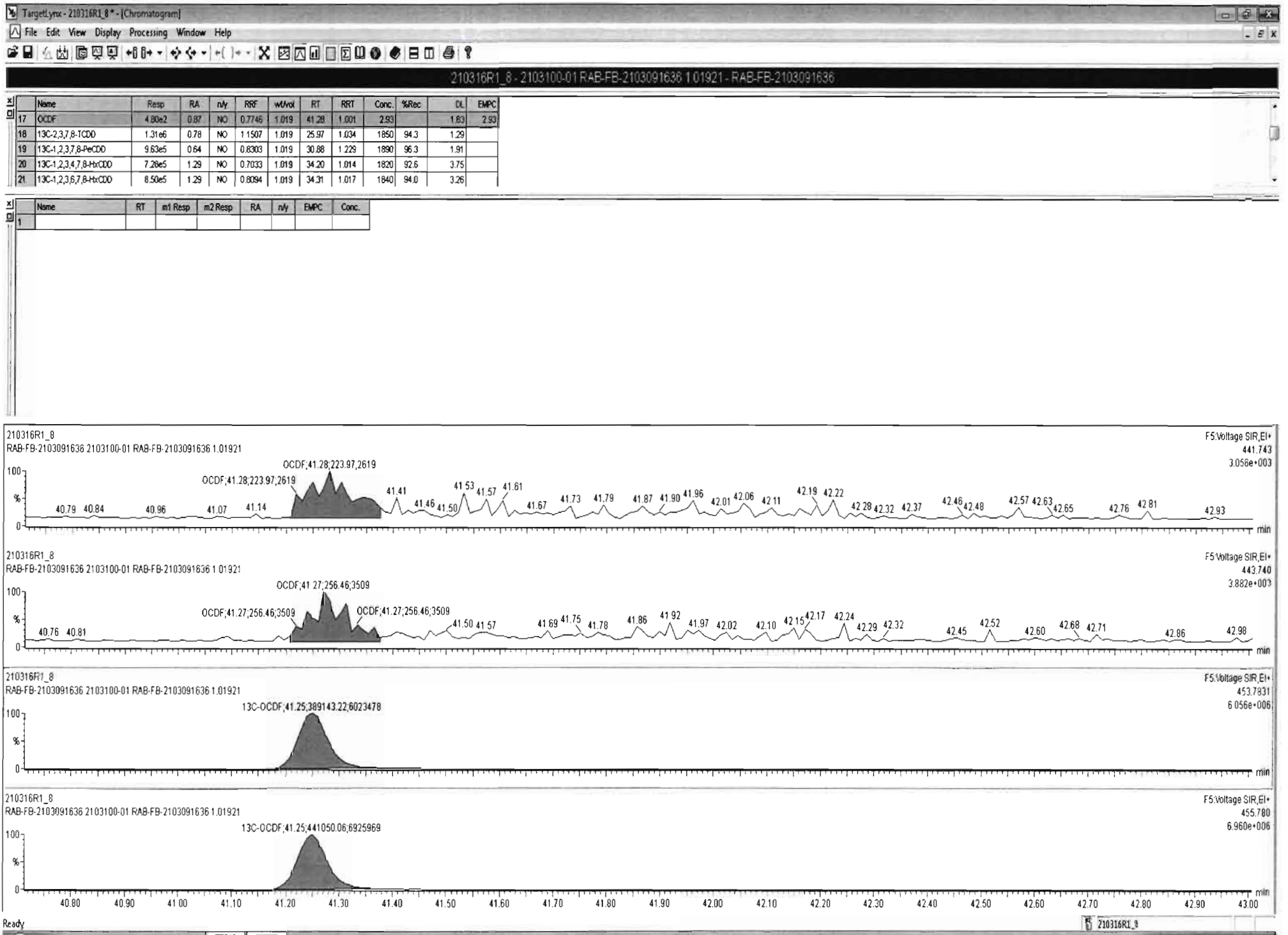


13C-OCDF



DPE5





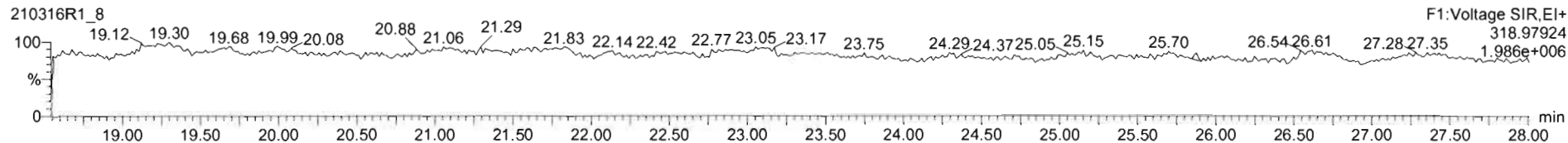
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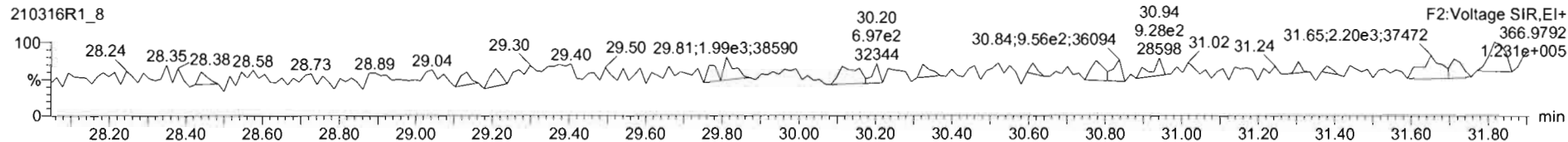
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Name: 210316R1_8, Date: 16-Mar-2021, Time: 17:25:16, ID: 2103100-01 RAB-FB-2103091636 1.01921, Description: RAB-FB-2103091636

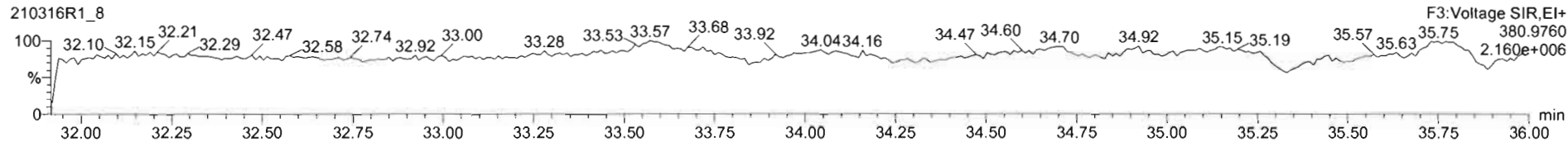
PFK1



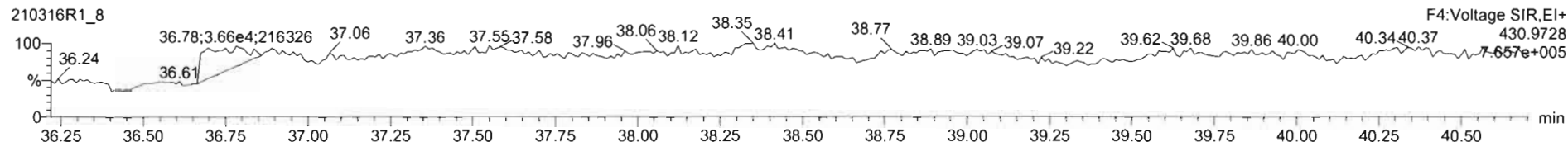
PFK2



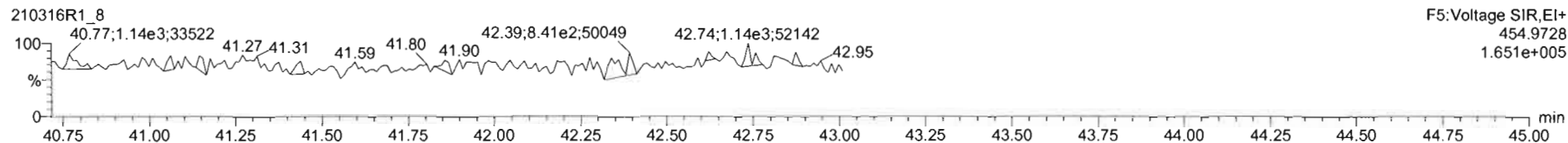
PFK3



PFK4



PFK5



Dataset: U:\VG12.PRO\Results\210316R1\210316R1_9.qld

Last Altered: Wednesday, March 17, 2021 11:10:22 Pacific Daylight Time
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G103/26/2021

Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56
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Name: 210316R1_9, Date: 16-Mar-2021, Time: 18:09:45, ID: 2103100-02 RAB-RB-2103091709 1.01144, Description: RAB-RB-2103091709

#	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	1.01	1.011	25.966		1.001				0.172	
2	2 1,2,3,7,8-PeCDD			NO	0.995	1.011	30.898		1.001				0.267	
3	3 1,2,3,4,7,8-HxCDD			NO	1.06	1.011	34.200		1.001				0.402	
4	4 1,2,3,6,7,8-HxCDD			NO	0.940	1.011	34.315		1.001				0.425	
5	5 1,2,3,7,8,9-HxCDD			NO	0.957	1.011	34.566		1.000				0.443	
6	6 1,2,3,4,6,7,8-HpCDD			NO	0.960	1.011	38.058		1.000				0.682	
7	7 OCDD			NO	0.912	1.011	40.985		1.000				2.73	
8	8 2,3,7,8-TCDF			NO	0.804	1.011	25.199		1.000				0.134	
9	9 1,2,3,7,8-PeCDF			NO	0.994	1.011	29.573		1.000				0.230	
10	10 2,3,4,7,8-PeCDF			NO	1.14	1.011	30.692		1.001				0.194	
11	11 1,2,3,4,7,8-HxCDF			NO	0.956	1.011	33.299		1.000				0.231	
12	12 1,2,3,6,7,8-HxCDF			NO	0.906	1.011	33.445		1.001				0.231	
13	13 2,3,4,6,7,8-HxCDF			NO	0.963	1.011	34.083		1.001				0.248	
14	14 1,2,3,7,8,9-HxCDF	3.92e2	1.34	NO	0.927	1.011	35.038	35.05	1.000	1.001	1.0644		0.206	1.06
15	15 1,2,3,4,6,7,8-HpCDF			NO	0.957	1.011	36.573		1.000				0.509	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.10	1.011	38.739		1.000				0.530	
17	17 OCDF			NO	0.775	1.011	41.267		1.000				1.10	
18	18 13C-2,3,7,8-TCDD	1.31e6	0.77	NO	1.15	1.011	25.949	25.93	1.033	1.032	1894.4	95.8	1.40	
19	19 13C-1,2,3,7,8-PeCDD	9.68e5	0.63	NO	0.830	1.011	30.860	30.87	1.228	1.229	1936.1	97.9	2.40	
20	20 13C-1,2,3,4,7,8-HxCDD	6.81e5	1.26	NO	0.703	1.011	34.193	34.18	1.014	1.014	1910.3	96.6	3.19	
21	21 13C-1,2,3,6,7,8-HxCDD	7.81e5	1.26	NO	0.809	1.011	34.295	34.29	1.017	1.017	1902.9	96.2	2.77	
22	22 13C-1,2,3,7,8,9-HxCDD	7.41e5	1.26	NO	0.733	1.011	34.571	34.56	1.025	1.025	1994.6	101	3.06	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.77e5	1.05	NO	0.497	1.011	38.186	38.05	1.133	1.128	1893.7	95.8	4.03	
24	24 13C-OCDD	4.63e5	0.88	NO	0.462	1.011	40.917	40.98	1.214	1.215	1977.1	50.0	4.60	
25	25 13C-2,3,7,8-TCDF	1.74e6	0.77	NO	0.977	1.011	25.210	25.20	1.003	1.003	1932.2	97.7	2.42	
26	26 13C-1,2,3,7,8-PeCDF	1.41e6	1.58	NO	0.759	1.011	29.556	29.57	1.176	1.177	2020.2	102	4.06	
27	27 13C-2,3,4,7,8-PeCDF	1.36e6	1.60	NO	0.657	1.011	30.671	30.67	1.221	1.221	2245.9	114	4.69	
28	28 13C-1,2,3,4,7,8-HxCDF	8.91e5	0.52	NO	0.950	1.011	33.280	33.29	0.987	0.987	1850.4	93.6	3.86	
29	29 13C-1,2,3,6,7,8-HxCDF	1.02e6	0.51	NO	1.10	1.011	33.408	33.42	0.991	0.991	1827.7	92.4	3.34	
30	30 13C-2,3,4,6,7,8-HxCDF	8.97e5	0.51	NO	0.957	1.011	34.075	34.06	1.011	1.010	1848.5	93.5	3.83	
31	31 13C-1,2,3,7,8,9-HxCDF	7.86e5	0.51	NO	0.821	1.011	35.060	35.03	1.040	1.039	1889.1	95.5	4.47	

Dataset: U:\VG12.PRO\Results\210316R1\210316R1_9.qld

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Printed: Wednesday, March 17, 2021 11:13:38 Pacific Daylight Time

Name: 210316R1_9, Date: 16-Mar-2021, Time: 18:09:45, ID: 2103100-02 RAB-RB-2103091709 1.01144, Description: RAB-RB-2103091709

	# Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	5.98e5	0.44	NO	0.663	1.011	36.621	36.56	1.086	1.084	1778.9	90.0	4.07	
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.47e5	0.44	NO	0.475	1.011	38.880	38.73	1.153	1.149	1857.1	93.9	5.67	
34	34 13C-OCDF	8.32e5	0.87	NO	0.632	1.011	41.638	41.26	1.235	1.224	2594.9	65.6	6.00	
35	35 37Cl-2,3,7,8-TCDD	5.44e5			1.04	1.011	25.959	25.97	1.033	1.034	869.61	110	0.567	
36	36 13C-1,2,3,4-TCDD	1.19e6	0.78	NO	1.00	1.011	25.180	25.12	1.000	1.000	1977.4	100	1.61	
37	37 13C-1,2,3,4-TCDF	1.82e6	0.79	NO	1.00	1.011	23.540	23.45	1.000	1.000	1977.4	100	2.36	
38	38 13C-1,2,3,4,6,9-HxCDF	1.00e6	0.51	NO	1.00	1.011	33.740	33.72	1.000	1.000	1977.4	100	3.67	
39	39 Total Tetra-Dioxins				1.01	1.011	24.620		0.000				0.0861	
40	40 Total Penta-Dioxins				0.995	1.011	29.960		0.000		0.00000		0.129	0.610
41	41 Total Hexa-Dioxins				0.940	1.011	33.635		0.000				0.253	
42	42 Total Hepta-Dioxins				0.960	1.011	37.640		0.000				0.326	
43	43 Total Tetra-Furans				0.804	1.011	23.610		0.000				0.0656	
44	44 1st Func. Penta-Furans				0.994	1.011	26.930		0.000				0.0397	
45	45 Total Penta-Furans				0.994	1.011	29.275		0.000		0.00000		0.0858	0.121
46	46 Total Hexa-Furans				0.963	1.011	33.555		0.000		1.0644		0.156	1.06
47	47 Total Hepta-Furans				0.957	1.011	37.835		0.000				0.287	

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210316R1\210316R1_9.qld

Last Altered: Wednesday, March 17, 2021 11:10:22 Pacific Daylight Time

Printed: Wednesday, March 17, 2021 11:13:38 Pacific Daylight Time

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Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

Name: 210316R1_9, Date: 16-Mar-2021, Time: 18:09:45, ID: 2103100-02 RAB-RB-2103091709 1.01144, Description: RAB-RB-2103091709

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	29.31	1.698e3	1.406e4	1.148e2	8.344e2	0.14	YES	0.000e0	0.00000	0.60963	0.129

Hexa-Dioxins

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

Hepta-Dioxins

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

Tetra-Furans

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

Penta-Furans function 1

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

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210316R1\210316R1_9.qld

Last Altered: Wednesday, March 17, 2021 11:10:22 Pacific Daylight Time

Printed: Wednesday, March 17, 2021 11:13:38 Pacific Daylight Time

Name: 210316R1_9, Date: 16-Mar-2021, Time: 18:09:45, ID: 2103100-02 RAB-RB-2103091709 1.01144, Description: RAB-RB-2103091709

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	29.33	1.160e3	4.390e3	5.150e1	1.813e2	0.28	YES	0.000e0	0.00000	0.12146	0.0858

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,7,8,9-HxCDF	35.05	3.733e3	2.510e3	2.244e2	1.680e2	1.34	NO	3.924e2	1.0644	1.0644	0.206

Hepta-Furans

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

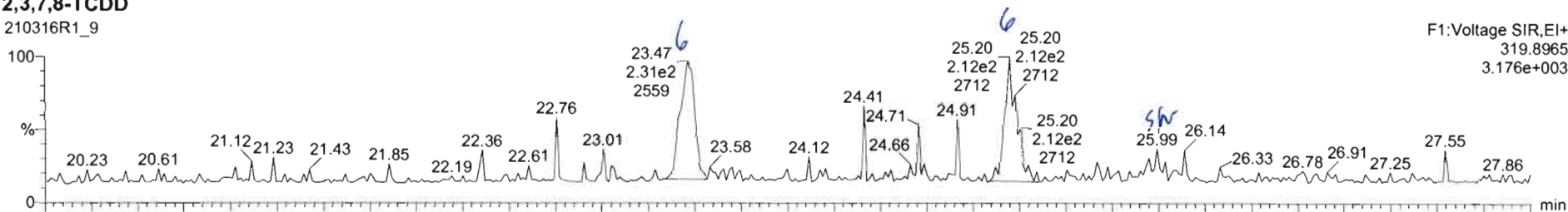
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Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

Name: 210316R1_9, Date: 16-Mar-2021, Time: 18:09:45, ID: 2103100-02 RAB-RB-2103091709 1.01144, Description: RAB-RB-2103091709

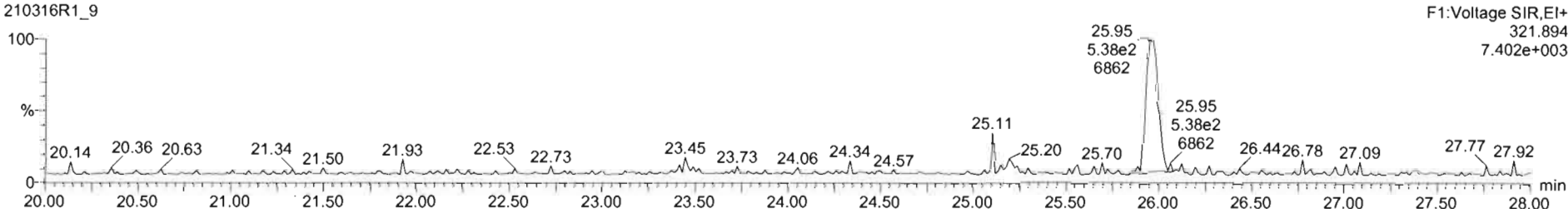
2,3,7,8-TCDD

210316R1_9



F1:Voltage SIR,EI+
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3.176e+003

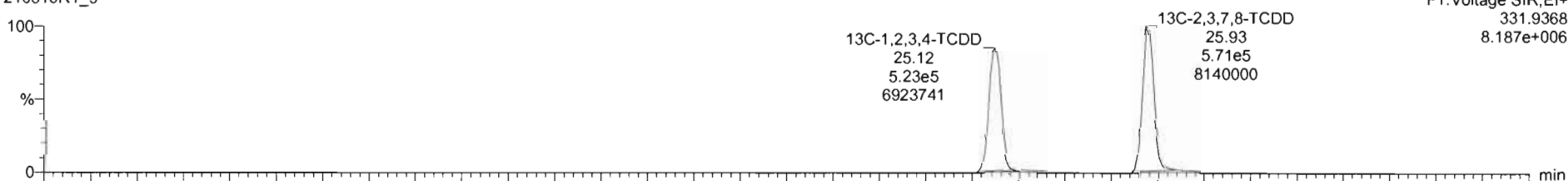
210316R1_9



F1:Voltage SIR,EI+
321.894
7.402e+003

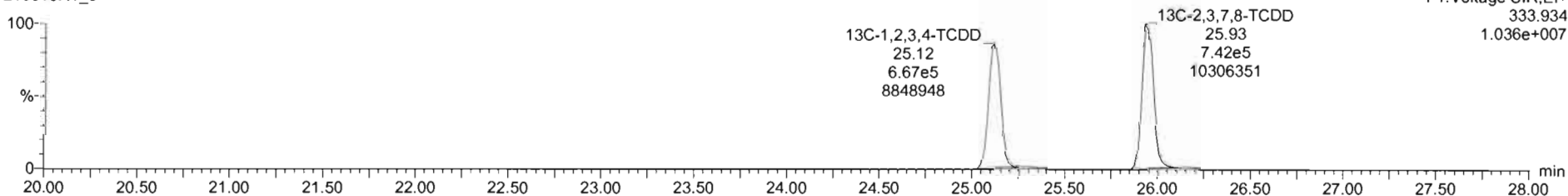
13C-2,3,7,8-TCDD

210316R1_9



F1:Voltage SIR,EI+
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210316R1_9



F1:Voltage SIR,EI+
333.934
1.036e+007

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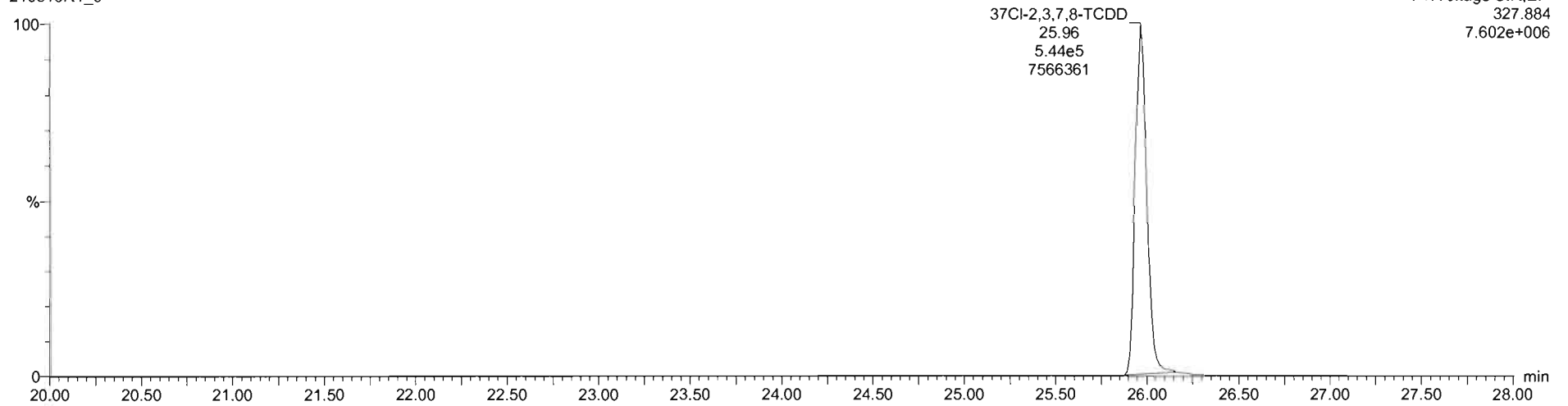
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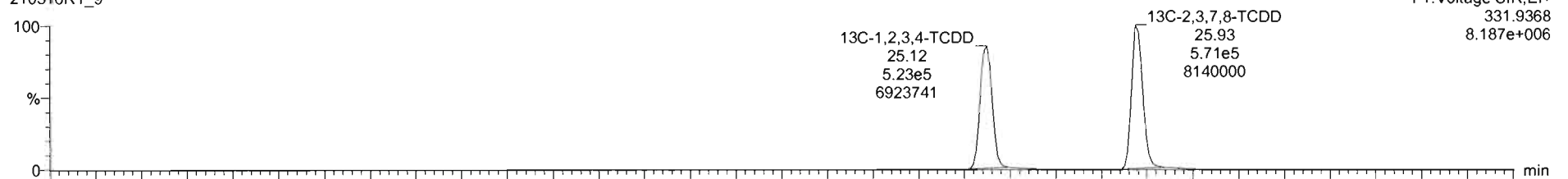
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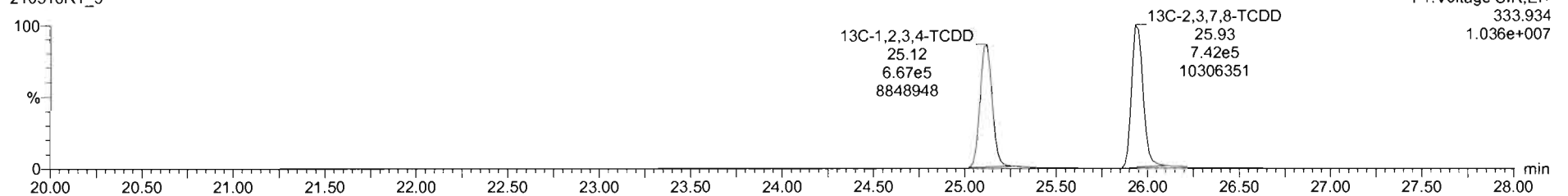


13C-1,2,3,4-TCDD

210316R1_9



210316R1_9



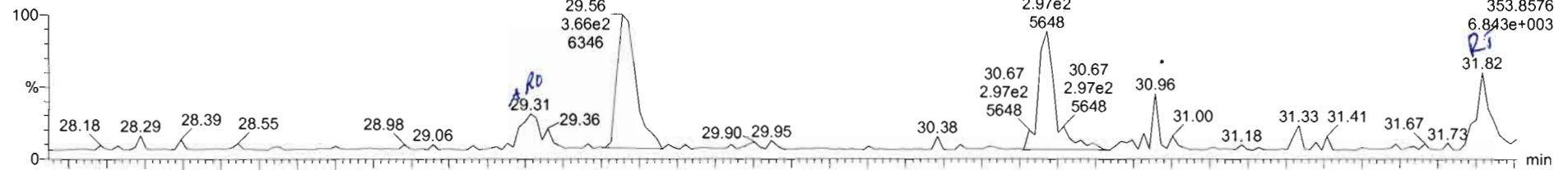
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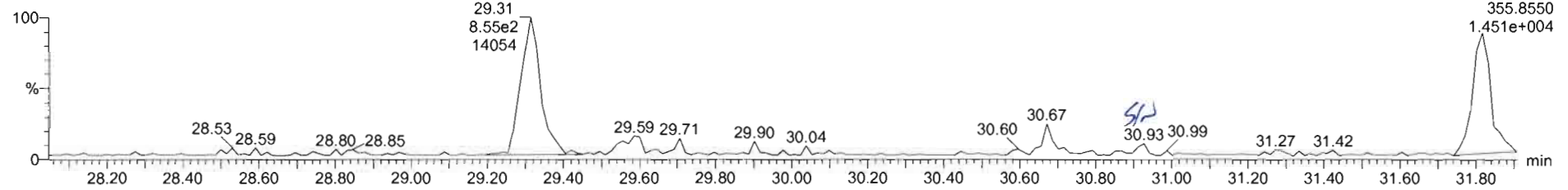
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1,2,3,7,8-PeCDD

210316R1_9

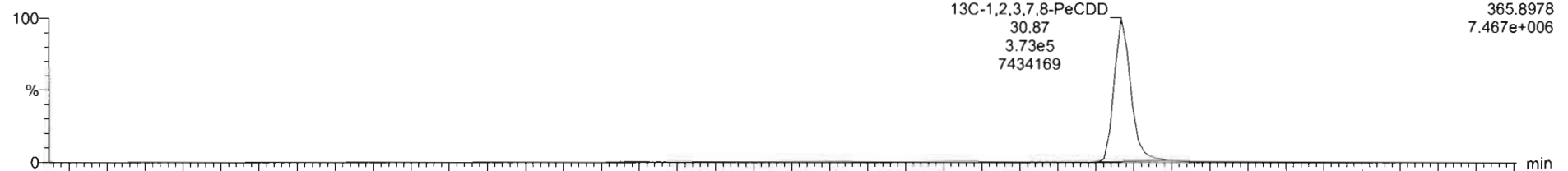


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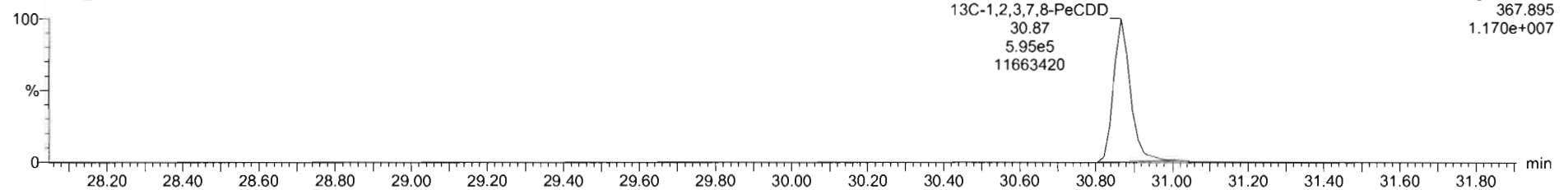


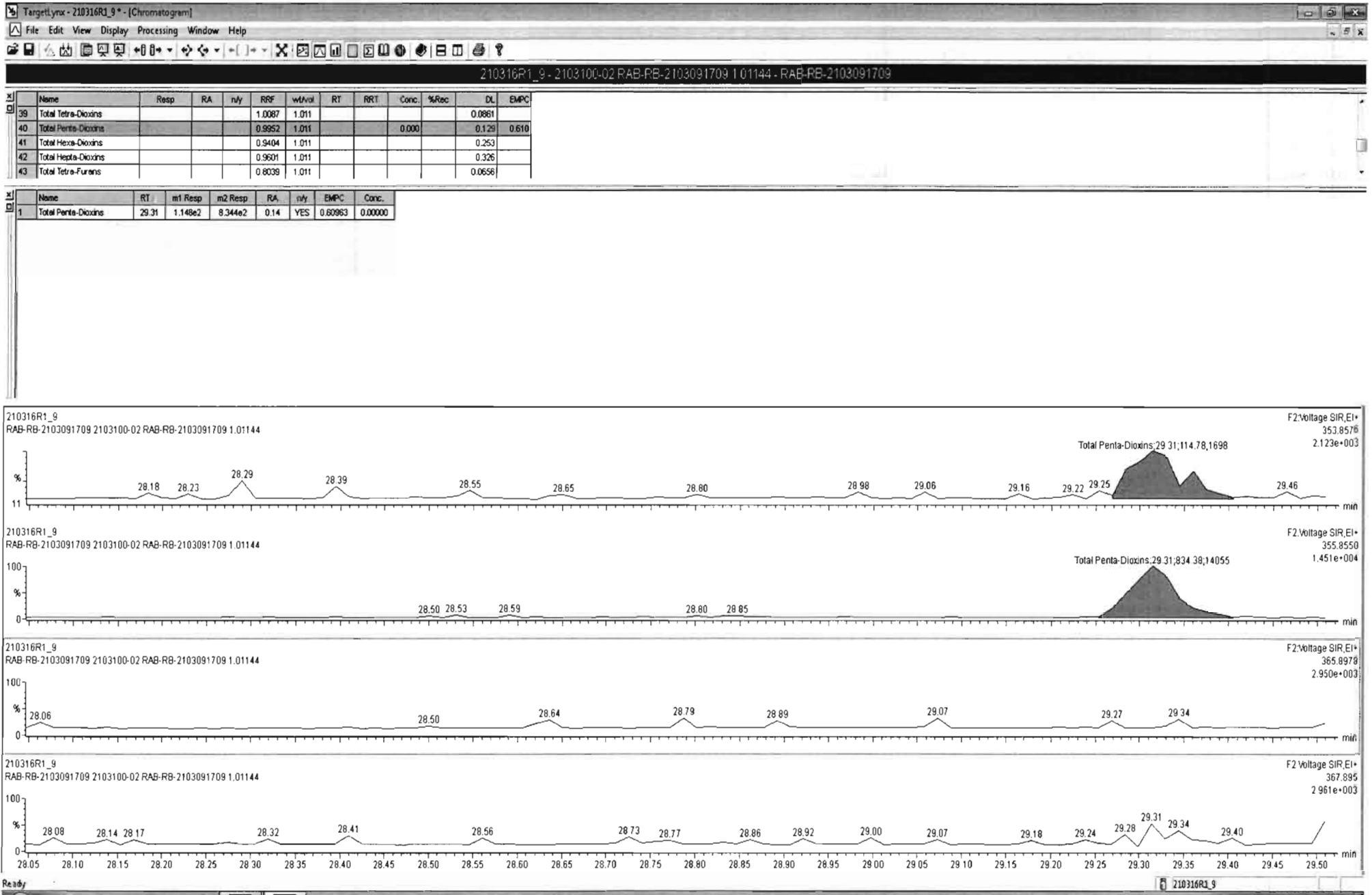
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210316R1_9



210316R1_9





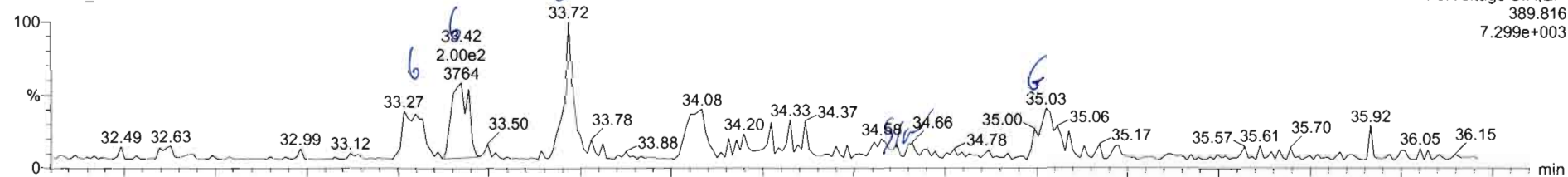
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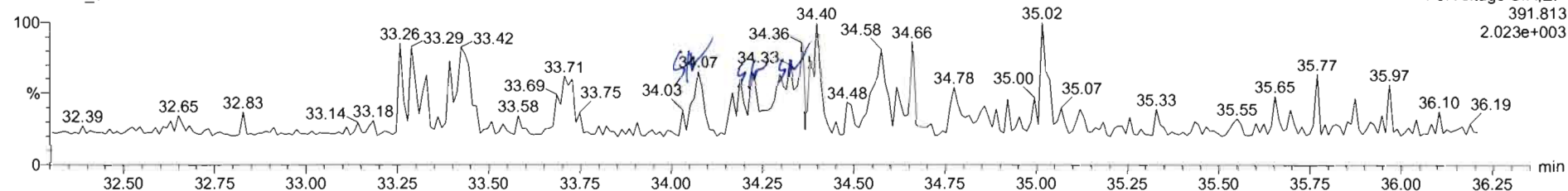
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1,2,3,4,7,8-HxCDD

210316R1_9

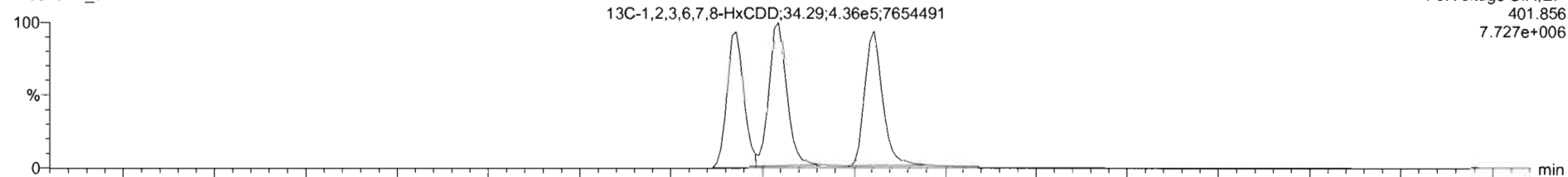


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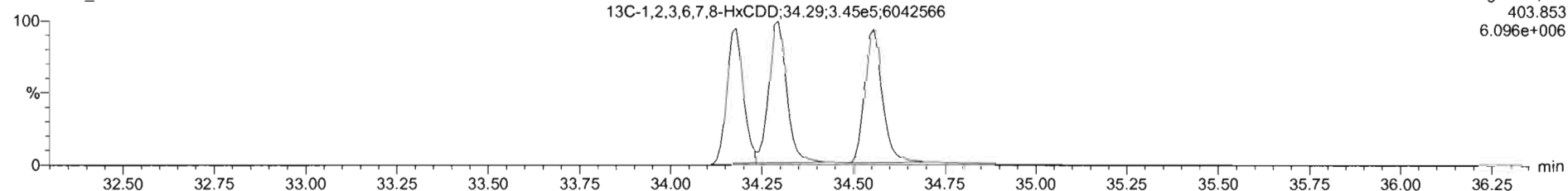


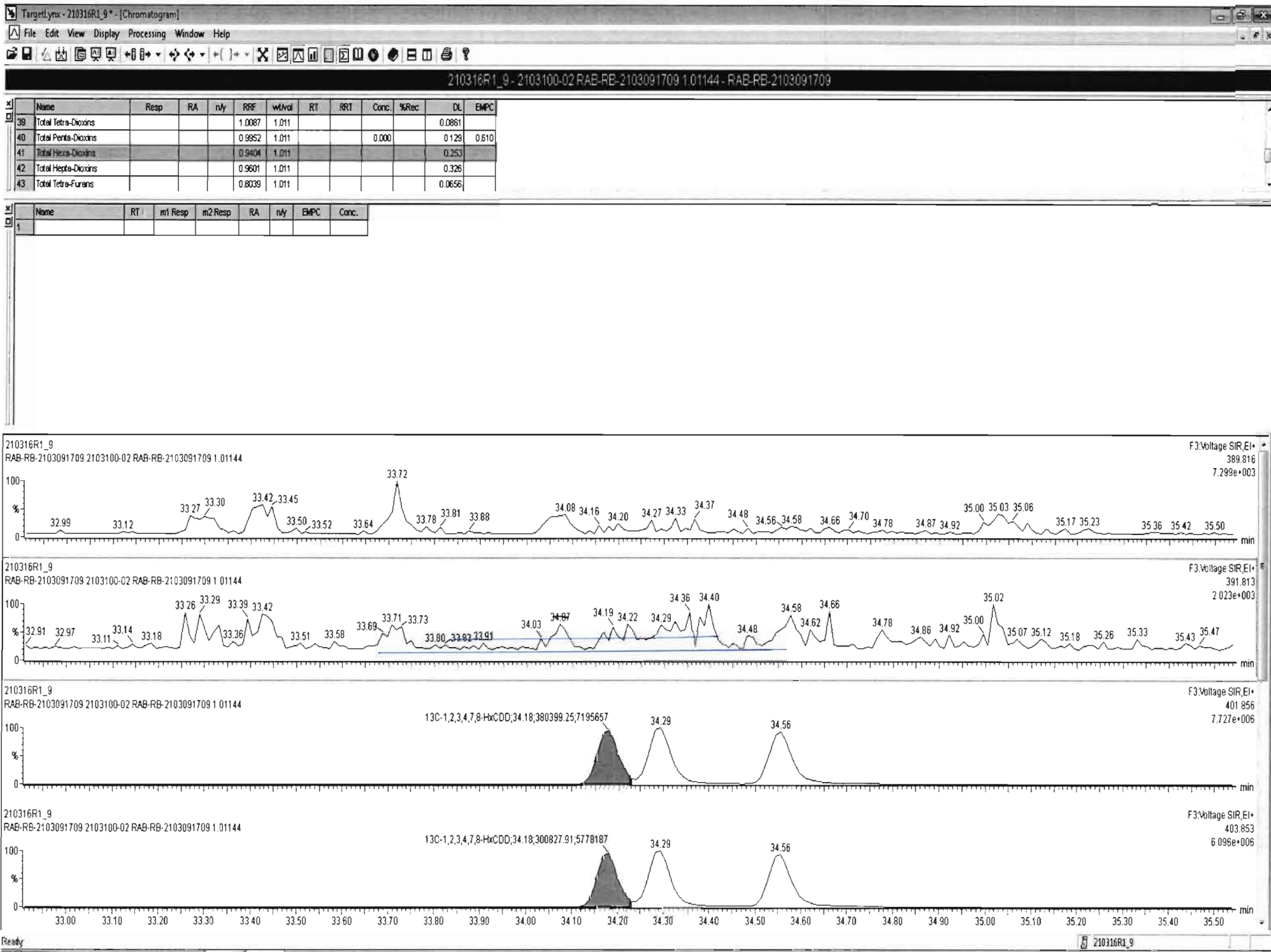
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210316R1_9



210316R1_9



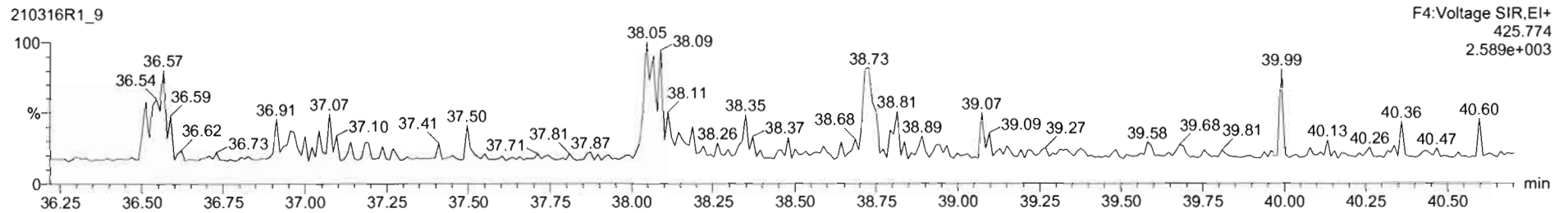
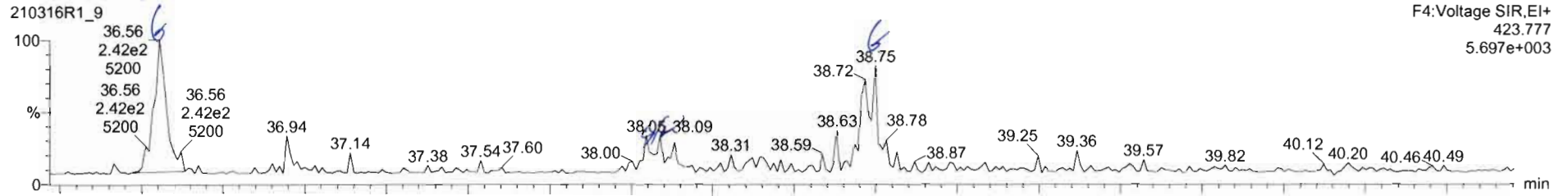


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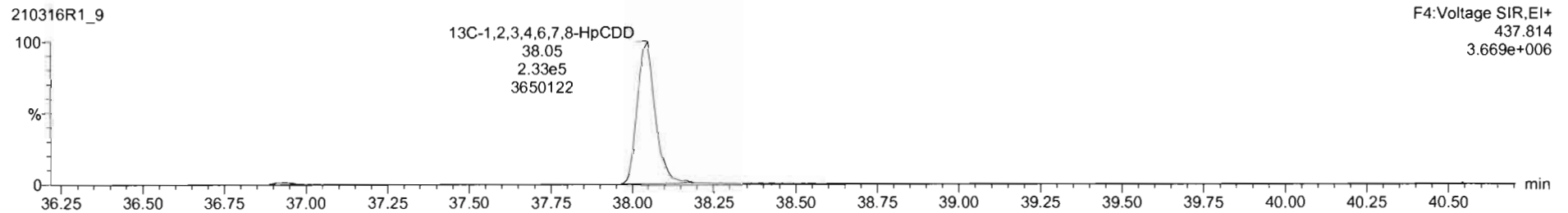
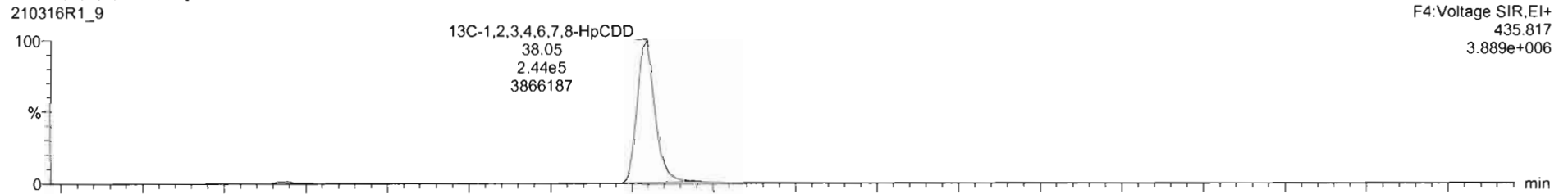
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Name: 210316R1_9, Date: 16-Mar-2021, Time: 18:09:45, ID: 2103100-02 RAB-RB-2103091709 1.01144, Description: RAB-RB-2103091709

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



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



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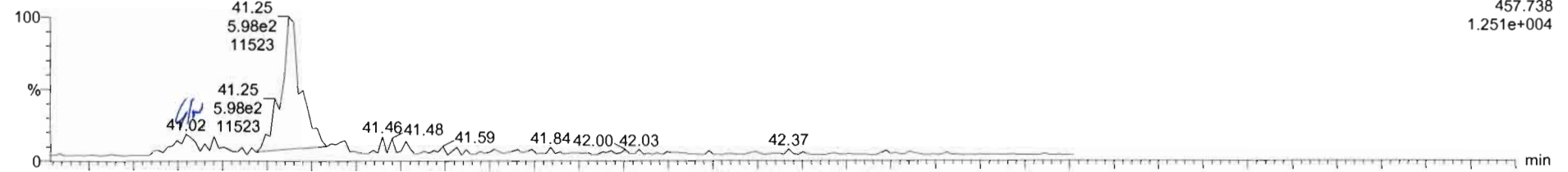
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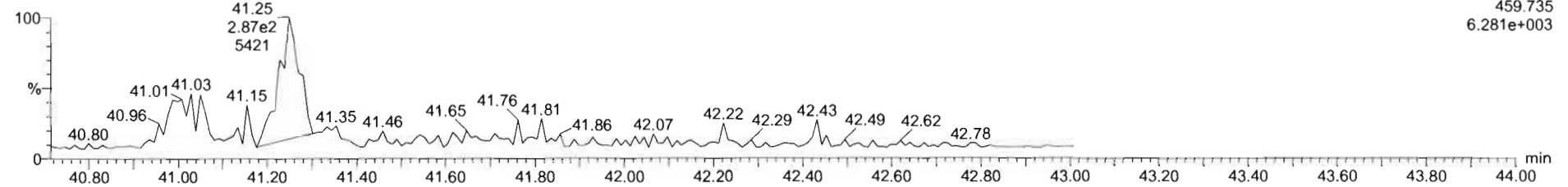
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OCDD

210316R1_9

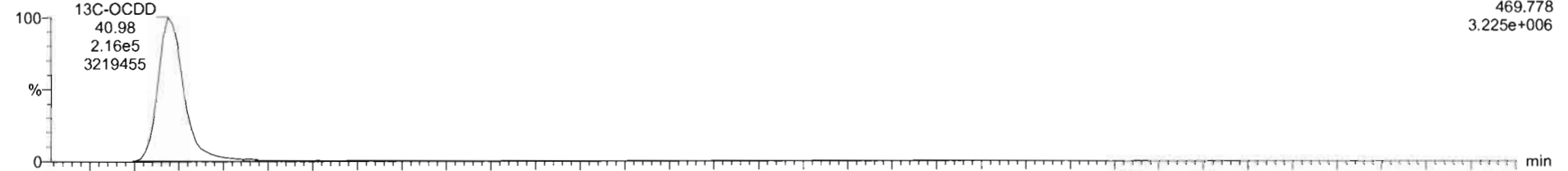


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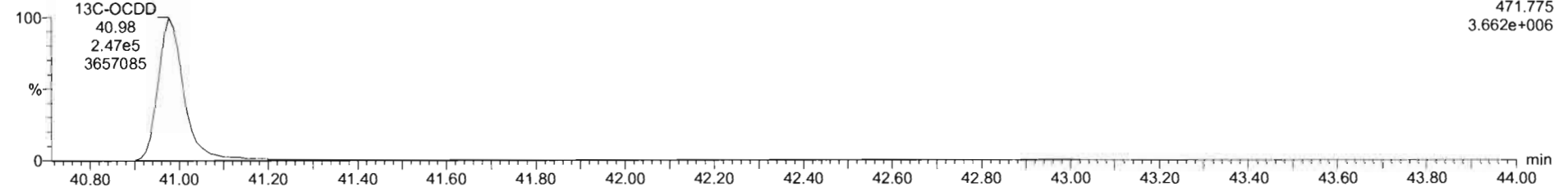


13C-OCDD

210316R1_9



210316R1_9

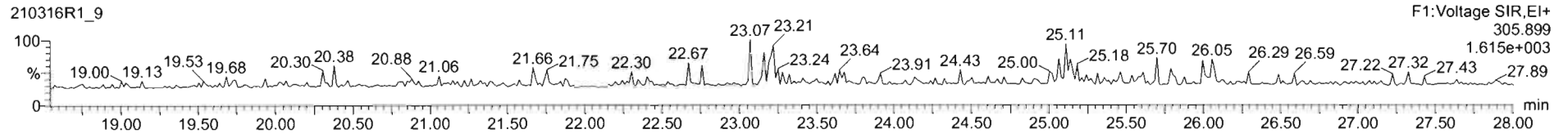
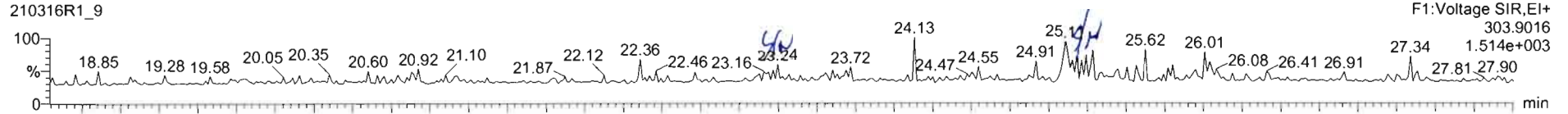


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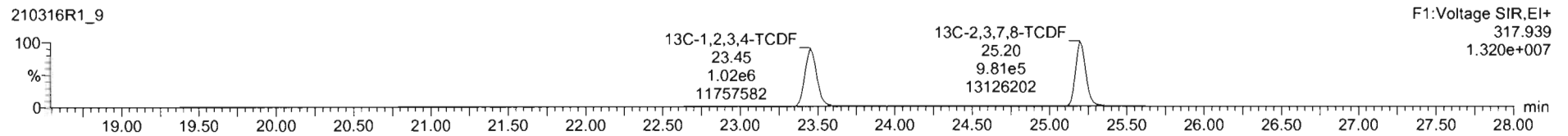
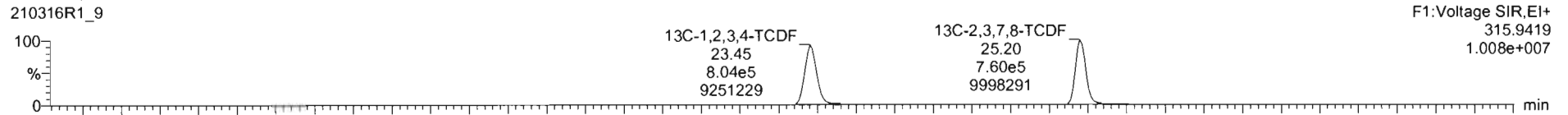
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Name: 210316R1_9, Date: 16-Mar-2021, Time: 18:09:45, ID: 2103100-02 RAB-RB-2103091709 1.01144, Description: RAB-RB-2103091709

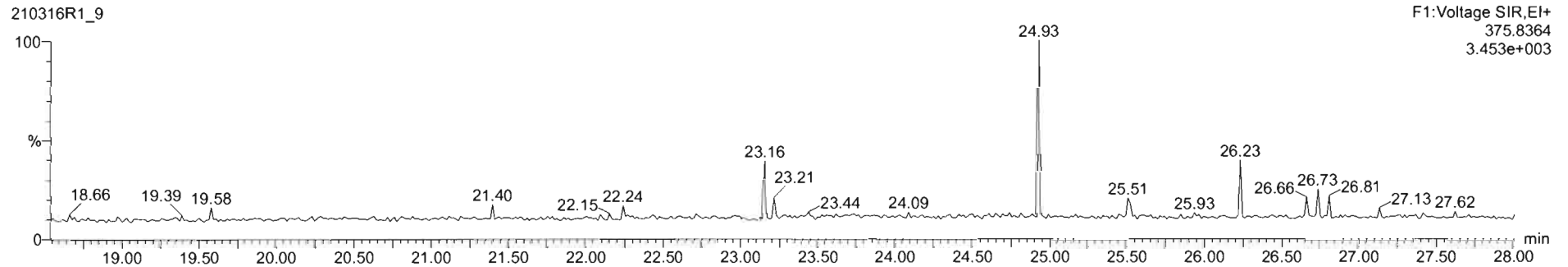
2,3,7,8-TCDF



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



DPE1



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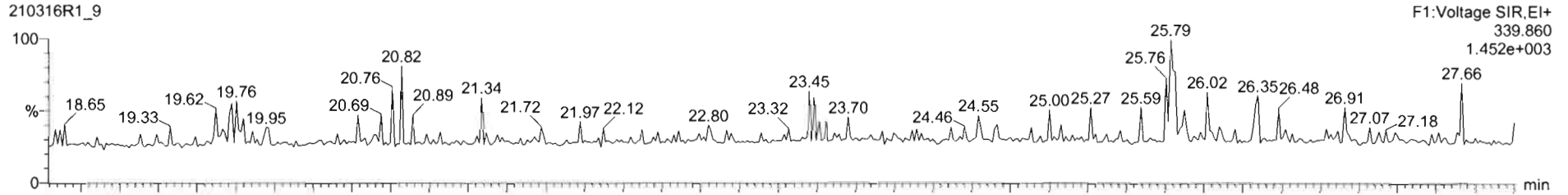
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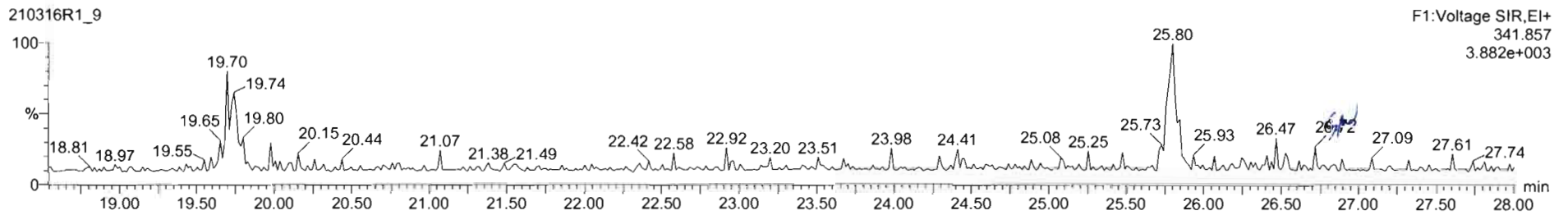
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1st Func. Penta-Furans

210316R1_9

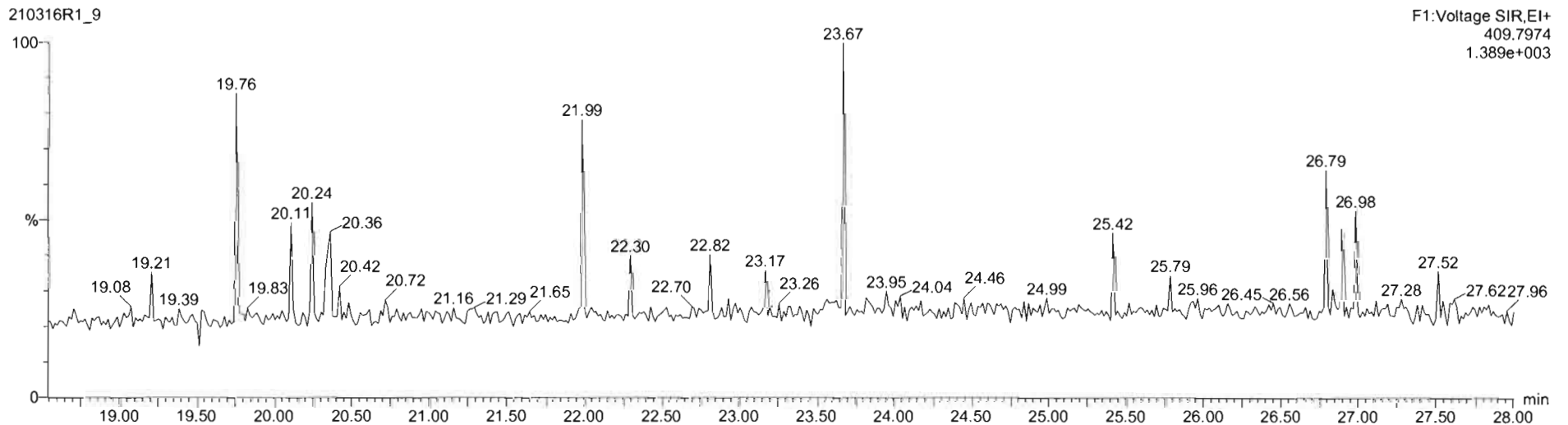


210316R1_9



DPE6

210316R1_9



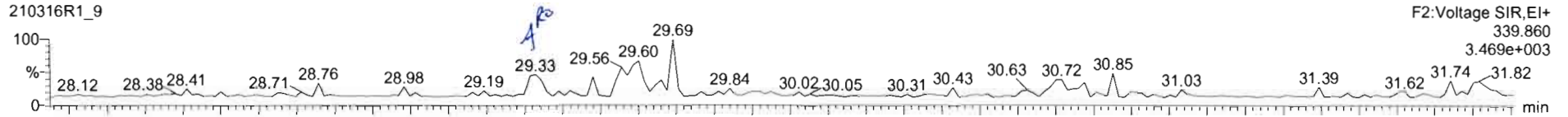
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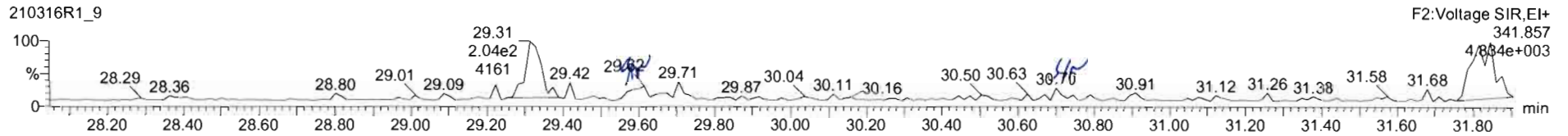
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1,2,3,7,8-PeCDF

210316R1_9

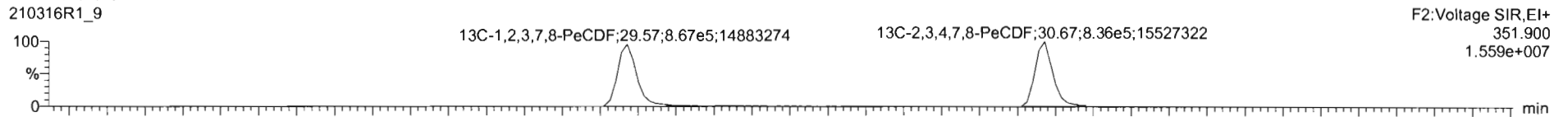


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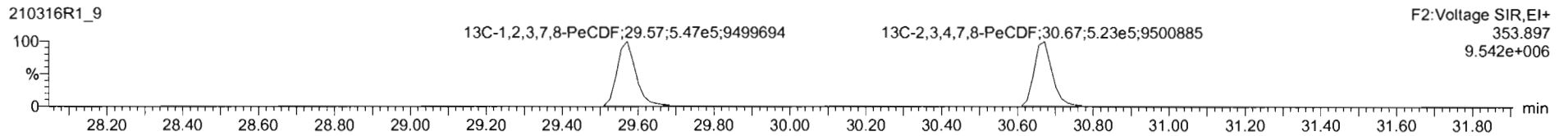


13C-1,2,3,7,8-PeCDF

210316R1_9

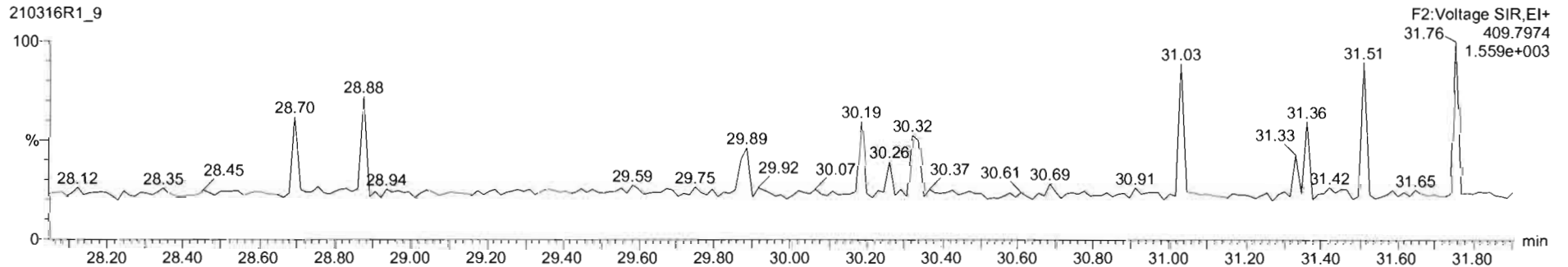


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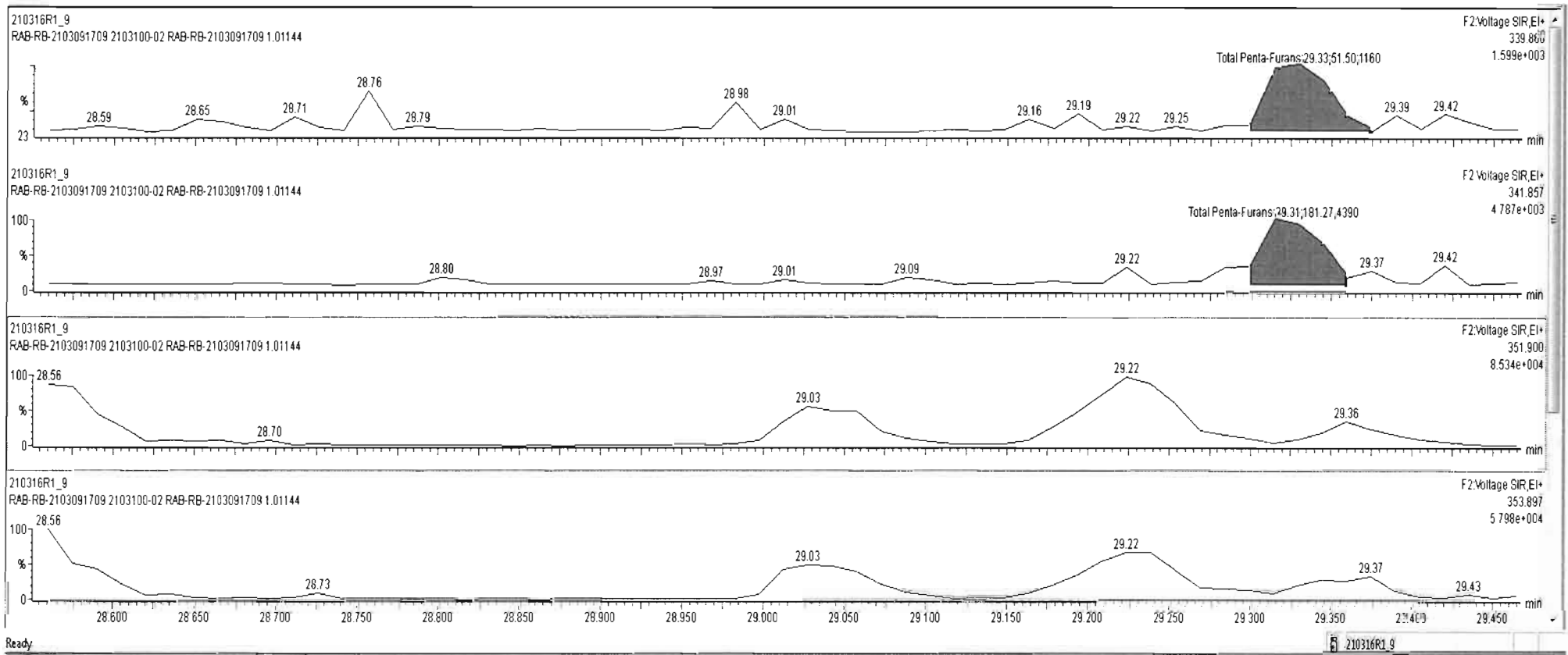
DPE2

210316R1_9



Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
43 Total Tetra-Furans				0.8038	1.011					0.0656	
44 1st Func. Penta-Furans				0.9945	1.011					0.0397	
45 Total Penta-Furans				0.9945	1.011			0.000		0.0858	0.121
46 Total Hexa-Furans				0.9527	1.011					0.156	
47 Total Hepta-Furans				0.9565	1.011					0.287	

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1 Total Penta-Furans	29.33	5.150e1	1.813e2	0.28	YES	0.12146	0.00000

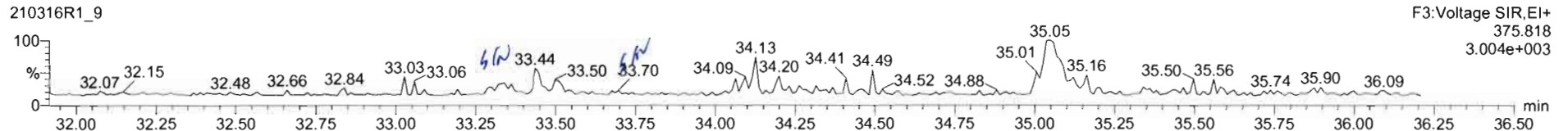
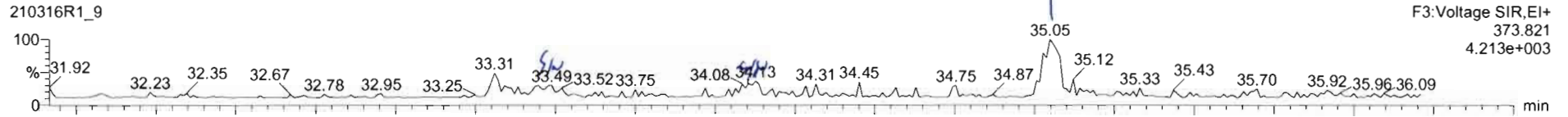


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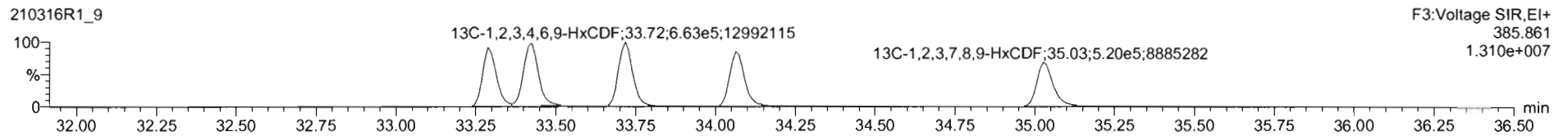
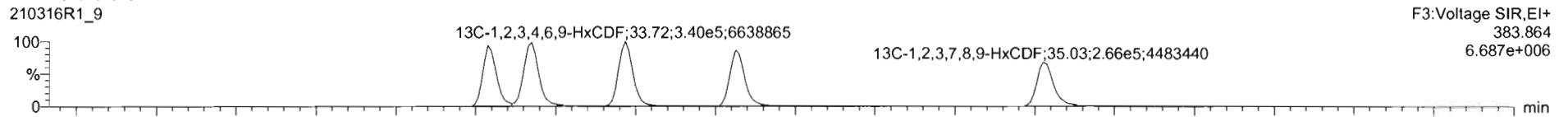
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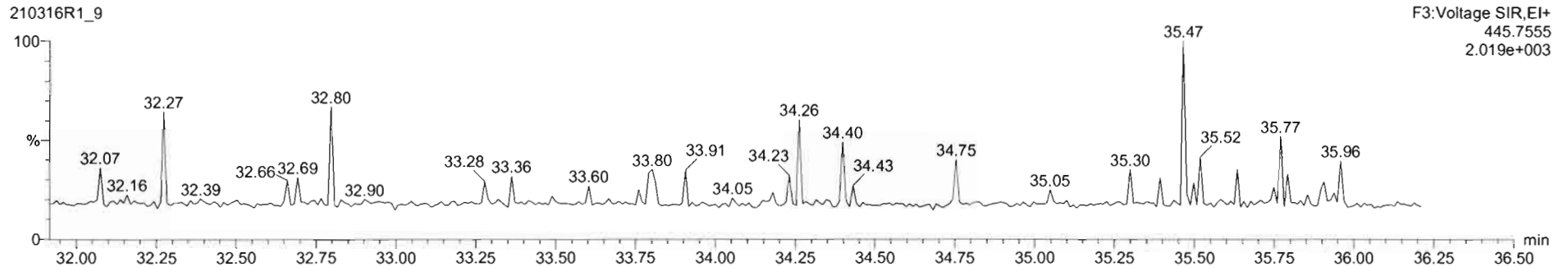
1,2,3,4,7,8-HxCDF

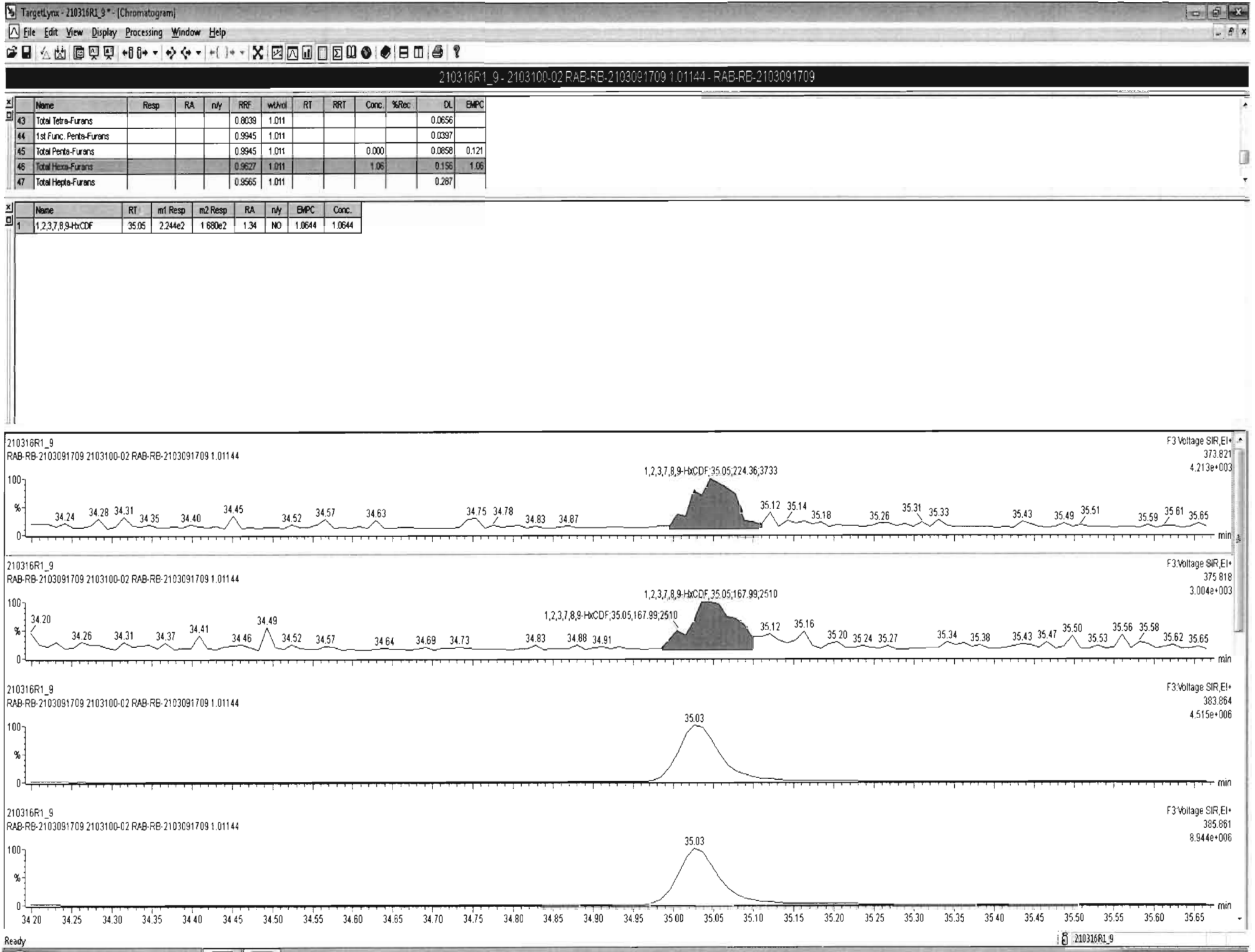


13C-1,2,3,4,7,8-HxCDF



DPE3



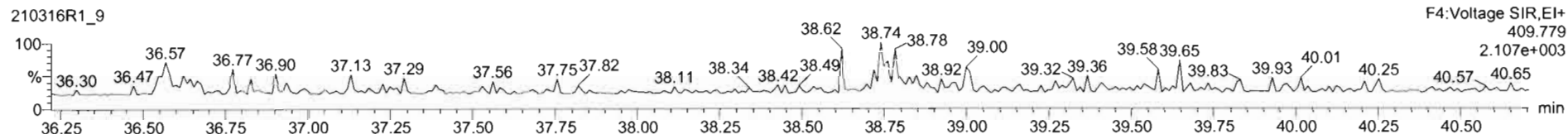
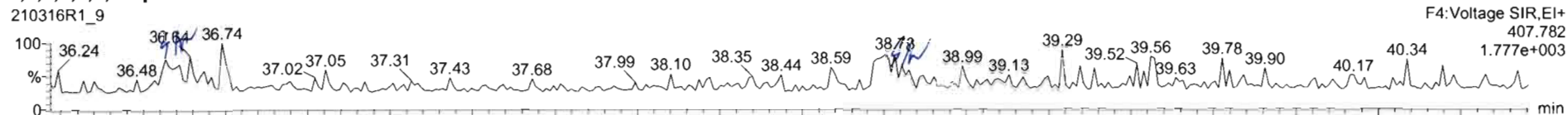


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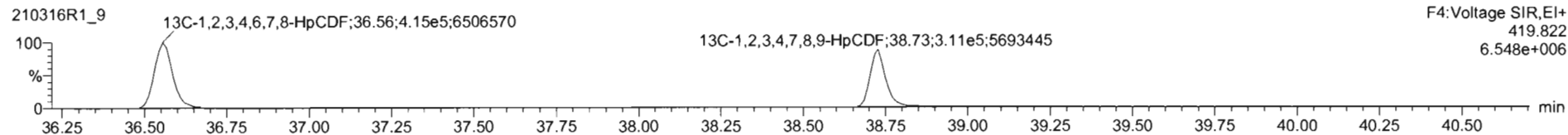
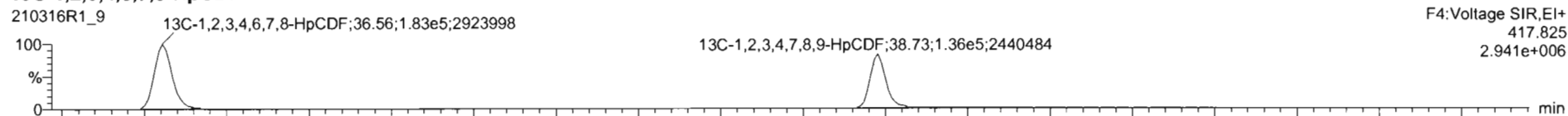
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Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

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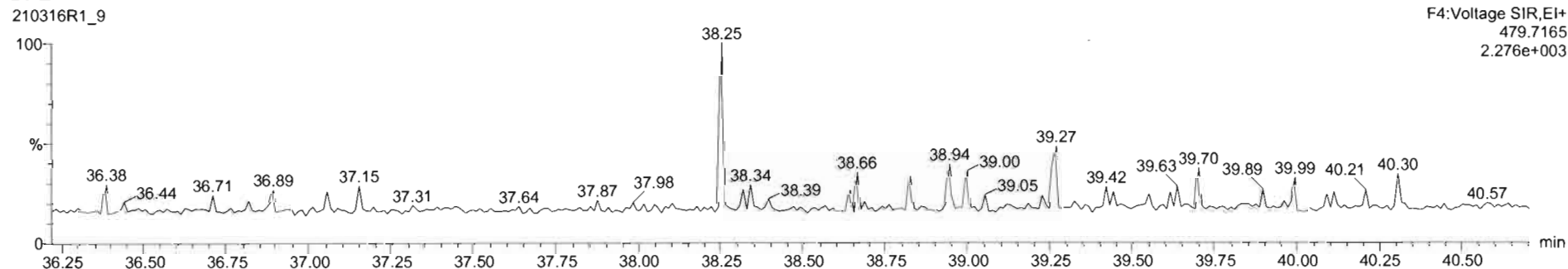
1,2,3,4,6,7,8-HpCDF



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



DPE4



Dataset: Untitled

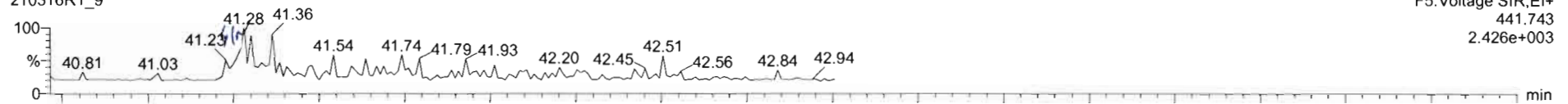
Last Altered: Wednesday, March 17, 2021 09:14:48 Pacific Daylight Time

Printed: Wednesday, March 17, 2021 09:15:00 Pacific Daylight Time

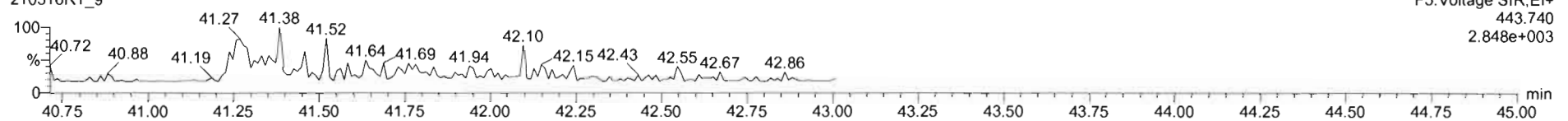
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OCDF

210316R1_9

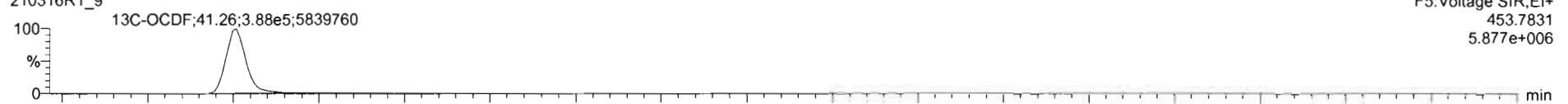


210316R1_9

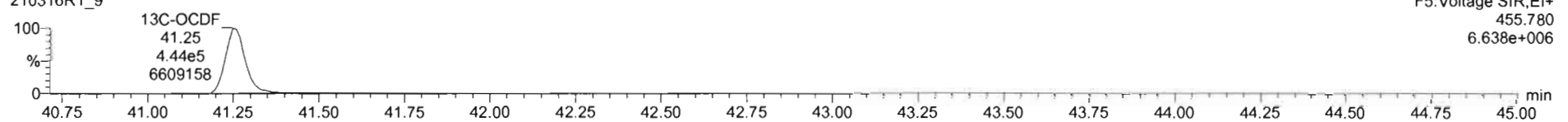


13C-OCDF

210316R1_9

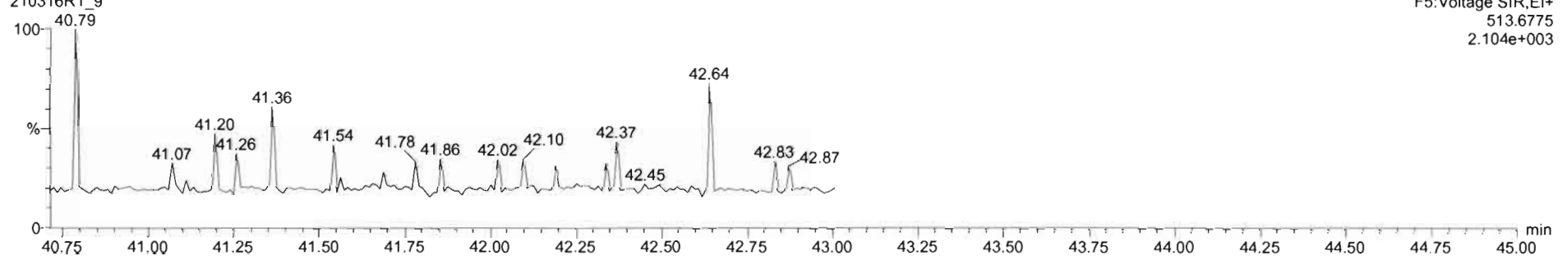


210316R1_9



DPE5

210316R1_9



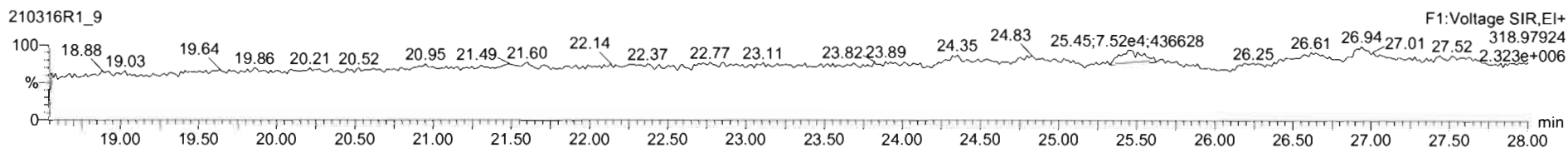
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Last Altered: Wednesday, March 17, 2021 09:14:48 Pacific Daylight Time

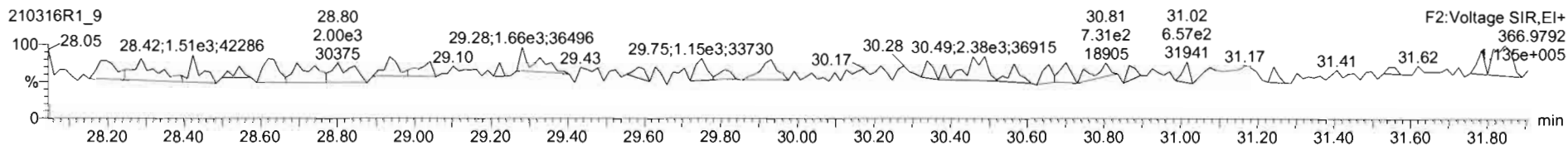
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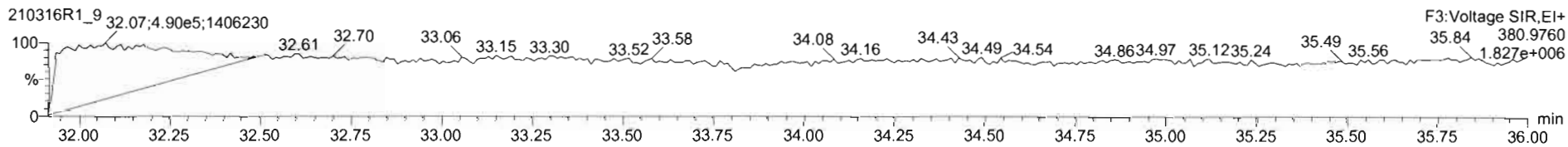
PFK1



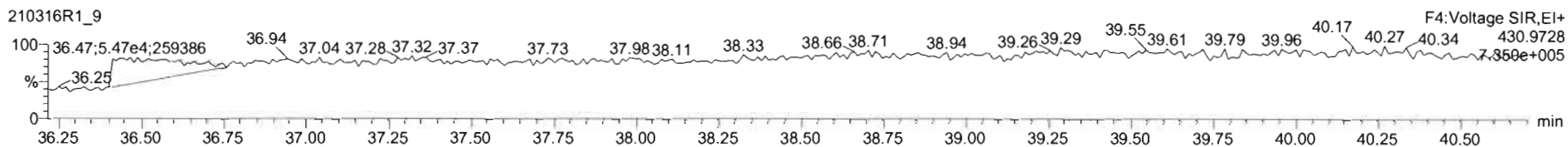
PFK2



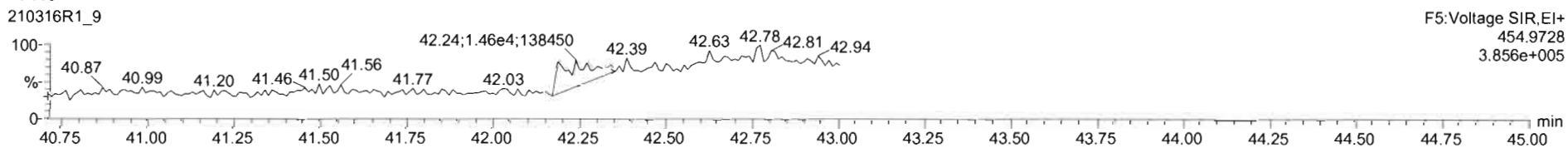
PFK3



PFK4



PFK5



SAMPLE DATA – EPA METHOD 1699

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Wednesday, April 07, 2021 10:56:49 Pacific Daylight Time

Printed: Wednesday, April 07, 2021 10:57:33 Pacific Daylight Time

HIN 04/07/21

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

C7 04/07/2021

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	1.80e3	3.20e5	0.90	YES	0.945	1.000	21.43	21.42	1.001	1.001	NO	594		0.0913	5.05
2	3 Alpha-BHC		1.22e5		NO	0.781	1.000	21.97			1.002	YES			1.69	
3	4 Lindane (gamma-BHC)		9.25e4		NO	0.790	1.000	24.99			1.001	YES			2.63	
4	5 Beta-BHC		6.98e4		NO	0.925	1.000	27.16			1.000	YES			2.83	
5	6 Delta-BHC		8.35e4		NO	0.863	1.000	28.96			1.001	YES			2.11	
6	7 Heptachlor		4.51e4		NO	1.07	1.000	27.28			1.001	YES			1.19	
7	9 Aldrin		6.78e4		NO	1.09	1.000	29.51			1.001	YES			0.898	
8	10 Oxychlorane		2.05e4		NO	1.08	1.000	32.25			1.001	YES			2.75	
9	11 cis-Heptachlor Epoxide		2.71e4		NO	1.09	1.000	33.06			1.001	YES			1.92	
10	12 trans-Heptachlor Epox...		2.71e4		NO	0.269	1.000	33.54			1.015	YES			7.81	
11	13 trans-Chlordane (gam...		1.95e4		NO	1.13	1.000	34.00			1.001	YES			2.46	
12	14 trans-Nonachlor		2.14e4		NO	1.04	1.000	34.22			1.001	YES			2.28	
13	15 cis-Chlordane		2.14e4		NO	1.14	1.000	34.69			1.015	YES			2.09	
14	16 Endosulfan I (alpha)		1.55e4		NO	1.12	1.000	34.79			1.001	YES			3.08	
15	18 2,4'-DDE		5.56e5		NO	1.01	1.000	34.70			1.000	YES			1.10	
16	19 4,4'-DDE		3.94e5		NO	1.01	1.000	35.83			1.000	NO			1.47	
17	20 Dieldrin		4.43e4		NO	1.00	1.000	36.29			1.000	YES			1.24	
18	21 Endrin		3.17e4		NO	0.977	1.000	37.69			1.000	YES			1.72	
19	22 cis-Nonachlor		2.32e4		NO	1.01	1.000	38.02			1.000	YES			2.39	
20	23 Endosulfan II (beta)		6.82e3		NO	1.01	1.000	38.73			1.000	YES			7.23	
21	24 2,4'-DDD		4.30e5		NO	0.779	1.000	36.97			1.000	YES			1.96	
22	25 2,4'-DDT		2.52e5		NO	0.751	1.000	38.13			1.000	YES			3.45	
23	26 4,4'-DDD		3.57e5		NO	0.843	1.000	38.28			1.000	YES			2.22	
24	27 4,4'-DDT		2.12e5		NO	0.841	1.000	39.34			1.000	YES			3.47	
25	28 Endosulfan Sulfate		1.02e4		NO	1.05	1.000	40.50			1.000	YES			8.28	
26	29 4,4'-Methoxychlor		2.48e6		NO	0.993	1.000	42.38			1.000	YES			2.55	
27	30 Mirex		1.01e5		NO	0.979	1.000	42.82			1.000	YES			1.69	
28	31 Endrin Aldehyde		8.08e4		NO	0.972	1.000	39.91			1.000	YES			12.0	
29	32 Endrin Ketone		1.84e5		NO	0.855	1.000	42.96			1.000	YES			5.25	
30	34 13C6-Hexachlorobenz...	3.20e5	8.11e5	1.27	NO	0.664	1.000	21.41	21.41	0.873	0.873	NO	594	59.4	0.0773	
31	35 13C6-Alpha-BHC	1.22e5	8.11e5	0.77	NO	0.223	1.000	21.91	21.93	0.894	0.894	NO	674	67.4	2.20	

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Wednesday, April 07, 2021 10:56:49 Pacific Daylight Time

Printed: Wednesday, April 07, 2021 10:57:33 Pacific Daylight Time

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

	# Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (gamma)	9.25e4	8.11e5	0.75	NO	0.168	1.000	24.97	24.97	1.018	1.018	NO	678	67.8	2.92	
33	37 13C6-Beta-BHC	6.98e4	8.11e5	0.75	NO	0.129	1.000	27.13	27.15	1.108	1.107	NO	666	66.6	3.81	
34	38 13C6-Delta-BHC	8.35e4	8.11e5	0.74	NO	0.151	1.000	28.91	28.94	1.180	1.179	NO	683	68.3	3.26	
35	39 13C10-Heptachlor	4.51e4	8.11e5	1.22	NO	0.0852	1.000	27.24	27.25	1.111	1.111	NO	652	65.2	2.10	
36	40 13C12-Aldrin	6.78e4	8.11e5	1.70	NO	0.135	1.000	29.47	29.48	1.203	1.202	NO	618	61.8	2.02	
37	41 13C10-Oxychlorane	2.05e4	8.11e5	1.73	NO	0.0343	1.000	32.19	32.23	1.314	1.313	NO	738	73.8	7.96	
38	42 13C10-cis-Heptachlor ...	2.71e4	8.11e5	1.75	NO	0.0445	1.000	33.00	33.04	1.348	1.346	NO	751	75.1	6.13	
39	43 13C10-trans-Chlordan...	1.95e4	8.11e5	1.75	NO	0.0305	1.000	33.94	33.98	1.386	1.385	NO	788	78.8	8.93	
40	44 13C10-trans-Nonachlor	2.14e4	8.11e5	1.63	NO	0.0356	1.000	34.15	34.20	1.395	1.393	NO	741	74.1	7.66	
41	45 13C9-Endosulfan I (al...	1.55e4	8.11e5	1.64	NO	0.0263	1.000	34.73	34.76	1.418	1.417	NO	728	72.8	10.4	
42	46 13C12-2,4'-DDE	5.56e5	8.11e5	1.59	NO	0.875	1.000	34.71	34.69	0.996	0.996	NO	784	78.4	2.07	
43	47 13C12-4,4'-DDE	3.94e5	8.11e5	1.58	NO	0.637	1.000	35.82	35.82	1.028	1.028	NO	762	76.2	2.84	
44	48 13C12-Dieldrin	4.43e4	8.11e5	1.66	NO	0.0741	1.000	36.27	36.27	1.041	1.041	NO	737	73.7	5.01	
45	49 13C12-Endrin	3.17e4	8.11e5	1.49	NO	0.0648	1.000	37.69	37.69	1.082	1.082	NO	603	60.3	5.73	
46	50 13C10-cis-Nonachlor	2.32e4	8.11e5	1.55	NO	0.0408	1.000	38.01	38.00	1.091	1.091	NO	701	70.1	9.10	
47	51 13C9-Endosulfan II	6.82e3	8.11e5	1.84	NO	0.0130	1.000	38.73	38.73	1.112	1.112	NO	646	64.6	28.5	
48	52 13C12-2,4'-DDD	4.30e5	8.11e5	1.58	NO	0.687	1.000	36.92	36.97	1.508	1.506	NO	772	77.2	2.84	
49	53 13C12-2,4'-DDT	2.52e5	8.11e5	1.60	NO	0.383	1.000	38.06	38.11	1.554	1.552	NO	813	81.3	5.09	
50	54 13C12-4,4'-DDD	3.57e5	8.11e5	1.52	NO	0.592	1.000	38.19	38.26	1.560	1.558	NO	743	74.3	3.29	
51	55 13C12-4,4'-DDT	2.12e5	8.11e5	1.58	NO	0.281	1.000	39.28	39.33	1.604	1.602	NO	931	93.1	6.92	
52	56 13C9-Endosulfan Sulf...	1.02e4	8.11e5	1.68	NO	0.0163	1.000	40.49	40.50	1.163	1.162	NO	769	76.9	29.2	
53	57 13C12-Methoxychlor	2.48e6	8.11e5	20.97	NO	0.297	1.000	42.36	42.37	1.216	1.216	NO	10300	103	16.6	
54	58 13C10-Mirex	1.01e5	8.11e5	1.62	NO	0.177	1.000	42.80	42.80	1.229	1.229	NO	705	70.5	3.11	
55	59 13C12-Endrin Aldehyde	8.08e4	8.11e5	0.43	NO	0.0292	1.000	39.88	39.89	1.145	1.145	NO	3410	34.1	27.9	
56	60 13C12-Endrin Ketone	1.84e5	8.11e5	0.45	NO	0.0271	1.000	42.94	42.96	1.233	1.232	NO	8380	83.8	30.0	
57	62 13C-PCB-15	8.11e5	8.11e5	1.58	NO	1.00	1.000	24.55	24.52	1.000	1.000	NO	1000	100	0.512	

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

Printed: Thursday, April 01, 2021 15:50:45 Pacific Daylight Time

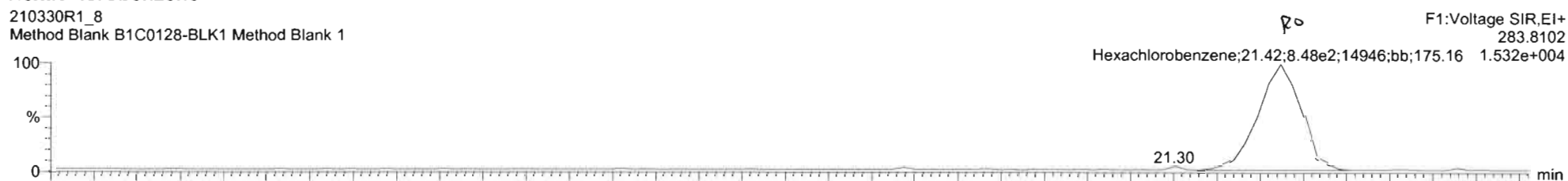
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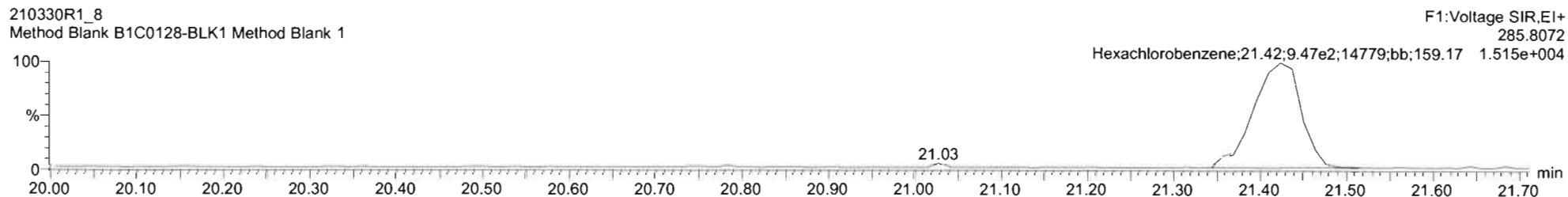
Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

Hexachlorobenzene

210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

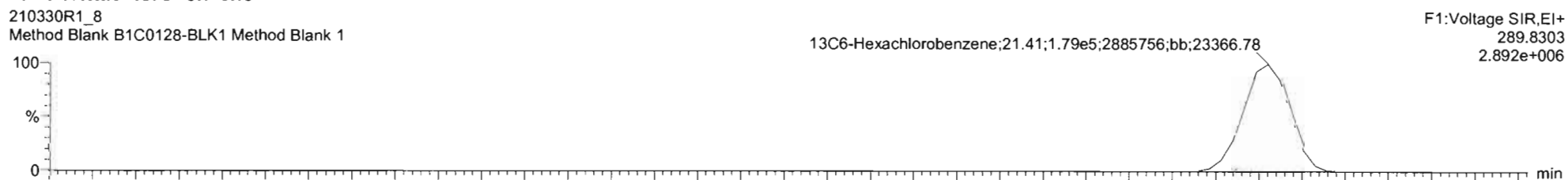


210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

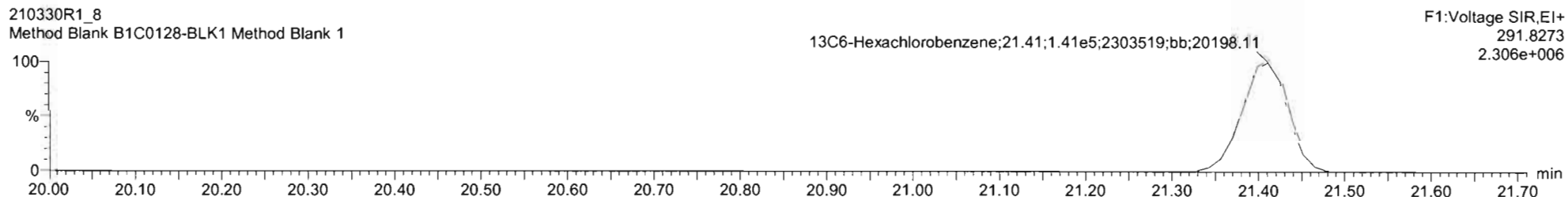


13C6-Hexachlorobenzene

210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

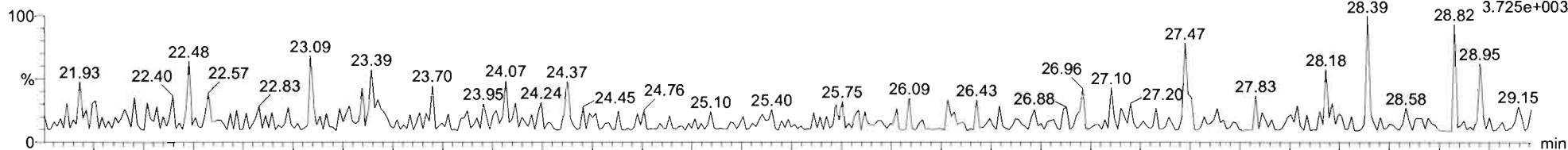
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Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

BHC Totals

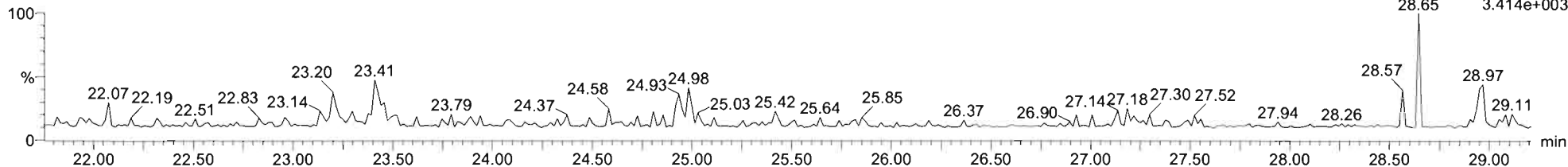
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F2:Voltage SIR,EI+
218.9116
3.725e+003



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

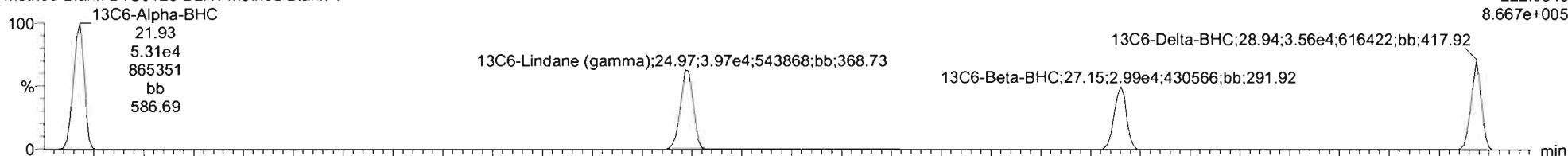
F2:Voltage SIR,EI+
220.9086
3.414e+003



BHC-isotopes

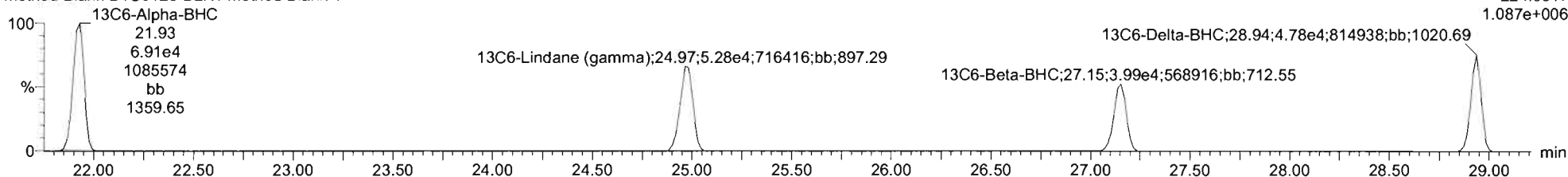
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F2:Voltage SIR,EI+
222.9346
8.667e+005



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F2:Voltage SIR,EI+
224.9317
1.087e+006



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

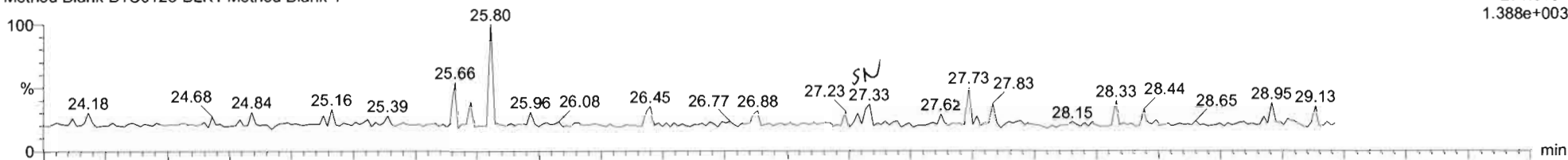
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Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

Heptachlor

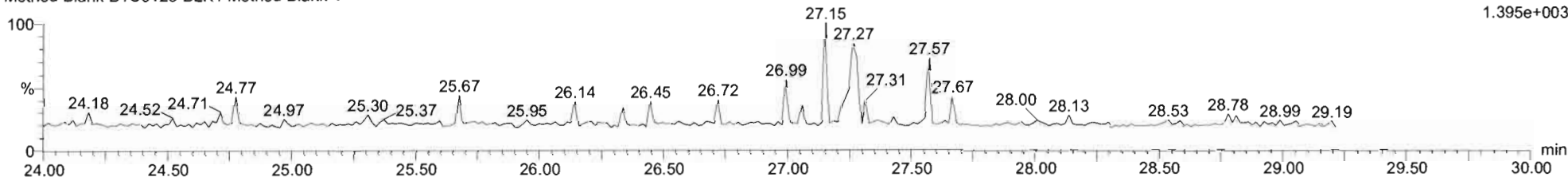
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F2:Voltage SIR,EI+
271.8102
1.388e+003



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

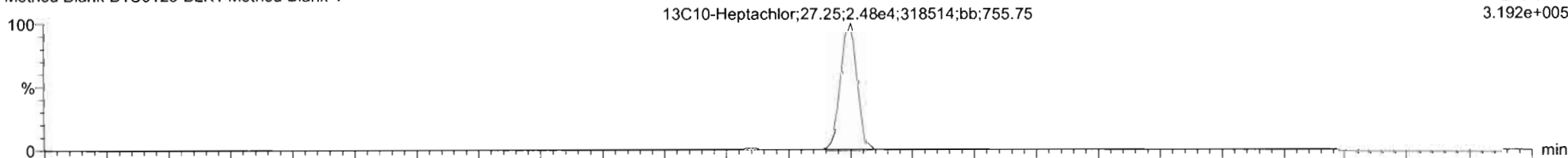
F2:Voltage SIR,EI+
273.8072
1.395e+003



13C10-Heptachlor

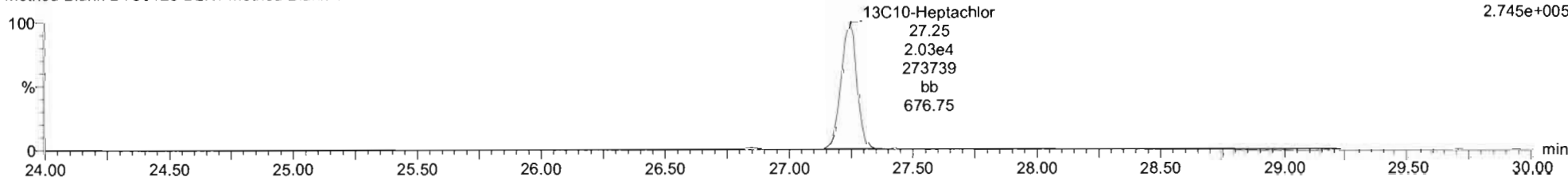
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F2:Voltage SIR,EI+
276.8269
3.192e+005



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F2:Voltage SIR,EI+
278.8240
2.745e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

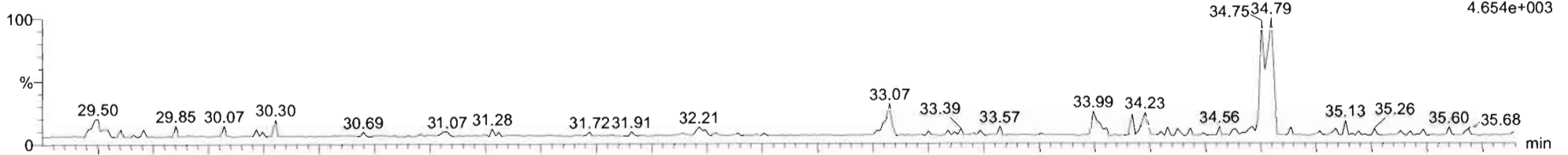
Printed: Thursday, April 01, 2021 15:50:45 Pacific Daylight Time

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

Aldrin-EI

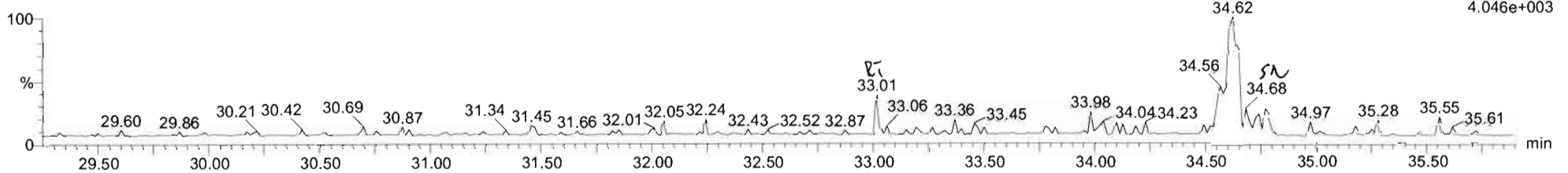
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F3:Voltage SIR,EI+
262.8569
4.654e+003



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

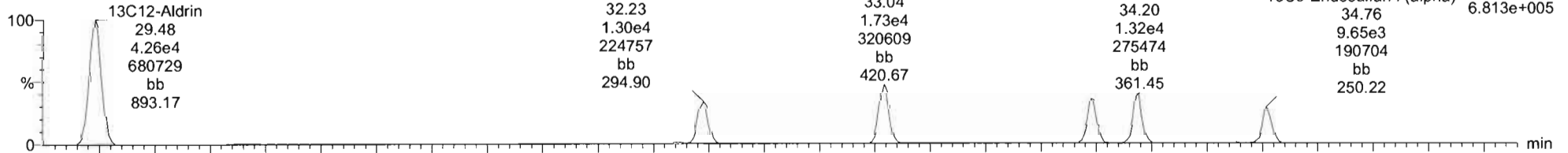
F3:Voltage SIR,EI+
264.8550
4.046e+003



Aldrin-EI-isotopes

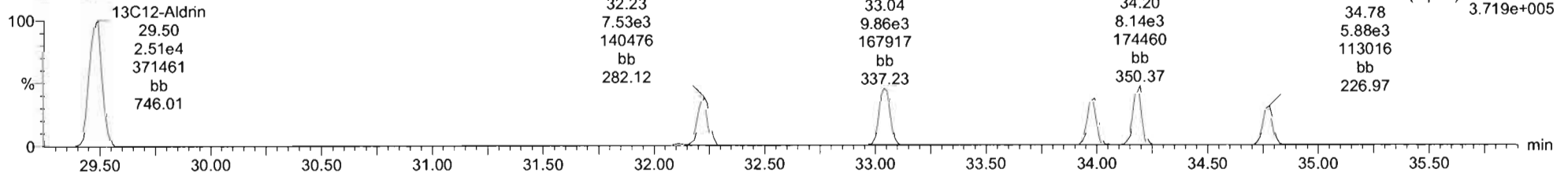
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F3:Voltage SIR,EI+
269.8804
6.813e+005

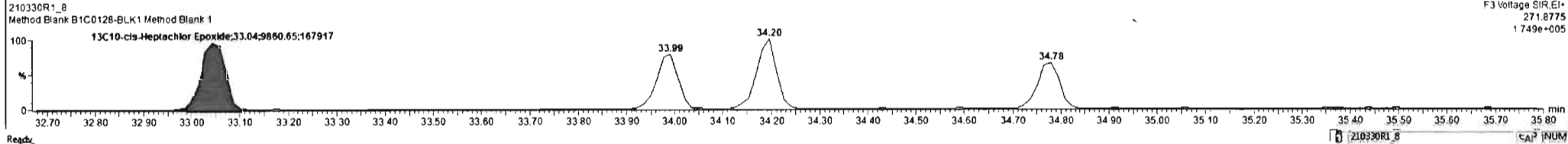
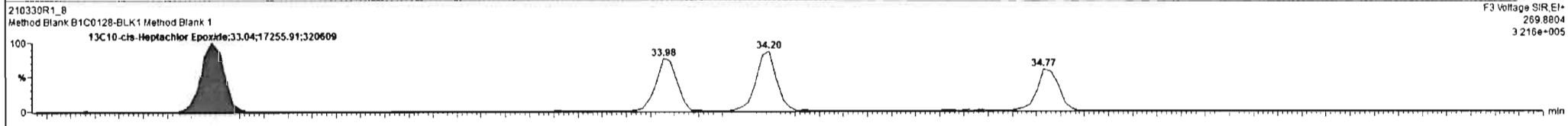
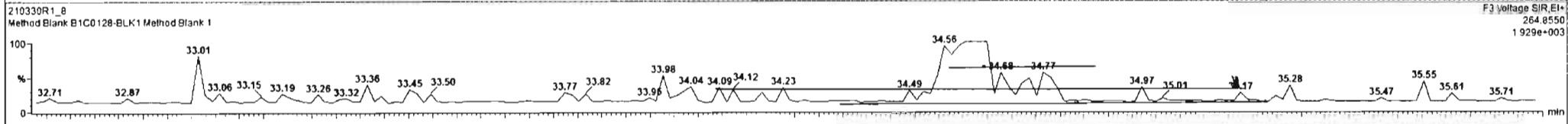
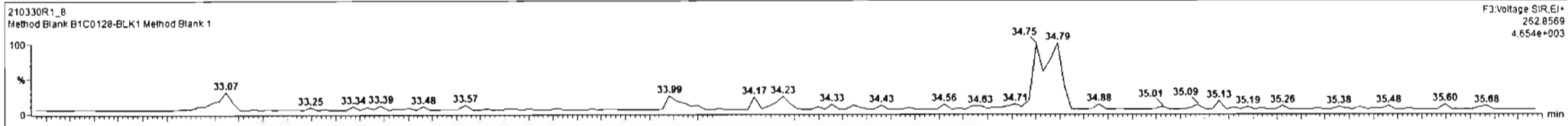


210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F3:Voltage SIR,EI+
271.8775
3.719e+005



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	4.66e3	3.57e5	33	0.29	YES	0.0873	1.000	9.53	9.55	1.001	1.000	NO	1490		3.36	610
2	Hexachlorobenzene	1.80e3	3.20e5	34	0.89	YES	0.9446	1.000	21.43	21.42	1.001	1.001	NO	5.94		0.0913	5.05
3	Alpha-BHC		1.22e5	35		NO	0.7811	1.000	21.97			1.002	YES				1.69
4	Lindane (gamma-BHC)		9.25e4	36		NO	0.7896	1.000	25.00			1.001	YES				2.63
5	Beta-BHC		6.98e4	37		NO	0.9247	1.000	27.16			1.000	YES				2.83
6	Delta-BHC		8.35e4	38		NO	0.8627	1.000	28.96			1.001	YES				2.11
7	Heptachlor		4.51e4	39		NO	1.0692	1.000	27.28			1.001	YES				1.19
8	4,4'-DONU		8.35e4	38		NO	1.1414	1.000	28.86			0.997	YES				3.63
9	Aldrin		6.78e4	40		NO	1.0884	1.000	29.51			1.001	YES				0.898
10	Oxychlorane		2.05e4	41		NO	1.0338	1.000	32.25			1.001	YES				2.75
11	cis-Heptachlor Epoxide		2.71e4	42		NO	1.0918	1.000	33.98			1.001	YES				1.92
12	trans-Heptachlor Epoxide		2.71e4	42		NO	0.2687	1.000	33.54			1.015	YES				7.81
13	trans-Chlordane (gamm...		1.95e4	43		NO	1.1262	1.000	34.00			1.001	YES				2.46
14	trans-Nonachlor		2.14e4	44		NO	1.0419	1.000	34.22			1.001	YES				2.28
15	cis-Chlordane		2.14e4	44		NO	1.1385	1.000	34.69			1.015	YES				2.09



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

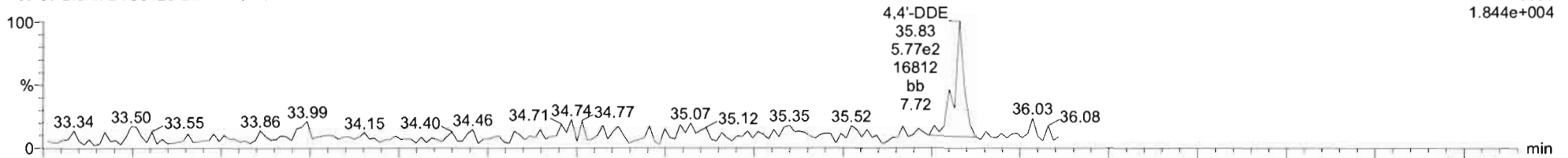
Printed: Thursday, April 01, 2021 15:50:45 Pacific Daylight Time

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

DDMU-DDE

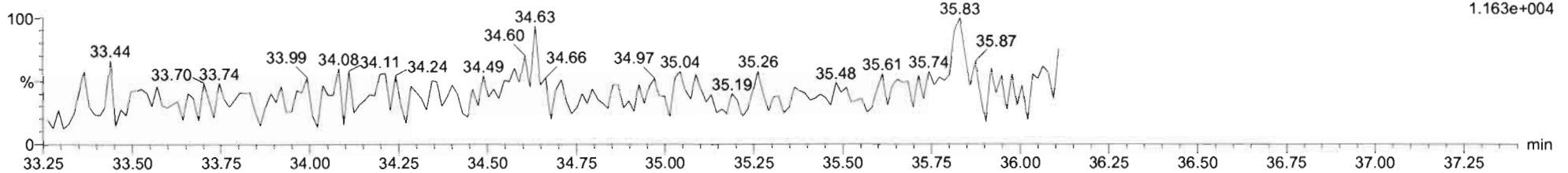
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F3:Voltage SIR,EI+
246.0003
1.844e+004



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

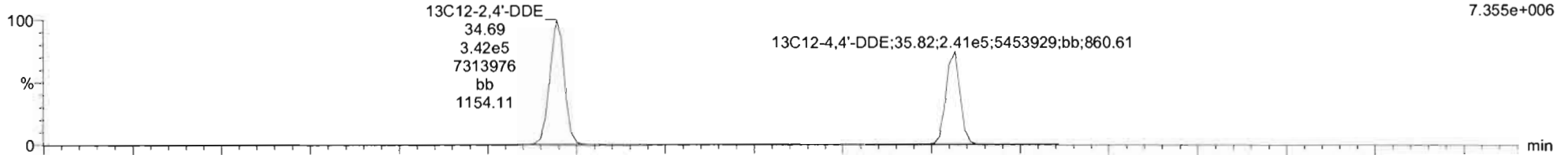
F3:Voltage SIR,EI+
247.9974
1.163e+004



DDE-isotopes

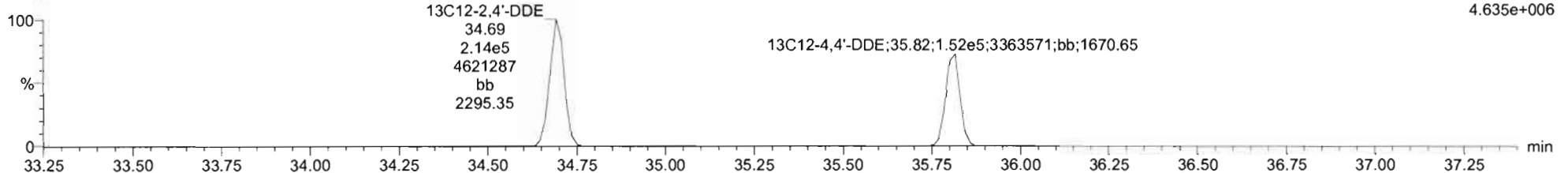
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F3:Voltage SIR,EI+
258.0406
7.355e+006

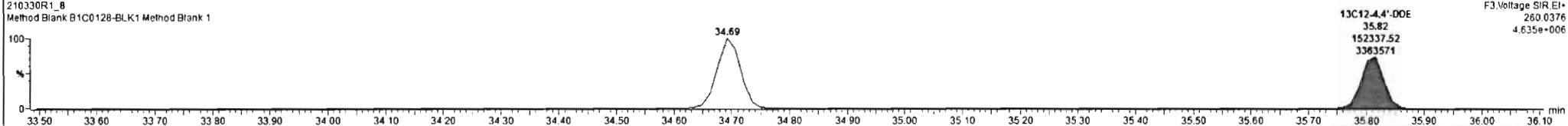
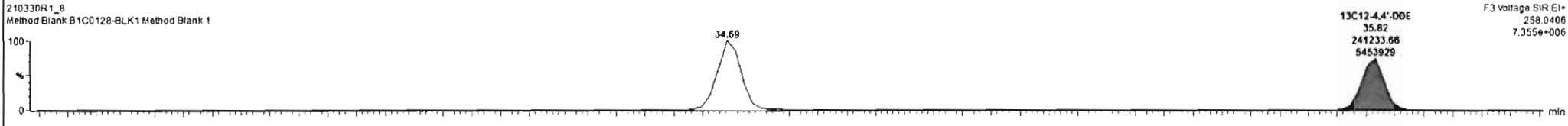
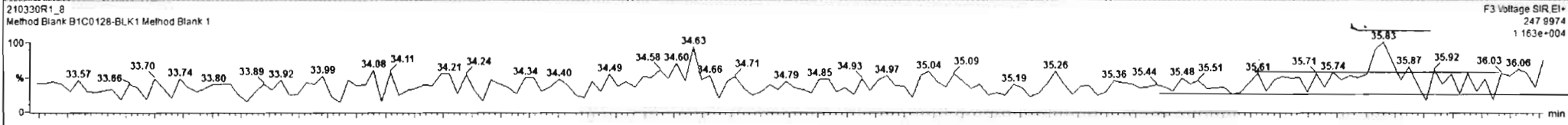
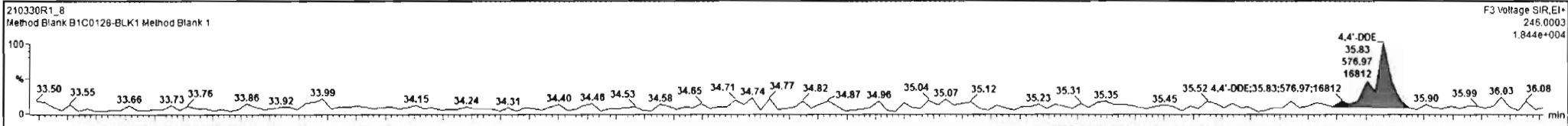


210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F3:Voltage SIR,EI+
260.0376
4.635e+006



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
17	4,4'-DDMU		5.56e5	46	NO		0.4187	1.000	34.49			0.994	YES			1.21	
18	2,4'-DDE		5.56e5	46	NO		1.0066	1.000	34.70			1.000	YES			1.10	
19	4,4'-DDE	5.77e2	3.94e5	47	NO		1.0094	1.000	35.83	35.83	1.000	1.000	NO	1.45		1.47	0.000
20	Dieldrin		4.43e4	48	NO		1.0010	1.000	36.29			1.000	YES			1.24	
21	Endrin		3.17e4	49	NO		0.9769	1.000	37.69			1.000	YES			1.72	
22	cis-Nonachlor		2.32e4	50	NO		1.0113	1.000	38.02			1.000	YES			2.39	
23	Endosulfan # (beta)		6.82e3	51	NO		1.0079	1.000	38.73			1.000	YES			7.23	
24	2,4'-DDD		4.30e5	52	NO		0.7794	1.000	36.97			1.000	YES			1.96	
25	2,4'-DDT		2.52e5	53	NO		0.7506	1.000	38.13			1.000	YES			3.45	
26	4,4'-DDD		3.57e5	54	NO		0.8433	1.000	38.28			1.000	YES			2.22	
27	4,4'-DDT		2.12e5	55	NO		0.8412	1.000	39.35			1.000	YES			3.47	
28	Endosulfan Sulfate		1.02e4	56	NO		1.0514	1.000	40.50			1.000	YES			8.28	
29	4,4'-Methoxychlor		2.48e6	57	NO		0.9927	1.000	42.38			1.000	YES			2.55	
30	Nirex		1.01e5	58	NO		0.9793	1.000	42.82			1.000	YES			1.69	
31	Endrin Aldehyde		1.08e5	59	NO		0.9721	1.000	39.91			1.000	YES			11.7	



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

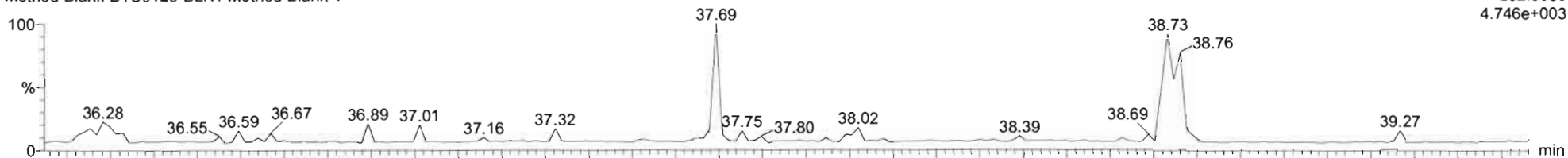
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Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

Dieldrin-EII

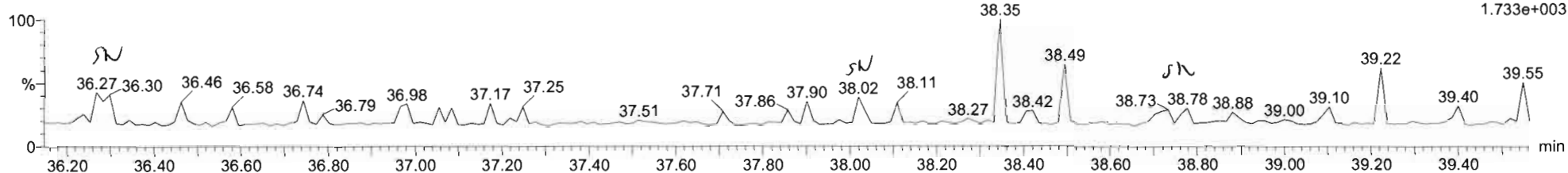
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F4:Voltage SIR,EI+
262.8569
4.746e+003



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

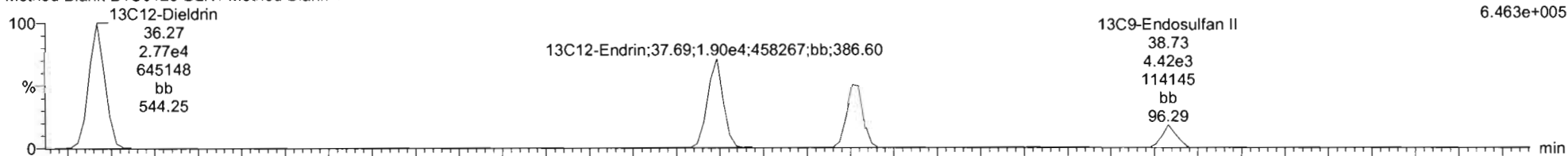
F4:Voltage SIR,EI+
264.8550
1.733e+003



Dieldrin-EII-isotopes

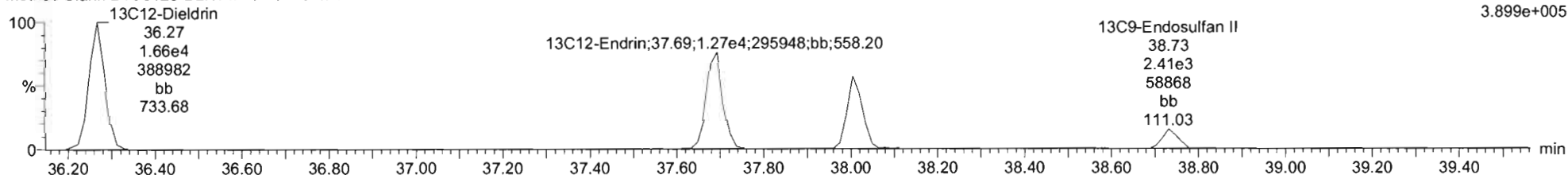
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F4:Voltage SIR,EI+
269.8804
6.463e+005



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F4:Voltage SIR,EI+
271.8775
3.899e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

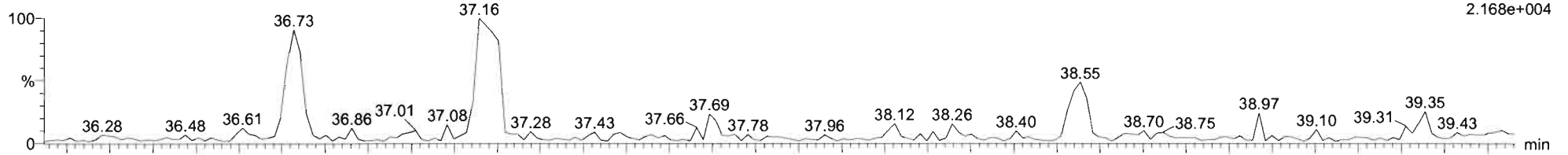
Printed: Thursday, April 01, 2021 15:50:45 Pacific Daylight Time

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

DDD-DDT

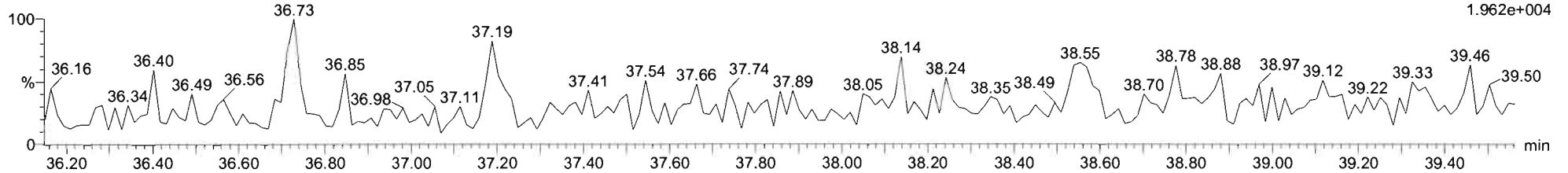
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F4:Voltage SIR,EI+
235.0081
2.168e+004



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

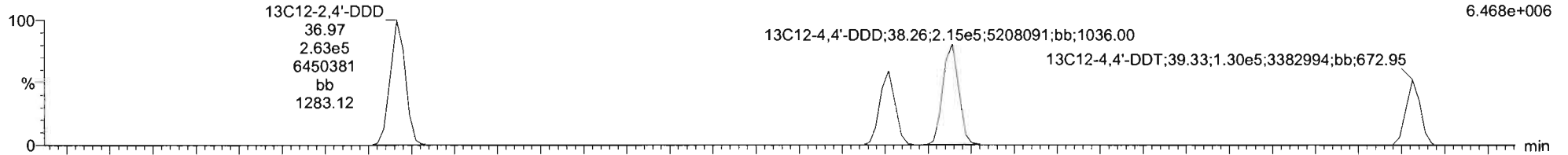
F4:Voltage SIR,EI+
237.0052
1.962e+004



DDD-DDT-isotopes

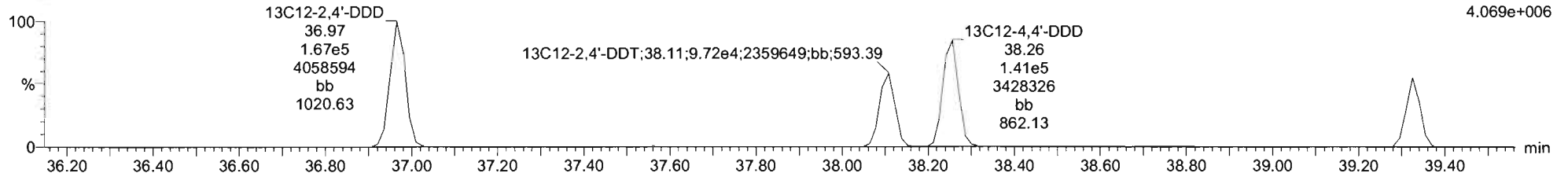
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F4:Voltage SIR,EI+
247.0484
6.468e+006



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F4:Voltage SIR,EI+
249.0454
4.069e+006



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

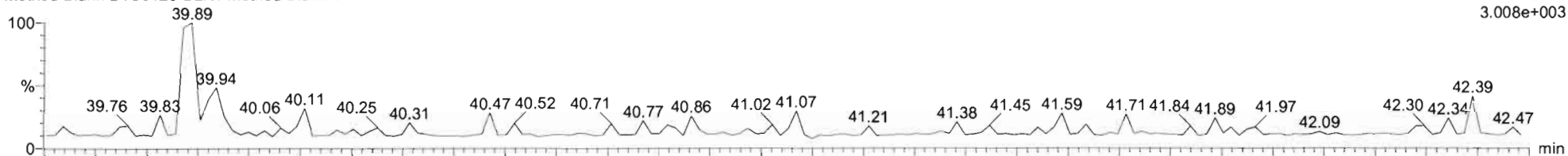
Printed: Thursday, April 01, 2021 15:50:45 Pacific Daylight Time

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

Endosulfan Sulfate

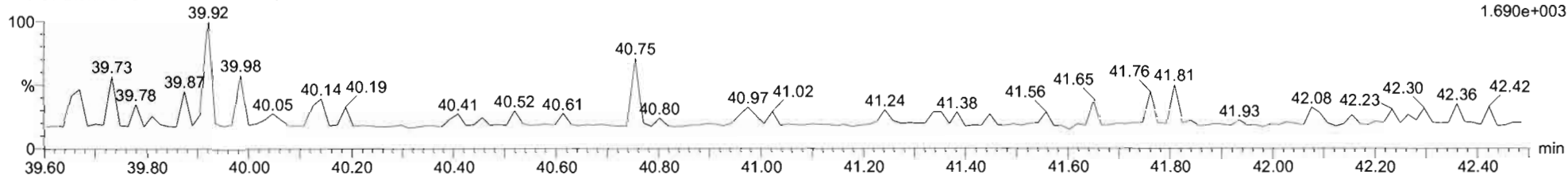
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
262.8569
3.008e+003



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

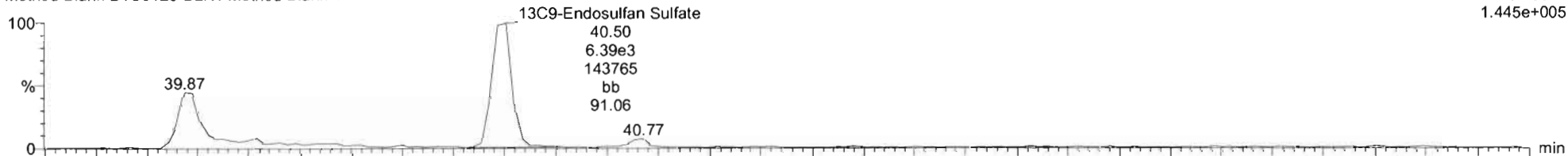
F5:Voltage SIR,EI+
264.8540
1.690e+003



13C9-Endosulfan Sulfate

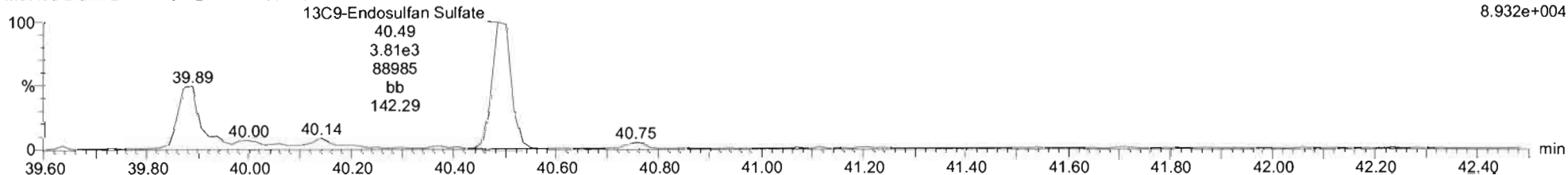
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
269.8804
1.445e+005



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
271.8775
8.932e+004



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

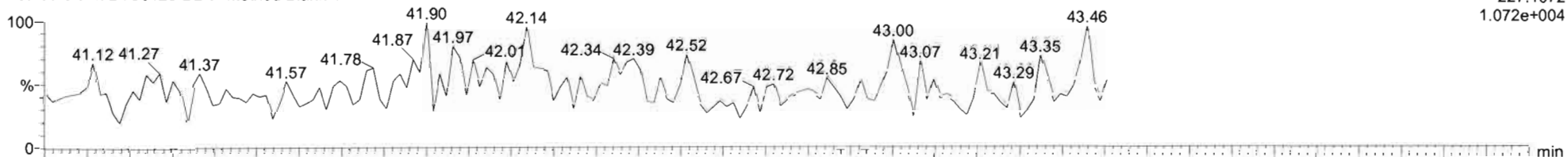
Printed: Thursday, April 01, 2021 15:50:45 Pacific Daylight Time

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

4,4'-Methoxychlor

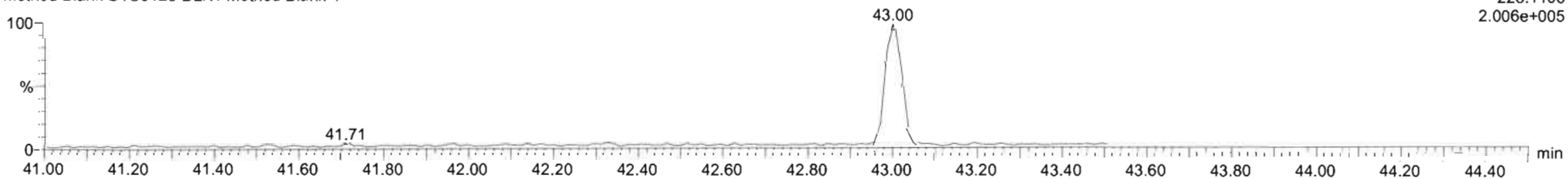
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
227.1072
1.072e+004



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
228.1106
2.006e+005



13C12-Methoxychlor

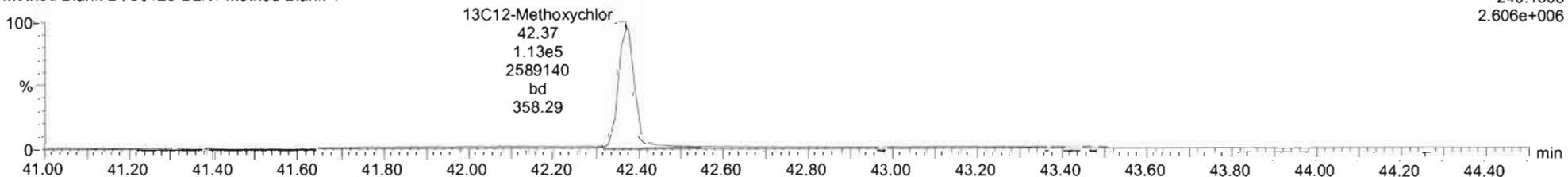
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
239.1475
6.182e+007



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
240.1508
2.606e+006



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

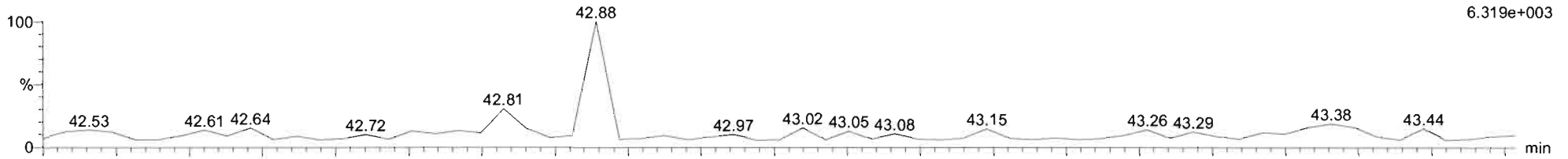
Printed: Thursday, April 01, 2021 15:50:45 Pacific Daylight Time

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

Mirex

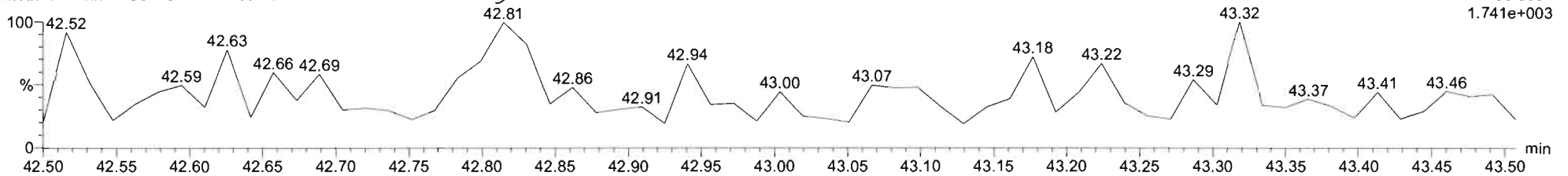
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
236.8413
6.319e+003



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

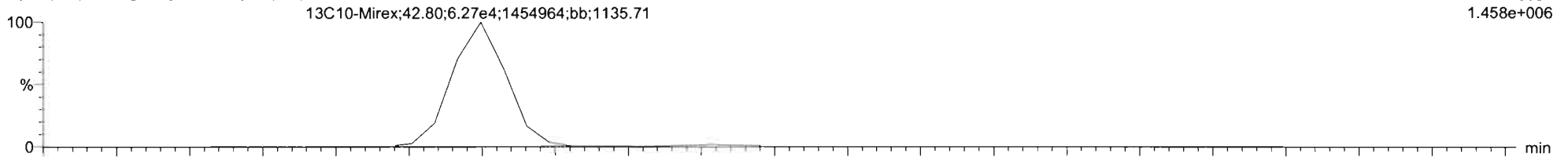
F5:Voltage SIR,EI+
238.8384
1.741e+003



13C10-Mirex

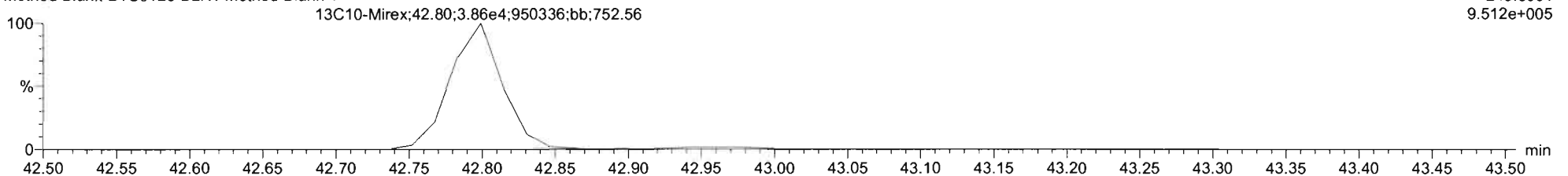
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
241.8581
1.458e+006



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
243.8551
9.512e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

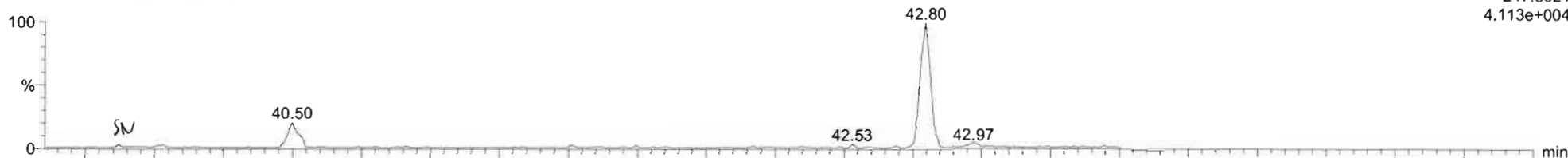
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Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

EA-EK

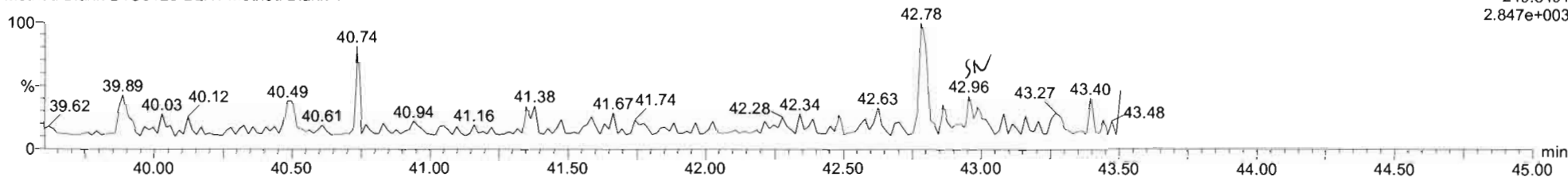
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
247.8521
4.113e+004



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

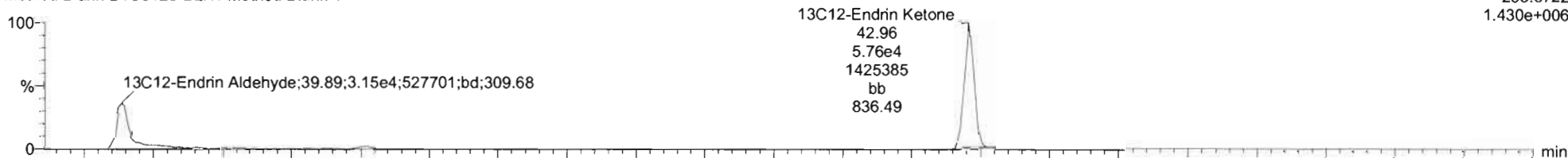
F5:Voltage SIR,EI+
249.8491
2.847e+003



EA-EK-isotopes

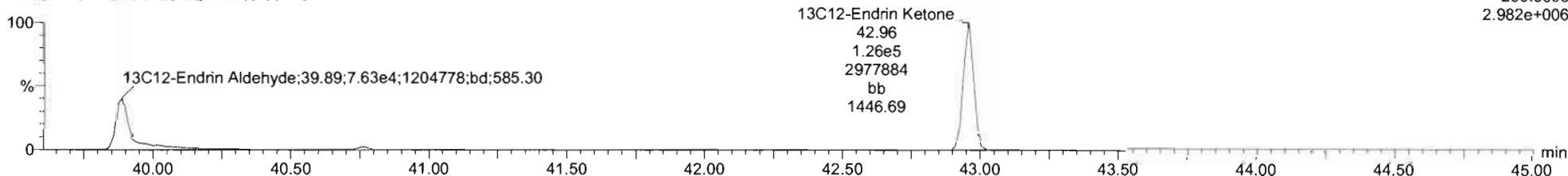
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
253.8722
1.430e+006

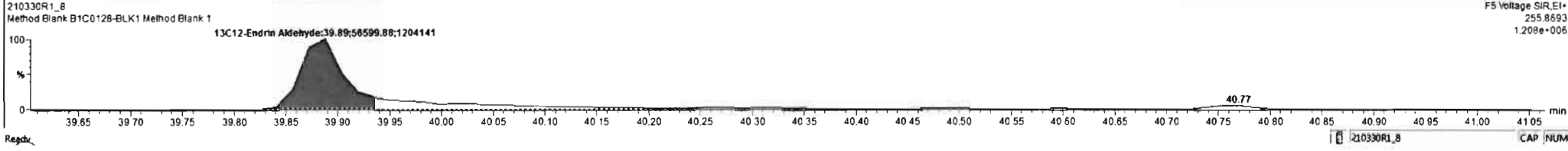
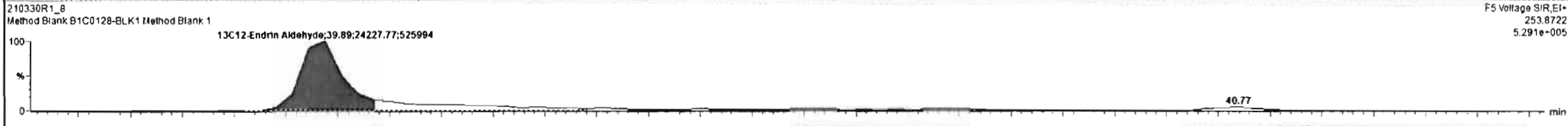
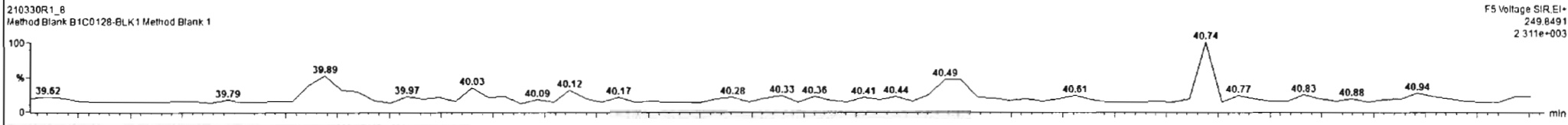
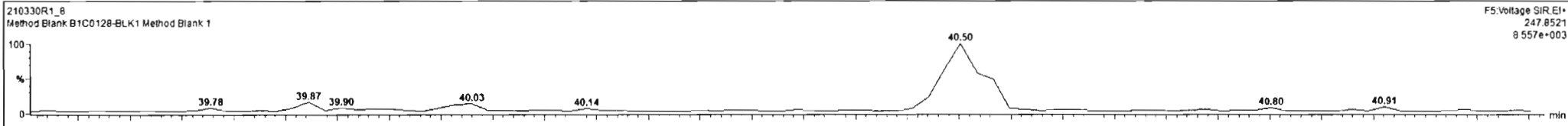


210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
255.8693
2.982e+006



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/mol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
20	DekInn		4.43e4	48		NO	1.0010	1.000	36.29			1.000	YES			1.24	
21	Endrin		3.17e4	49		NO	0.9769	1.000	37.69			1.000	YES			1.72	
22	cis-Nonachlor		2.32e4	50		NO	1.0113	1.000	38.02			1.000	YES			2.39	
23	Endosulfan II (beta)		6.82e3	51		NO	1.0079	1.000	38.73			1.000	YES			7.23	
24	2,4'-DDD		4.30e5	52		NO	0.7794	1.000	36.97			1.000	YES			1.96	
25	2,4'-DDT		2.52e5	53		NO	0.7508	1.000	38.13			1.000	YES			3.45	
26	4,4'-DDD		3.57e5	54		NO	0.8433	1.000	38.28			1.000	YES			2.22	
27	4,4'-DDT		2.12e5	55		NO	0.8412	1.000	39.34			1.000	YES			3.47	
28	Endosulfan Sulfate		1.02e4	56		NO	1.0514	1.000	40.50			1.000	YES			8.28	
29	4,4'-Methoxychlor		2.48e6	57		NO	0.9927	1.000	42.38			1.000	YES			2.55	
30	Mirex		1.01e5	58		NO	0.9793	1.000	42.82			1.000	YES			1.69	
31	Endrin Aldehyde		8.95e4	59		NO	0.9721	1.000	39.91			1.000	YES			12.0	
32	Endrin Ketone		1.84e5	60		NO	0.8551	1.000	42.96			1.000	YES			5.25	
33	13C4-Hexachlorobutadiene	3.57e5	8.11e5	62	1.20	NO	0.0833	1.000	9.60	9.53	0.389	0.391	NO	5290	52.9	0.646	
34	13C6-Hexachlorobenzene	3.20e5	8.11e5	62	1.27	NO	0.6645	1.000	21.41	21.41	0.873	0.873	NO	594	59.4	0.0773	



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

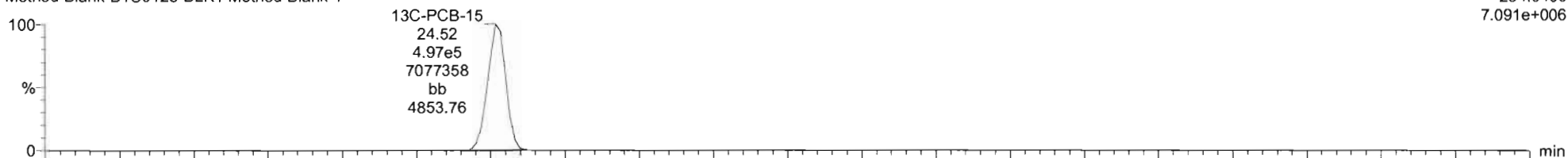
Printed: Thursday, April 01, 2021 15:50:45 Pacific Daylight Time

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

13C-PCB-15

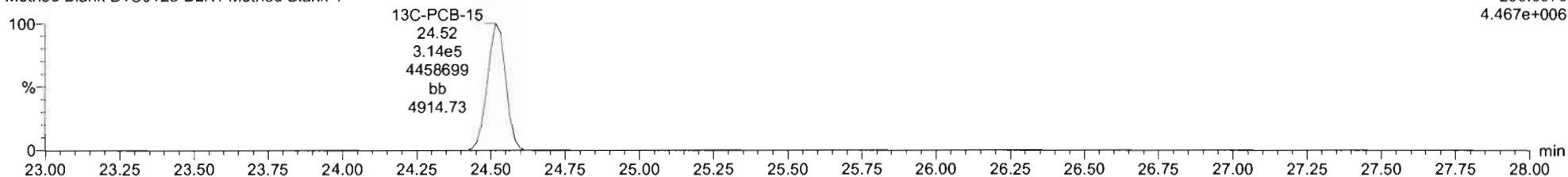
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F2:Voltage SIR,EI+
234.0406
7.091e+006



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

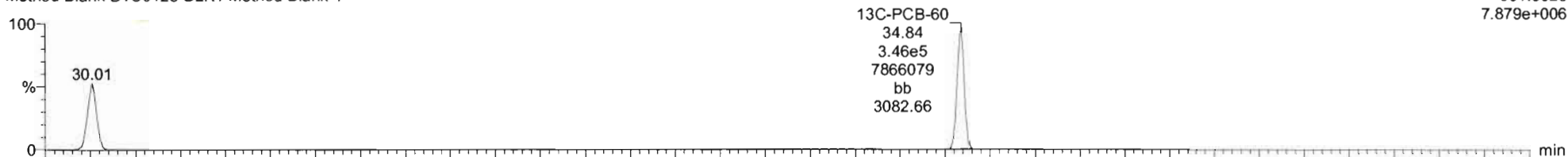
F2:Voltage SIR,EI+
236.0376
4.467e+006



13C-PCB-60

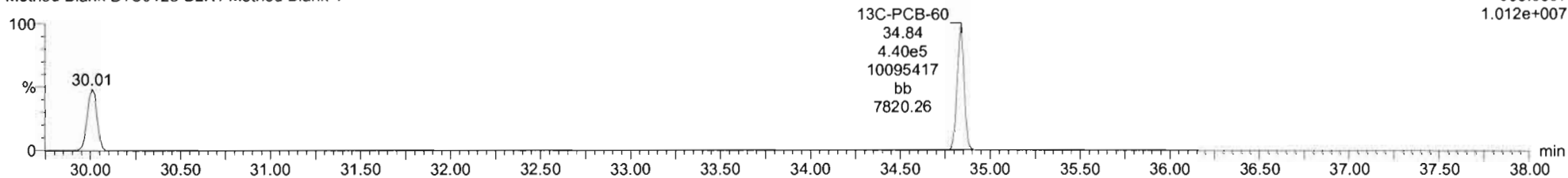
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F3:Voltage SIR,EI+
301.9626
7.879e+006



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F3:Voltage SIR,EI+
303.9597
1.012e+007



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

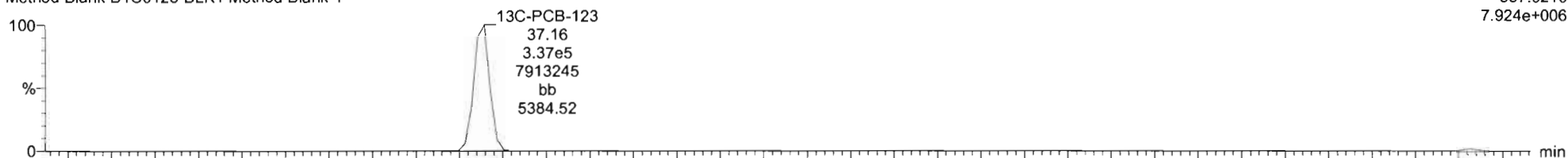
Printed: Thursday, April 01, 2021 15:50:45 Pacific Daylight Time

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

13C-PCB-123

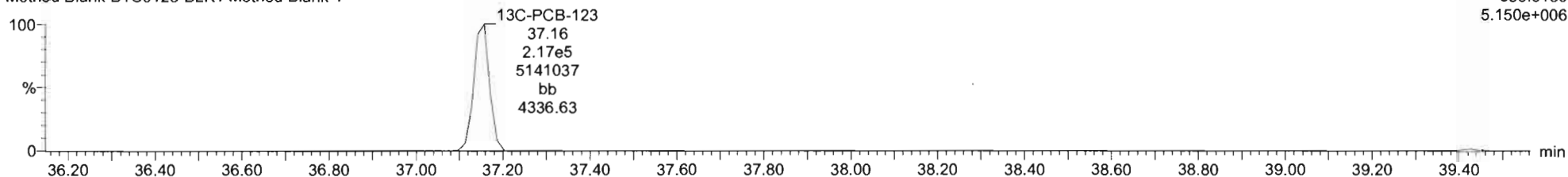
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F4:Voltage SIR,EI+
337.9210
7.924e+006



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

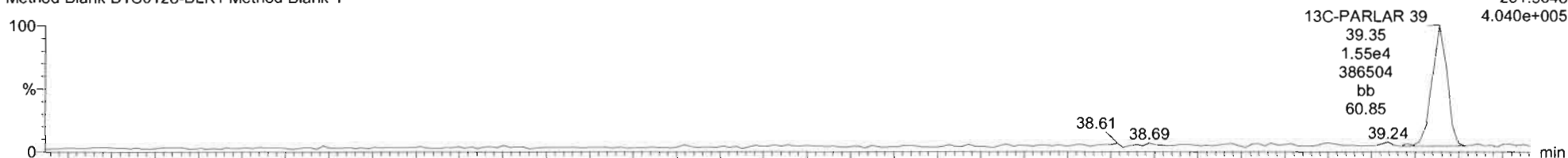
F4:Voltage SIR,EI+
339.9180
5.150e+006



13C-PARLAR 39

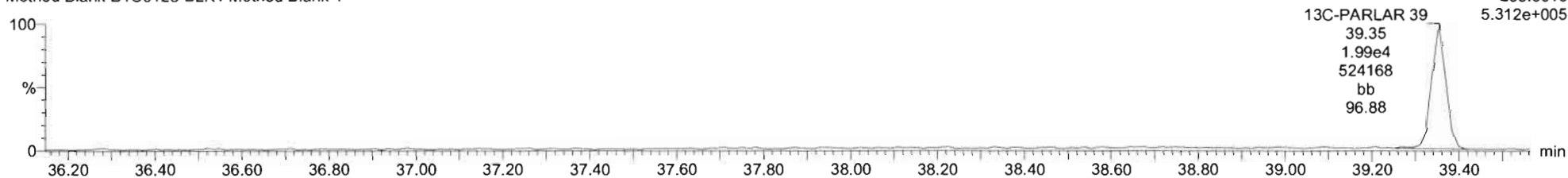
210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F4:Voltage SIR,EI+
251.9648
4.040e+005



210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F4:Voltage SIR,EI+
253.9619
5.312e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_8.qld

Last Altered: Thursday, April 01, 2021 10:13:15 Pacific Daylight Time

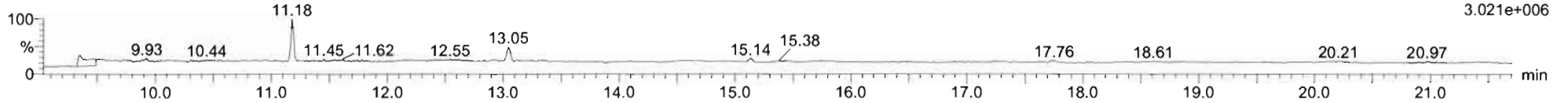
Printed: Thursday, April 01, 2021 15:50:45 Pacific Daylight Time

Name: 210330R1_8, Date: 30-Mar-2021, Time: 15:56:38, ID: B1C0128-BLK1 Method Blank 1, Description: Method Blank

PFK1

210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

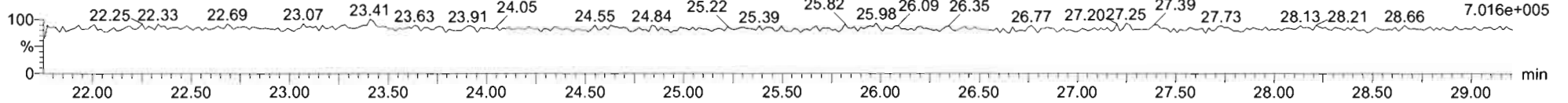
F1:Voltage SIR,EI+
268.9824
3.021e+006



PFK2

210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

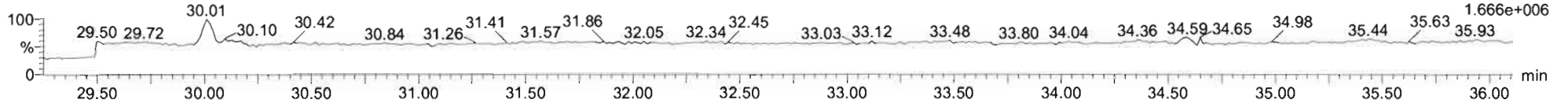
F2:Voltage SIR,EI+
242.9856
7.016e+005



PFK3

210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

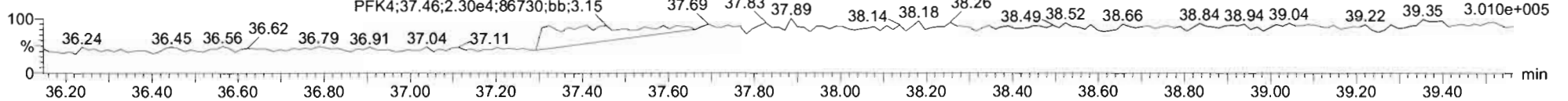
F3:Voltage SIR,EI+
268.9824
1.666e+006



PFK4

210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

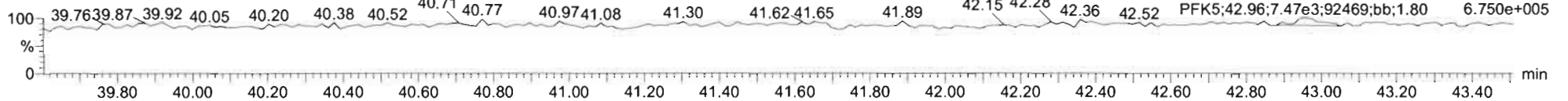
F4:Voltage SIR,EI+
242.9856
3.010e+005



PFK5

210330R1_8
Method Blank B1C0128-BLK1 Method Blank 1

F5:Voltage SIR,EI+
242.9856
6.750e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Wednesday, April 07, 2021 10:46:13 Pacific Daylight Time

Printed: Wednesday, April 07, 2021 10:47:14 Pacific Daylight Time

FIN 04/07/21

C 04/07/2021

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	2.70e5	2.97e5	1.25	NO	0.945	1.000	21.46	21.45	1.001	1.001	NO	964		0.127	964
2	3 Alpha-BHC	1.04e5	1.40e5	2.11	NO	0.781	1.000	21.99	21.98	1.001	1.002	NO	951		1.75	951
3	4 Lindane (gamma-BHC)	8.04e4	1.09e5	2.10	NO	0.790	1.000	25.03	25.03	1.001	1.001	NO	936		2.64	936
4	5 Beta-BHC	7.53e4	8.45e4	2.17	NO	0.925	1.000	27.19	27.20	1.001	1.000	NO	965		2.90	965
5	6 Delta-BHC	8.16e4	1.01e5	2.14	NO	0.863	1.000	28.97	28.99	1.001	1.001	NO	939		2.28	939
6	7 Heptachlor	4.74e4	4.88e4	1.28	NO	1.07	1.000	27.31	27.31	1.001	1.001	NO	908		1.49	908
7	9 Aldrin	6.22e4	6.03e4	1.62	NO	1.09	1.000	29.54	29.54	1.001	1.001	NO	948		2.01	948
8	10 Oxychlorane	2.29e4	2.28e4	1.58	NO	1.08	1.000	32.26	32.27	1.001	1.001	NO	926		4.49	926
9	11 cis-Heptachlor Epoxide	3.22e4	3.16e4	1.59	NO	1.09	1.000	33.08	33.09	1.001	1.001	NO	933		3.14	933
10	12 trans-Heptachlor Epox...	8.21e3	3.16e4	1.48	NO	0.269	1.000	33.55	33.60	1.016	1.015	NO	968		12.7	968
11	13 trans-Chlordane (gam...	2.26e4	2.15e4	1.65	NO	1.13	1.000	34.03	34.02	1.000	1.001	NO	934		4.52	934
12	14 trans-Nonachlor	2.41e4	2.45e4	1.57	NO	1.04	1.000	34.23	34.23	1.000	1.001	NO	946		4.29	946
13	15 cis-Chlordane	2.62e4	2.45e4	1.65	NO	1.14	1.000	34.71	34.72	1.015	1.015	NO	939		3.92	939
14	16 Endosulfan I (alpha)	2.06e4	1.94e4	1.52	NO	1.12	1.000	34.82	34.81	1.000	1.001	NO	951		4.77	951
15	18 2,4'-DDE	5.65e5	5.90e5	1.55	NO	1.01	1.000	34.72	34.72	1.000	1.000	NO	952		1.12	952
16	19 4,4'-DDE	4.17e5	4.32e5	1.53	NO	1.01	1.000	35.85	35.85	1.000	1.000	NO	955		1.47	955
17	20 Dieldrin	5.08e4	5.18e4	1.73	NO	1.00	1.000	36.30	36.31	1.001	1.000	NO	980		3.00	980
18	21 Endrin	3.79e4	4.02e4	1.66	NO	0.977	1.000	37.71	37.72	1.000	1.000	NO	963		3.97	963
19	22 cis-Nonachlor	2.52e4	2.55e4	1.62	NO	1.01	1.000	38.03	38.05	1.001	1.000	NO	974		5.74	974
20	23 Endosulfan II (beta)	7.69e3	8.33e3	1.52	NO	1.01	1.000	38.75	38.76	1.000	1.000	NO	917		17.1	917
21	24 2,4'-DDD	3.70e5	5.05e5	1.48	NO	0.779	1.000	36.98	36.99	1.000	1.000	NO	941		2.46	941
22	25 2,4'-DDT	2.23e5	2.86e5	1.55	NO	0.751	1.000	38.14	38.14	1.000	1.000	NO	1040		4.73	1040
23	26 4,4'-DDD	3.33e5	4.15e5	1.50	NO	0.843	1.000	38.28	38.29	1.001	1.000	NO	952		3.16	952
24	27 4,4'-DDT	1.93e5	2.43e5	1.50	NO	0.841	1.000	39.36	39.35	1.000	1.000	NO	947		4.58	947
25	28 Endosulfan Sulfate	9.73e3	1.15e4	1.41	NO	1.05	1.000	40.50	40.52	1.000	1.000	NO	804		10.9	804
26	29 4,4'-Methoxychlor	2.33e5	2.62e6	6.09	NO	0.993	1.000	42.38	42.39	1.000	1.000	NO	897		3.30	897
27	30 Mirex	9.79e4	1.05e5	1.59	NO	0.979	1.000	42.84	42.83	1.000	1.000	NO	951		2.41	951
28	31 Endrin Aldehyde	9.39e3	1.09e5	0.62	NO	0.972	1.000	39.91	39.92	1.001	1.000	NO	889		25.5	889
29	32 Endrin Ketone	1.43e4	1.97e5	0.64	NO	0.855	1.000	42.97	42.99	1.000	1.000	NO	847		14.8	847
30	34 13C6-Hexachlorobenz...	2.97e5	1.01e6	1.28	NO	0.664	1.000	21.44	21.44	0.873	0.873	NO	441	44.1	0.0647	
31	35 13C6-Alpha-BHC	1.40e5	1.01e6	0.75	NO	0.223	1.000	21.94	21.95	0.894	0.894	NO	618	61.8	1.75	

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Wednesday, April 07, 2021 10:46:13 Pacific Daylight Time

Printed: Wednesday, April 07, 2021 10:47:14 Pacific Daylight Time

Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

	# Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (gamma)	1.09e5	1.01e6	0.77	NO	0.168	1.000	25.00	25.00	1.018	1.018	NO	638	63.8	2.33	
33	37 13C6-Beta-BHC	8.45e4	1.01e6	0.77	NO	0.129	1.000	27.17	27.18	1.107	1.107	NO	646	64.6	3.03	
34	38 13C6-Delta-BHC	1.01e5	1.01e6	0.76	NO	0.151	1.000	28.95	28.95	1.179	1.179	NO	660	66.0	2.60	
35	39 13C10-Heptachlor	4.88e4	1.01e6	1.24	NO	0.0852	1.000	27.28	27.28	1.111	1.111	NO	566	56.6	0.953	
36	40 13C12-Aldrin	6.03e4	1.01e6	1.77	NO	0.135	1.000	29.51	29.51	1.202	1.202	NO	441	44.1	1.23	
37	41 13C10-Oxychlorane	2.28e4	1.01e6	1.70	NO	0.0343	1.000	32.23	32.24	1.313	1.313	NO	659	65.9	4.86	
38	42 13C10-cis-Heptachlor ...	3.16e4	1.01e6	1.64	NO	0.0445	1.000	33.04	33.06	1.347	1.346	NO	702	70.2	3.74	
39	43 13C10-trans-Chlordan...	2.15e4	1.01e6	1.64	NO	0.0305	1.000	33.99	34.01	1.385	1.385	NO	695	69.5	5.45	
40	44 13C10-trans-Nonachlor	2.45e4	1.01e6	1.55	NO	0.0356	1.000	34.20	34.21	1.394	1.393	NO	680	68.0	4.68	
41	45 13C9-Endosulfan I (al...	1.94e4	1.01e6	1.77	NO	0.0263	1.000	34.78	34.79	1.417	1.417	NO	730	73.0	6.32	
42	46 13C12-2,4'-DDE	5.90e5	1.01e6	1.56	NO	0.875	1.000	34.72	34.71	0.996	0.996	NO	666	66.6	1.77	
43	47 13C12-4,4'-DDE	4.32e5	1.01e6	1.59	NO	0.637	1.000	35.83	35.83	1.028	1.028	NO	671	67.1	2.42	
44	48 13C12-Dieldrin	5.18e4	1.01e6	1.65	NO	0.0741	1.000	36.28	36.28	1.041	1.041	NO	691	69.1	3.99	
45	49 13C12-Endrin	4.02e4	1.01e6	1.63	NO	0.0648	1.000	37.70	37.71	1.082	1.082	NO	613	61.3	4.56	
46	50 13C10-cis-Nonachlor	2.55e4	1.01e6	1.61	NO	0.0408	1.000	38.02	38.02	1.091	1.091	NO	619	61.9	7.25	
47	51 13C9-Endosulfan II	8.33e3	1.01e6	1.76	NO	0.0130	1.000	38.75	38.75	1.112	1.112	NO	631	63.1	22.7	
48	52 13C12-2,4'-DDD	5.05e5	1.01e6	1.55	NO	0.687	1.000	36.97	36.98	1.506	1.506	NO	726	72.6	2.37	
49	53 13C12-2,4'-DDT	2.86e5	1.01e6	1.59	NO	0.383	1.000	38.11	38.12	1.553	1.552	NO	738	73.8	4.26	
50	54 13C12-4,4'-DDD	4.15e5	1.01e6	1.54	NO	0.592	1.000	38.24	38.26	1.558	1.558	NO	692	69.2	2.75	
51	55 13C12-4,4'-DDT	2.43e5	1.01e6	1.58	NO	0.281	1.000	39.33	39.34	1.602	1.602	NO	852	85.2	5.79	
52	56 13C9-Endosulfan Sulf...	1.15e4	1.01e6	1.57	NO	0.0163	1.000	40.51	40.50	1.162	1.162	NO	695	69.5	24.5	
53	57 13C12-Methoxychlor	2.62e6	1.01e6	21.61	NO	0.297	1.000	42.38	42.37	1.216	1.216	NO	8710	87.1	8.97	
54	58 13C10-Mirex	1.05e5	1.01e6	1.57	NO	0.177	1.000	42.82	42.81	1.228	1.229	NO	586	58.6	2.41	
55	59 13C12-Endrin Aldehyde	1.09e5	1.01e6	0.45	NO	0.0292	1.000	39.89	39.89	1.144	1.145	NO	3680	36.8	27.2	
56	60 13C12-Endrin Ketone	1.97e5	1.01e6	0.46	NO	0.0271	1.000	42.96	42.97	1.233	1.232	NO	7190	71.9	29.3	
57	62 13C-PCB-15	1.01e6	1.01e6	1.56	NO	1.00	1.000	24.55	24.55	1.000	1.000	NO	1000	100	0.426	

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

Printed: Thursday, April 01, 2021 15:50:30 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

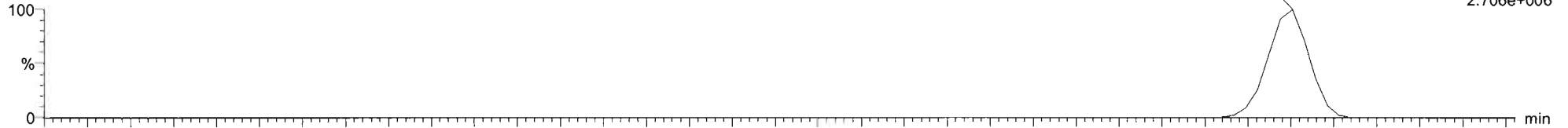
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Hexachlorobenzene

210330R1_6
OPR B1C0128-BS1 OPR 1

Hexachlorobenzene;21.45;1.50e5;2703137;bb;33290.59

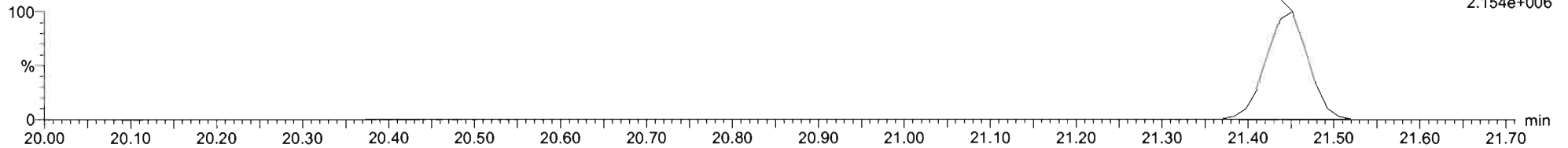
F1:Voltage SIR,EI+
283.8102
2.706e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

Hexachlorobenzene;21.45;1.20e5;2150983;bb;12620.73

F1:Voltage SIR,EI+
285.8072
2.154e+006

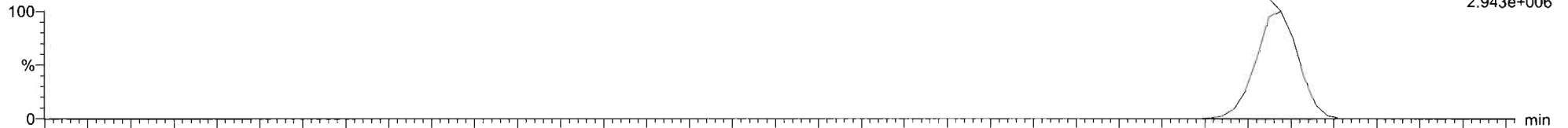


¹³C6-Hexachlorobenzene

210330R1_6
OPR B1C0128-BS1 OPR 1

¹³C6-Hexachlorobenzene;21.44;1.67e5;2939569;bb;17937.37

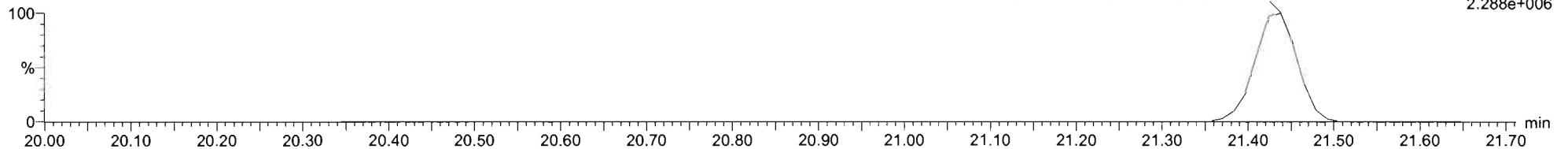
F1:Voltage SIR,EI+
289.8303
2.943e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

¹³C6-Hexachlorobenzene;21.44;1.30e5;2285122;bb;20943.83

F1:Voltage SIR,EI+
291.8273
2.288e+006



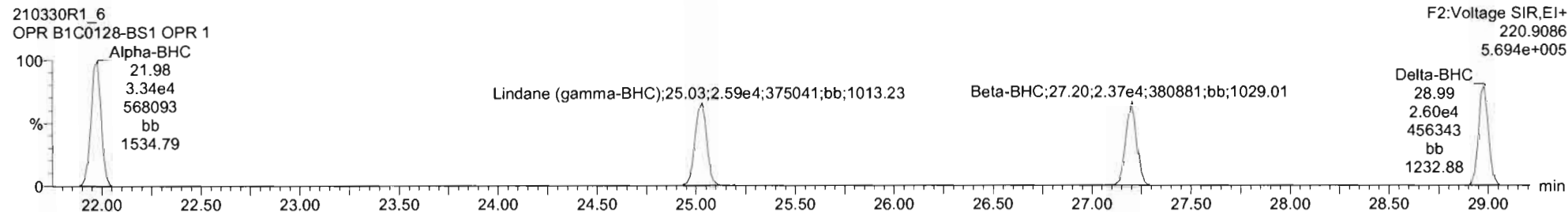
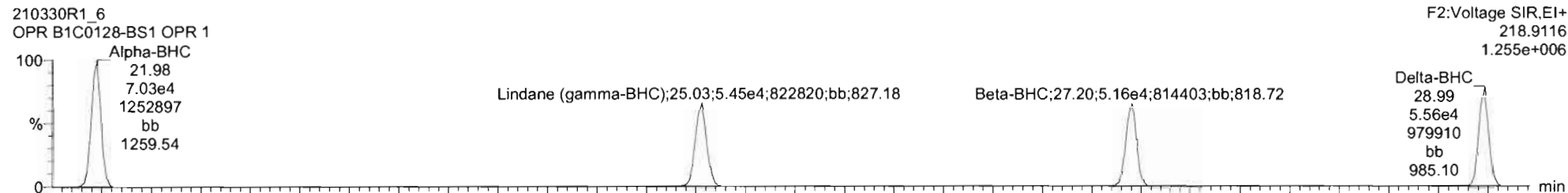
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Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

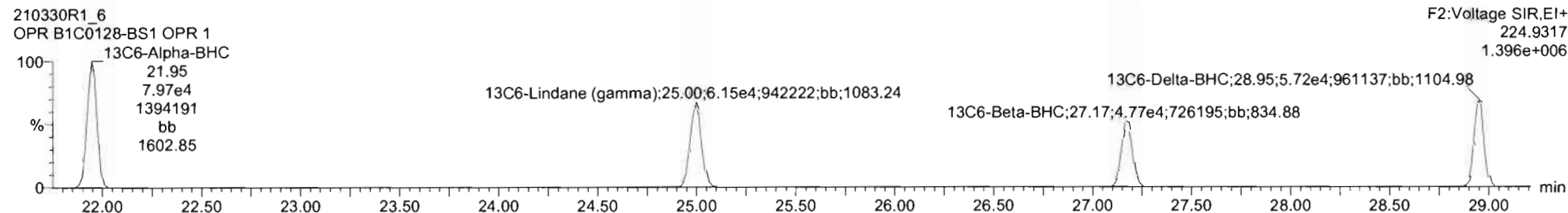
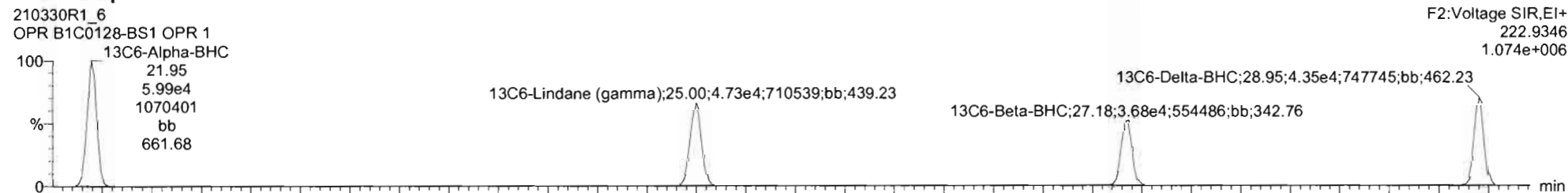
Printed: Thursday, April 01, 2021 15:50:30 Pacific Daylight Time

Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

BHC Totals



BHC-isotopes



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

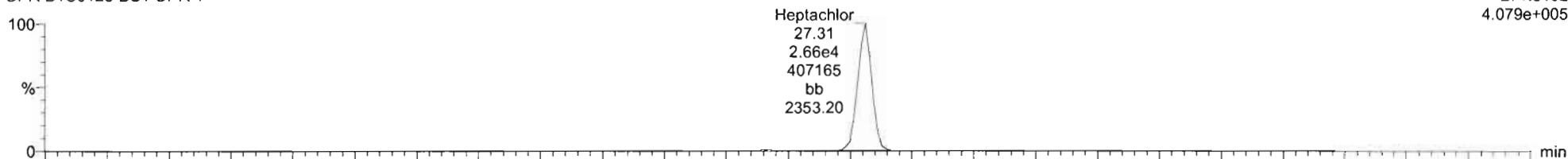
Printed: Thursday, April 01, 2021 15:50:30 Pacific Daylight Time

Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

Heptachlor

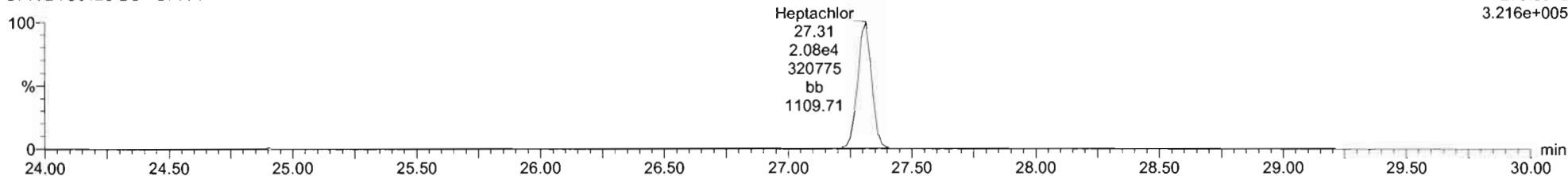
210330R1_6
OPR B1C0128-BS1 OPR 1

F2:Voltage SIR,EI+
271.8102
4.079e+005



210330R1_6
OPR B1C0128-BS1 OPR 1

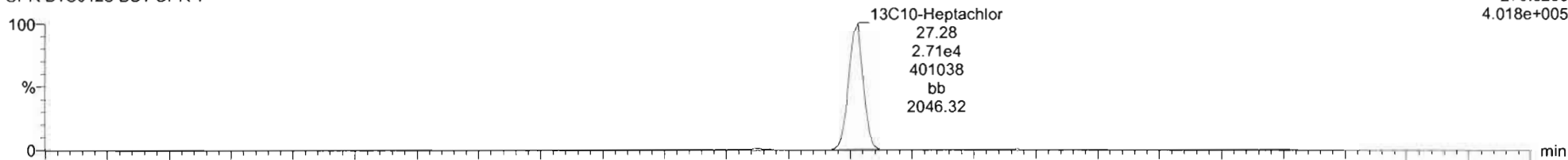
F2:Voltage SIR,EI+
273.8072
3.216e+005



13C10-Heptachlor

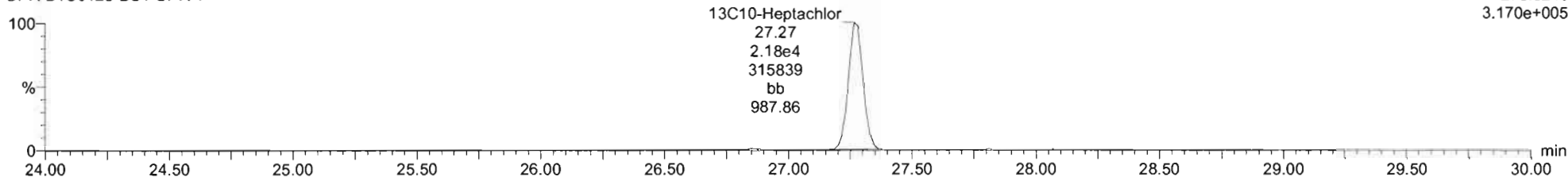
210330R1_6
OPR B1C0128-BS1 OPR 1

F2:Voltage SIR,EI+
276.8269
4.018e+005



210330R1_6
OPR B1C0128-BS1 OPR 1

F2:Voltage SIR,EI+
278.8240
3.170e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

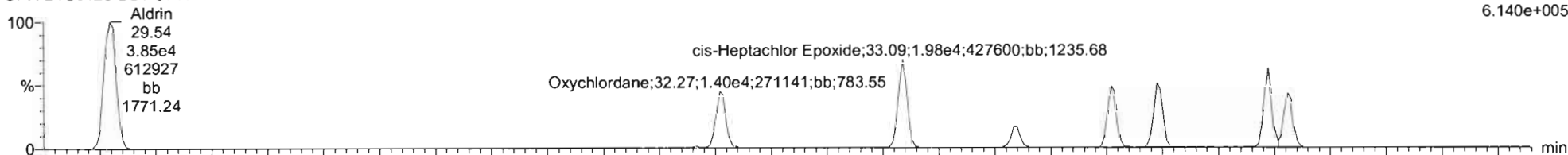
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Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

Aldrin-EI

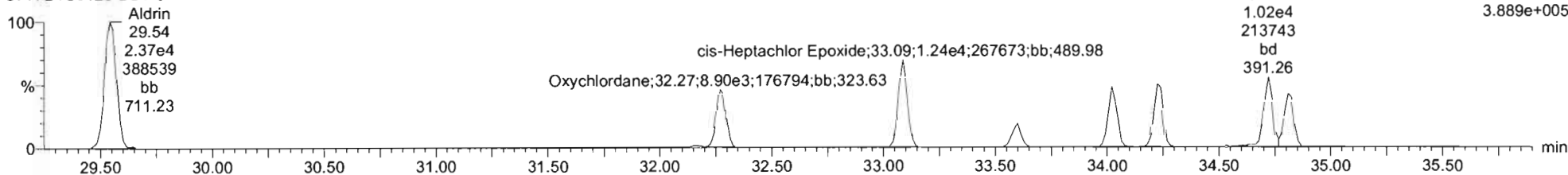
210330R1_6
OPR B1C0128-BS1 OPR 1

F3:Voltage SIR,EI+
262.8569
6.140e+005



210330R1_6
OPR B1C0128-BS1 OPR 1

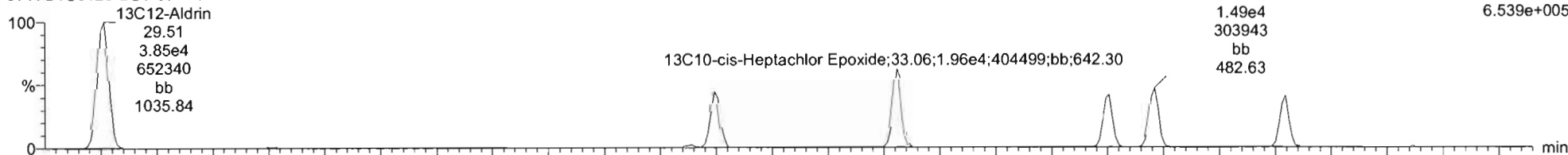
F3:Voltage SIR,EI+
264.8550
3.889e+005



Aldrin-EI-isotopes

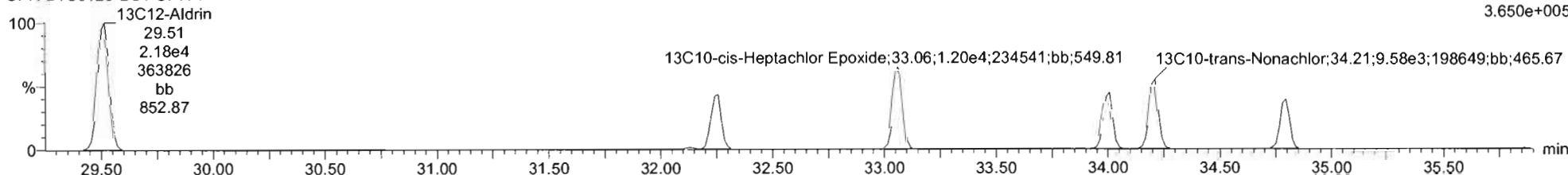
210330R1_6
OPR B1C0128-BS1 OPR 1

F3:Voltage SIR,EI+
269.8804
6.539e+005

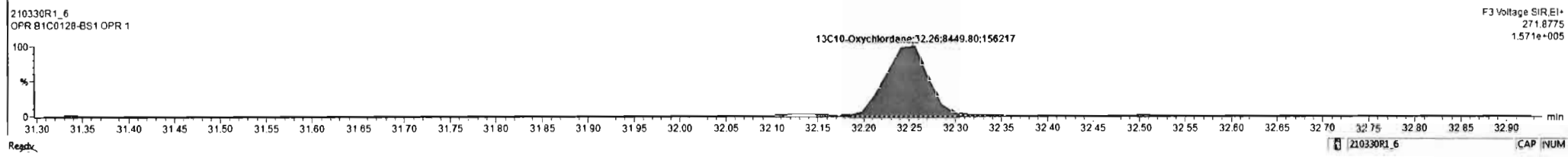
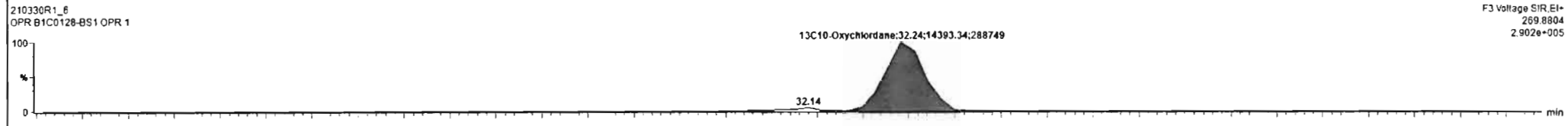
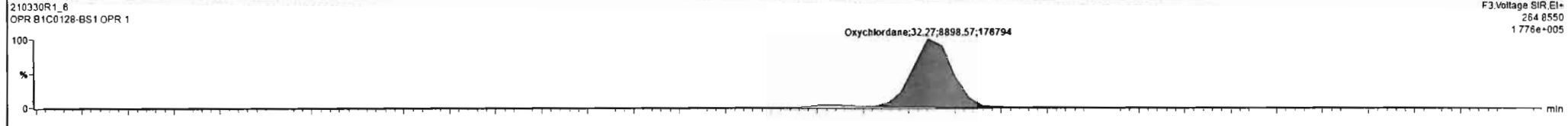
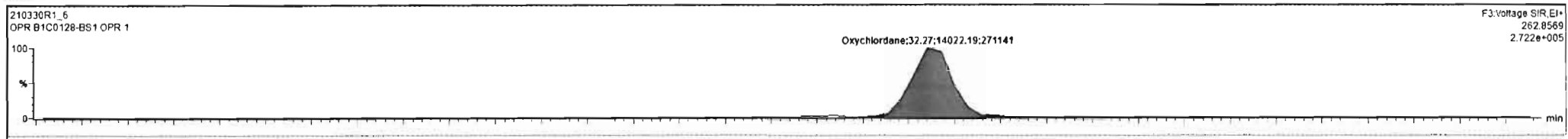


210330R1_6
OPR B1C0128-BS1 OPR 1

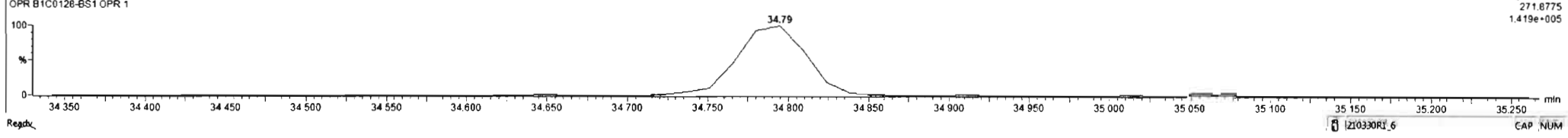
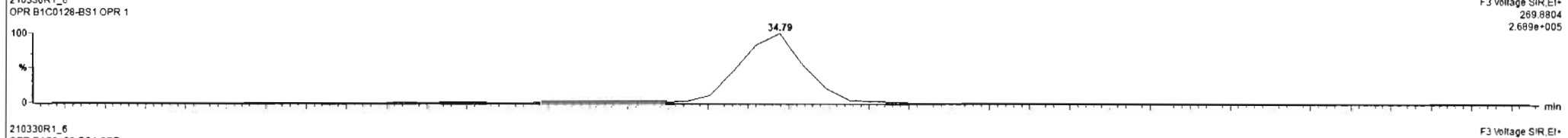
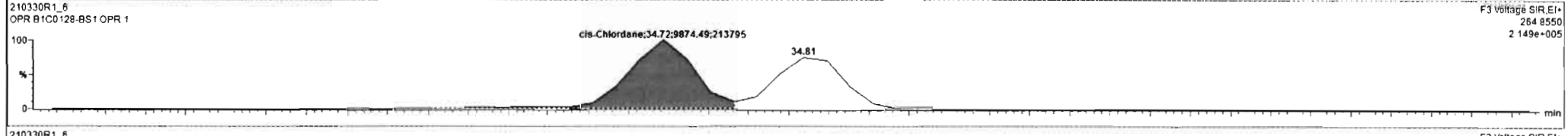
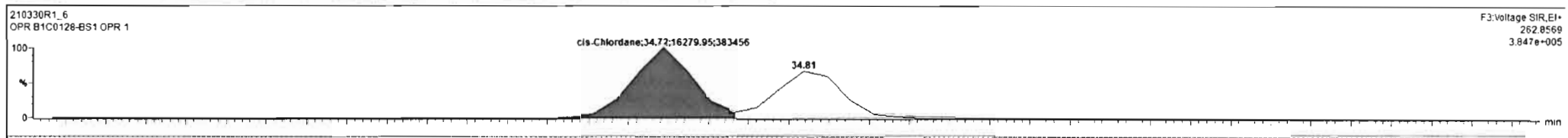
F3:Voltage SIR,EI+
271.8775
3.650e+005



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	5.02e3	3.41e5	33	0.33	YES	0.0873	1.000	9.56	9.57	1.001	1.000	NO	1690	2.88	761	
2	Hexachlorobenzene	2.70e5	2.97e5	34	1.25	NO	0.9446	1.000	21.46	21.45	1.001	1.001	NO	964	0.127	964	
3	Alpha-BHC	1.04e5	1.40e5	35	2.11	NO	0.7811	1.000	21.99	21.98	1.001	1.002	NO	951	1.75	951	
4	Lindane (gamma-BHC)	8.04e4	1.09e5	36	2.10	NO	0.7896	1.000	25.03	25.03	1.001	1.001	NO	936	2.64	936	
5	Beta-BHC	7.53e4	8.45e4	37	2.17	NO	0.9247	1.000	27.19	27.20	1.001	1.000	NO	965	2.90	965	
6	Delta-BHC	8.16e4	1.01e5	38	2.14	NO	0.8627	1.000	28.97	28.99	1.001	1.001	NO	939	2.28	939	
7	Heptachlor	4.74e4	4.68e4	39	1.28	NO	1.0692	1.000	27.31	27.31	1.001	1.001	NO	908	1.49	908	
8	4,4'-DDMU	6.89e4	1.01e5	38	3.14	NO	1.1414	1.000	28.87	28.91	0.998	0.997	NO	600	3.75	600	
9	Aldrin	6.22e4	6.03e4	40	1.62	NO	1.0884	1.000	29.54	29.54	1.001	1.001	NO	948	2.01	948	
10	Oxychlorane	2.29e4	2.26e4	41	1.58	NO	1.0218	1.000	32.26	32.27	1.001	1.001	NO	928	4.49	928	
11	cis-Heptachlor Epoxide	3.22e4	3.16e4	42	1.59	NO	1.0916	1.000	33.08	33.09	1.001	1.001	NO	933	3.14	933	
12	trans-Heptachlor Epoxide	8.21e2	3.16e4	42	1.48	NO	0.2687	1.000	33.55	33.60	1.015	1.015	NO	968	12.7	968	
13	trans-Chlordane (gamm...	2.26e4	2.15e4	43	1.85	NO	1.1262	1.000	34.03	34.02	1.000	1.001	NO	934	4.52	934	
14	trans-Nonachlor	2.41e4	2.45e4	44	1.57	NO	1.0419	1.000	34.23	34.23	1.000	1.001	NO	946	4.29	946	
15	cis-Chlordane	2.64e4	2.45e4	44	1.60	NO	1.1385	1.000	34.71	34.72	1.015	1.015	NO	950	3.92	950	



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtPct	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	5.02e3	3.41e5	33	0.33	YES	0.0873	1.000	9.56	9.57	1.001	1.000	NO	1690	2.88	761	
2	Hexachlorobenzene	2.70e5	2.97e5	34	1.25	NO	0.9446	1.000	21.46	21.45	1.001	1.001	NO	964	0.127	964	
3	Alpha-BHC	1.04e5	1.40e5	35	2.11	NO	0.7811	1.000	21.99	21.98	1.001	1.002	NO	951	1.75	951	
4	Lindane (gamma-BHC)	8.04e4	1.09e5	36	2.10	NO	0.7896	1.000	25.03	25.03	1.001	1.001	NO	936	2.64	936	
5	Beta-BHC	7.53e4	8.45e4	37	2.17	NO	0.9247	1.000	27.19	27.20	1.001	1.000	NO	965	2.90	965	
6	Delta-BHC	8.18e4	1.01e5	38	2.14	NO	0.8627	1.000	28.97	28.99	1.001	1.001	NO	939	2.28	939	
7	Heptachlor	4.74e4	4.88e4	39	1.28	NO	1.0692	1.000	27.31	27.31	1.001	1.001	NO	908	1.49	908	
8	4,4'-DDMU	6.89e4	1.01e5	38	3.14	NO	1.1414	1.000	28.87	28.91	0.998	0.997	NO	600	3.75	600	
9	Aldrin	6.22e4	6.03e4	40	1.62	NO	1.0884	1.000	29.54	29.54	1.001	1.001	NO	948	2.01	948	
10	Oxychlorane	2.29e4	2.28e4	41	1.58	NO	1.0838	1.000	32.26	32.27	1.001	1.001	NO	926	4.49	926	
11	cis-Heptachlor Epoxide	3.22e4	3.16e4	42	1.59	NO	1.0916	1.000	33.08	33.09	1.001	1.001	NO	933	3.14	933	
12	trans-Heptachlor Epoxide	8.21e3	3.16e4	42	1.48	NO	0.2687	1.000	33.55	33.60	1.016	1.015	NO	968	12.7	968	
13	trans-Chlordane (gamma)	2.28e4	2.15e4	43	1.65	NO	1.1282	1.000	34.03	34.02	1.000	1.001	NO	934	4.52	934	
14	trans-Nonachlor	2.41e4	2.45e4	44	1.57	NO	1.0419	1.000	34.23	34.23	1.000	1.001	NO	946	4.29	946	
15	cis-Chlordane	2.82e4	2.45e4	44	1.65	NO	1.1385	1.000	34.71	34.72	1.015	1.015	NO	939	3.92	939	



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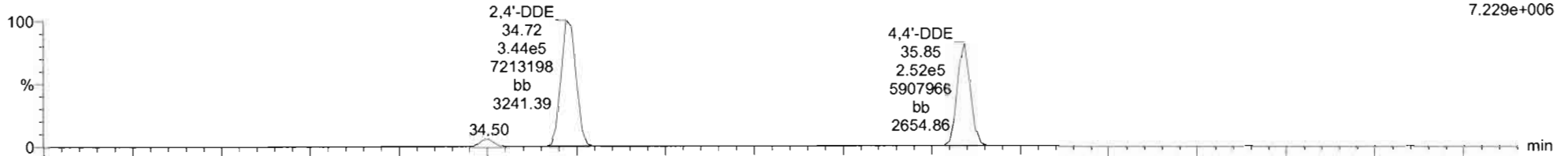
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DDMU-DDE

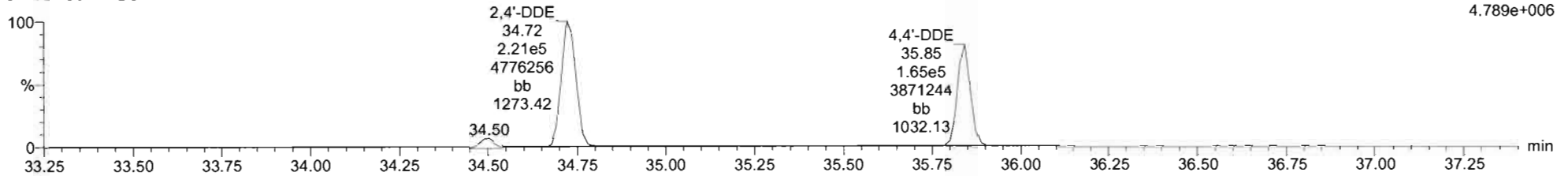
210330R1_6
OPR B1C0128-BS1 OPR 1

F3:Voltage SIR,EI+
246.0003
7.229e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

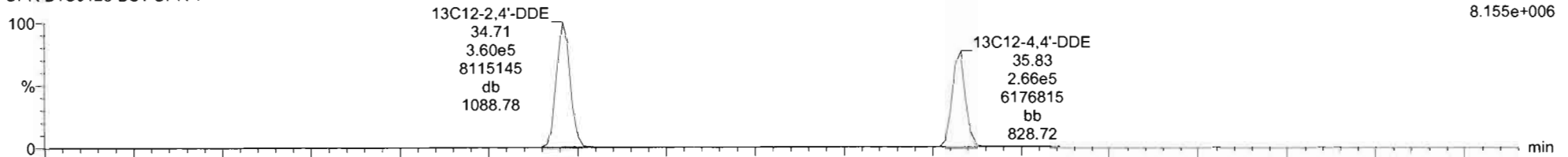
F3:Voltage SIR,EI+
247.9974
4.789e+006



DDE-isotopes

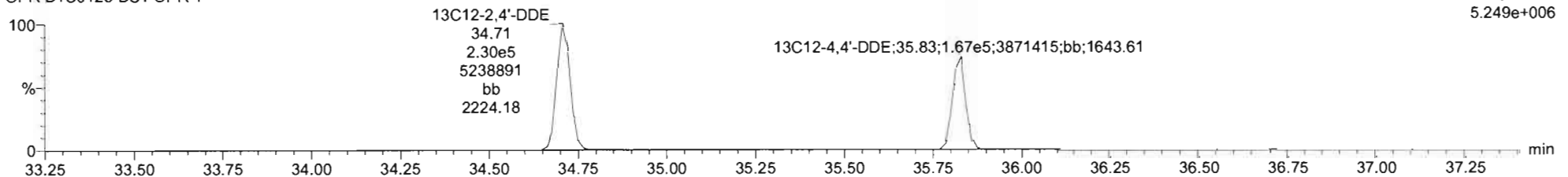
210330R1_6
OPR B1C0128-BS1 OPR 1

F3:Voltage SIR,EI+
258.0406
8.155e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

F3:Voltage SIR,EI+
260.0376
5.249e+006

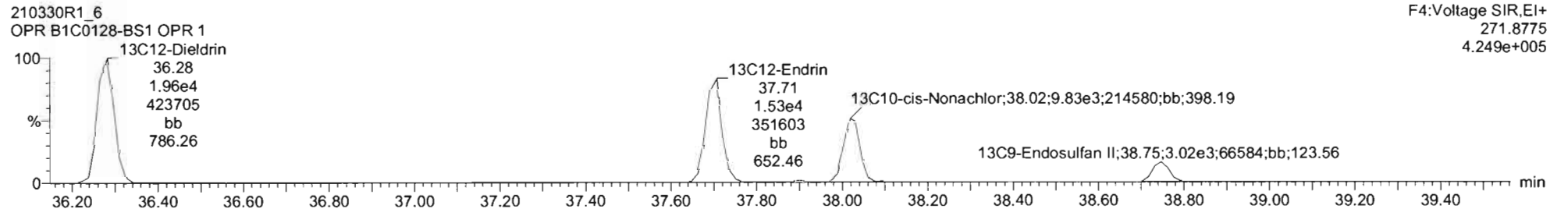
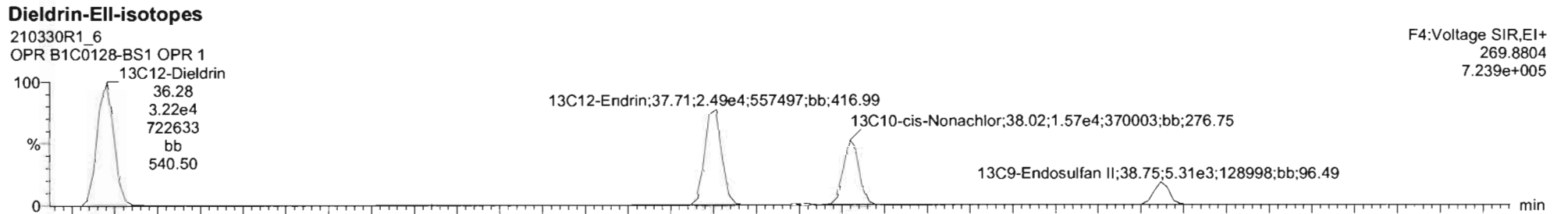
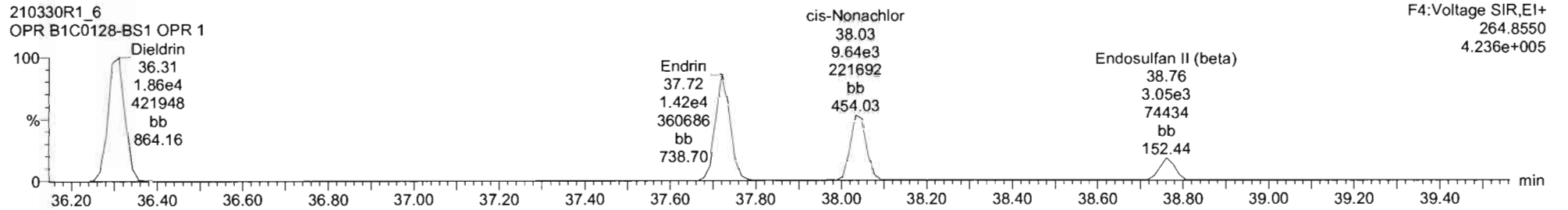
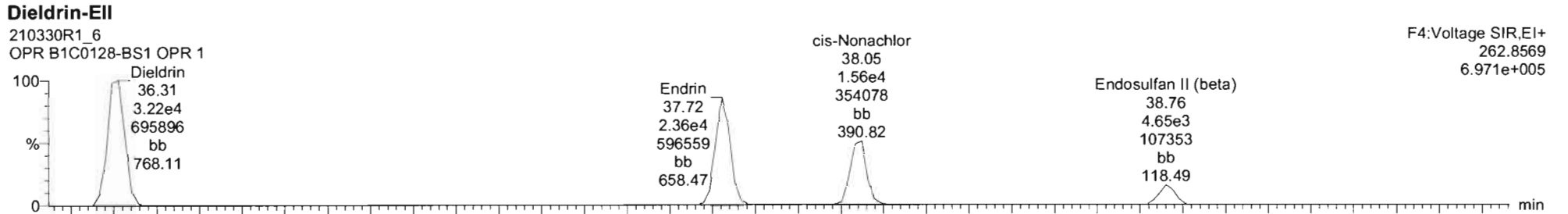


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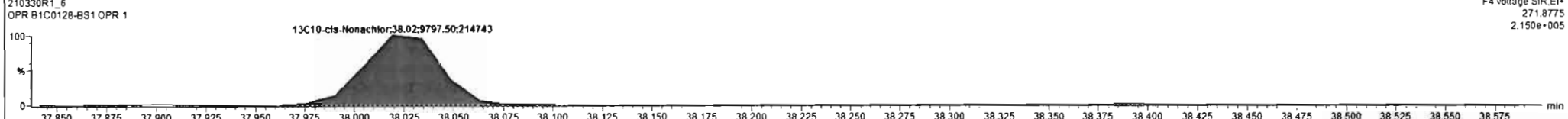
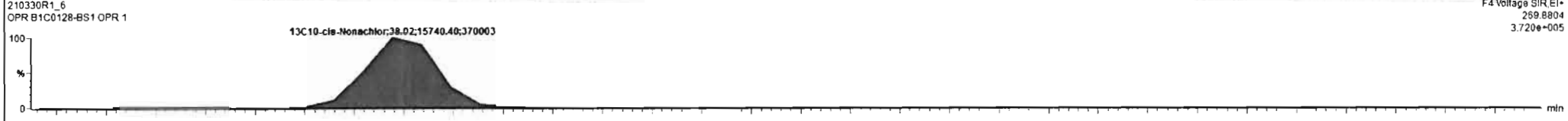
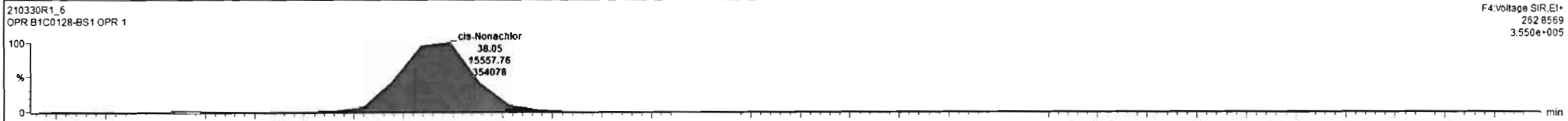
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Printed: Thursday, April 01, 2021 15:50:30 Pacific Daylight Time

Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/wt	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
17	4,4'-DDMU	2.27e5	5.90e5	46	3.08	NO	0.4187	1.000	34.51	34.50	0.994	0.994	NO	919	1.25	919	
18	2,4'-DDE	5.65e5	5.90e5	46	1.55	NO	1.0066	1.000	34.72	34.72	1.000	1.000	NO	952	1.12	952	
19	4,4'-DDE	4.17e5	4.32e5	47	1.53	NO	1.0094	1.000	35.85	35.85	1.000	1.000	NO	955	1.47	955	
20	Dieldrin	5.08e4	5.18e4	48	1.73	NO	1.0010	1.000	36.30	36.31	1.001	1.000	NO	980	3.00	980	
21	Endrin	3.79e4	4.02e4	49	1.66	NO	0.9769	1.000	37.71	37.72	1.000	1.000	NO	963	3.97	963	
22	cis-Nonachlor	2.52e4	2.55e4	50	1.62	NO	1.0113	1.000	38.03	38.05	1.001	1.000	NO	974	5.74	974	
23	Endosulfan I (beta)	7.69e3	8.33e3	51	1.52	NO	1.0079	1.000	38.75	38.76	1.000	1.000	NO	917	17.1	917	
24	2,4'-DDD	3.70e5	5.05e5	52	1.48	NO	0.7794	1.000	36.98	36.99	1.000	1.000	NO	941	2.46	941	
25	2,4'-DDT	2.23e5	2.86e5	53	1.55	NO	0.7506	1.000	38.14	38.14	1.000	1.000	NO	1040	4.73	1040	
26	4,4'-DDD	3.33e5	4.15e5	54	1.50	NO	0.8433	1.000	38.28	38.29	1.001	1.000	NO	952	3.16	952	
27	4,4'-DDT	1.93e5	2.43e5	55	1.50	NO	0.8412	1.000	39.36	39.35	1.000	1.000	NO	947	4.58	947	
28	Endosulfan Sulfate	9.73e3	1.15e4	56	1.41	NO	1.0514	1.000	40.50	40.52	1.000	1.000	NO	804	10.9	804	
29	4,4'-Methoxychlor	2.33e5	2.62e6	57	8.09	NO	0.9927	1.000	42.38	42.39	1.000	1.000	NO	896	3.30	896	
30	Mirex	9.79e4	1.05e5	58	1.59	NO	0.9793	1.000	42.84	42.83	1.000	1.000	NO	951	2.41	951	
31	Endrin Aldehyde	1.20e4	1.38e5	59	0.52	NO	0.9721	1.000	39.91	39.92	1.001	1.000	NO	895	23.3	895	



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

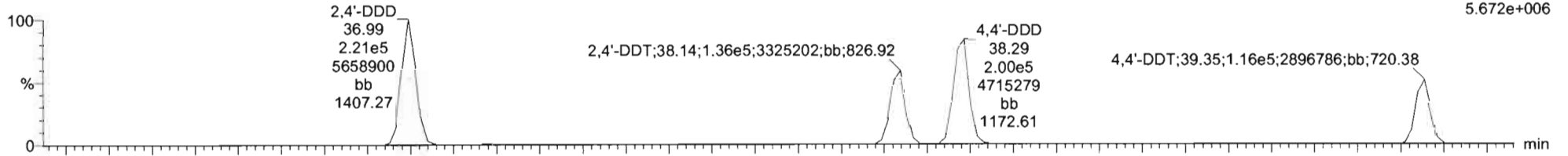
Printed: Thursday, April 01, 2021 15:50:30 Pacific Daylight Time

Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

DDD-DDT

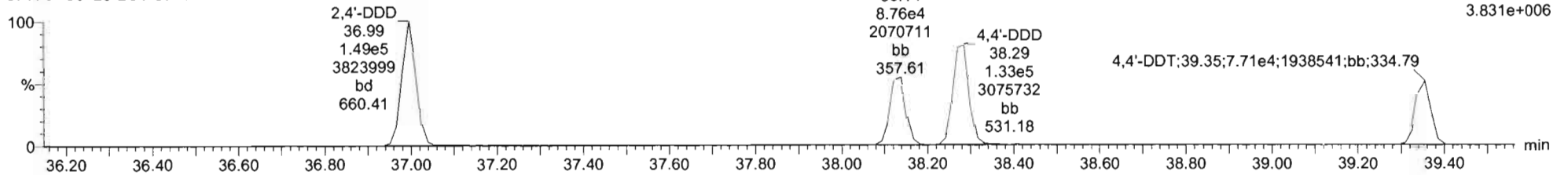
210330R1_6
OPR B1C0128-BS1 OPR 1

F4:Voltage SIR,EI+
235.0081
5.672e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

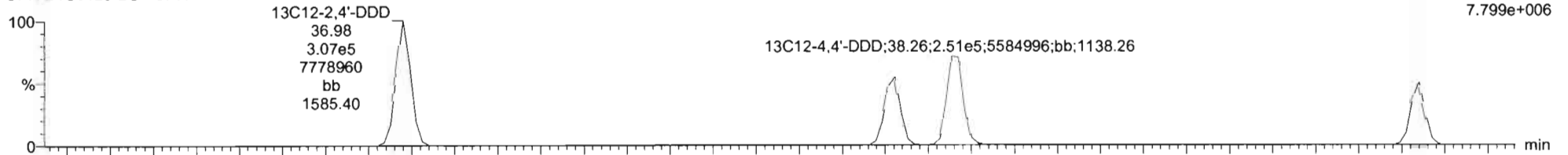
F4:Voltage SIR,EI+
237.0052
3.831e+006



DDD-DDT-isotopes

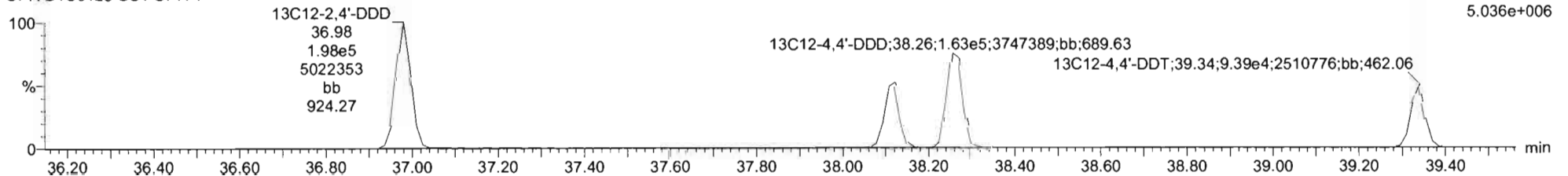
210330R1_6
OPR B1C0128-BS1 OPR 1

F4:Voltage SIR,EI+
247.0484
7.799e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

F4:Voltage SIR,EI+
249.0454
5.036e+006



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

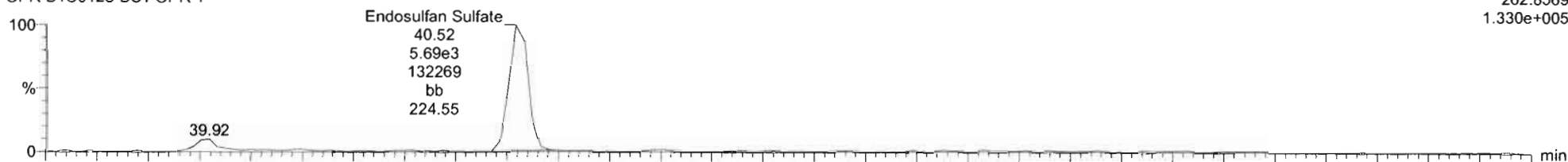
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Printed: Thursday, April 01, 2021 15:50:30 Pacific Daylight Time

Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

Endosulfan Sulfate

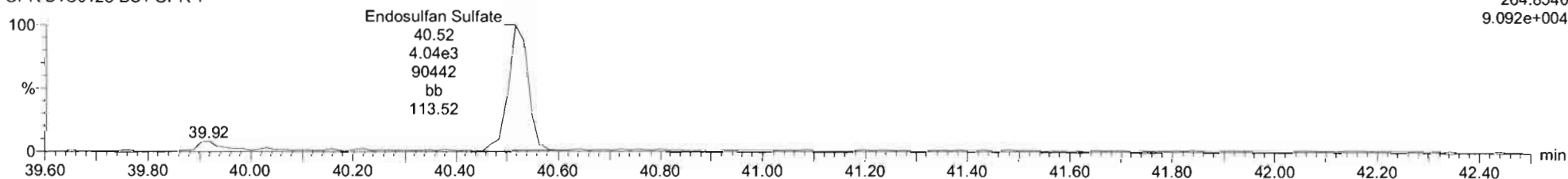
210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
262.8569
1.330e+005



210330R1_6
OPR B1C0128-BS1 OPR 1

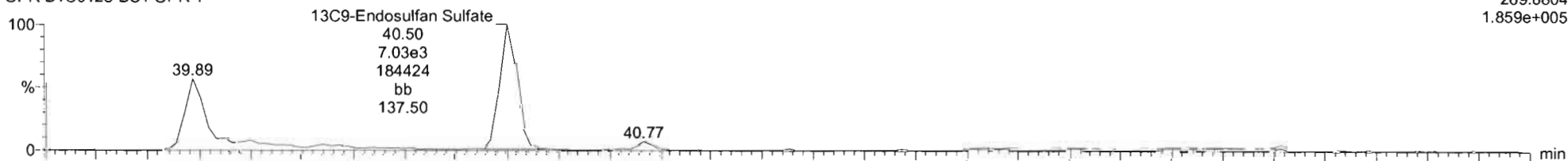
F5:Voltage SIR,EI+
264.8540
9.092e+004



13C9-Endosulfan Sulfate

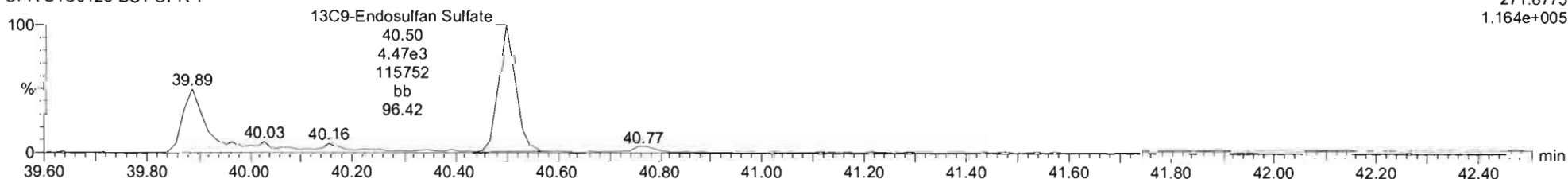
210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
269.8804
1.859e+005



210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
271.8775
1.164e+005



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Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

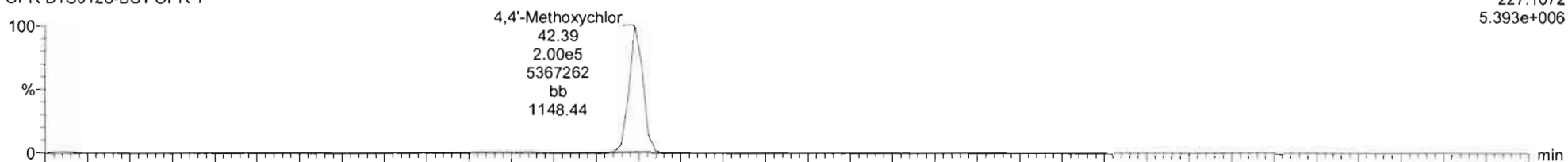
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Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

4,4'-Methoxychlor

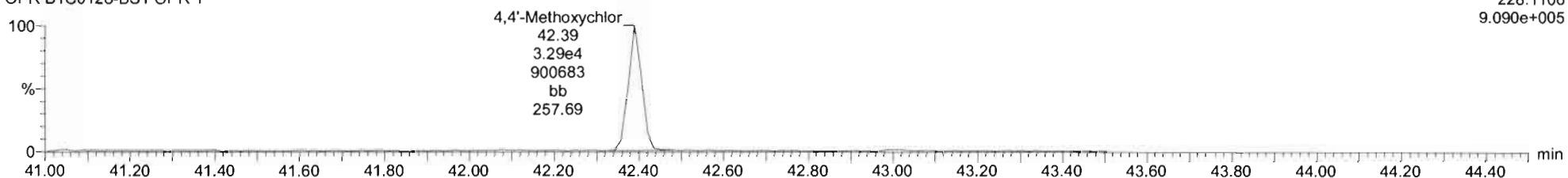
210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
227.1072
5.393e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

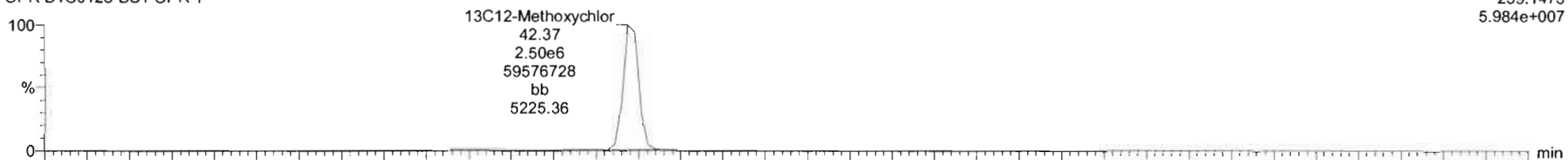
F5:Voltage SIR,EI+
228.1106
9.090e+005



13C12-Methoxychlor

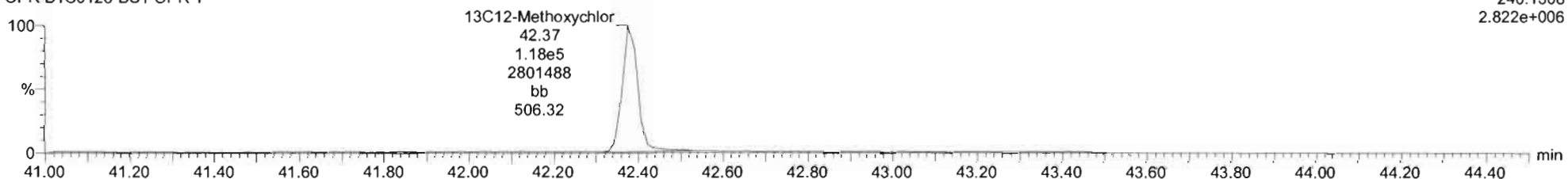
210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
239.1475
5.984e+007



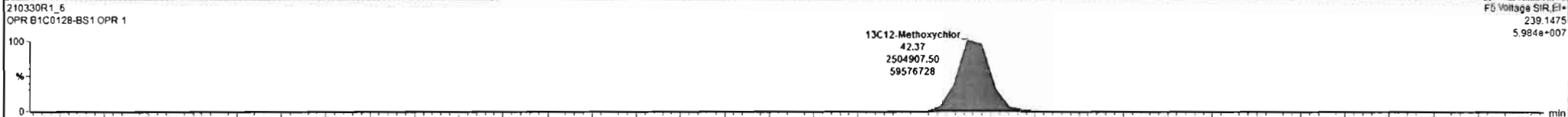
210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
240.1508
2.822e+006



210330R1_6 - B1C0128_BS1 OPR 1 - OPR

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
17	4,4'-DDMU	2.27e5	5.90e5	46	3.08	NO	0.4187	1.000	34.51	34.50	0.994	0.994	NO	919		1.25	919
18	2,4'-DDE	5.65e5	5.90e5	46	1.55	NO	1.0066	1.000	34.72	34.72	1.000	1.000	NO	952		1.12	952
19	4,4'-DDE	4.17e5	4.32e5	47	1.53	NO	1.0094	1.000	35.85	35.85	1.000	1.000	NO	955		1.47	955
20	Dieldrin	5.08e4	5.18e4	48	1.73	NO	1.0010	1.000	36.30	36.31	1.001	1.000	NO	960		3.00	960
21	Endrin	3.79e4	4.02e4	49	1.66	NO	0.9769	1.000	37.71	37.72	1.000	1.000	NO	963		3.97	963
22	cis-Nonachlor	2.52e4	2.55e4	50	1.62	NO	1.0113	1.000	38.03	38.05	1.001	1.000	NO	974		5.74	974
23	Endosulfen I (beta)	7.69e3	8.33e3	51	1.52	NO	1.0079	1.000	38.75	38.76	1.000	1.000	NO	917		17.1	917
24	2,4'-DDD	3.70e5	5.05e5	52	1.48	NO	0.7794	1.000	36.98	36.99	1.000	1.000	NO	941		2.46	941
25	2,4'-DDT	2.23e5	2.86e5	53	1.55	NO	0.7506	1.000	38.14	38.14	1.000	1.000	NO	1040		4.73	1040
26	4,4'-DDD	3.33e5	4.15e5	54	1.50	NO	0.8433	1.000	38.28	38.29	1.001	1.000	NO	952		3.16	952
27	4,4'-DDT	1.93e5	2.43e5	55	1.50	NO	0.8412	1.000	39.36	39.35	1.000	1.000	NO	947		4.58	947
28	Endosulfen Sulfate	9.73e3	1.15e4	56	1.41	NO	1.0514	1.000	40.50	40.52	1.000	1.000	NO	804		10.9	804
29	4,4'-Methoxychlor	2.33e5	2.62e5	57	0.99	NO	0.9927	1.000	42.38	42.38	1.000	1.000	NO	897		3.30	897
30	Mirex	9.77e4	1.05e5	58	1.59	NO	0.9793	1.000	42.84	42.83	1.000	1.000	NO	951		2.41	951
31	Endrin Aldehyde	1.20e4	1.38e5	59	0.52	NO	0.9721	1.000	39.91	39.92	1.001	1.000	NO	895		23.3	895



Regcb 41.35 41.40 41.45 41.50 41.55 41.60 41.65 41.70 41.75 41.80 41.85 41.90 41.95 42.00 42.05 42.10 42.15 42.20 42.25 42.30 42.35 42.40 42.45 42.50 42.55 42.60 42.65 42.70 42.75 42.80 42.85 42.90 42.95 43.00 min

210330R1_6 CAP NUM

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

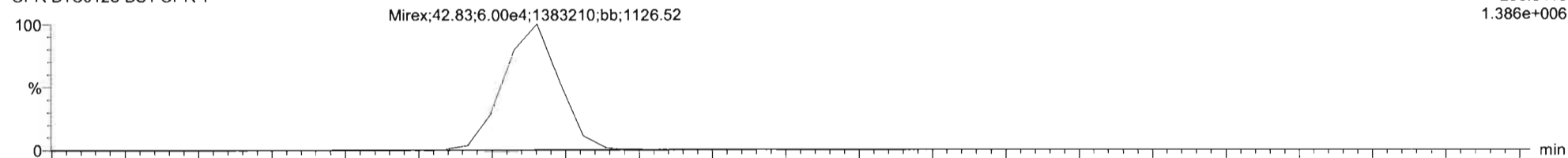
Printed: Thursday, April 01, 2021 15:50:30 Pacific Daylight Time

Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

Mirex

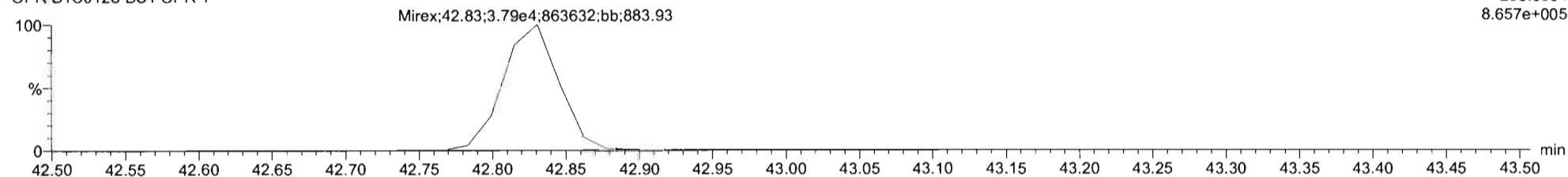
210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
236.8413
1.386e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

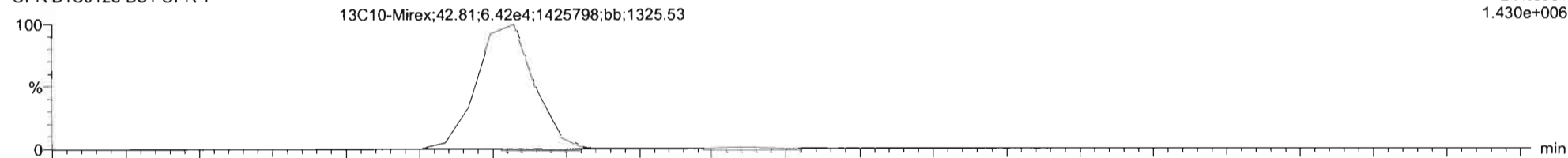
F5:Voltage SIR,EI+
238.8384
8.657e+005



13C10-Mirex

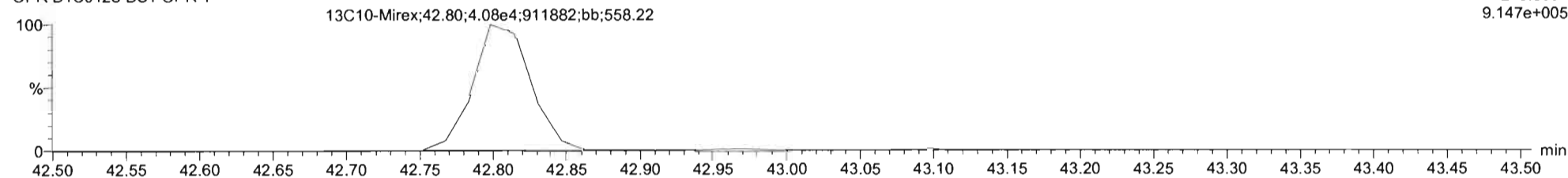
210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
241.8581
1.430e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
243.8551
9.147e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

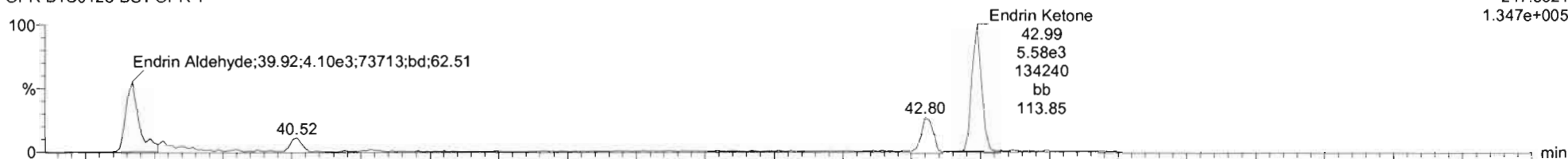
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Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

EA-EK

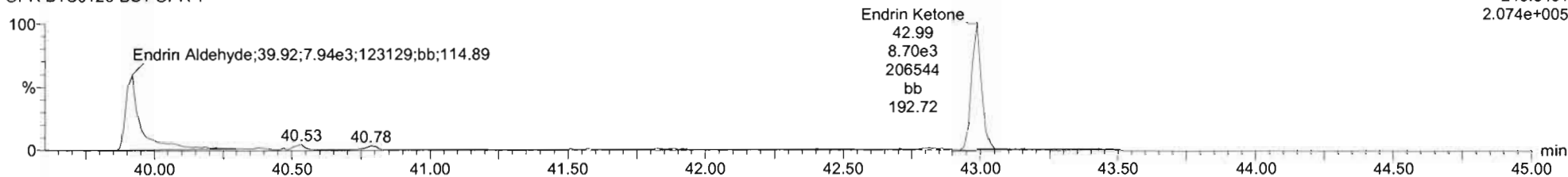
210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
247.8521
1.347e+005



210330R1_6
OPR B1C0128-BS1 OPR 1

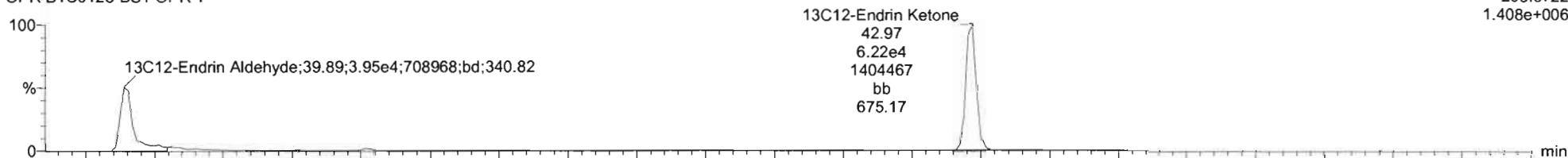
F5:Voltage SIR,EI+
249.8491
2.074e+005



EA-EK-isotopes

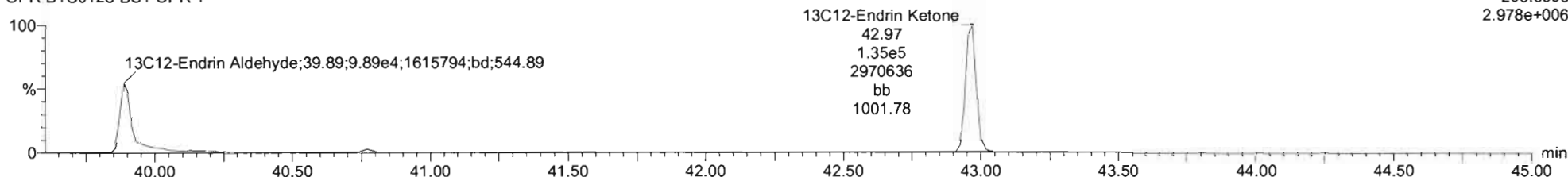
210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
253.8722
1.408e+006

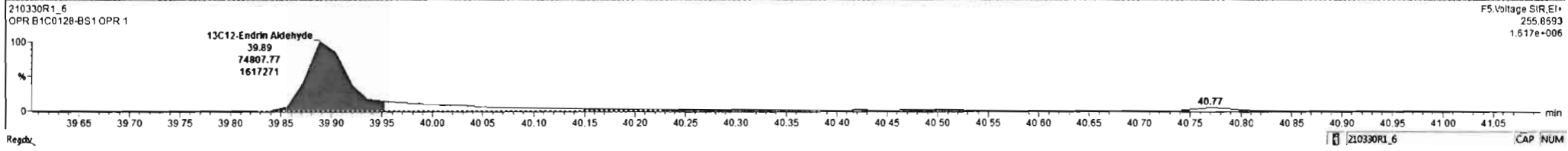
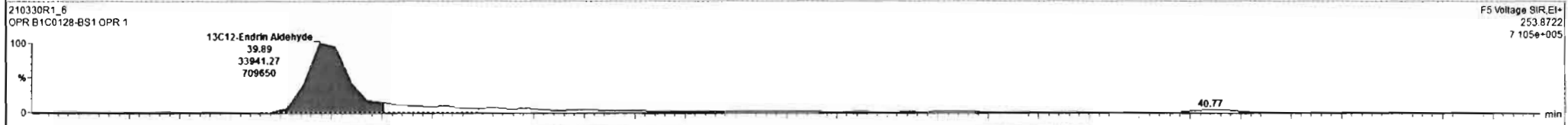
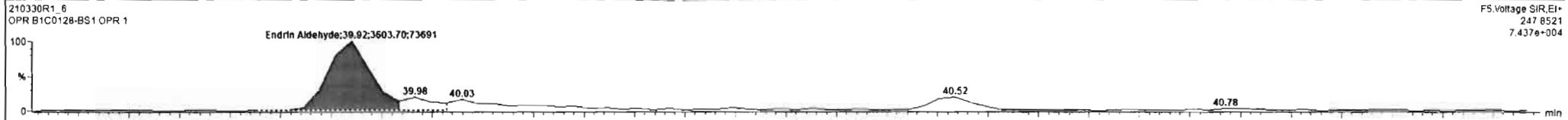


210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
255.8693
2.978e+006



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVal	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
17	4,4'-DDMU	2.27e5	5.90e5	46	3.08	NO	0.4187	1.000	34.51	34.50	0.994	0.994	NO	919	1.25	919	
18	2,4'-DDE	5.65e5	5.90e5	46	1.55	NO	1.0066	1.000	34.72	34.72	1.000	1.000	NO	952	1.12	952	
19	4,4'-DDE	4.17e5	4.32e5	47	1.53	NO	1.0094	1.000	35.85	35.85	1.000	1.000	NO	955	1.47	955	
20	Dieldrin	5.08e4	5.18e4	48	1.73	NO	1.0010	1.000	36.30	36.31	1.001	1.000	NO	980	3.00	980	
21	Endrin	3.79e4	4.02e4	49	1.86	NO	0.9769	1.000	37.71	37.72	1.000	1.000	NO	963	3.97	963	
22	cis-Nonachlor	2.52e4	2.55e4	50	1.62	NO	1.0113	1.000	38.03	38.05	1.001	1.000	NO	974	5.74	974	
23	Endosulfan II (beta)	7.69e3	8.33e3	51	1.52	NO	1.0079	1.000	38.75	38.76	1.000	1.000	NO	917	17.1	917	
24	2,4'-DDD	3.70e5	5.05e5	52	1.48	NO	0.7794	1.000	36.98	36.99	1.000	1.000	NO	941	2.46	941	
25	2,4'-DDT	2.23e5	2.96e5	53	1.55	NO	0.7506	1.000	38.14	38.14	1.000	1.000	NO	1040	4.73	1040	
26	4,4'-DDD	3.33e5	4.15e5	54	1.50	NO	0.8433	1.000	38.28	38.29	1.001	1.000	NO	952	3.16	952	
27	4,4'-DDT	1.93e5	2.43e5	55	1.50	NO	0.8412	1.000	39.36	39.35	1.000	1.000	NO	947	4.58	947	
28	Endosulfan Sulfate	9.73e3	1.15e4	56	1.41	NO	1.0514	1.000	40.50	40.52	1.000	1.000	NO	804	10.9	804	
29	4,4'-Methoxychlor	2.33e5	2.62e6	57	6.09	NO	0.9927	1.000	42.38	42.39	1.000	1.000	NO	897	3.30	897	
30	Mirex	9.79e4	1.05e5	58	1.59	NO	0.9793	1.000	42.84	42.83	1.000	1.000	NO	951	2.41	951	
31	Endrin Aldehyde	9.39e3	1.09e3	59	0.82	NO	0.9721	1.000	39.91	39.92	1.001	1.000	NO	889	25.5	889	



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

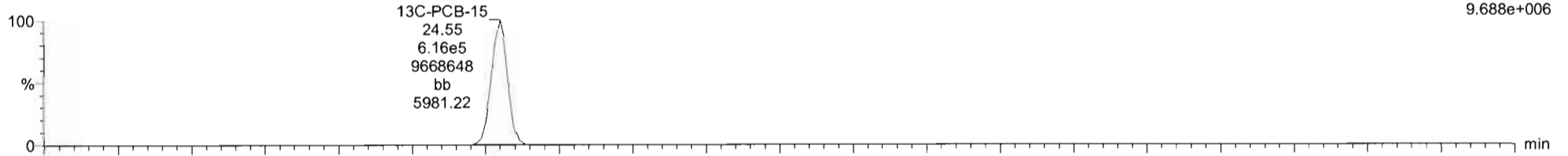
Printed: Thursday, April 01, 2021 15:50:30 Pacific Daylight Time

Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

13C-PCB-15

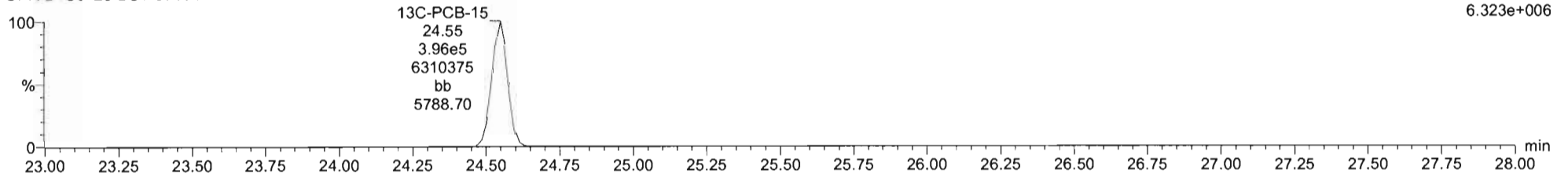
210330R1_6
OPR B1C0128-BS1 OPR 1

F2:Voltage SIR,EI+
234.0406
9.688e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

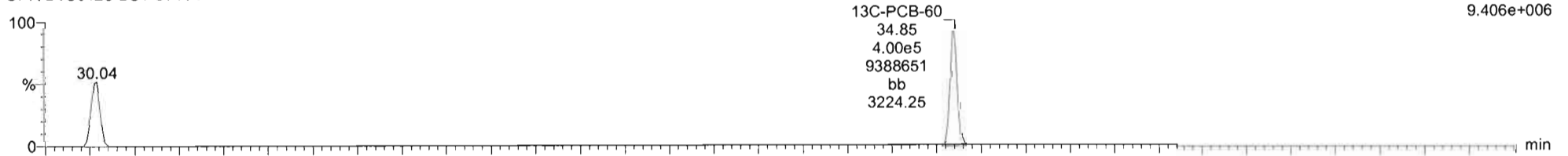
F2:Voltage SIR,EI+
236.0376
6.323e+006



13C-PCB-60

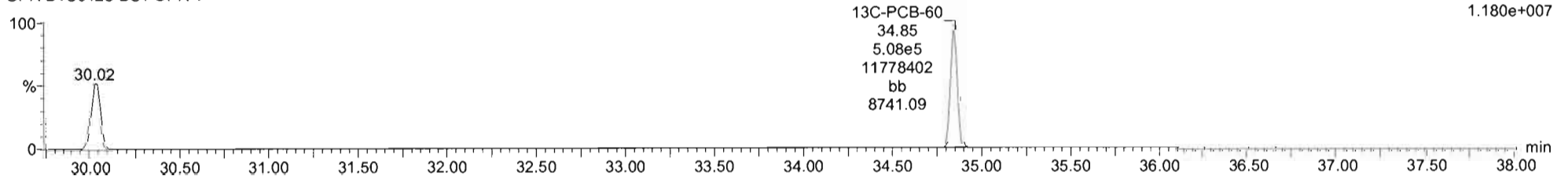
210330R1_6
OPR B1C0128-BS1 OPR 1

F3:Voltage SIR,EI+
301.9626
9.406e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

F3:Voltage SIR,EI+
303.9597
1.180e+007



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

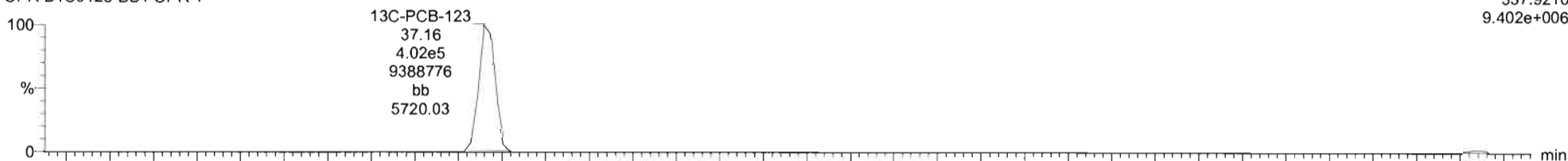
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Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

13C-PCB-123

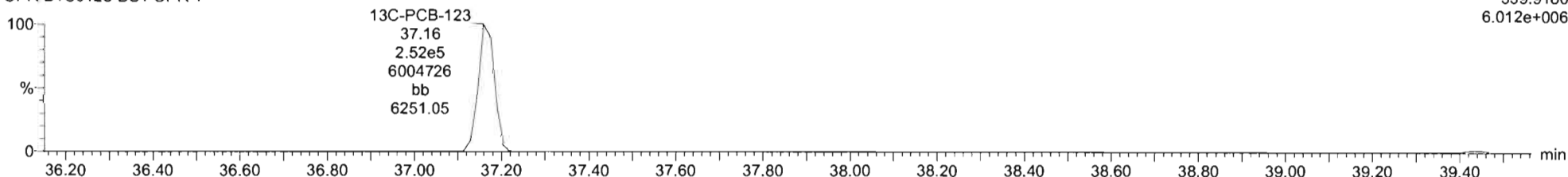
210330R1_6
OPR B1C0128-BS1 OPR 1

F4:Voltage SIR,EI+
337.9210
9.402e+006



210330R1_6
OPR B1C0128-BS1 OPR 1

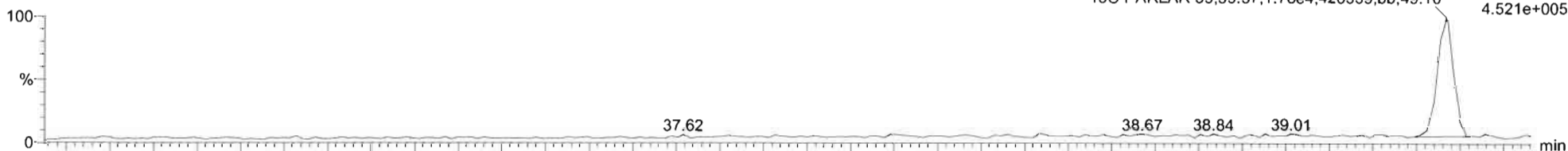
F4:Voltage SIR,EI+
339.9180
6.012e+006



13C-PARLAR 39

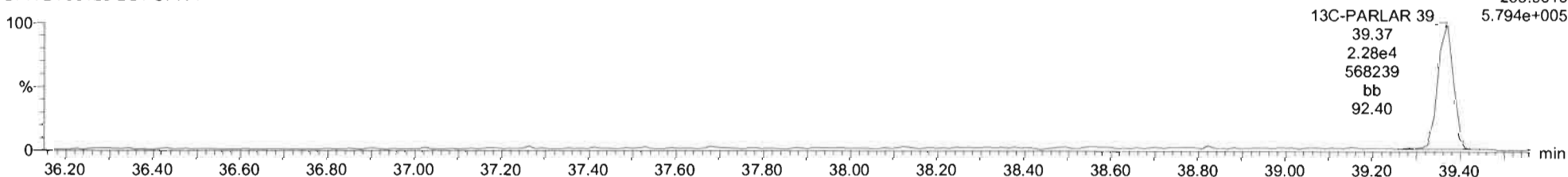
210330R1_6
OPR B1C0128-BS1 OPR 1

F4:Voltage SIR,EI+
251.9648
4.521e+005
13C-PARLAR 39;39.37;1.78e4;426339;bb;49.10



210330R1_6
OPR B1C0128-BS1 OPR 1

F4:Voltage SIR,EI+
253.9619
5.794e+005
13C-PARLAR 39



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_6.qld

Last Altered: Thursday, April 01, 2021 10:13:01 Pacific Daylight Time

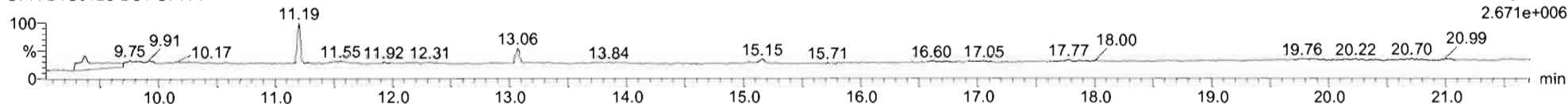
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Name: 210330R1_6, Date: 30-Mar-2021, Time: 14:21:02, ID: B1C0128-BS1 OPR 1, Description: OPR

PFK1

210330R1_6
OPR B1C0128-BS1 OPR 1

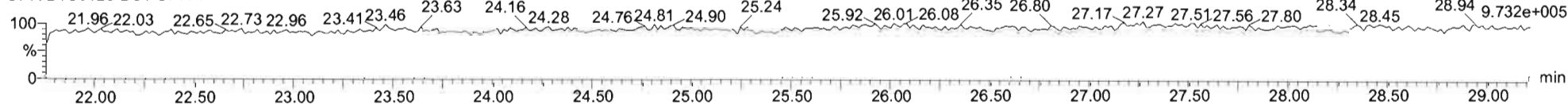
F1:Voltage SIR,EI+
268.9824
2.671e+006



PFK2

210330R1_6
OPR B1C0128-BS1 OPR 1

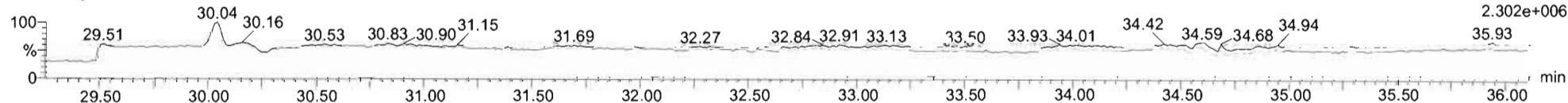
F2:Voltage SIR,EI+
242.9856
9.732e+005



PFK3

210330R1_6
OPR B1C0128-BS1 OPR 1

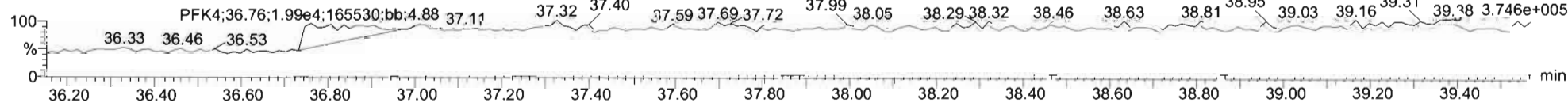
F3:Voltage SIR,EI+
268.9824
2.302e+006



PFK4

210330R1_6
OPR B1C0128-BS1 OPR 1

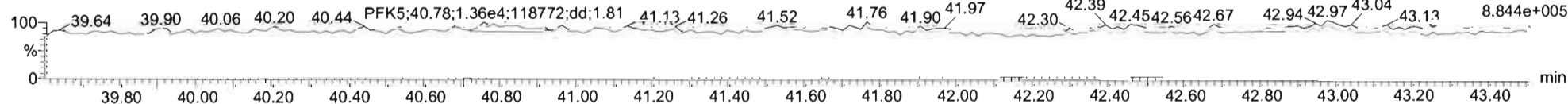
F4:Voltage SIR,EI+
242.9856
3.746e+005



PFK5

210330R1_6
OPR B1C0128-BS1 OPR 1

F5:Voltage SIR,EI+
242.9856
8.844e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

Last Altered: Wednesday, April 07, 2021 9:23:03 AM Pacific Daylight Time
Printed: Wednesday, April 07, 2021 9:25:36 AM Pacific Daylight Time

DF 04/07/21

04/07/2021

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	6.38e2	8.86e4	1.03	NO	0.945	1.005	21.46	21.47	1.001	1.001	NO	7.58		0.262	7.58
2	3 Alpha-BHC		3.38e4		NO	0.781	1.005	21.99			1.002	YES			5.53	
3	4 Lindane (gamma-BHC)		2.69e4		NO	0.790	1.005	25.03			1.001	YES			8.00	
4	5 Beta-BHC		2.04e4		NO	0.925	1.005	27.18			1.000	YES			8.47	
5	6 Delta-BHC		2.33e4		NO	0.863	1.005	28.97			1.001	YES			7.85	
6	7 Heptachlor		1.27e4		NO	1.07	1.005	27.29			1.001	YES			3.90	
7	9 Aldrin		1.86e4		NO	1.09	1.005	29.53			1.001	YES			4.47	
8	10 Oxychlorane		6.06e3		NO	1.08	1.005	32.26			1.001	YES			12.5	
9	11 cis-Heptachlor Epoxide		7.88e3		NO	1.09	1.005	33.06			1.001	YES			8.59	
10	12 trans-Heptachlor Epox...		7.88e3		NO	0.269	1.005	33.54			1.015	YES			34.9	
11	13 trans-Chlordane (gam...		5.55e3		NO	1.13	1.005	34.00			1.001	YES			12.7	
12	14 trans-Nonachlor		5.77e3		NO	1.04	1.005	34.22			1.001	YES			10.9	
13	15 cis-Chlordane	4.27e1	5.77e3	1.52	NO	1.14	1.005	34.69	34.78	1.017	1.015	NO	6.46		10.0	6.46
14	16 Endosulfan I (alpha)		4.91e3		NO	1.12	1.005	34.80			1.001	YES			11.4	
15	18 2,4'-DDE		1.81e5		NO	1.01	1.005	34.72			1.000	YES			2.76	
16	19 4,4'-DDE		1.13e5		NO	1.01	1.005	35.83			1.000	YES			4.01	
17	20 Dieldrin	4.07e1	1.21e4	0.84	YES	1.00	1.005	36.29	36.30	1.001	1.000	NO	3.35		2.61	2.51
18	21 Endrin		8.94e3		NO	0.977	1.005	37.69			1.000	YES			3.51	
19	22 cis-Nonachlor		6.17e3		NO	1.01	1.005	38.03			1.000	YES			4.81	
20	23 Endosulfan II (beta)		2.22e3		NO	1.01	1.005	38.75			1.000	YES			13.3	
21	24 2,4'-DDD		1.20e5		NO	0.779	1.005	36.97			1.000	YES			5.85	
22	25 2,4'-DDT		6.59e4		NO	0.751	1.005	38.13			1.000	YES			10.3	
23	26 4,4'-DDD		9.48e4		NO	0.843	1.005	38.28			1.000	YES			6.34	
24	27 4,4'-DDT	6.04e2	5.33e4	0.71	YES	0.841	1.005	39.35	39.34	1.000	1.000	NO	13.4		11.3	9.18
25	28 Endosulfan Sulfate		2.72e3		NO	1.05	1.005	40.50			1.000	YES			23.3	
26	29 4,4'-Methoxychlor		5.60e5		NO	0.993	1.005	42.38			1.000	YES			6.83	
27	30 Mirex		2.79e4		NO	0.979	1.005	42.82			1.000	YES			4.65	
28	31 Endrin Aldehyde		1.80e4		NO	0.972	1.005	39.91			1.000	YES			52.7	
29	32 Endrin Ketone		4.30e4		NO	0.855	1.005	42.96			1.000	YES			21.0	
30	34 13C6-Hexachlorobenz...	8.86e4	3.28e5	1.27	NO	0.664	1.005	21.44	21.44	0.873	0.873	NO	404	40.6	0.175	
31	35 13C6-Alpha-BHC	3.38e4	3.28e5	0.78	NO	0.223	1.005	21.94	21.95	0.894	0.894	NO	458	46.0	4.33	

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

Last Altered: Wednesday, April 07, 2021 9:23:03 AM Pacific Daylight Time

Printed: Wednesday, April 07, 2021 9:25:36 AM Pacific Daylight Time

Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

	#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32	36	13C6-Lindane (gamma)	2.69e4	3.28e5	0.79	NO	0.168	1.005	25.00	25.00	1.018	1.018	NO	484	48.7	5.74	
33	37	13C6-Beta-BHC	2.04e4	3.28e5	0.73	NO	0.129	1.005	27.17	27.17	1.107	1.107	NO	478	48.0	7.48	
34	38	13C6-Delta-BHC	2.33e4	3.28e5	0.75	NO	0.151	1.005	28.95	28.95	1.179	1.179	NO	468	47.1	6.41	
35	39	13C10-Heptachlor	1.27e4	3.28e5	1.29	NO	0.0852	1.005	27.28	27.27	1.111	1.111	NO	452	45.4	1.57	
36	40	13C12-Aldrin	1.86e4	3.28e5	1.84	NO	0.135	1.005	29.51	29.50	1.202	1.202	NO	418	42.0	2.41	
37	41	13C10-Oxychlorane	6.06e3	3.28e5	1.87	NO	0.0343	1.005	32.23	32.24	1.313	1.313	NO	536	53.9	9.51	
38	42	13C10-cis-Heptachlor .	7.88e3	3.28e5	1.55	NO	0.0445	1.005	33.04	33.04	1.346	1.346	NO	536	53.9	7.32	
39	43	13C10-trans-Chlordan...	5.55e3	3.28e5	1.45	NO	0.0305	1.005	33.99	33.98	1.384	1.385	NO	551	55.3	10.7	
40	44	13C10-trans-Nonachlor	5.77e3	3.28e5	1.56	NO	0.0356	1.005	34.20	34.20	1.393	1.393	NO	492	49.4	9.16	
41	45	13C9-Endosulfan I (al...	4.91e3	3.28e5	1.75	NO	0.0263	1.005	34.78	34.78	1.417	1.417	NO	565	56.8	12.4	
42	46	13C12-2,4'-DDE	1.81e5	3.28e5	1.59	NO	0.875	1.005	34.71	34.71	0.996	0.996	NO	628	63.2	4.72	
43	47	13C12-4,4'-DDE	1.13e5	3.28e5	1.66	NO	0.637	1.005	35.82	35.82	1.028	1.028	NO	540	54.2	6.48	
44	48	13C12-Dieldrin	1.21e4	3.28e5	1.69	NO	0.0741	1.005	36.27	36.27	1.041	1.041	NO	494	49.6	6.86	
45	49	13C12-Endrin	8.94e3	3.28e5	1.67	NO	0.0648	1.005	37.69	37.69	1.082	1.082	NO	418	42.0	7.84	
46	50	13C10-cis-Nonachlor	6.17e3	3.28e5	1.61	NO	0.0408	1.005	38.01	38.02	1.091	1.091	NO	459	46.1	12.5	
47	51	13C9-Endosulfan II	2.22e3	3.28e5	1.46	NO	0.0130	1.005	38.73	38.75	1.112	1.112	NO	516	51.9	39.0	
48	52	13C12-2,4'-DDD	1.20e5	3.28e5	1.60	NO	0.687	1.005	36.97	36.97	1.506	1.506	NO	532	53.4	4.25	
49	53	13C12-2,4'-DDT	6.59e4	3.28e5	1.58	NO	0.383	1.005	38.11	38.11	1.552	1.552	NO	522	52.5	7.63	
50	54	13C12-4,4'-DDD	9.48e4	3.28e5	1.60	NO	0.592	1.005	38.24	38.26	1.558	1.558	NO	485	48.8	4.93	
51	55	13C12-4,4'-DDT	5.33e4	3.28e5	1.72	NO	0.281	1.005	39.33	39.33	1.602	1.602	NO	574	57.7	10.4	
52	56	13C9-Endosulfan Sulf ..	2.72e3	3.28e5	1.57	NO	0.0163	1.005	40.49	40.50	1.163	1.162	NO	504	50.7	28.3	
53	57	13C12-Methoxychlor	5.60e5	3.28e5	22.62	NO	0.297	1.005	42.36	42.38	1.216	1.216	NO	5710	57.4	18.8	
54	58	13C10-Mirex	2.79e4	3.28e5	1.54	NO	0.177	1.005	42.80	42.80	1.229	1.229	NO	477	48.0	3.98	
55	59	13C12-Endrin Aldehyde	1.80e4	3.28e5	0.51	NO	0.0292	1.005	39.88	39.89	1.145	1.145	NO	1870	18.8	42.1	
56	60	13C12-Endrin Ketone	4.30e4	3.28e5	0.46	NO	0.0271	1.005	42.94	42.96	1.233	1.232	NO	4800	48.3	45.4	
57	62	13C-PCB-15	3.28e5	3.28e5	1.57	NO	1.00	1.005	24.55	24.55	1.000	1.000	NO	995	100	0.832	

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

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Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

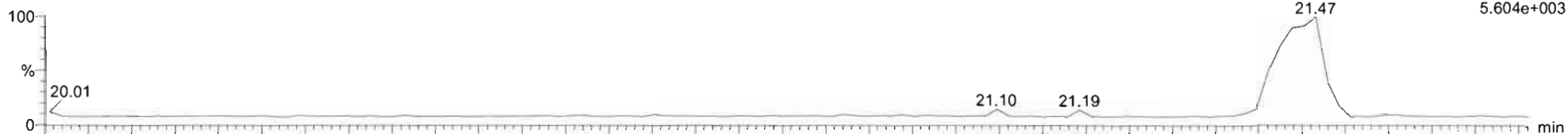
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Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

Hexachlorobenzene

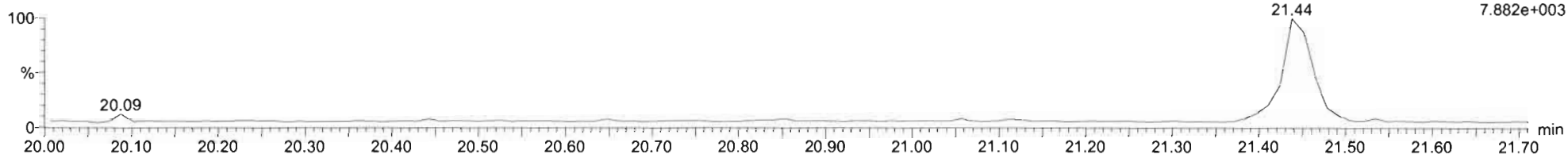
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F1:Voltage SIR,EI+
283.8102
5.604e+003



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

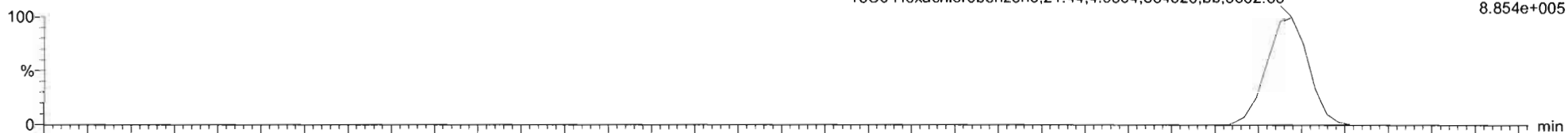
F1:Voltage SIR,EI+
285.8072
7.882e+003



¹³C6-Hexachlorobenzene

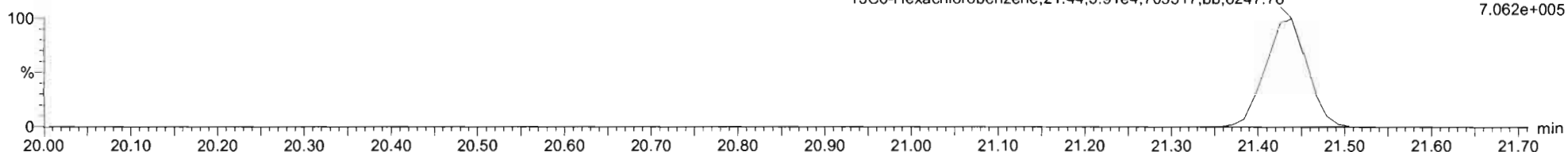
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F1:Voltage SIR,EI+
289.8303
8.854e+005



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F1:Voltage SIR,EI+
291.8273
7.062e+005



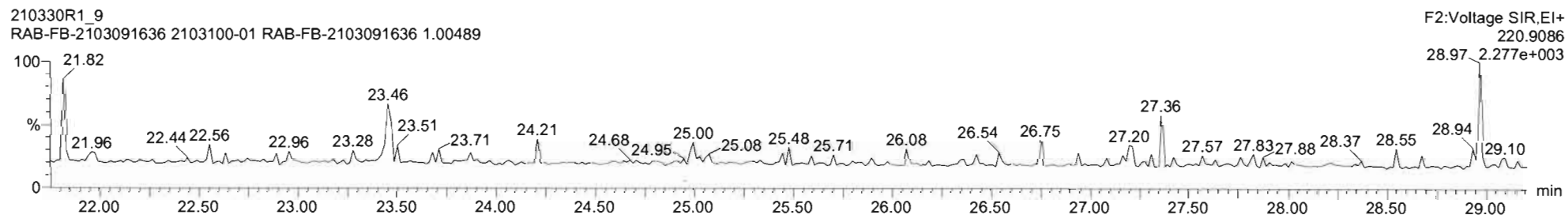
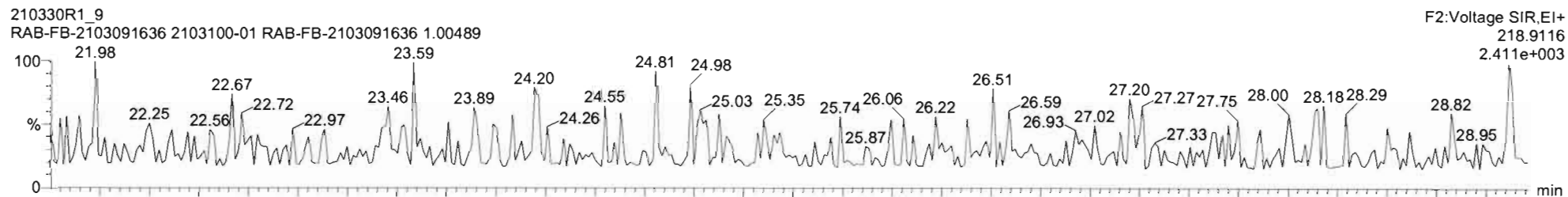
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Last Altered: Thursday, April 01, 2021 10:14:19 Pacific Daylight Time

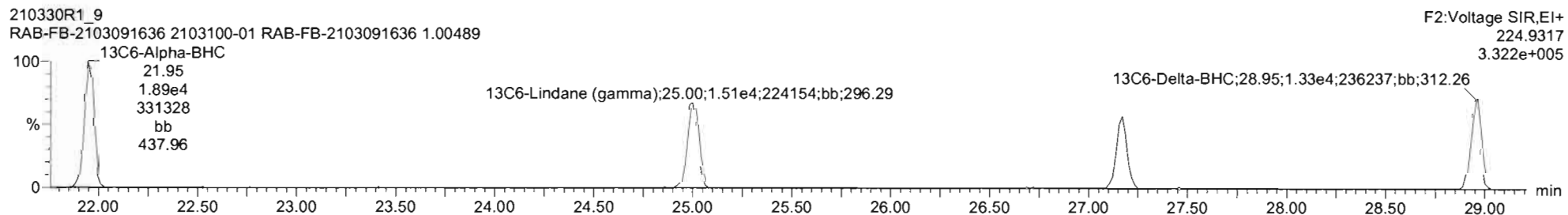
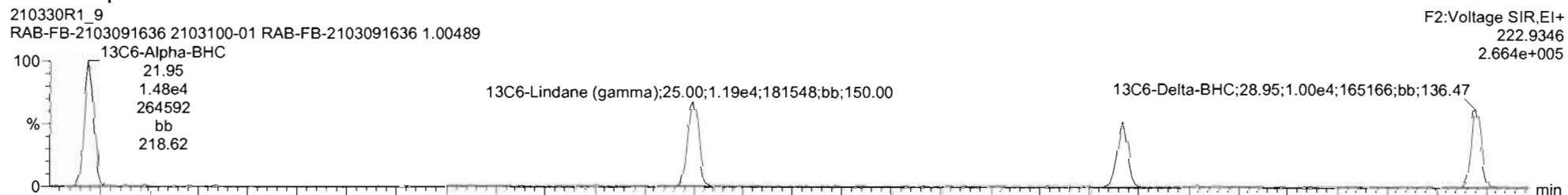
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Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

BHC Totals



BHC-isotopes



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

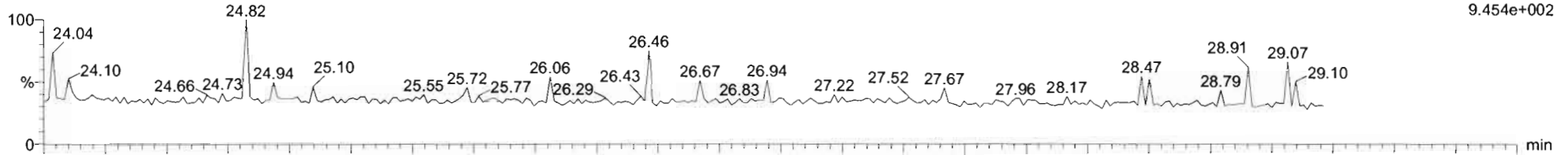
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Printed: Thursday, April 01, 2021 15:51:07 Pacific Daylight Time

Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

Heptachlor

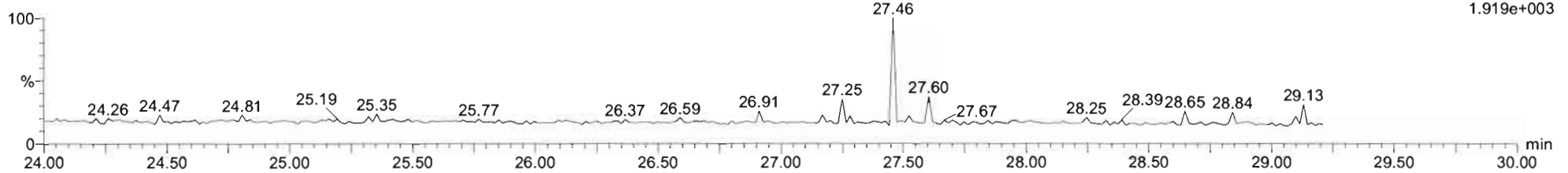
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F2:Voltage SIR,EI+
271.8102
9.454e+002



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

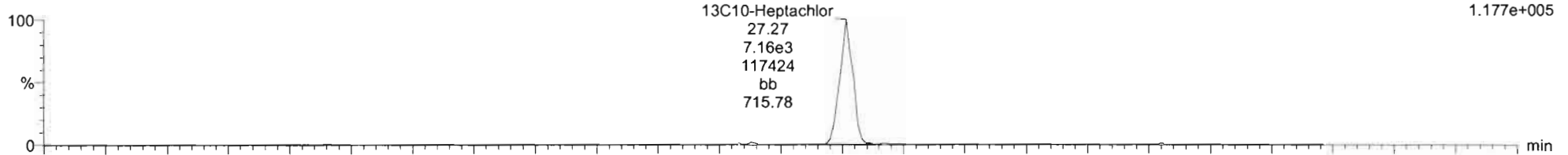
F2:Voltage SIR,EI+
273.8072
1.919e+003



13C10-Heptachlor

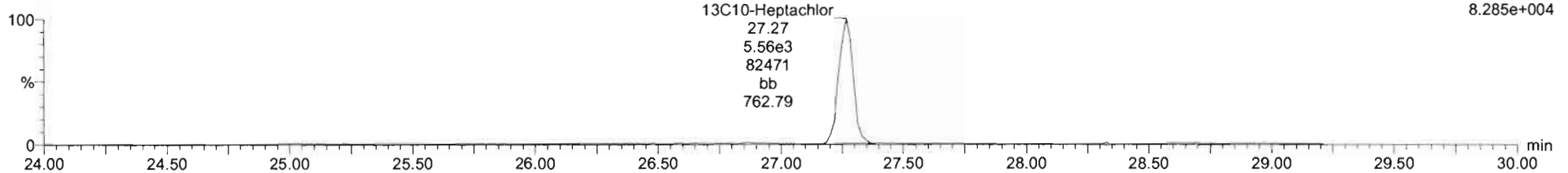
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F2:Voltage SIR,EI+
276.8269
1.177e+005



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F2:Voltage SIR,EI+
278.8240
8.285e+004



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

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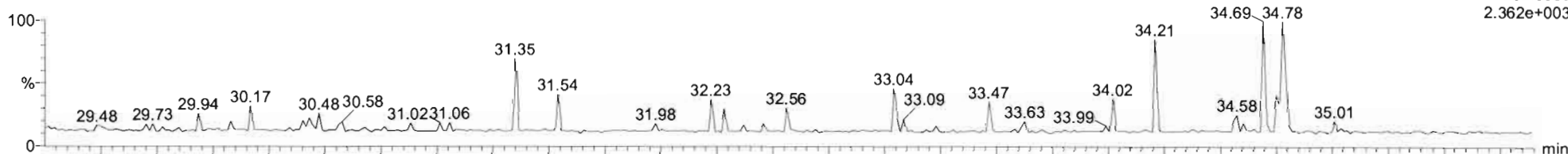
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Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

Aldrin-EI

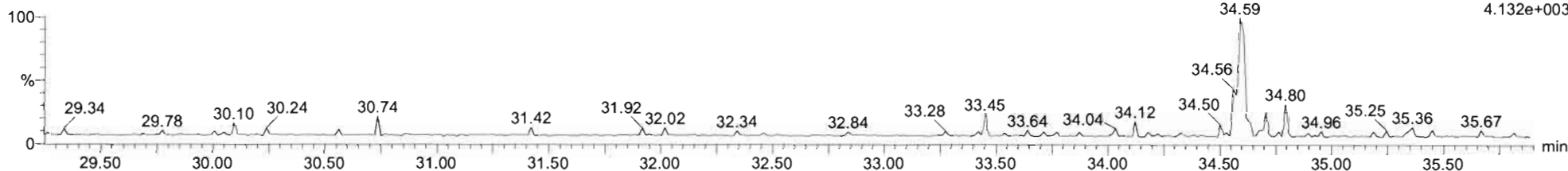
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F3:Voltage SIR,EI+
262.8569
2.362e+003



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

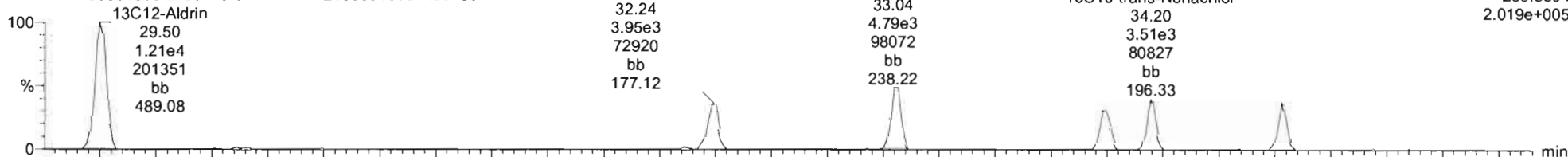
F3:Voltage SIR,EI+
264.8550
4.132e+003



Aldrin-EI-isotopes

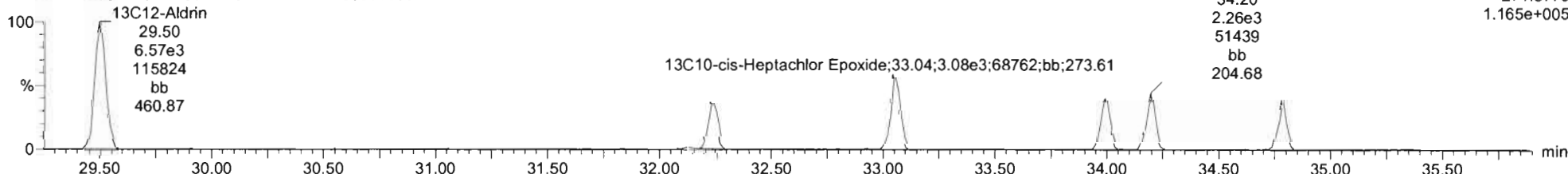
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F3:Voltage SIR,EI+
269.8804
2.019e+005



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F3:Voltage SIR,EI+
271.8775
1.165e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

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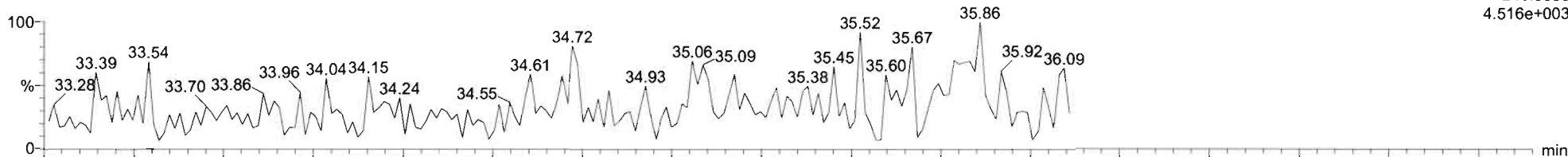
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Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

DDMU-DDE

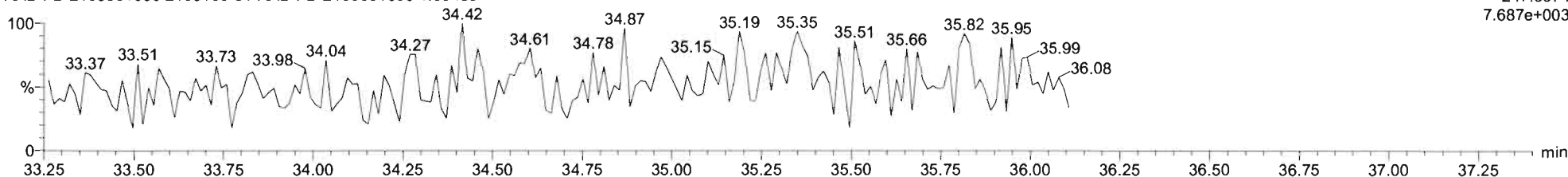
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F3:Voltage SIR,EI+
246.0003
4.516e+003



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

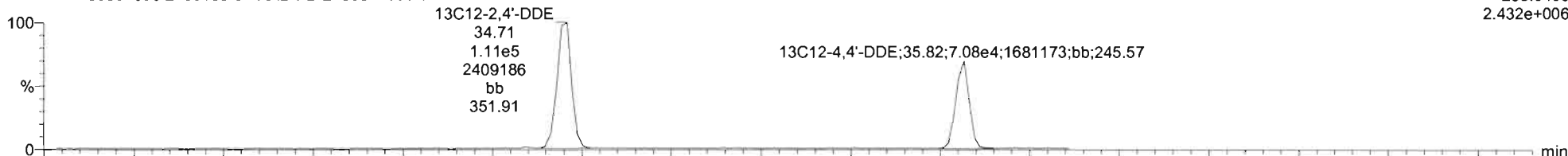
F3:Voltage SIR,EI+
247.9974
7.687e+003



DDE-isotopes

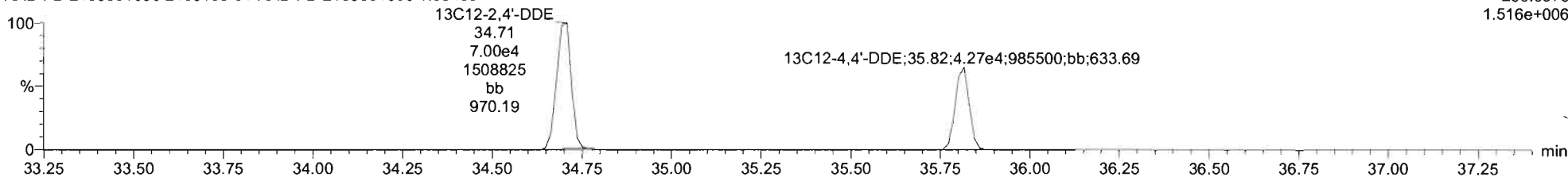
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F3:Voltage SIR,EI+
258.0406
2.432e+006



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F3:Voltage SIR,EI+
260.0376
1.516e+006



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

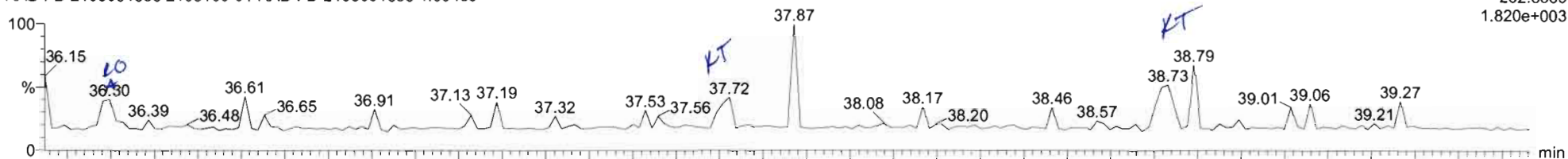
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Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

Dieldrin-EII

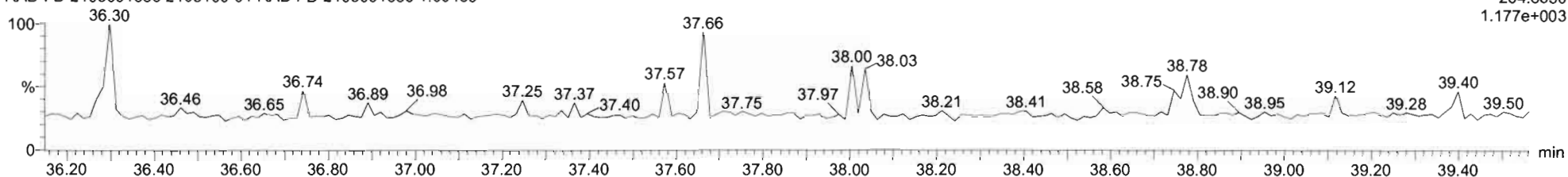
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F4:Voltage SIR,EI+
262.8569
1.820e+003



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

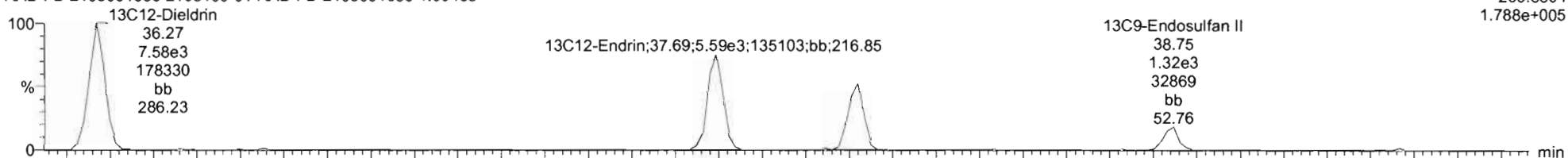
F4:Voltage SIR,EI+
264.8550
1.177e+003



Dieldrin-EII-isotopes

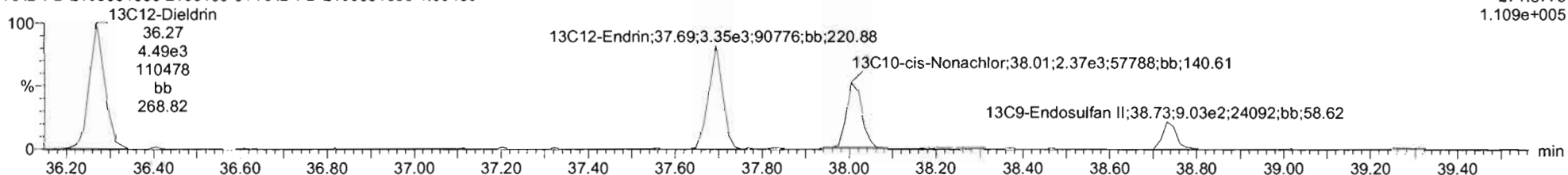
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F4:Voltage SIR,EI+
269.8804
1.788e+005

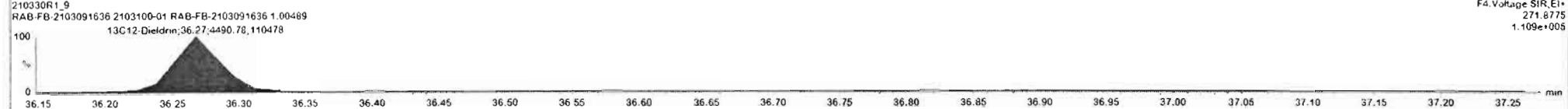
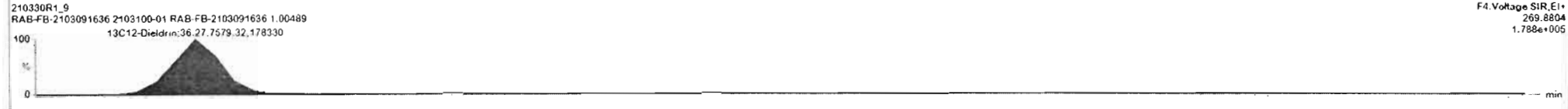
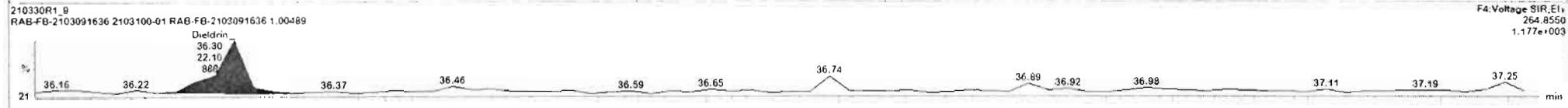
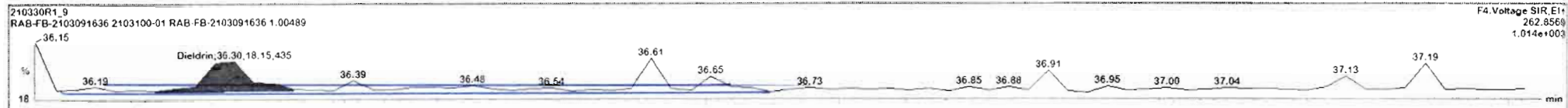


210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F4:Voltage SIR,EI+
271.8775
1.109e+005



#	Name	Resp	IS Resp	IS	RA	isj	RRF	wt/wt	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 Hexachlorobutadiene	1.35e3	1.19e5	33	0.29	YES	0.0372	1.005	9.52	9.53	1.001	1.000	NO	1780		7.53	719
2	2 Hexachlorobenzene	6.35e2	5.80e4	34	1.03	NO	0.9446	1.005	21.46	21.47	1.001	1.001	NO	7.58		0.262	7.58
3	3 Alpha-BHC		3.35e4	35		NO	0.7311	1.005	21.99			1.002	YES			5.53	
4	4 Lindane (gamma-BHC)		2.69e4	36		NO	0.7396	1.005	25.03			1.001	YES			5.00	
5	5 Beta-BHC		2.04e4	37		NO	0.9247	1.005	27.18			1.000	YES			6.47	
6	6 Delta-BHC		2.33e4	38		NO	0.8627	1.005	28.37			1.001	YES			7.65	
7	7 Heptachlor		1.27e4	39		NO	1.0692	1.005	27.25			1.001	YES			3.50	
8	8 4,4'-DDMU		2.33e4	38		NO	1.1414	1.005	28.37			0.997	YES			12.9	
9	9 Aldrin		1.85e4	40		NO	1.0884	1.005	29.53			1.001	YES			4.47	
10	10 DDT		6.06e3	41		NO	1.0838	1.005	32.06			1.001	YES			12.5	
11	11 Cis-Heptachlor Epoxide		7.88e3	42		NO	1.0916	1.005	33.06			1.001	YES			8.59	
12	12 Trans-Heptachlor Epoxide		7.88e3	42		NO	0.2687	1.005	33.54			1.015	YES			34.9	
13	13 trans-Chlordane (gemm.)		5.55e3	43		NO	1.1262	1.005	34.00			1.001	YES			12.7	
14	14 trans-Dieldrin		5.77e3	44		NO	1.0415	1.005	34.22			1.001	YES			10.9	
15	15 cis-Chlordane	4.27e1	5.77e3	44	1.52	NO	1.1285	1.005	34.69	34.78	1.017	1.015	NO	8.48		10.0	6.46
16	16 Endosulfan I (alpha)		4.91e3	45		NO	1.1176	1.005	34.80			1.001	YES			11.4	
17	17 4,4'-DDMU		1.81e5	46		NO	0.4187	1.005	34.51			0.994	YES			2.91	
18	18 2,4-DCE		1.81e5	46		NO	1.0956	1.005	34.72			1.000	YES			2.76	



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

Last Altered: Thursday, April 01, 2021 10:14:19 Pacific Daylight Time

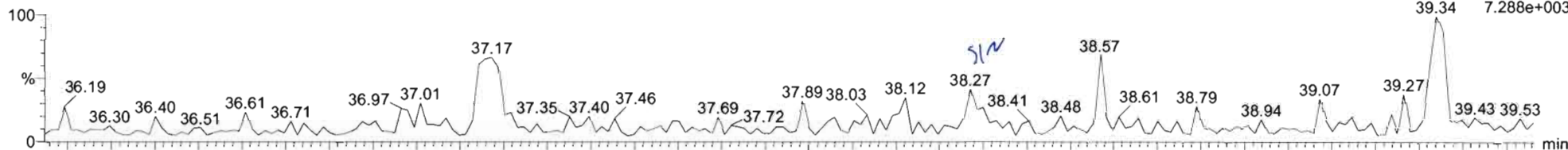
Printed: Thursday, April 01, 2021 15:51:07 Pacific Daylight Time

Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

DDD-DDT

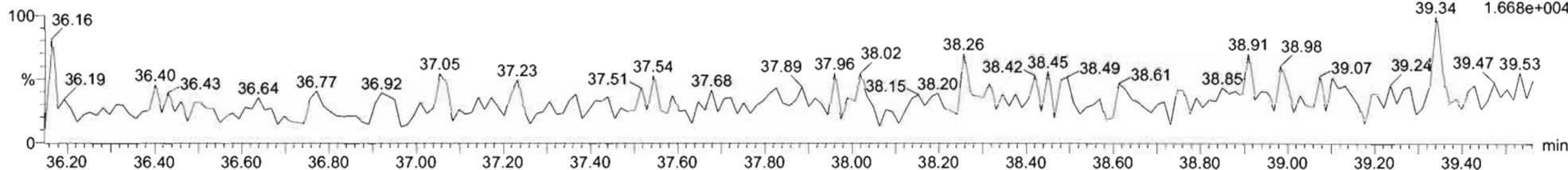
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

20
X
F4:Voltage SIR,EI+
235.0081
39.34 7.288e+003



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

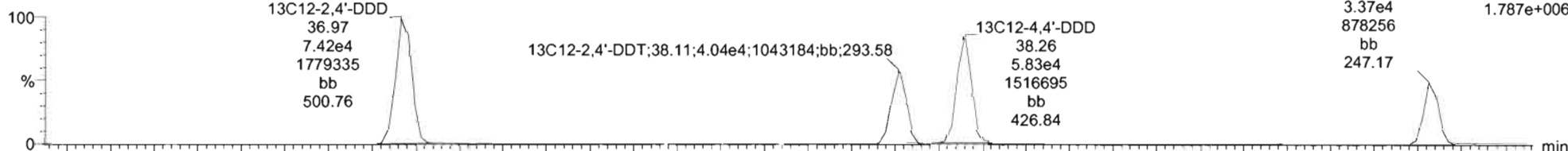
F4:Voltage SIR,EI+
237.0052
39.34 1.668e+004



DDD-DDT-isotopes

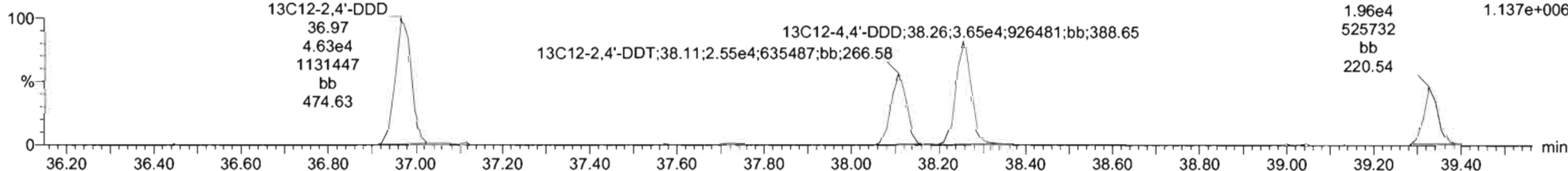
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

13C12-4,4'-DDT F4:Voltage SIR,EI+
39.33 247.0484
3.37e4 1.787e+006
878256
bb
247.17

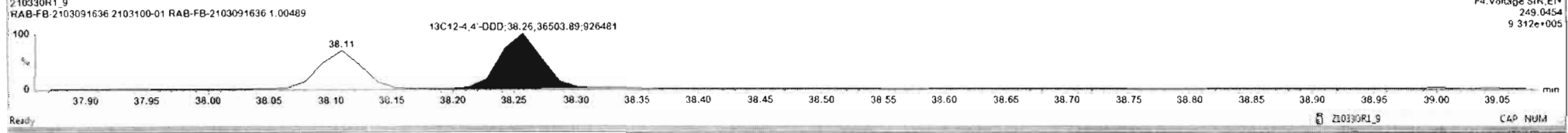
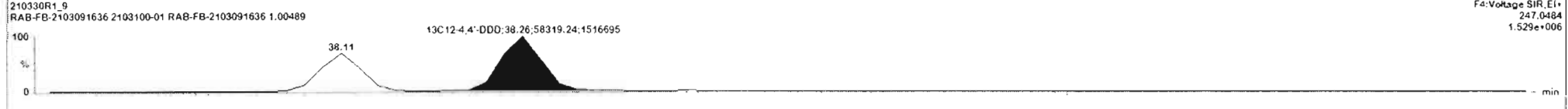
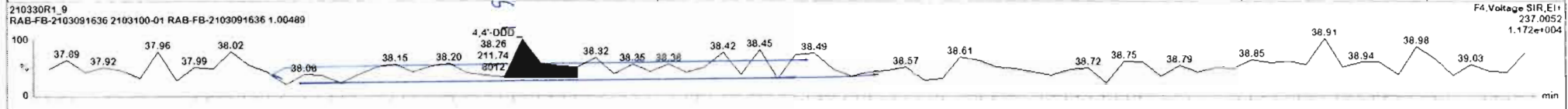
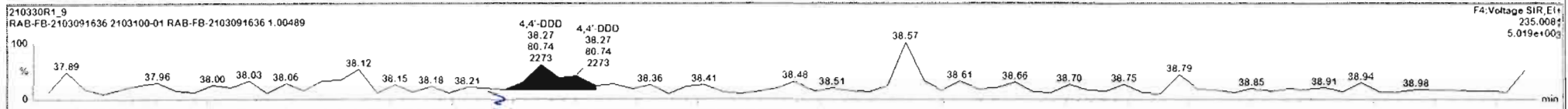


210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

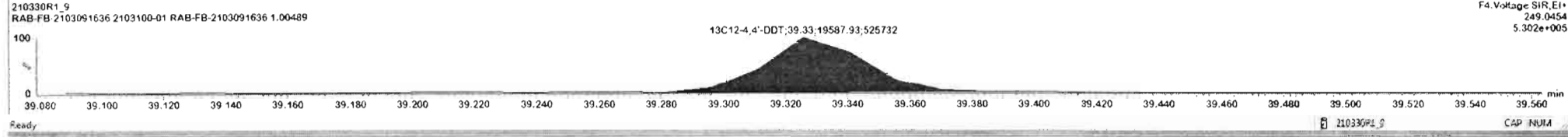
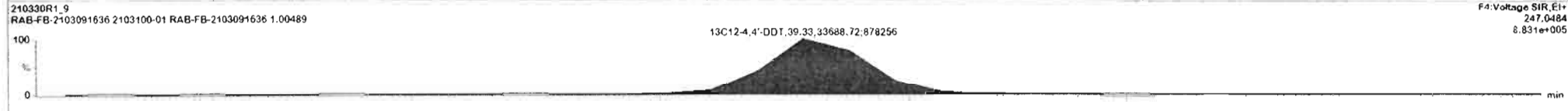
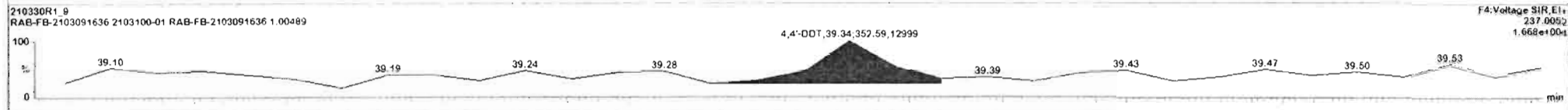
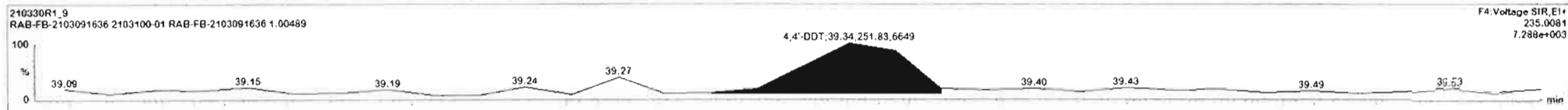
13C12-4,4'-DDT F4:Voltage SIR,EI+
39.33 249.0454
1.96e4 1.137e+006
525732
bb
220.54



#	Name	Resp	S Resp	IS#	RA	nly	RF	wtval	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
24	2,4-DDD		1.20e5	52		NO	0.7794	1.005	36.97			1.000	YES			5.85	
25	2,4-DDT		6.59e4	53		NO	0.7500	1.005	38.13			1.000	YES			10.3	
26	4,4-DDD	2.92e2	9.49e4	54	0.38	YES	0.8433	1.005	38.28	38.27	1.000	1.000	NO	3.84	6.34	1.05	
27	4,4-DDT	5.34e2	5.33e4	55	0.60	YES	0.8412	1.005	39.35	39.34	1.000	1.000	NO	11.8	11.3	8.27	
28	Endosulfan Sulfate		2.72e3	58		NO	1.0514	1.005	40.50			1.000	YES			23.3	
29	4,4-Methoxychlor		5.60e5	57		NO	0.9927	1.005	42.38			1.000	YES			6.83	
30	Mirex		2.79e4	58		NO	0.9753	1.005	42.82			1.000	YES			4.65	
31	Endrin Aldehyde		1.80e4	59		NO	0.9721	1.005	35.91			1.000	YES			52.7	
32	Endrin Ketone		4.30e4	60		NO	0.8551	1.005	42.95			1.000	YES			21.0	
33	13C4-Hexachlorobutadi	1.19e5	3.28e5	62	1.21	NO	0.6833	1.005	9.52	0.388	0.391	YES	YES	43.70	43.6	1.02	
34	13C6-Hexachlorobenz.	8.86e4	3.28e5	62	1.27	NO	0.8645	1.005	21.44	0.873	0.873	NO	NO	404	40.6	0.175	
35	13C6-Alpha-BHC	0.35e4	3.28e5	62	0.78	NO	0.2234	1.005	21.94	21.95	0.894	0.894	NO	458	46.0	4.33	
36	13C6-Lindane (gamma)	2.69e4	3.28e5	62	0.79	NO	0.1684	1.005	25.00	25.00	1.018	1.018	NO	484	48.7	5.74	
37	13C6-Beta-BHC	2.94e4	3.28e5	62	0.73	NO	0.1291	1.005	27.17	27.17	1.107	1.107	NO	478	48.0	7.48	
38	13C6-Delta-BHC	2.33e4	3.28e5	62	0.75	NO	0.1507	1.005	28.95	28.95	1.179	1.179	NO	468	47.1	6.41	
39	13C10-Heptachlor	1.27e4	3.28e5	62	1.29	NO	0.0852	1.005	27.28	27.27	1.111	1.111	NO	452	45.4	1.57	
40	13C12-Adam	1.66e4	3.28e5	62	1.84	NO	0.1351	1.005	29.51	29.50	1.202	1.202	NO	418	42.0	2.41	
41	13C10-Oxychlorane	6.08e3	3.28e5	62	1.87	NO	0.0343	1.005	32.23	32.24	1.313	1.313	NO	508	53.8	9.51	



#	name	Resp	IS Resp	ISE	RA	ny	RRF	wVal	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc	%Rec	DL	EMPC
24	2,4- DDD		1.20e5	52		NO	0.7784	1.005	36.97			1.000	YES			5.45	
25	2,4- DDT		6.59e4	53		NO	0.7500	1.005	38.13			1.000	YES			10.3	
26	4,4- DDD	2.92e2	9.48e4	54	0.38	YES	0.6433	1.005	38.28	38.27	1.000	1.000	NO	3.64		6.34	1.65
27	4,4- DDT	6.04e2	5.33e4	55	0.71	YES	0.6412	1.005	39.35	39.34	1.000	1.000	NO	13.4		11.3	5.18
28	Endosulfat Sulfate		2.72e3	56		NO	1.0514	1.005	40.50			1.000	YES			22.3	
29	4,4-Methoxychlor		5.80e5	57		NO	0.9927	1.005	42.38			1.000	YES			6.83	
30	Mirex		2.79e4	58		NO	0.9793	1.005	42.92			1.000	YES			4.63	
31	Endrin Aldehyde		1.80e4	59		NO	0.9721	1.005	39.91			1.000	YES			52.7	
32	Endrin Ketone		4.30e4	60		NO	0.6551	1.005	42.95			1.000	YES			21.0	
33	13C4-Hexachlorobutadi	1.19e5	3.28e5	62	1.21	NO	0.0833	1.005	9.61	9.52	0.388	0.391	YES	4333	43.5	1.02	
34	13C6-Hexachlorobenz	8.86e4	3.28e5	62	1.27	NO	0.6645	1.005	21.44	21.44	0.873	0.873	NO	454	49.6	0.175	
35	13C8-Alpha-BHC	3.38e4	3.28e5	62	0.78	NO	0.2234	1.005	21.94	21.95	0.094	0.094	NO	459	48.0	4.33	
36	13C8-Lindane (gamma)	2.69e4	3.28e5	62	0.79	NO	0.1684	1.005	25.00	25.00	1.018	1.018	NO	404	48.7	5.74	
37	13C6-Beta-BHC	2.34e4	3.28e5	62	0.73	NO	0.1291	1.005	27.17	27.17	1.107	1.107	NO	479	48.0	7.40	
38	13C6-Delta-BHC	2.33e4	3.28e5	62	0.75	NO	0.1007	1.005	28.95	28.95	1.179	1.179	NO	468	47.1	6.41	
39	13C10-Heptachlor	1.27e4	3.28e5	62	1.29	NO	0.0852	1.005	27.28	27.27	1.111	1.111	NO	452	45.4	1.57	
40	13C12-Arochl	1.86e4	3.28e5	62	1.84	NO	0.1351	1.005	29.51	29.50	1.202	1.202	NO	418	42.0	2.41	
41	13C10-Octachlorane	6.06e3	3.28e5	62	1.87	NO	0.0343	1.005	32.23	32.24	1.213	1.213	NO	536	53.9	9.51	



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

Last Altered: Thursday, April 01, 2021 10:14:19 Pacific Daylight Time

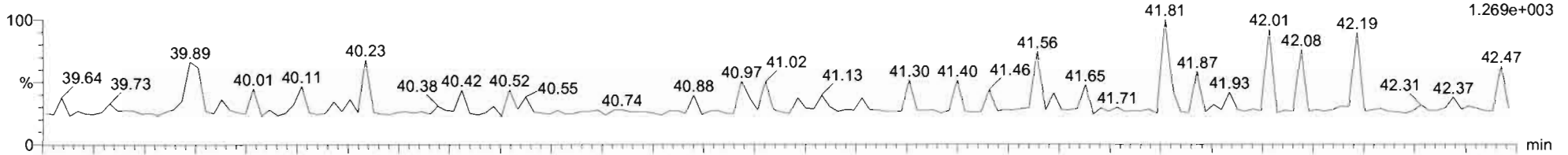
Printed: Thursday, April 01, 2021 15:51:07 Pacific Daylight Time

Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

Endosulfan Sulfate

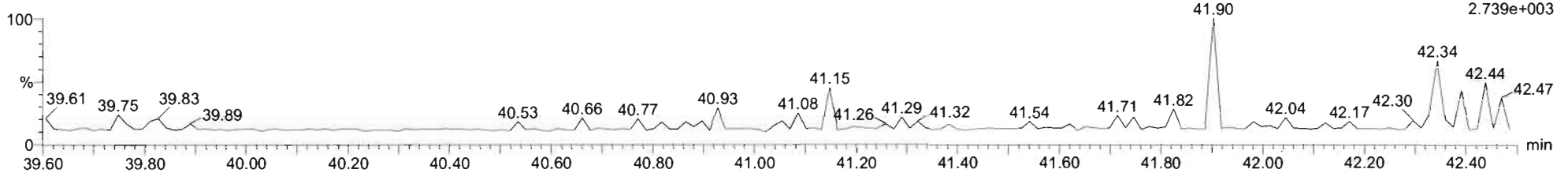
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F5:Voltage SIR,EI+
262.8569
1.269e+003



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

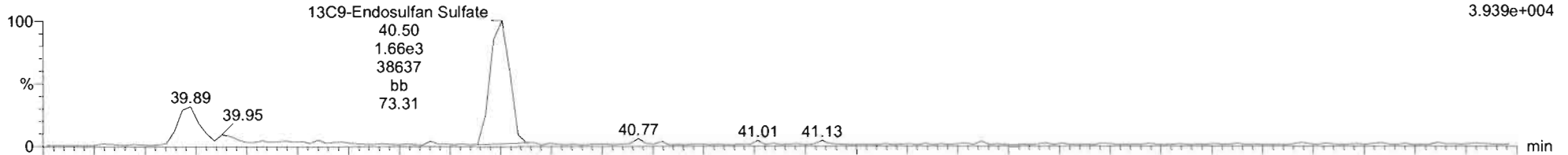
F5:Voltage SIR,EI+
264.8540
2.739e+003



¹³C9-Endosulfan Sulfate

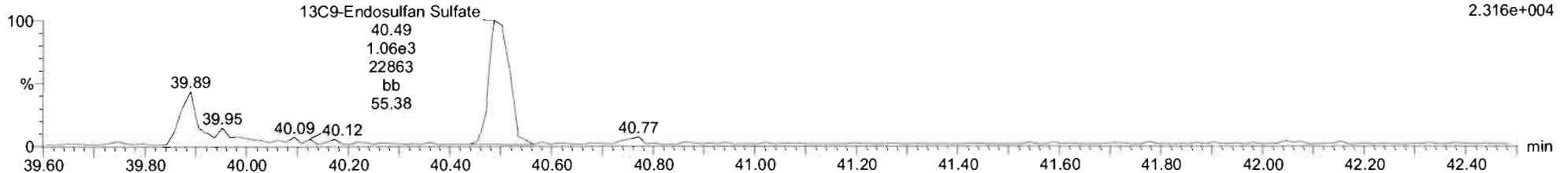
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F5:Voltage SIR,EI+
269.8804
3.939e+004



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F5:Voltage SIR,EI+
271.8775
2.316e+004



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

Last Altered: Thursday, April 01, 2021 10:14:19 Pacific Daylight Time

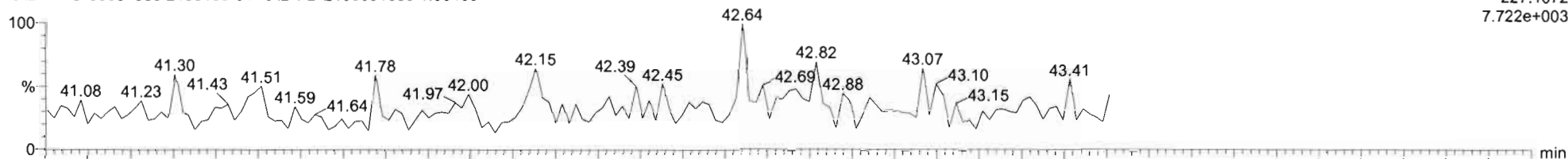
Printed: Thursday, April 01, 2021 15:51:07 Pacific Daylight Time

Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

4,4'-Methoxychlor

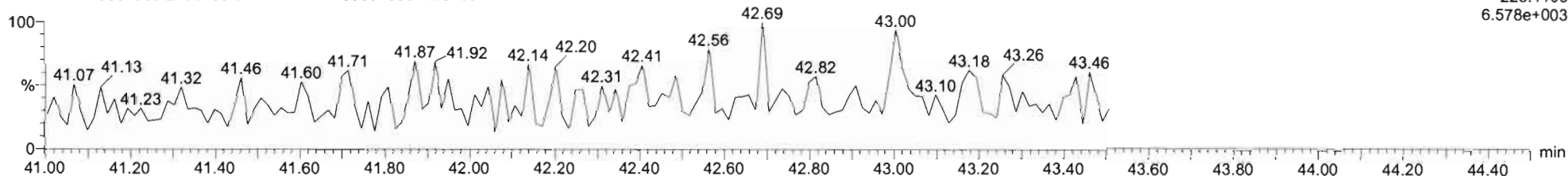
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F5:Voltage SIR,EI+
227.1072
7.722e+003



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

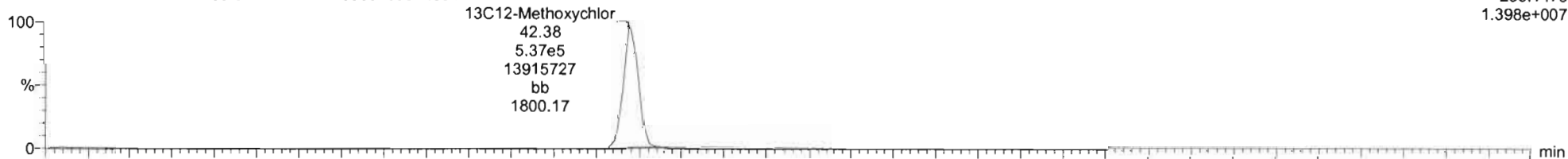
F5:Voltage SIR,EI+
228.1106
6.578e+003



13C12-Methoxychlor

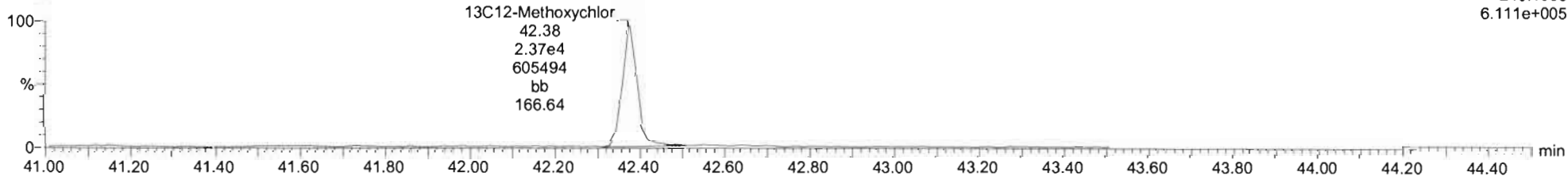
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F5:Voltage SIR,EI+
239.1475
1.398e+007



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F5:Voltage SIR,EI+
240.1508
6.111e+005



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Last Altered: Thursday, April 01, 2021 10:14:19 Pacific Daylight Time

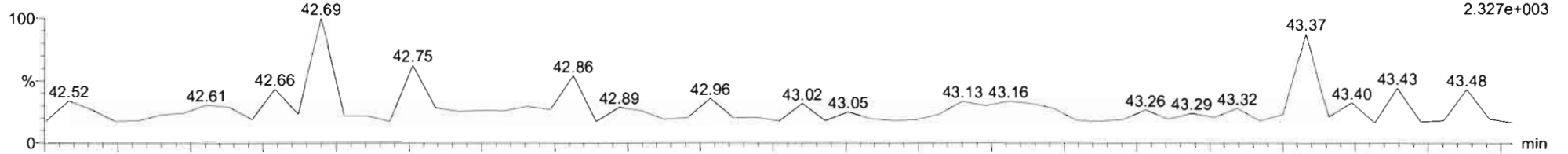
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Mirex

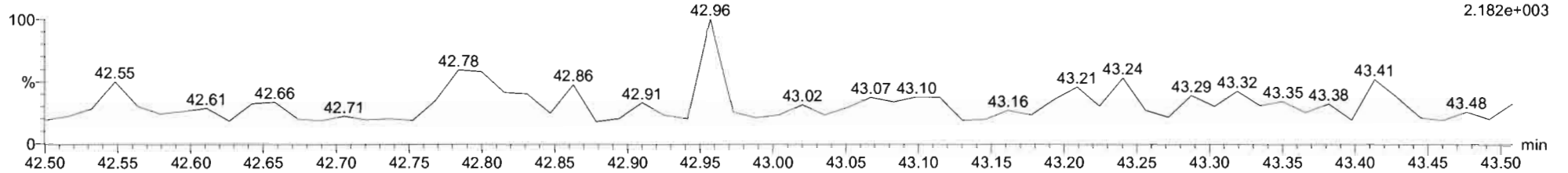
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F5:Voltage SIR,EI+
236.8413
2.327e+003



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

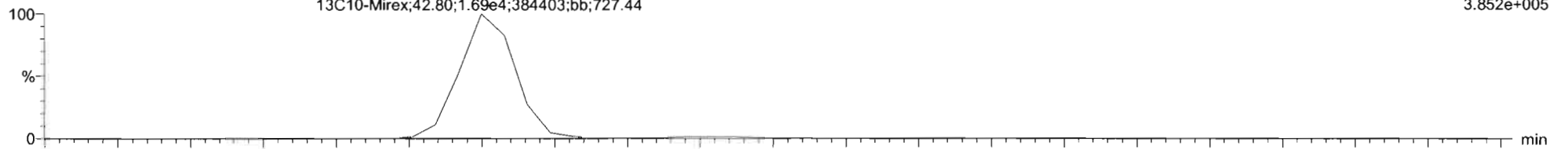
F5:Voltage SIR,EI+
238.8384
2.182e+003



¹³C10-Mirex

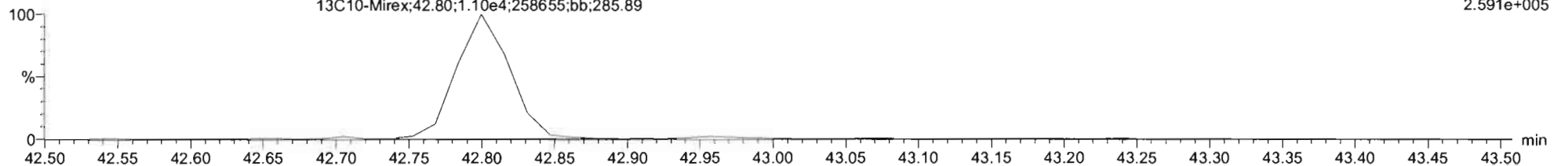
210330R1_9
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13C10-Mirex;42.80;1.69e4;384403;bb;727.44

F5:Voltage SIR,EI+
241.8581
3.852e+005



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489
13C10-Mirex;42.80;1.10e4;258655;bb;285.89

F5:Voltage SIR,EI+
243.8551
2.591e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_9.qld

Last Altered: Thursday, April 01, 2021 10:14:19 Pacific Daylight Time

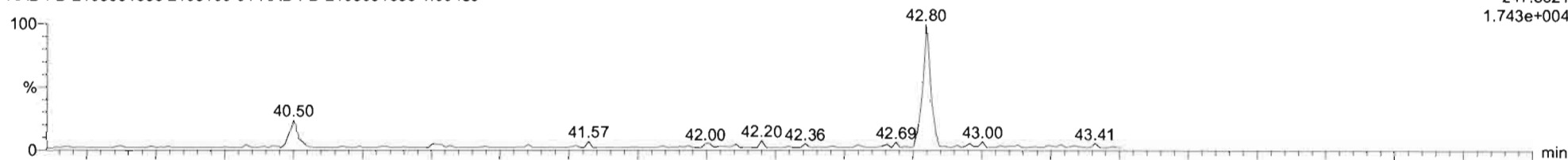
Printed: Thursday, April 01, 2021 15:51:07 Pacific Daylight Time

Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

EA-EK

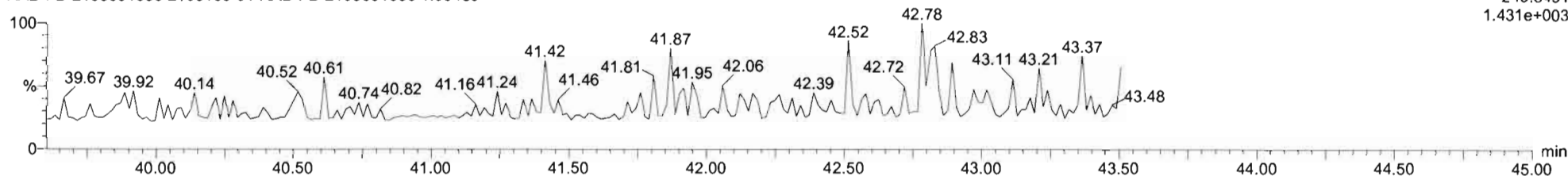
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F5:Voltage SIR,EI+
247.8521
1.743e+004



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

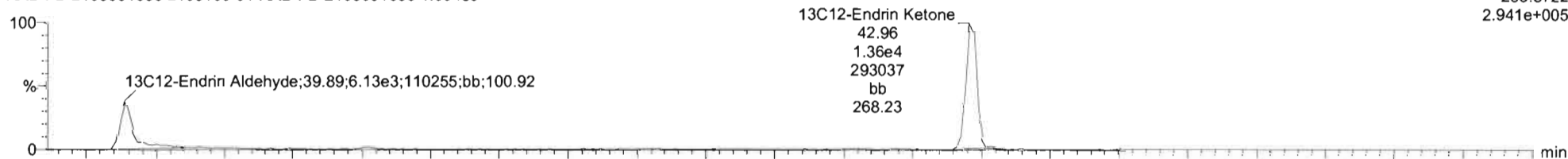
F5:Voltage SIR,EI+
249.8491
1.431e+003



EA-EK-isotopes

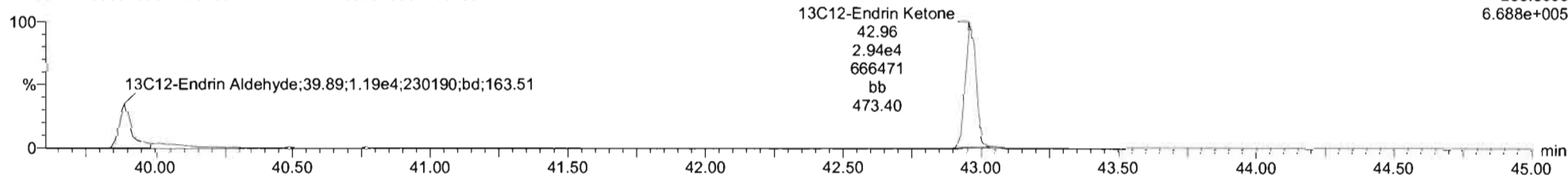
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F5:Voltage SIR,EI+
253.8722
2.941e+005



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F5:Voltage SIR,EI+
255.8693
6.688e+005



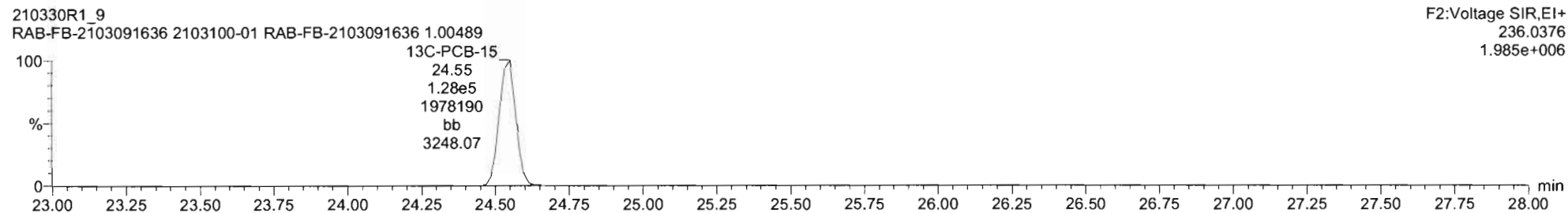
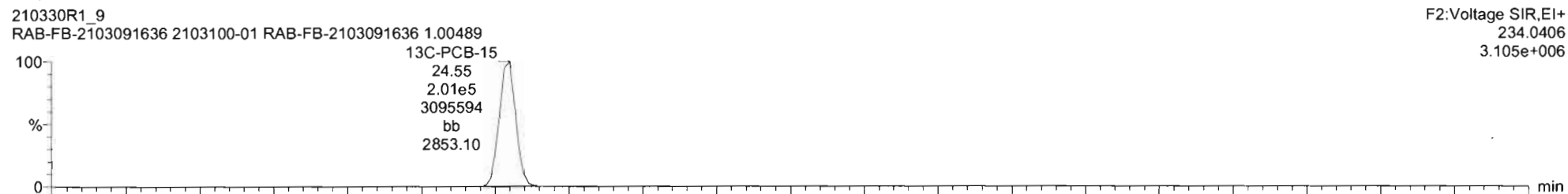
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Last Altered: Thursday, April 01, 2021 10:14:19 Pacific Daylight Time

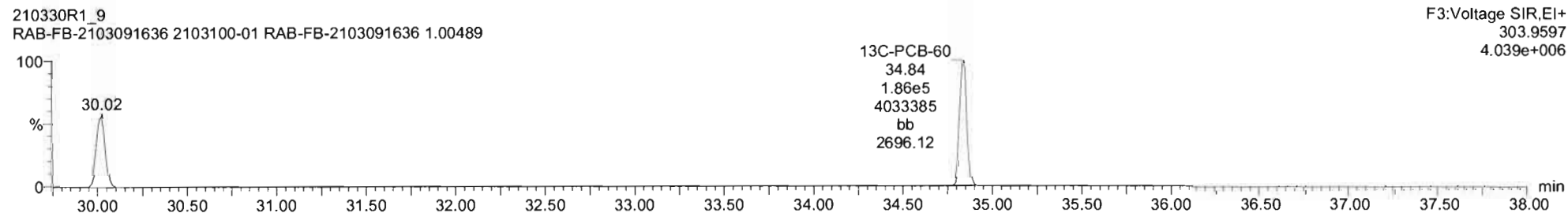
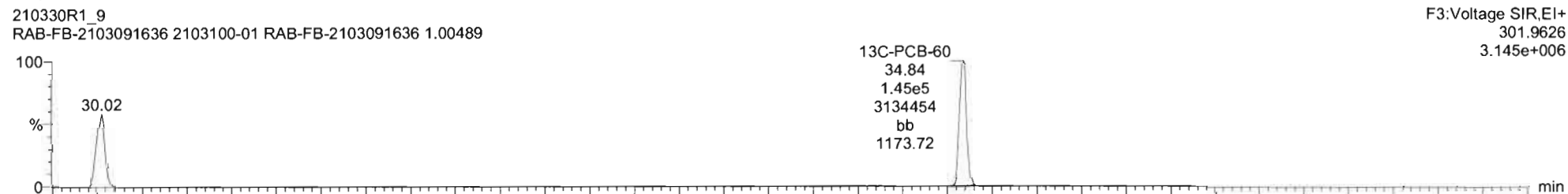
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Name: 210330R1_9, Date: 30-Mar-2021, Time: 16:52:32, ID: 2103100-01 RAB-FB-2103091636 1.00489, Description: RAB-FB-2103091636

13C-PCB-15



13C-PCB-60



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Last Altered: Thursday, April 01, 2021 10:14:19 Pacific Daylight Time

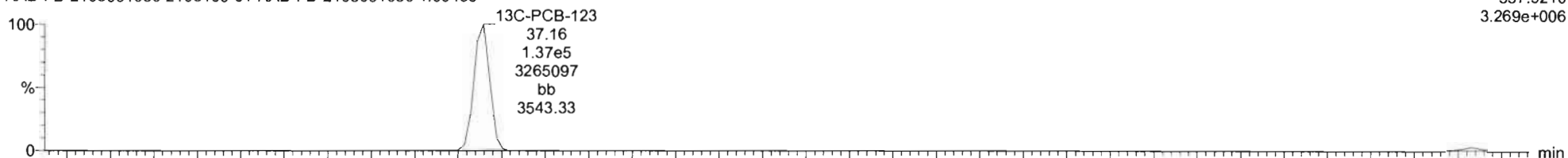
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13C-PCB-123

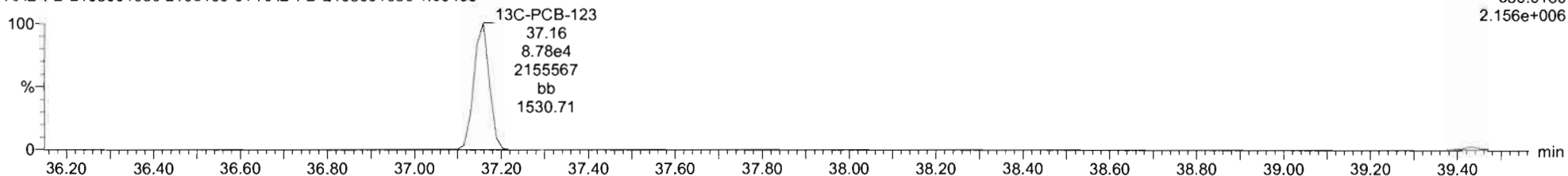
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F4:Voltage SIR,EI+
337.9210
3.269e+006



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

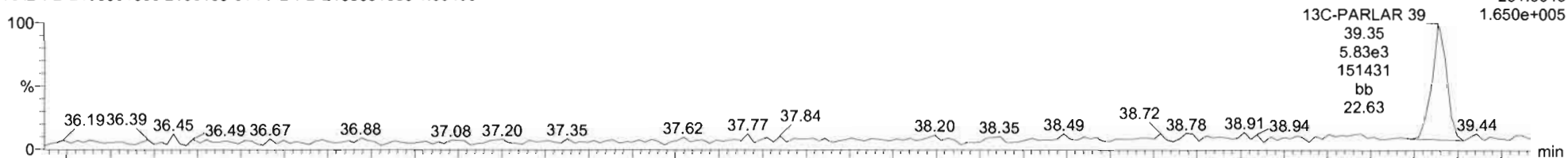
F4:Voltage SIR,EI+
339.9180
2.156e+006



13C-PARLAR 39

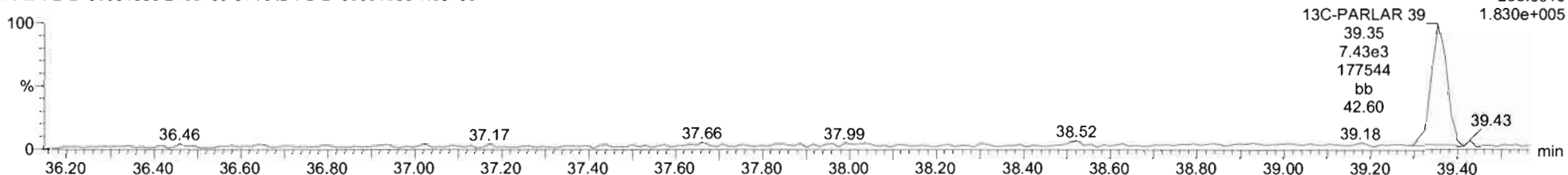
210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F4:Voltage SIR,EI+
251.9648
1.650e+005



210330R1_9
RAB-FB-2103091636 2103100-01 RAB-FB-2103091636 1.00489

F4:Voltage SIR,EI+
253.9619
1.830e+005



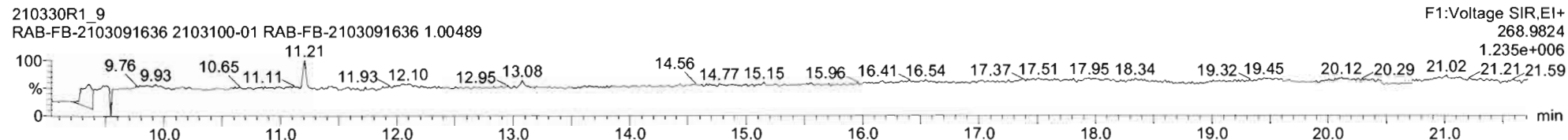
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Last Altered: Thursday, April 01, 2021 10:14:19 Pacific Daylight Time

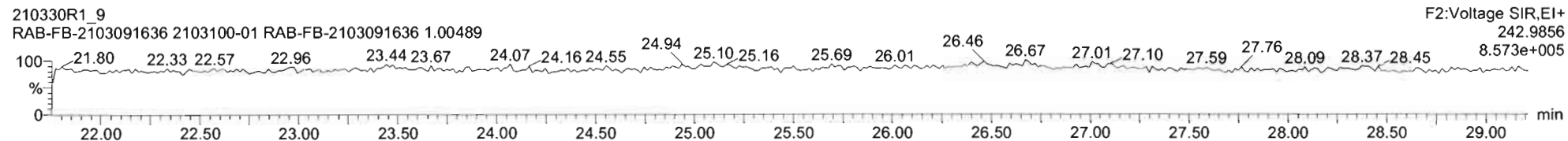
Printed: Thursday, April 01, 2021 15:51:07 Pacific Daylight Time

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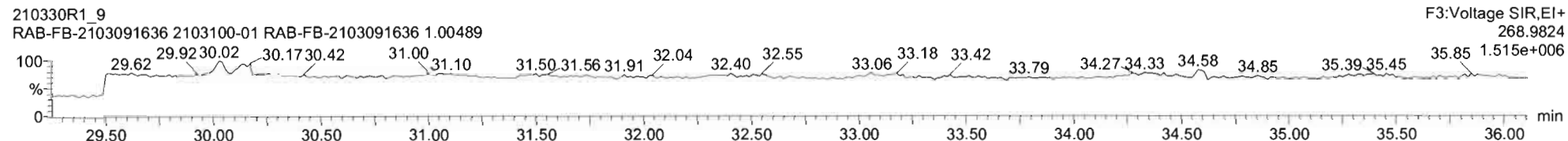
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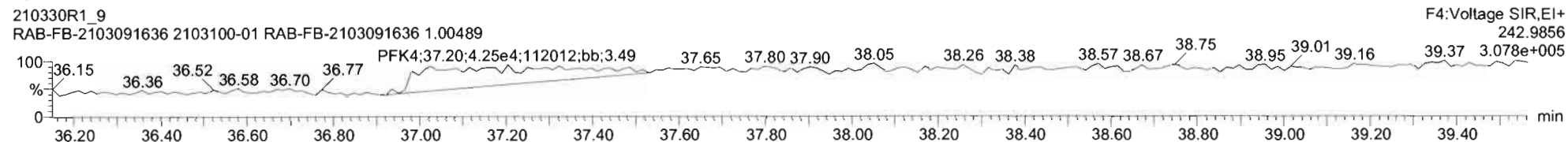
PFK2



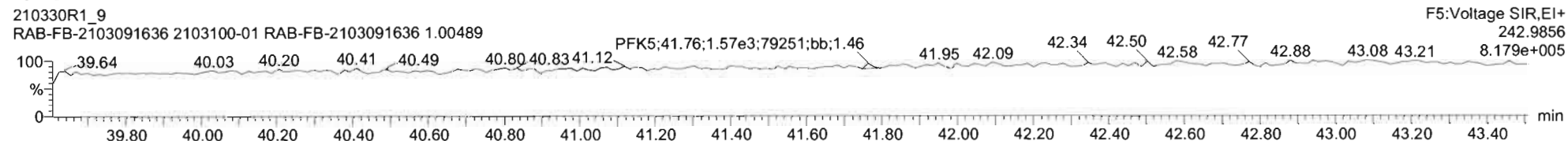
PFK3



PFK4



PFK5



Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210401R2\210401R2_4.qld

Last Altered: Wednesday, April 07, 2021 9:30:56 AM Pacific Daylight Time

Printed: Wednesday, April 07, 2021 9:31:21 AM Pacific Daylight Time

DF04/07/21

C104/07/2021

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	% Rec	DL	EMPC
1	2 Hexachlorobenzene	5.80e3	1.03e6	1.32	NO	0.945	1.008	21.45	21.44	1.001	1.001	NO	5.90		0.0802	5.90
2	3 Alpha-BHC		3.69e5		NO	0.781	1.008	21.99			1.002	YES			2.15	
3	4 Lindane (gamma-BHC)		2.94e5		NO	0.790	1.008	25.03			1.001	YES			3.26	
4	5 Beta-BHC		2.02e5		NO	0.925	1.008	27.18			1.000	YES			3.66	
5	6 Delta-BHC		2.38e5		NO	0.863	1.008	28.97			1.001	YES			3.05	
6	7 Heptachlor		9.99e4		NO	1.07	1.008	27.29			1.001	YES			0.932	
7	9 Aldrin		1.65e5		NO	1.09	1.008	29.53			1.001	YES			0.968	
8	10 Oxychlordane		5.37e4		NO	1.08	1.008	32.26			1.001	YES			2.59	
9	11 cis-Heptachlor Epoxide	1.83e2	7.23e4	3.94	YES	1.09	1.008	33.06	33.04	1.000	1.001	NO	2.30		1.95	1.19
10	12 trans-Heptachlor Epox...		7.23e4		NO	0.269	1.008	33.54			1.015	YES			7.91	
11	13 trans-Chlordane (gam...		4.41e4		NO	1.13	1.008	34.01			1.001	YES			3.02	
12	14 trans-Nonachlor		4.99e4		NO	1.04	1.008	34.22			1.001	YES			2.68	
13	15 cis-Chlordane		4.99e4		NO	1.14	1.008	34.69			1.015	YES			2.46	
14	16 Endosulfan I (alpha)		3.31e4		NO	1.12	1.008	34.80			1.001	YES			3.59	
15	18 2,4'-DDE		6.33e5		NO	1.01	1.008	34.72			1.000	YES			2.56	
16	19 4,4'-DDE	3.24e3	1.23e6	1.49	NO	1.01	1.008	35.83	35.83	1.000	1.000	NO	2.58		1.16	2.58
17	20 Dieldrin	3.21e2	1.49e5	2.03	YES	1.00	1.008	36.29	36.30	1.001	1.000	NO	2.14		0.864	1.81
18	21 Endrin	2.00e2	9.17e4	2.10	YES	0.977	1.008	37.69	37.71	1.000	1.000	NO	2.22		1.44	1.83
19	22 cis-Nonachlor	9.53e1	6.90e4	2.19	YES	1.01	1.008	38.02	38.02	1.000	1.000	NO	1.35		1.77	1.09
20	23 Endosulfan II (beta)	4.23e2	1.69e4	2.86	YES	1.01	1.008	38.73	38.73	1.000	1.000	NO	24.5		7.17	16.3
21	24 2,4'-DDD		1.20e6		NO	0.779	1.008	36.97			1.000	YES			1.71	
22	25 2,4'-DDT		6.95e5		NO	0.751	1.008	38.13			1.000	YES			3.27	
23	26 4,4'-DDD		9.11e5		NO	0.843	1.008	38.26			1.000	YES			2.25	
24	27 4,4'-DDT		5.53e5		NO	0.841	1.008	39.35			1.000	YES			3.33	
25	28 Endosulfan Sulfate		2.29e4		NO	1.05	1.008	40.49			1.000	YES			3.98	
26	29 4,4'-Methoxychlor		5.00e6		NO	0.993	1.008	42.37			1.000	YES			1.20	
27	30 Mirex	2.16e2	2.42e5	0.74	YES	0.979	1.008	42.82	42.82	1.000	1.000	NO	0.927		0.831	0.635
28	31 Endrin Aldehyde	1.59e2	2.38e5	1.64	YES	0.972	1.008	39.89	39.90	1.001	1.000	NO	6.30		4.49	4.23
29	32 Endrin Ketone		4.19e5		NO	0.855	1.008	42.96			1.000	YES			2.73	
30	34 13C6-Hexachlorobenz...	1.03e6	2.24e6	1.26	NO	0.664	1.008	21.43	21.42	0.873	0.873	NO	686	69.2	0.0574	
31	35 13C6-Alpha-BHC	3.69e5	2.24e6	0.76	NO	0.223	1.008	21.93	21.95	0.895	0.894	NO	729	73.5	2.26	

Dataset: U:\VG12.PRO\Results\210401R2\210401R2_4.qld

Last Altered: Wednesday, April 07, 2021 9:30:56 AM Pacific Daylight Time

Printed: Wednesday, April 07, 2021 9:31:21 AM Pacific Daylight Time

Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fw	Conc.	%Rec	DL	EMPG
32	36 13C6-Lindane (gamma)	2.94e5	2.24e6	0.79	NO	0.168	1.008	24.98	25.00	1.019	1.018	NO	771	77.7	3.00	
33	37 13C6-Beta-BHC	2.02e5	2.24e6	0.77	NO	0.129	1.008	27.15	27.17	1.107	1.107	NO	692	69.8	3.91	
34	38 13C6-Delta-BHC	2.38e5	2.24e6	0.76	NO	0.151	1.008	28.93	28.95	1.180	1.179	NO	697	70.3	3.35	
35	39 13C10-Heptachlor	9.99e4	2.24e6	1.31	NO	0.0852	1.008	27.26	27.27	1.111	1.111	NO	518	52.2	0.758	
36	40 13C12-Aldrin	1.65e5	2.24e6	1.70	NO	0.135	1.008	29.49	29.50	1.202	1.202	NO	538	54.3	1.35	
37	41 13C10-Oxychlorane	5.37e4	2.24e6	1.62	NO	0.0343	1.008	32.21	32.24	1.314	1.313	NO	693	69.8	5.31	
38	42 13C10-cis-Heptachlor ...	7.23e4	2.24e6	1.76	NO	0.0445	1.008	33.02	33.04	1.347	1.346	NO	718	72.4	4.09	
39	43 13C10-trans-Chlordan...	4.41e4	2.24e6	1.73	NO	0.0305	1.008	33.97	33.99	1.386	1.385	NO	638	64.3	5.96	
40	44 13C10-trans-Nonachlor	4.99e4	2.24e6	1.76	NO	0.0356	1.008	34.18	34.20	1.394	1.393	NO	620	62.5	5.12	
41	45 13C9-Endosulfan I (al...	3.31e4	2.24e6	1.70	NO	0.0263	1.008	34.76	34.78	1.418	1.417	NO	555	56.0	6.92	
42	46 13C12-2,4'-DDE	6.33e5	2.24e6	1.59	NO	0.875	1.008	34.71	34.71	0.996	0.996	NO	320	32.3	1.39	
43	47 13C12-4,4'-DDE	1.23e6	2.24e6	1.60	NO	0.637	1.008	35.82	35.82	1.028	1.028	NO	855	86.2	1.91	
44	48 13C12-Dieldrin	1.49e5	2.24e6	1.62	NO	0.0741	1.008	36.27	36.27	1.041	1.041	NO	886	89.3	3.39	
45	49 13C12-Endrin	9.17e4	2.24e6	1.64	NO	0.0648	1.008	37.69	37.69	1.082	1.082	NO	625	63.1	3.87	
46	50 13C10-cis-Nonachlor	6.90e4	2.24e6	1.66	NO	0.0408	1.008	38.01	38.01	1.091	1.091	NO	749	75.5	6.16	
47	51 13C9-Endosulfan II	1.69e4	2.24e6	1.59	NO	0.0130	1.008	38.73	38.73	1.112	1.112	NO	574	57.9	19.3	
48	52 13C12-2,4'-DDD	1.20e6	2.24e6	1.54	NO	0.687	1.008	36.95	36.97	1.507	1.506	NO	774	78.0	1.34	
49	53 13C12-2,4'-DDT	6.95e5	2.24e6	1.54	NO	0.383	1.008	38.08	38.11	1.553	1.552	NO	803	80.9	2.41	
50	54 13C12-4,4'-DDD	9.11e5	2.24e6	1.56	NO	0.592	1.008	38.21	38.24	1.559	1.558	NO	680	68.6	1.56	
51	55 13C12-4,4'-DDT	5.53e5	2.24e6	1.55	NO	0.281	1.008	39.30	39.33	1.603	1.602	NO	870	87.7	3.27	
52	56 13C9-Endosulfan Sulf...	2.29e4	2.24e6	1.61	NO	0.0163	1.008	40.49	40.49	1.162	1.162	NO	618	62.3	13.4	
53	57 13C12-Methoxychlor	5.00e6	2.24e6	18.82	NO	0.297	1.008	42.36	42.36	1.216	1.216	NO	7440	75.0	3.69	
54	58 13C10-Mirex	2.42e5	2.24e6	1.58	NO	0.177	1.008	42.80	42.80	1.229	1.229	NO	603	60.7	1.59	
55	59 13C12-Endrin Aldehyde	2.38e5	2.24e6	0.47	NO	0.0292	1.008	39.88	39.87	1.144	1.145	NO	3600	36.3	13.9	
56	60 13C12-Endrin Ketone	4.19e5	2.24e6	0.49	NO	0.0271	1.008	42.94	42.96	1.233	1.232	NO	6840	69.0	15.0	
57	62 13C-PCB-15	2.24e6	2.24e6	1.57	NO	1.00	1.008	24.55	24.53	1.000	1.000	NO	992	100	0.286	

Dataset: U:\VG12.PRO\Results\210401R2\210401R2_4.qld

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Printed: Thursday, April 01, 2021 17:51:31 Pacific Daylight Time

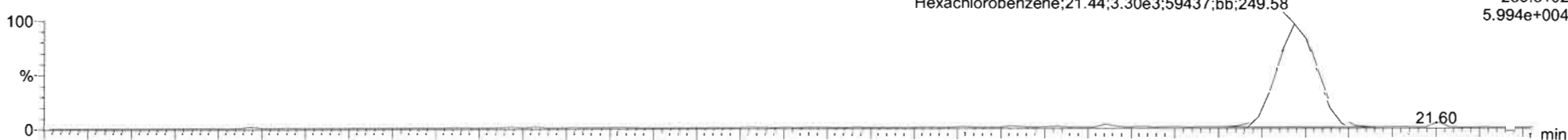
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Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

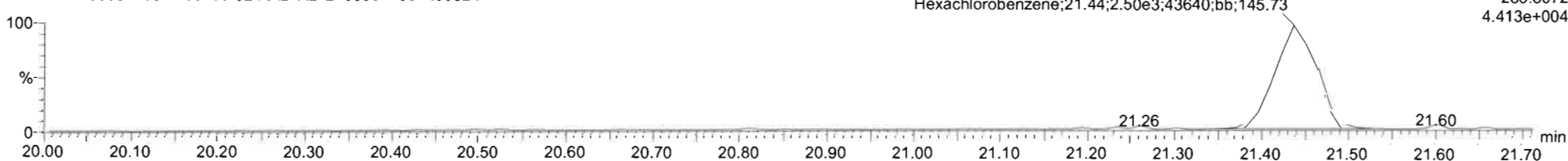
Hexachlorobenzene

210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824



F1:Voltage SIR,EI+
283.8102
5.994e+004

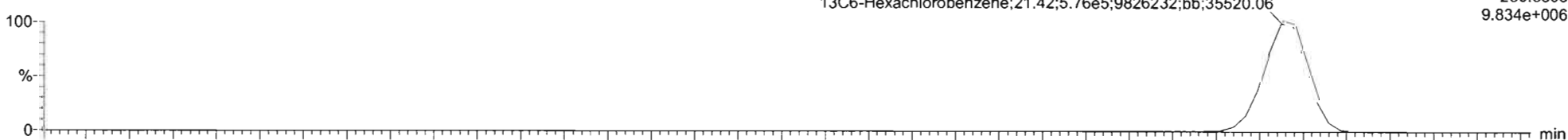
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824



F1:Voltage SIR,EI+
285.8072
4.413e+004

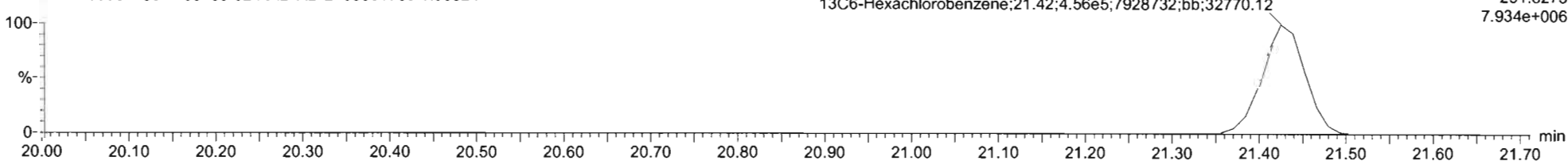
13C6-Hexachlorobenzene

210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824



F1:Voltage SIR,EI+
289.8303
9.834e+006

210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824



F1:Voltage SIR,EI+
291.8273
7.934e+006

Dataset: U:\VG12.PRO\Results\210401R2\210401R2_4.qld

Last Altered: Thursday, April 01, 2021 15:12:58 Pacific Daylight Time

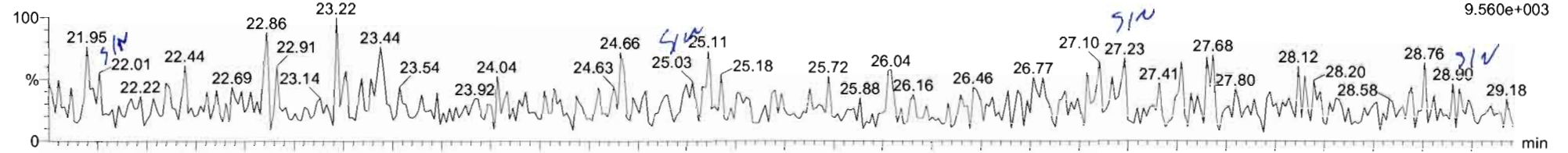
Printed: Thursday, April 01, 2021 17:51:31 Pacific Daylight Time

Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

BHC Totals

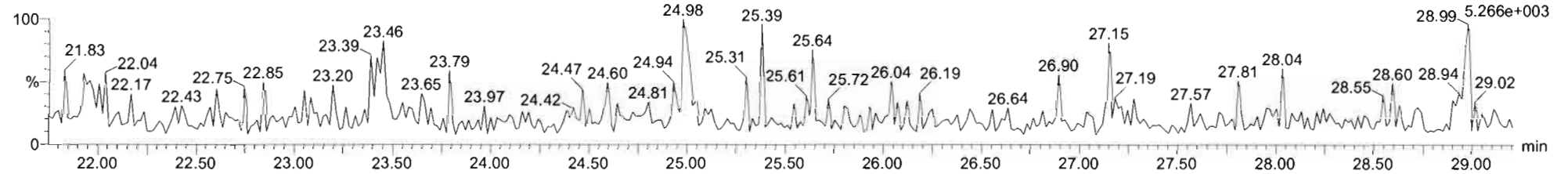
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F2:Voltage SIR,EI+
218.9116
9.560e+003



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

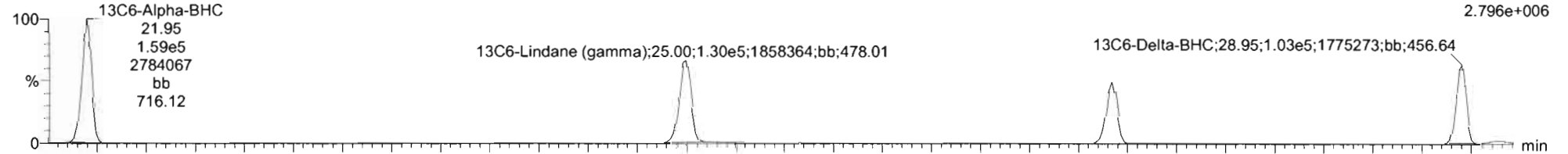
F2:Voltage SIR,EI+
220.9086
5.266e+003



BHC-isotopes

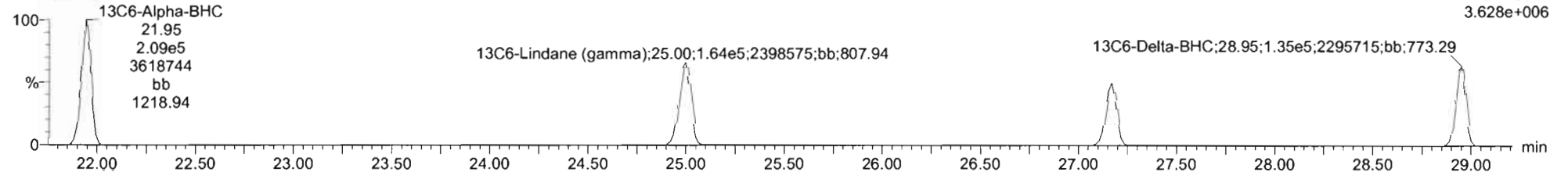
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RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F2:Voltage SIR,EI+
222.9346
2.796e+006



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F2:Voltage SIR,EI+
224.9317
3.628e+006



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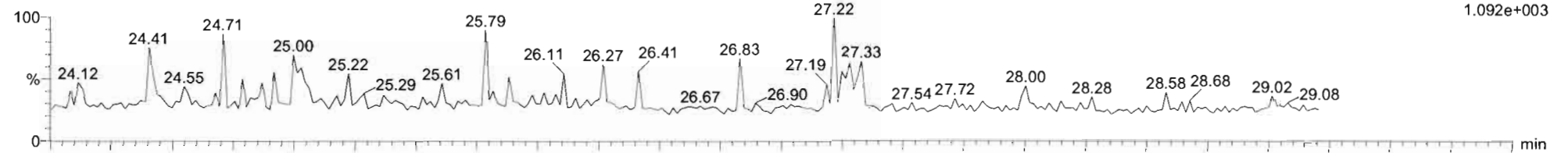
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Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

Heptachlor

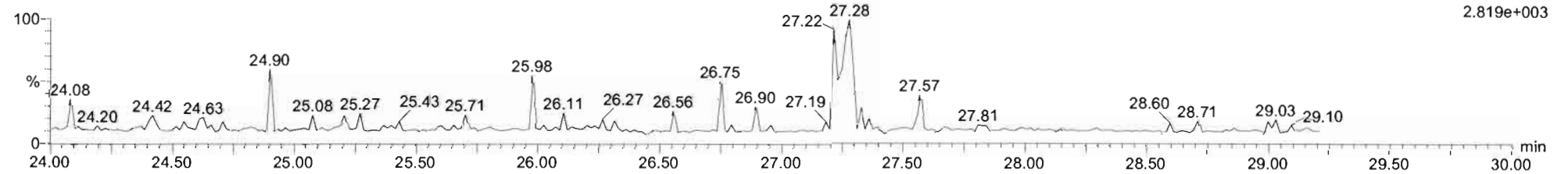
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F2:Voltage SIR,EI+
271.8102
1.092e+003



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

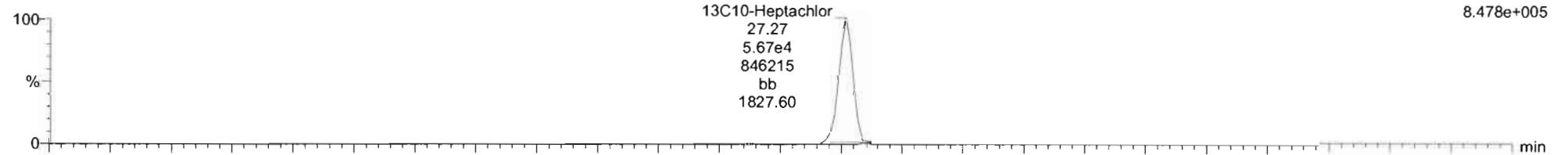
F2:Voltage SIR,EI+
273.8072
2.819e+003



13C10-Heptachlor

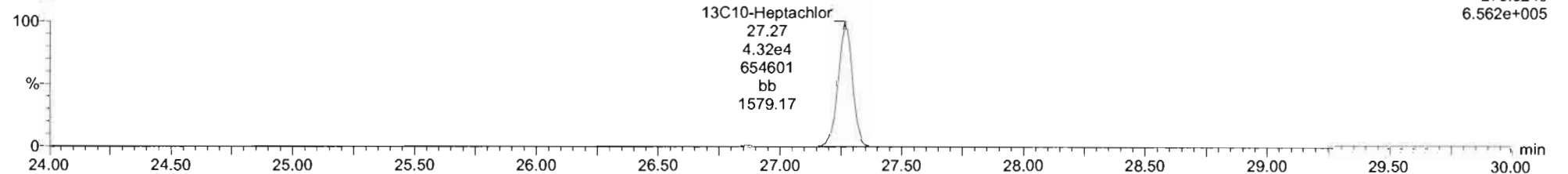
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F2:Voltage SIR,EI+
276.8269
8.478e+005



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F2:Voltage SIR,EI+
278.8240
6.562e+005



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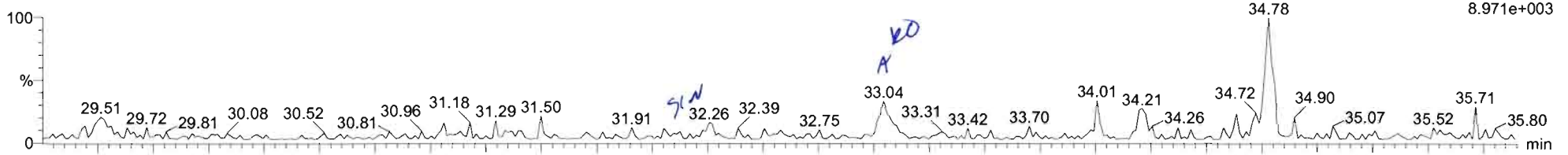
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Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

Aldrin-EI

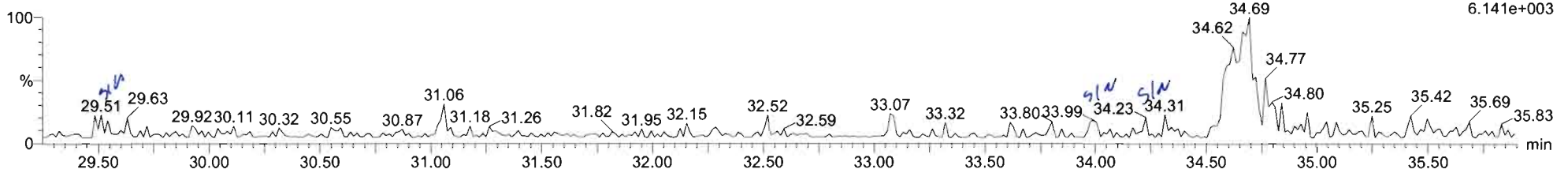
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F3:Voltage SIR,EI+
262.8569
8.971e+003



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

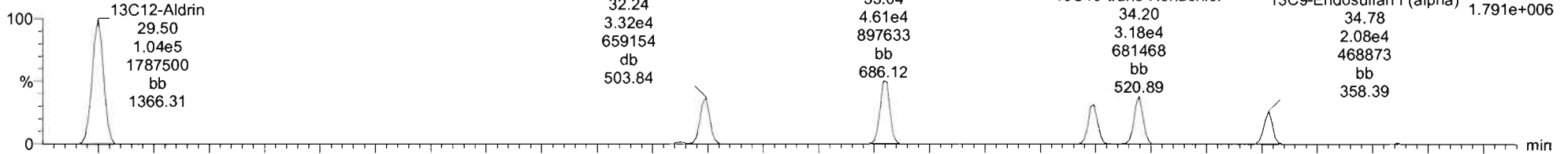
F3:Voltage SIR,EI+
264.8550
6.141e+003



Aldrin-EI-isotopes

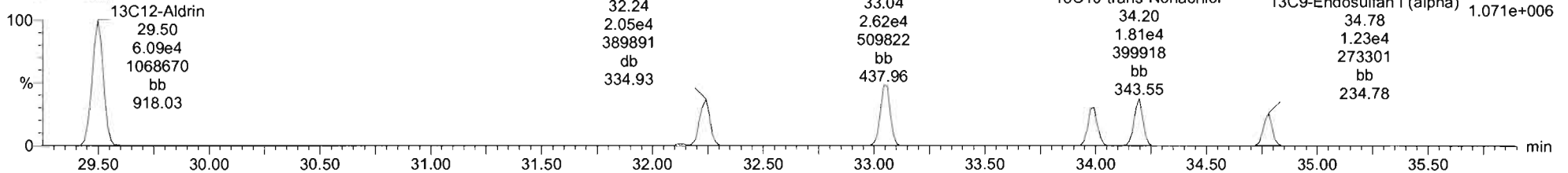
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F3:Voltage SIR,EI+
269.8804
1.791e+006

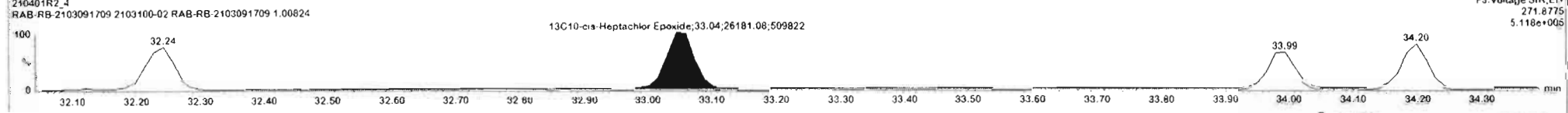
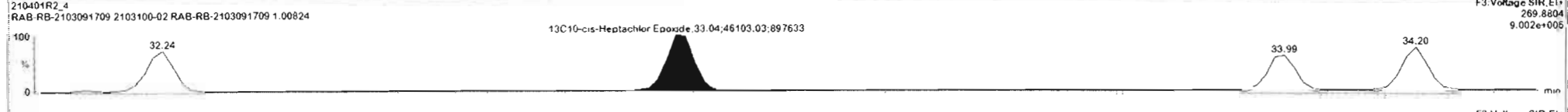
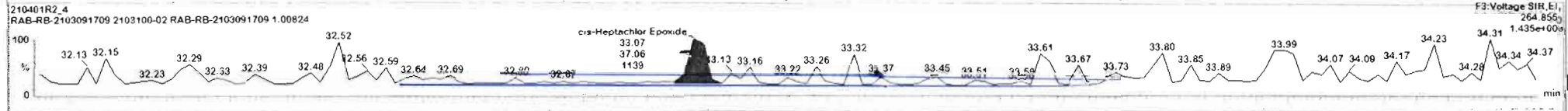
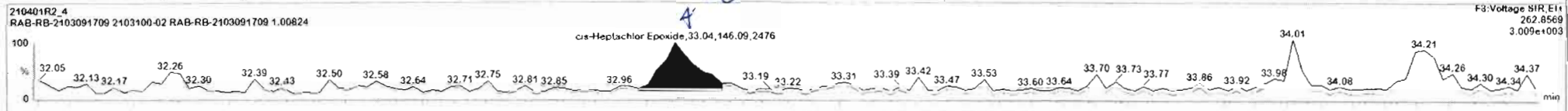


210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F3:Voltage SIR,EI+
271.8775
1.071e+006

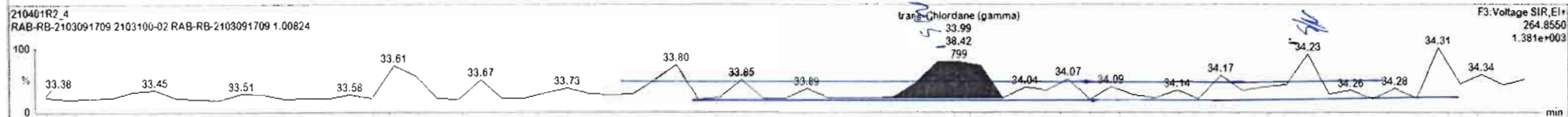
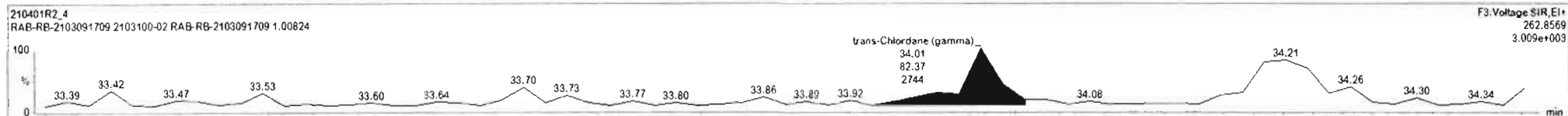


#	Name	Resp	IS Resp	ISE	RA	n/y	RRF	wbysl	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.57e4	1.33e6	33	0.27	YES	0.8673	1.00E	9.57	9.57	1.000	1.000	NO	1350		2.44	523
2	Hexachlorobenzene	5.80e3	1.02e6	34	1.32	NO	0.9446	1.00E	21.45	21.44	1.001	1.001	NO	5.90		0.0602	5.90
3	Alpha-BHC		3.89e5	35		NO	0.7811	1.00E	21.99			1.002	YES			2.15	
4	Lindane (gamma-BHC)		2.94e5	36		NO	0.7896	1.00E	25.03			1.001	YES			3.26	
5	Beta-BHC		2.02e5	37		NO	0.9247	1.00E	27.16			1.000	YES			3.56	
6	Delta-BHC		2.25e5	38		NO	0.8627	1.00E	28.97			1.001	YES			3.05	
7	Heptachlor		9.99e4	39		NO	1.0692	1.00E	27.29			1.001	YES			0.932	
8	4,4'-DDE		2.38e5	38		NO	1.1414	1.00E	28.87			0.997	NO			2.55	
9	Aldrin		1.65e5	40		NO	1.0884	1.00E	29.52			1.001	YES			0.968	
10	Oxychlorane		5.37e4	41		NO	1.0838	1.00E	32.26			1.001	YES			2.59	
11	cis-Heptachlor Epoxide	1.83e2	7.23e4	42	3.94	YES	1.0916	1.00E	33.06	33.04	1.000	1.001	NO	2.30		1.95	1.19
12	trans-Heptachlor Epoxide		7.23e4	42		NO	0.2607	1.00E	33.54			1.015	YES			7.91	
13	trans-Chlordane (gamma)		4.41e4	43		NO	1.1262	1.00E	34.01			1.001	YES			3.02	
14	trans-Nonachlor		4.99e4	44		NO	1.0419	1.00E	34.22			1.001	YES			2.68	
15	cis-Chlordane		4.99e4	44		NO	1.1385	1.00E	34.69			1.015	YES			2.46	
16	Endosulfan I (alpha)		3.21e4	45		NO	1.1176	1.00E	34.80			1.001	YES			3.59	
17	4,4'-DDU		6.25e5	46		NO	0.4187	1.00E	34.51			0.964	YES			2.18	
18	2,4'-DDE		6.25e5	46		NO	1.0668	1.00E	34.72			1.000	YES			2.57	



210401R2_4 - 2103100-02 RAB-RB-2103091709 1.00824 - RAB-RB-2103091709

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/mol	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.57e3	1.23e6	33	0.27	YES	0.0873	1.008	9.57	9.57	1.000	1.000	NO	1350		2.44	523
2	Hexachlorobenzene	5.90e3	1.03e6	34	1.32	NO	0.9448	1.008	21.45	21.44	1.001	1.001	NO	5.90		0.0602	5.90
3	Alpha-BHC		3.05e5	35		NO	0.7811	1.008	21.99			1.002	YES				2.15
4	Lindane (gamma-BHC)		2.94e5	36		NO	0.7896	1.008	25.02			1.001	YES				3.26
5	Beta-BHC		2.02e5	37		NO	0.9247	1.008	27.18			1.000	YES				3.68
6	Delta-BHC		2.38e5	38		NO	0.9527	1.008	28.97			1.001	YES				3.05
7	Heptachlor		9.99e4	39		NO	1.0692	1.008	27.26			1.001	YES				0.932
8	4'-DDMU		2.38e5	38		NO	1.1414	1.008	28.87			0.997	NO				2.55
9	Albin		1.85e5	40		NO	1.0884	1.008	29.53			1.001	YES				0.963
10	Dicyclohexane		5.37e4	41		NO	1.0838	1.008	32.25			1.001	YES				2.59
11	cis-Heptachlor Epoxide		1.83e2	42	3.94	YES	1.0918	1.008	33.06	33.04	1.000	1.001	NO	2.30		1.85	1.19
12	trans-Heptachlor Epoxide		7.23e4	42		NO	0.2887	1.008	33.54			1.015	YES				7.51
13	trans-Chlordane (gamma)		1.21e2	43	2.14	YES	1.1262	1.008	34.01	34.01	1.000	1.001	NO	2.42		3.02	1.97
14	trans-Nonachlor		4.99e4	44		NO	1.0419	1.008	34.22			1.001	YES				2.58
15	cis-Chlordane		4.72e2	44	3.28	YES	1.1385	1.008	34.69	34.78	1.017	1.015	NO	8.24		2.48	4.92
16	Endosulfan I (alpha)		3.31e4	45		NO	1.1178	1.008	34.60			1.001	YES				3.59
17	4'-DDMU		6.25e5	46		NO	0.4187	1.008	34.51			0.994	YES				2.13
18	2,4-DDDE		6.25e5	46		NO	1.0068	1.008	34.72			1.000	YES				2.37



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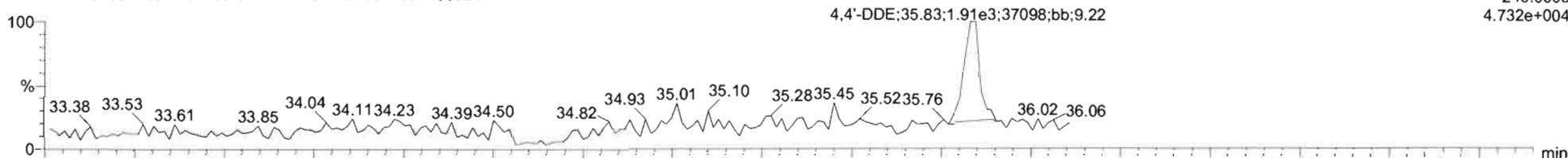
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DDMU-DDE

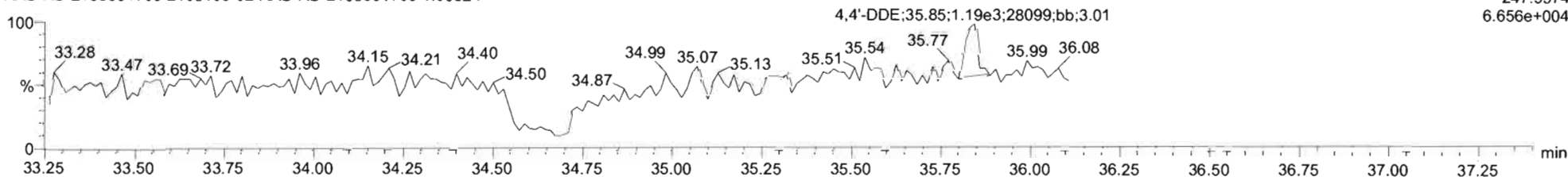
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RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F3:Voltage SIR,EI+
246.0003
4.732e+004



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

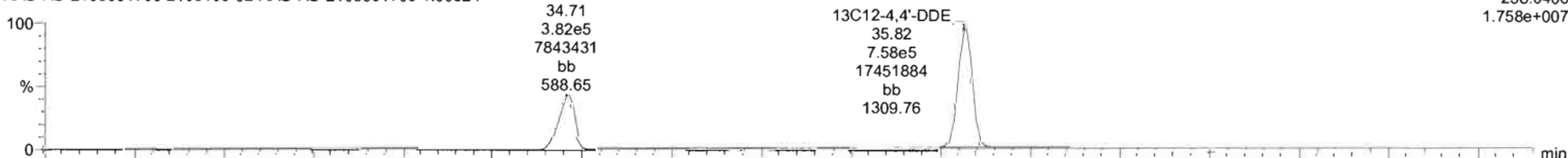
F3:Voltage SIR,EI+
247.9974
6.656e+004



DDE-isotopes

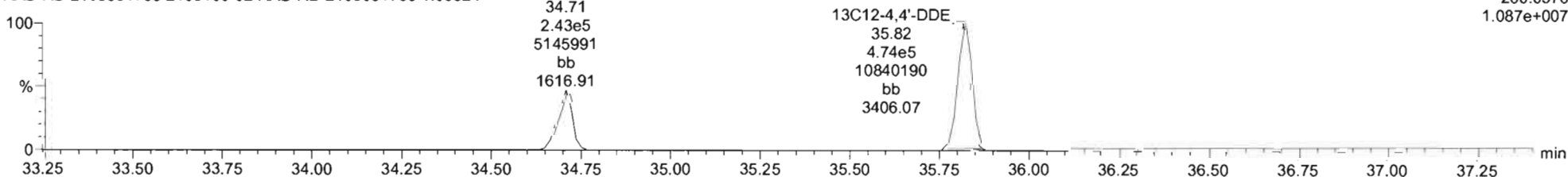
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F3:Voltage SIR,EI+
258.0406
1.758e+007



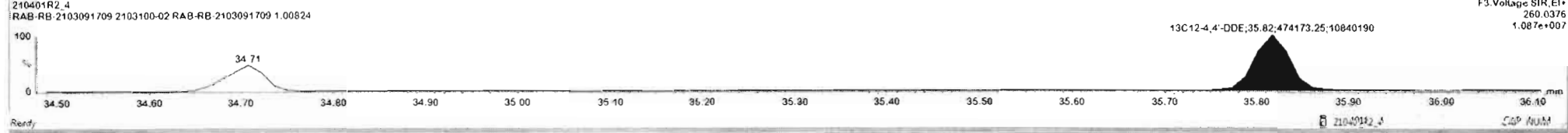
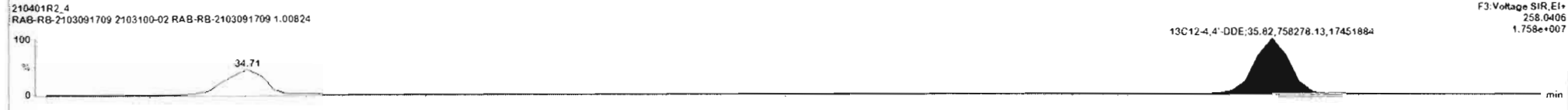
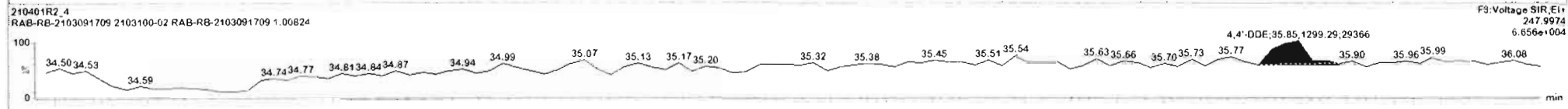
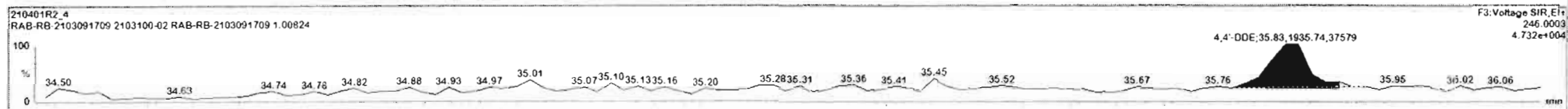
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RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F3:Voltage SIR,EI+
260.0376
1.087e+007



210401R2_4 - 2103100-02 RAB-RB-2103091709 1.00824 RAB-RB-2103091709

#	Name	Resp	S Resp	R#	RA	n/y	RRF	wbvol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
19	4,4'-DDE	3.24e3	1.23e8	47	1.49	NO	1.0094	1.008	35.83	35.83	1.000	1.000	NO	2.58		1.18	2.58
20	Dieldrin		1.49e5	48		NO	1.0010	1.008	36.29			1.000	YES			0.864	
21	Endrin		9.17e4	49		NO	0.9769	1.006	37.69			1.000	YES			1.44	
22	cis-Nonachlor		8.50e4	50		NO	1.0113	1.006	38.02			1.000	YES			1.77	
23	Endosulfan II (beta)		1.69e4	51		NO	1.0079	1.008	36.73			1.000	YES			7.17	
24	2,4'-DDD		1.25e8	52		NO	0.7794	1.008	36.67			1.000	YES			1.71	
25	2,4'-DDT		8.95e5	53		NO	0.7506	1.006	38.13			1.000	YES			3.27	
26	4,4'-DDD		9.11e5	54		NO	0.8433	1.008	38.29			1.000	YES			2.25	
27	4,4'-DDT		5.53e5	55		NO	0.8412	1.008	39.35			1.000	YES			3.33	
28	Endosulfan Sulfate		3.29e4	56		NO	1.0514	1.008	40.49			1.000	YES			2.58	
29	4,4'-Methoxychlor		5.02e8	57		NO	0.9627	1.008	42.37			1.000	YES			1.20	
30	Mirex		2.42e5	58		NO	0.9193	1.008	42.82			1.000	YES			0.831	
31	Endrin Aldhyde		1.07e5	59		NO	0.9721	1.008	39.85			1.000	YES			4.45	
32	Endrin Ketone		4.19e5	60		NO	0.9551	1.008	42.96			1.000	YES			2.73	
33	13C4-Hexachlorobutadi	1.33e6	2.24e8	62	1.15	NO	0.3633	1.008	9.60	9.57	0.360	0.381	NO	7050	71.0	0.379	
34	13C6-Hexachlorobenz	1.03e8	2.24e8	62	1.26	NO	0.6645	1.008	21.43	21.42	0.872	0.873	NO	888	89.2	0.0574	
35	13C8-Alpha-BHC	3.69e5	2.24e8	62	0.76	NO	0.2234	1.008	21.93	21.95	0.885	0.884	NO	729	73.5	2.26	
36	13C8-Lindane (gamma)	2.94e5	2.24e8	62	0.79	NO	0.1684	1.008	24.98	25.00	1.019	1.018	NO	771	77.7	3.00	



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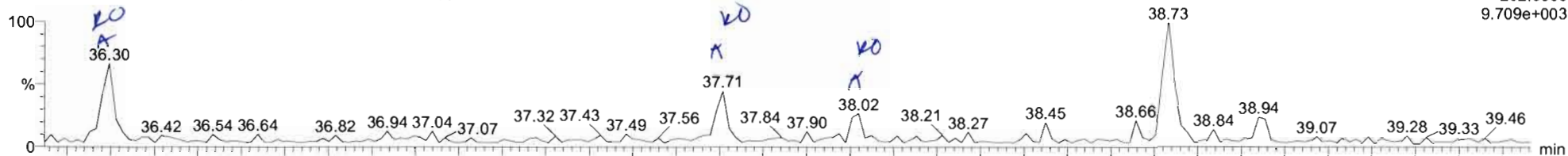
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Dieldrin-Ell

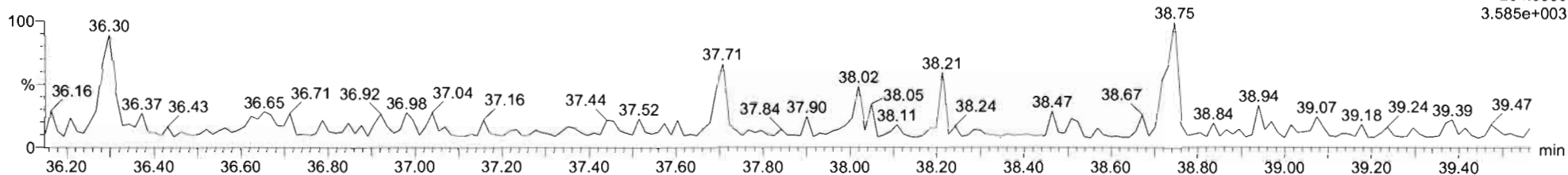
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F4:Voltage SIR,EI+
262.8569
9.709e+003



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

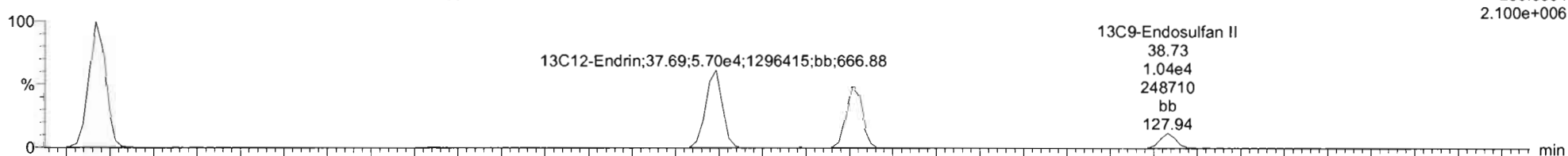
F4:Voltage SIR,EI+
264.8550
3.585e+003



Dieldrin-Ell-isotopes

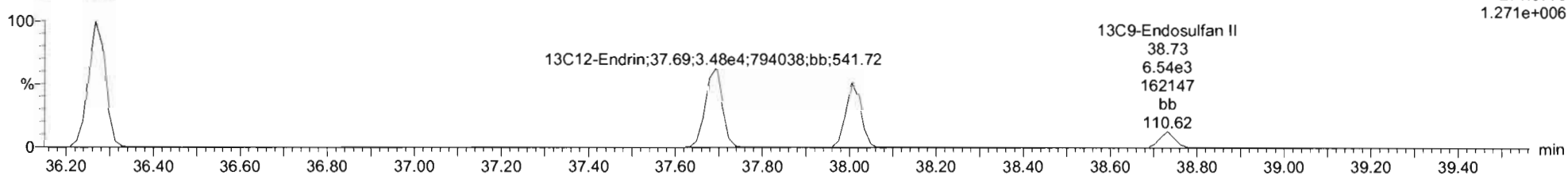
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F4:Voltage SIR,EI+
269.8804
2.100e+006

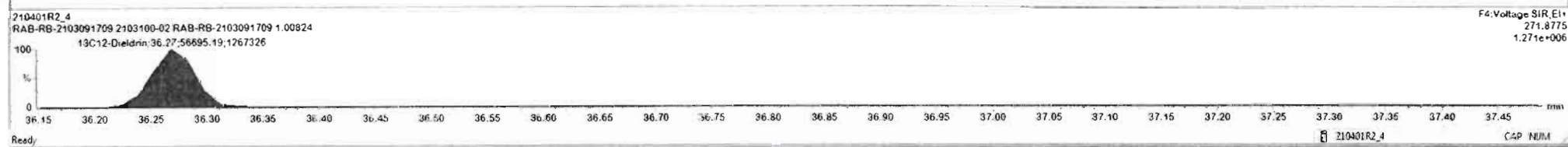
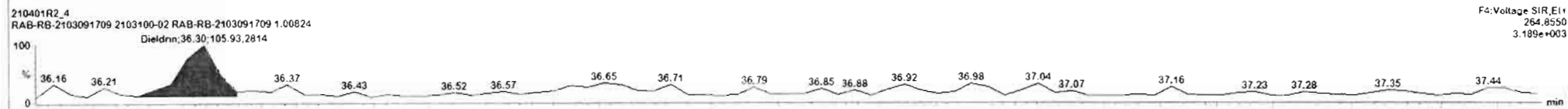
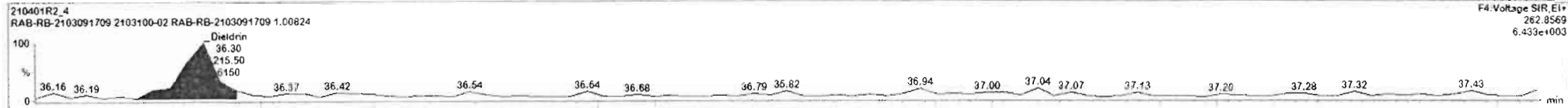


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RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

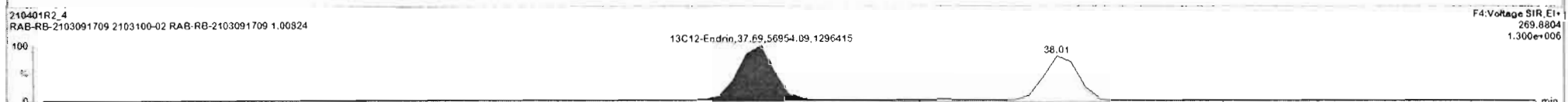
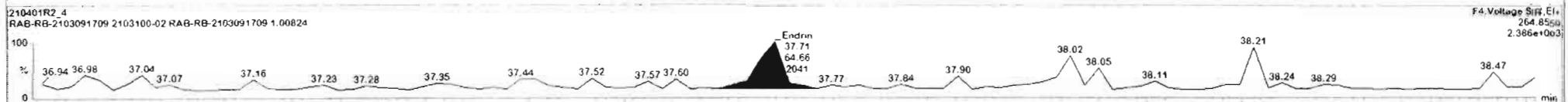
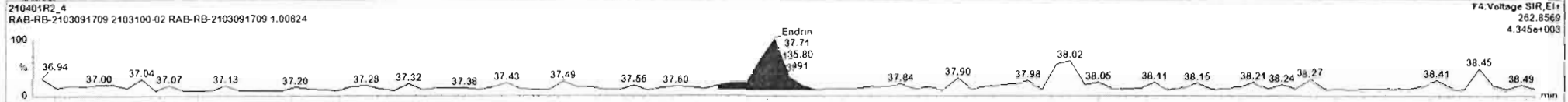
F4:Voltage SIR,EI+
271.8775
1.271e+006



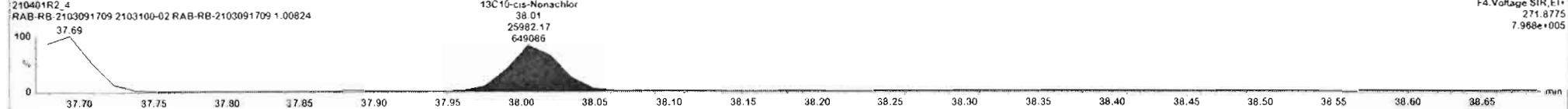
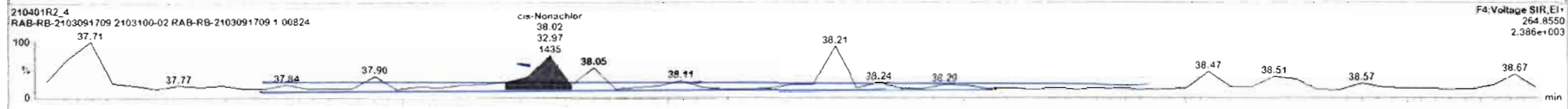
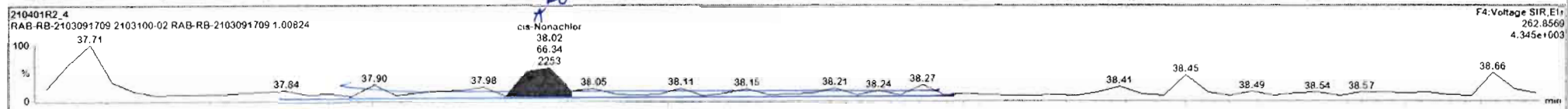
#	Name	Resp	IS Resp	ISE	RA	nly	RRF	wt/wt	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	CL	EMPC
17	4,4-DDMU		6.25e5	46		NO	0.4187	1.008	34.51			0.994	YES			2.18	
18	2,4-DDE		6.25e5	46		NO	1.9068	1.008	34.72			1.000	YES			2.57	
19	4,4-DDE	2.24e3	1.23e6	47	1.49	NO	1.0094	1.008	35.83	35.83	1.000	1.000	NO	2.58		1.16	2.98
20	Dieldrin	3.21e2	1.49e5	48	2.03	YES	1.9010	1.006	36.26	36.30	1.001	1.000	NO	2.14		0.864	1.81
21	Endrin		9.17e4	49		NO	0.9789	1.008	37.68			1.000	YES			1.44	
22	cis-Nonachlor		6.90e4	50		NO	1.9113	1.008	38.02			1.000	YES			1.71	
23	Endosulfan S (beta)		1.89e4	51		NO	1.0079	1.008	38.73			1.000	YES			1.17	
24	2,4-DDG		1.20e6	52		NO	0.7794	1.008	38.97			1.000	YES			1.71	
25	2,4-DDT		8.95e5	53		NO	0.7508	1.008	38.13			1.000	YES			3.27	
26	4,4-DDC		9.11e5	54		NO	0.8433	1.008	38.26			1.000	YES			2.25	
27	4,4-DDT		5.53e5	55		NO	0.8412	1.006	39.35			1.000	YES			3.33	
28	Endosulfan Sulfate		2.29e4	56		NO	1.0514	1.008	40.49			1.000	YES			3.92	
29	4,4-Dimethoxychlor		5.00e5	57		NO	0.9927	1.000	42.37			1.000	YES			1.29	
30	Mirex		2.42e5	58		NO	0.9793	1.000	42.82			1.000	YES			0.831	
31	Endrin Aldenylde		3.07e5	59		NO	0.9721	1.008	35.89			1.000	YES			4.45	
32	Endrin Ketone		4.19e5	60		NO	0.8551	1.008	42.96			1.000	YES			2.70	
33	13C4-Hexachlorobutadi	1.33e6	2.24e6	52	1.19	NO	0.8833	1.008	9.60	9.57	0.995	0.991	NO	7050	71.0	0.379	
34	13C6-Hexachlorobenz	1.03e6	2.24e6	52	1.28	NO	0.8648	1.008	21.43	21.42	0.973	0.873	NO	896	89.2	0.974	



#	name	Resp	IS	RA	n/y	RRF	wtswel	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
17	4'-DDMU	6.25e5	46		NO	0.4127	1.006	34.51			2.964	YES			2.18	
18	2'-DDE	6.25e5	46		NO	1.0096	1.006	34.72			1.000	YES			2.57	
19	4'-DDE	3.24e3	1.23e6	47	1.49	NO	1.0094	1.006	35.83	35.83	1.000	1.000	NO	2.58	1.16	2.58
20	Dieldrin	3.21e2	1.49e5	48	2.03	YES	1.0010	1.006	36.29	36.30	1.001	1.000	NO	2.14	0.864	1.81
21	Endrin	2.00e2	9.17e4	49	2.10	YES	0.9789	1.008	37.69	37.71	1.000	1.000	NO	2.22	1.44	1.83
22	cis-Nonachlor	9.03e1	6.92e4	50	2.01	YES	1.0113	1.006	38.02	38.02	1.000	1.000	NO	1.41	1.77	1.20
23	Endosulfan II (beta)	4.15e2	1.69e4	51	2.33	YES	1.0075	1.008	38.73	38.73	1.000	1.000	NO	24.1	7.17	16.1
24	2'-DDD		1.20e6	52		NO	0.7794	1.006	38.97		1.000	YES			1.71	
25	2'-DDT		6.95e5	53		NO	0.7506	1.006	38.13		1.000	YES			3.27	
26	4'-DDT		9.11e5	54		NO	0.8433	1.006	38.26		1.000	YES			2.25	
27	4'-DDT		5.53e5	55		NO	0.8412	1.006	39.35		1.000	YES			3.33	
28	Endosulfan Sulfate		2.29e4	56		NO	1.0514	1.006	40.49		1.000	YES			3.98	
29	4,4'-Methoxychlor		5.00e6	57		NO	0.9927	1.006	42.57		1.000	YES			1.20	
30	Mrax	2.10e2	2.42e5	58	0.76	YES	0.9793	1.005	42.62	42.82	1.000	1.000	NO	0.682	0.821	0.624
31	Endrin Aldehyde	1.55e2	3.07e5	59	1.69	YES	0.9721	1.008	39.69	39.80	1.001	1.000	NO	5.14	4.45	3.12
32	Endrin Ketone	1.72e2	4.19e5	60	1.81	YES	0.8551	1.008	42.96	42.96	1.000	1.000	NO	4.78	2.73	2.97
33	13C4-hexachlorobutadiene	1.33e6	2.24e6	62	1.15	NO	0.0633	1.006	5.60	9.57	0.280	0.281	NO	7050	71.0	0.379
34	13C6-hexachlorobenzene	1.03e6	2.24e6	62	1.26	NO	0.6645	1.005	21.43	21.42	0.873	0.873	NO	888	69.2	0.9574

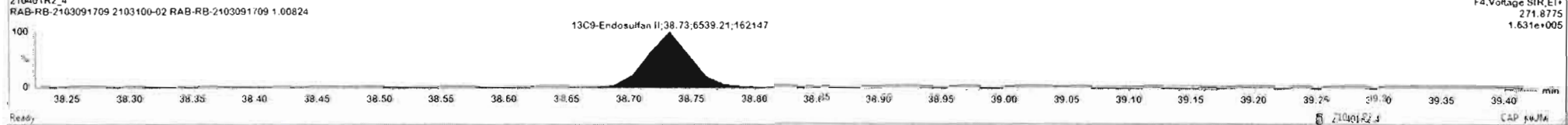
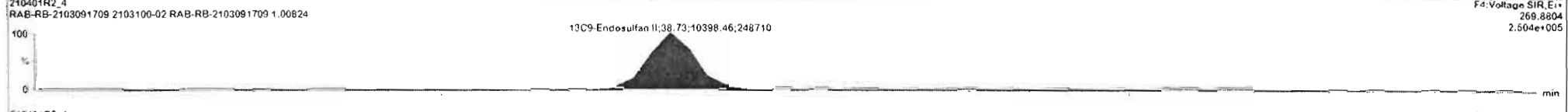
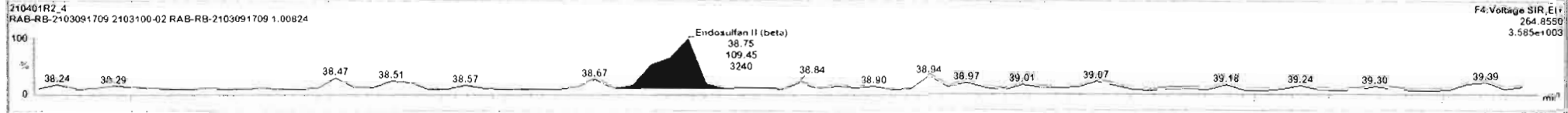
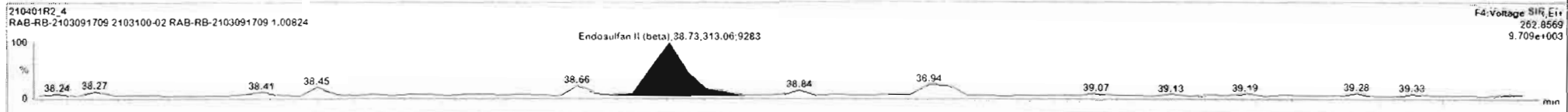


#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wt/vel	Pred RT	RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
17	4,4-DDMU		8.25e5	46		NO	0.4187	1.006	24.51			0.994	YES			2.18	
18	2,4-DDE		8.25e5	46		NO	1.0086	1.006	34.72			1.000	YES			2.57	
19	4,4-DDE	3.24e3	1.23e6	47	1.49	NO	1.0094	1.006	35.83	35.83	1.000	1.000	NO	2.58		1.16	2.58
20	Dieldrin	3.21e2	1.49e5	48	2.03	YES	1.0010	1.006	36.29	36.30	1.001	1.000	NO	2.14		0.864	1.81
21	Endrin	2.08e2	9.17e4	49	2.10	YES	0.9789	1.006	37.69	37.71	1.000	1.000	NO	2.22		1.44	1.83
22	cis-Nonachlor	8.93e1	8.60e4	50	2.61	YES	1.0113	1.008	38.02	38.02	1.000	1.000	NO	1.41		1.77	1.20
23	Endosulfan II (beta)	4.15e2	1.69e4	51	2.83	-ES	1.0079	1.006	38.73	38.73	1.000	1.000	NO	24.1		7.17	16.1
24	2,4-DDD		1.20e6	52		NO	0.7794	1.006	38.87			1.000	YES			1.71	
25	2,4-DCT		8.95e5	53		NO	0.7506	1.006	38.13			1.000	YES			2.27	
26	4,4-DDD		9.11e5	54		NO	0.8433	1.006	38.26			1.000	YES			2.25	
27	4,4-DCT		5.53e5	55		NO	0.8412	1.006	38.35			1.000	YES			3.33	
28	Endosulfan Sulfate		2.29e4	56		NO	1.0514	1.006	40.49			1.000	YES			3.58	
29	4,4-Dibromochlor		5.00e6	57		NO	0.9927	1.006	42.37			1.000	YES			1.20	
30	Mirex	2.10e2	2.42e5	58	0.76	YES	0.9793	1.008	42.82	42.83	1.000	1.000	NO	0.882		0.831	0.624
31	Endrin Aldehyde	1.55e2	3.07e5	59	1.89	YES	0.9721	1.008	29.89	30.90	1.001	1.000	NO	5.14		4.45	3.12
32	Endrin Ketone	1.72e2	4.19e5	60	1.61	YES	0.8551	1.008	42.86	42.96	1.000	1.000	NO	4.76		2.73	2.97
33	13C4-Hexachlorobutadi	1.33e6	2.24e6	62	1.19	NO	0.0833	1.006	3.60	9.57	0.390	0.391	NO	7050	71.0	0.379	
34	13C6-Hexachlorobenz	1.03e6	2.24e6	62	1.26	NO	0.6645	1.006	21.43	21.42	0.973	0.873	NO	686	89.2	0.0574	



210401R2_4 - 2103100-02 RAB-RB-2103091709 1.00824 - RAB-RB-2103091709

#	Name	Resp	IS Resp	IS	RA	ny	RRF	withVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
17	4,4-DDMU		6.25e5	46		NO	0.4167	1.006	34.51			0.994	YES			2.13	
18	2,4-DDE		6.25e5	46		NO	1.0066	1.006	34.72			1.000	YES			2.57	
19	4,4-DDE	3.24e3	1.23e8	47	1.48	NO	1.0094	1.006	35.83	35.83	1.000	1.000	NO	2.98		1.18	2.58
20	Dieldrin	3.21e2	1.49e5	48	2.03	YES	1.0010	1.006	36.29	36.30	1.001	1.000	NO	2.14		0.864	1.81
21	Endrin	2.39e2	9.17e4	48	2.10	YES	0.9785	1.008	37.69	37.71	1.000	1.000	NO	2.22		1.44	1.83
22	cis-nonachlor	9.93e1	6.90e4	50	2.01	ES	1.0113	1.008	38.02	38.02	1.000	1.000	NO	1.41		1.77	1.20
23	Endosulfan II (beta)	4.23e2	1.89e4	51	2.86	YES	1.0079	1.008	38.73	38.73	1.000	1.000	NO	24.6		7.17	19.3
24	2,4-DDD		1.20e8	52		NO	0.7794	1.006	36.97			1.000	YES			1.71	
25	2,4-DDT		6.95e5	52		NO	0.7502	1.006	38.13			1.008	YES			3.27	
26	4,4-DDC		9.11e5	54		NO	0.8433	1.006	38.28			1.000	YES			2.28	
27	4,4-DDT		6.53e5	55		NO	0.8412	1.008	39.35			1.000	YES			3.33	
28	Endosulfan Sulfate		2.29e4	56		NO	1.9514	1.000	40.45			1.000	YES			3.98	
29	4,4-Methoxychlor		5.00e6	57		NO	0.9927	1.008	42.37			1.000	YES			1.20	
30	Mirex	2.10e2	2.42e5	58	0.76	YES	0.8793	1.006	42.82	42.82	1.000	1.000	NO	0.832		0.871	0.624
31	Endrin Aldohyde	1.55e2	3.07e5	58	1.69	YES	0.9721	1.008	39.89	39.90	1.001	1.000	NO	6.14		4.40	3.12
32	Endrin Ketone	1.72e2	4.19e5	60	1.61	YES	0.8551	1.006	42.98	42.96	1.005	1.000	NO	4.78		2.73	0.97
33	13C4-Hexachlorobutadi.	1.33e8	2.24e8	62	1.15	NO	0.8632	1.008	9.60	9.67	0.991	NO	7050	71.0		0.979	
34	13C6-Hexachlorobenz.	1.02e8	2.24e8	62	1.26	NO	0.8645	1.008	21.43	21.42	0.873	0.873	NO	806	89.2	0.8374	



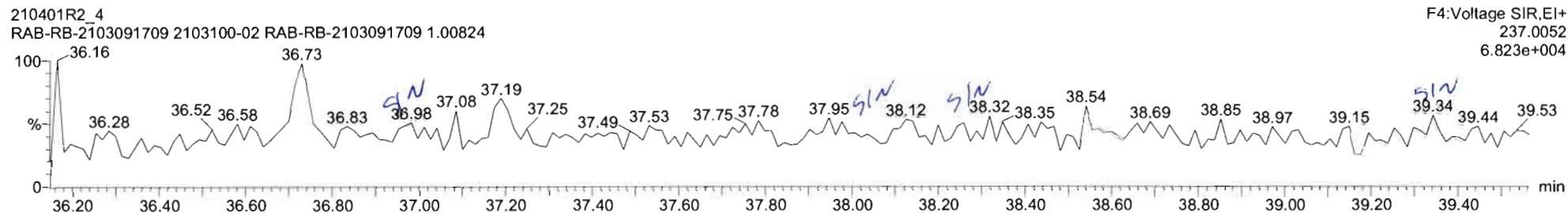
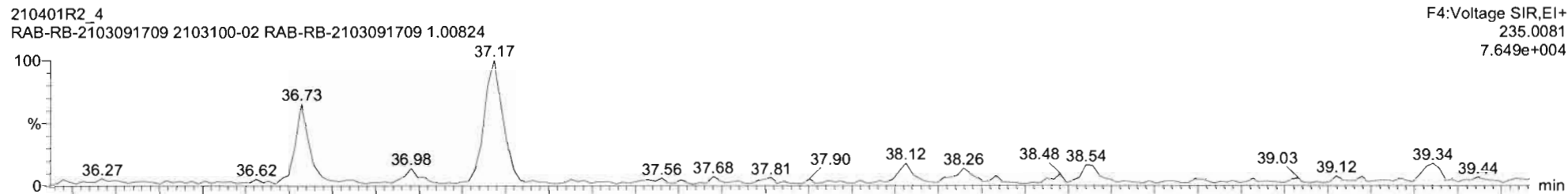
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Last Altered: Thursday, April 01, 2021 15:12:58 Pacific Daylight Time

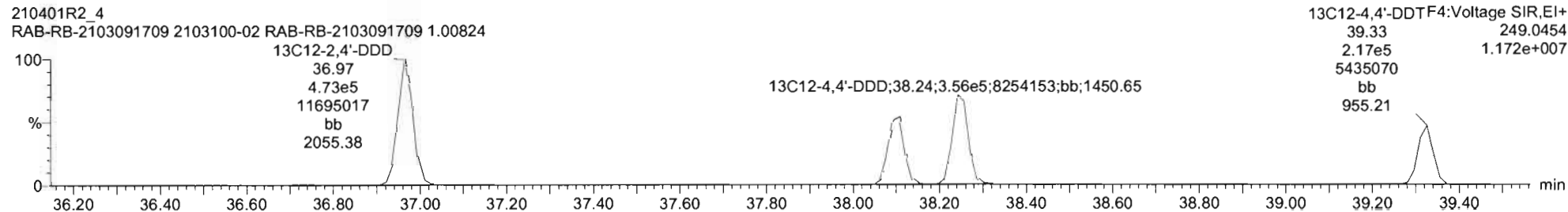
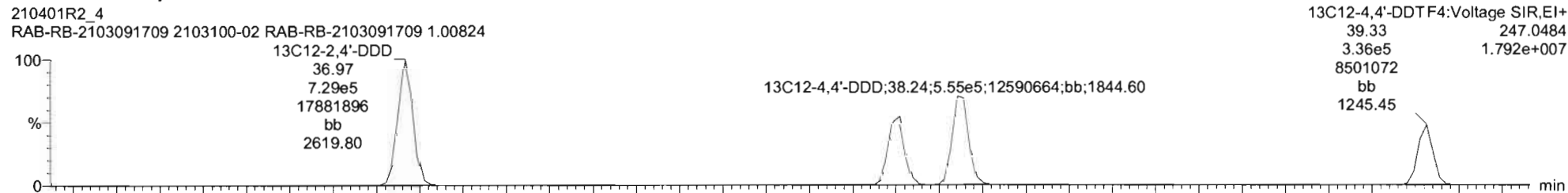
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Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

DDD-DDT



DDD-DDT-isotopes



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_4.qld

Last Altered: Thursday, April 01, 2021 15:12:58 Pacific Daylight Time

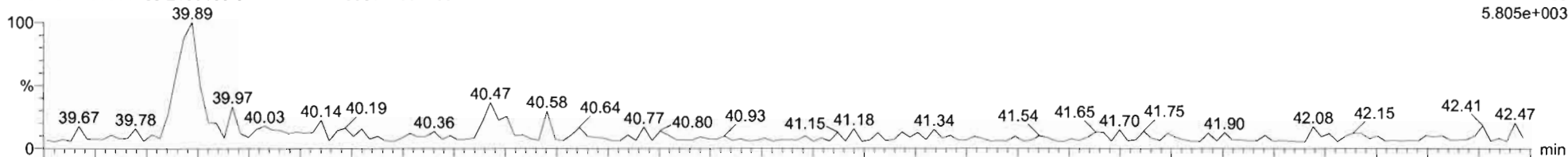
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Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

Endosulfan Sulfate

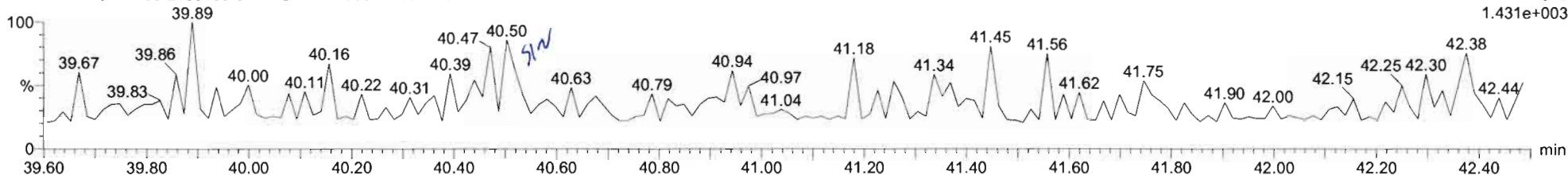
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F5:Voltage SIR,EI+
262.8569
5.805e+003



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

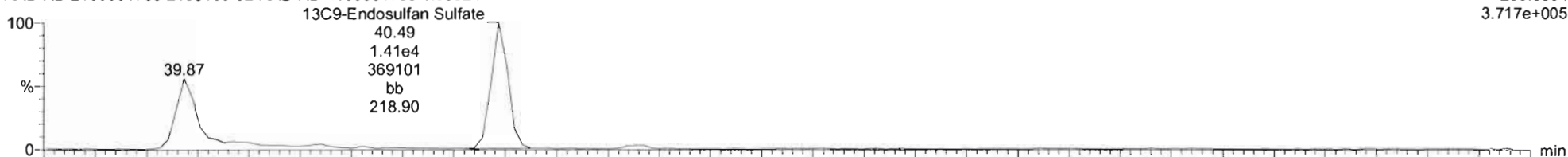
F5:Voltage SIR,EI+
264.8540
1.431e+003



13C9-Endosulfan Sulfate

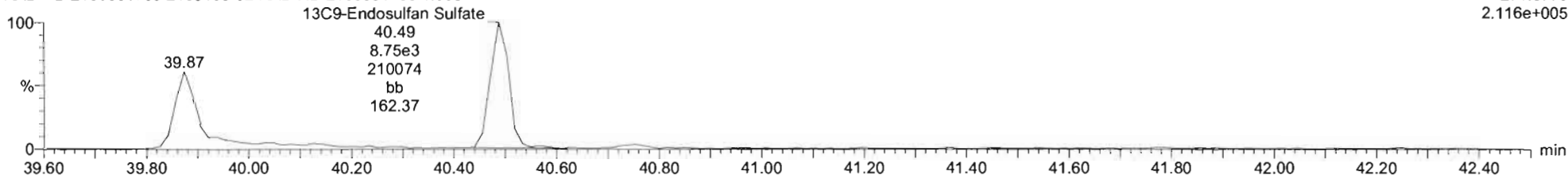
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F5:Voltage SIR,EI+
269.8804
3.717e+005



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F5:Voltage SIR,EI+
271.8775
2.116e+005



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_4.qld

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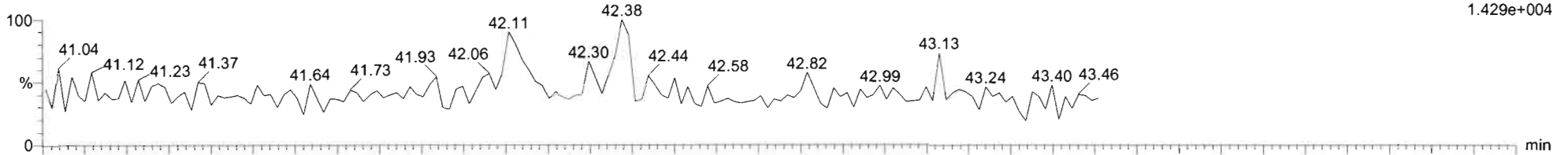
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Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

4,4'-Methoxychlor

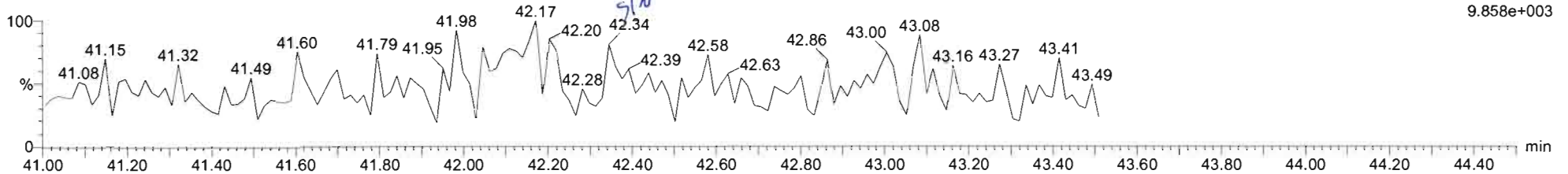
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F5:Voltage SIR,El+
227.1072
1.429e+004



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

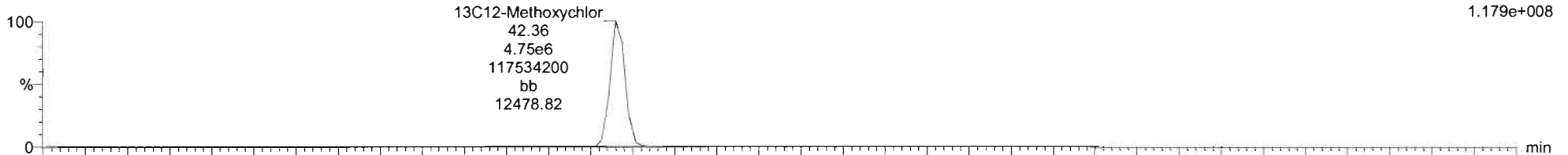
F5:Voltage SIR,El+
228.1106
9.858e+003



13C12-Methoxychlor

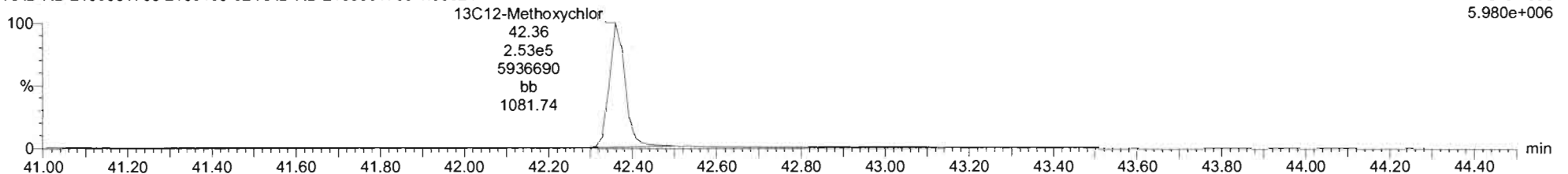
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F5:Voltage SIR,El+
239.1475
1.179e+008



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F5:Voltage SIR,El+
240.1508
5.980e+006



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_4.qld

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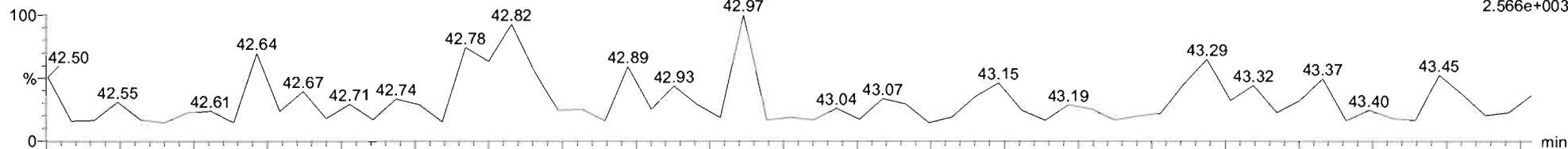
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Mirex

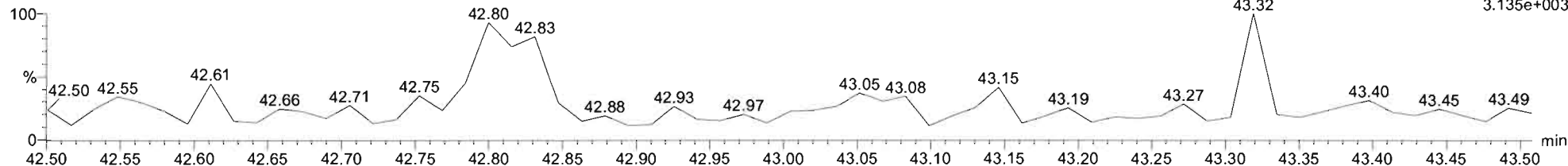
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F5:Voltage SIR,EI+
236.8413
2.566e+003



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

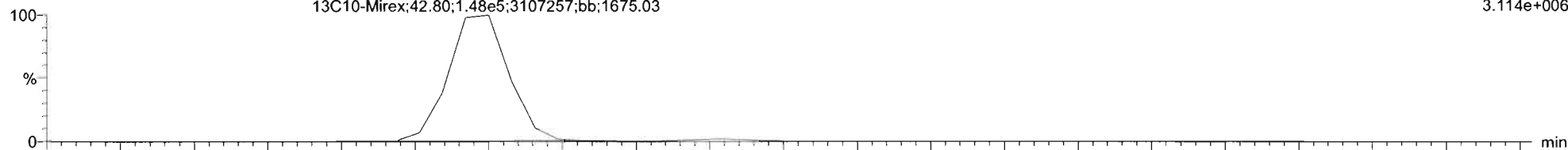
F5:Voltage SIR,EI+
238.8384
3.135e+003



13C10-Mirex

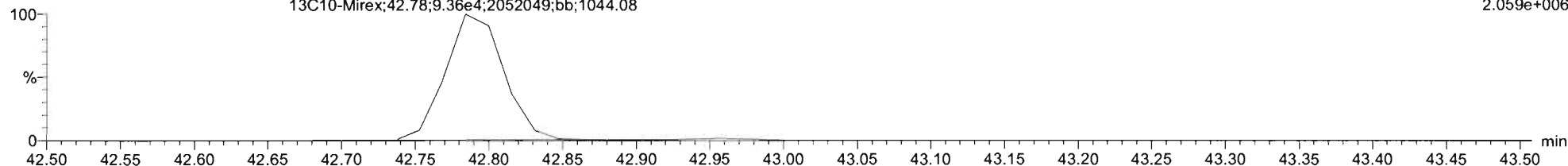
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824
13C10-Mirex;42.80;1.48e5;3107257;bb;1675.03

F5:Voltage SIR,EI+
241.8581
3.114e+006

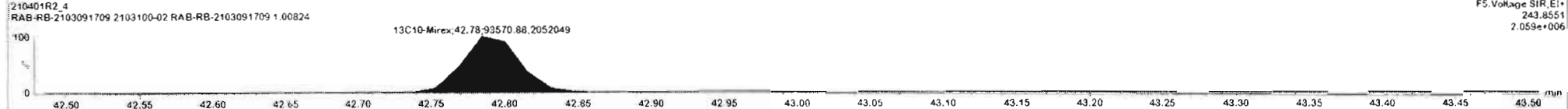
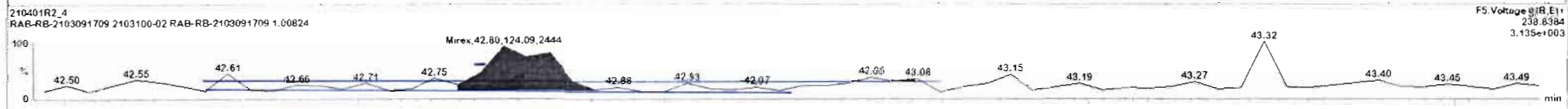
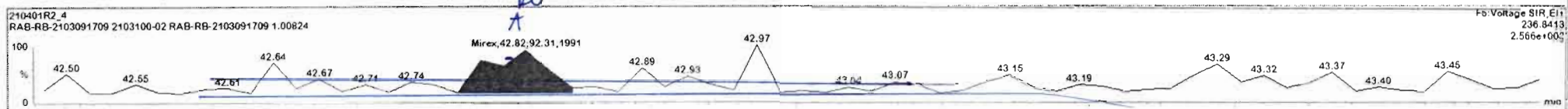


210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824
13C10-Mirex;42.78;9.36e4;2052049;bb;1044.08

F5:Voltage SIR,EI+
243.8551
2.059e+006



#	Name	Resp	IS	ISe	RA	nly	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc	%Rec	DL	EMPC
17	4'-DDMU		8.25e5	46		NO	0.4187	1.006	34.51			0.994	YES			2.13	
18	2,4-DDE		8.25e5	46		NO	1.0066	1.006	34.72			1.000	YES			2.57	
19	4,4-DDE	3.24e3	1.22e6	47	1.48	NO	1.0094	1.006	35.83	35.83	1.000	1.000	NO	2.58		1.18	2.58
20	Dieldrin	2.21e2	1.49e5	48	2.03	YES	1.0010	1.006	36.29	36.30	1.001	1.000	NO	2.14		0.864	1.81
21	Endrin	2.00e2	9.17e4	48	2.10	ES	0.9769	1.006	37.68	37.71	1.000	1.000	NO	2.22		1.44	1.83
22	cis-Nonachlor	6.93e1	6.90e4	50	2.01	ES	1.0113	1.006	38.62	38.02	1.000	1.000	NO	1.41		1.77	1.20
23	Endosulfan II (beta)	6.23e2	1.69e4	51	2.98	ES	1.0079	1.006	38.73	38.73	1.000	1.000	NO	24.5		7.17	16.3
24	2,4-DDD		1.20e6	52		NO	0.7794	1.006	38.97			1.000	YES			1.71	
25	2,4-DDT		6.55e5	53		NO	0.7508	1.006	38.13			1.000	YES			3.27	
26	4,4-DDD		9.11e5	54		NO	0.8433	1.006	38.26			1.000	YES			2.78	
27	4,4-DDT		5.53e5	55		NO	0.8412	1.006	38.35			1.000	YES			3.33	
28	Endosulfan Sulfate		2.29e4	56		NO	1.0514	1.006	40.45			1.000	YES			3.58	
29	2,4-Methoxychlor		5.00e8	57		NO	0.9927	1.006	42.37			1.000	YES			1.20	
30	Mirex	2.16e2	2.42e5	58	0.74	YES	0.9793	1.006	42.82	42.82	1.000	1.000	NO	0.987		0.831	0.635
31	Endrin Alderhyde	1.59e2	3.07e5	58	1.69	YES	0.9721	1.006	39.89	39.90	1.001	1.000	NO	5.14		4.45	3.12
32	Endrin Ketone	1.72e2	4.19e5	60	1.81	YES	0.8951	1.006	42.96	42.96	1.000	1.000	NO	4.78		2.77	2.97
33	13C4-Hexachlorobutadi.	1.33e6	2.24e8	62	1.19	NO	0.8833	1.006	9.60	9.57	0.986	0.981	NO	7850	71.0	0.378	
34	13C5-Hexachlorobenz	1.33e6	2.24e8	62	1.28	NO	0.8845	1.006	21.43	21.42	0.973	0.873	NO	888	89.2	0.9574	



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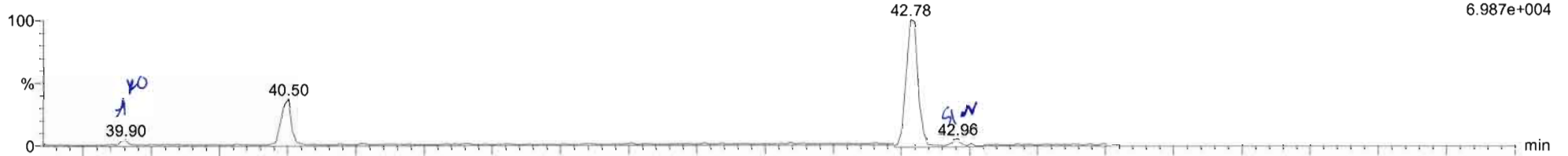
Printed: Thursday, April 01, 2021 17:51:31 Pacific Daylight Time

Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

EA-EK

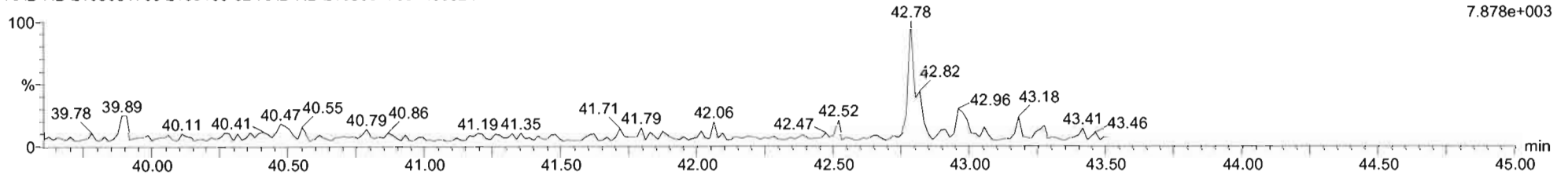
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F5:Voltage SIR,EI+
247.8521
6.987e+004



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

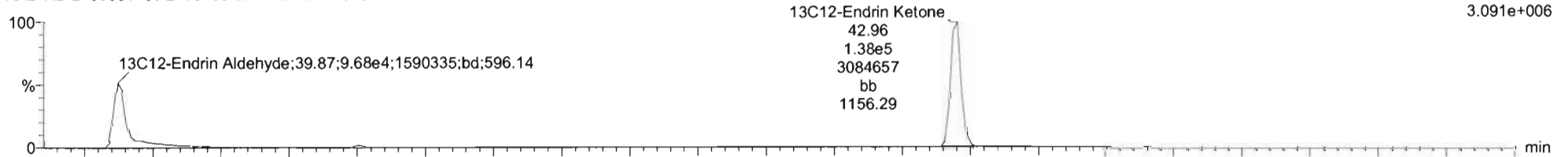
F5:Voltage SIR,EI+
249.8491
7.878e+003



EA-EK-isotopes

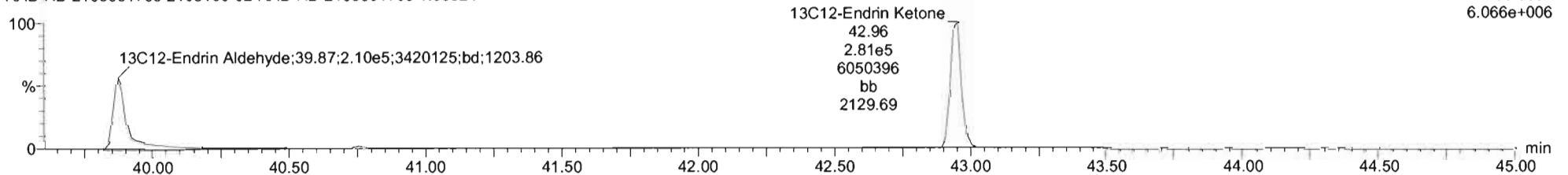
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F5:Voltage SIR,EI+
253.8722
3.091e+006



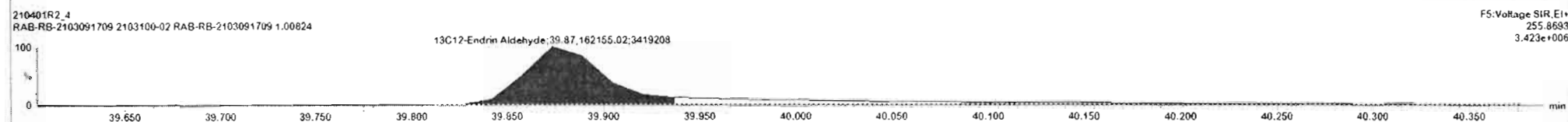
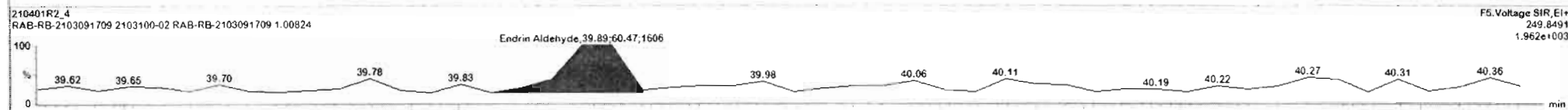
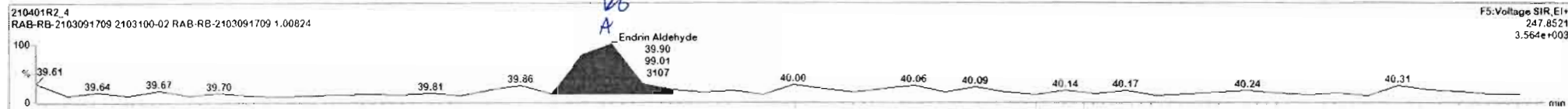
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RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F5:Voltage SIR,EI+
255.8693
6.066e+006

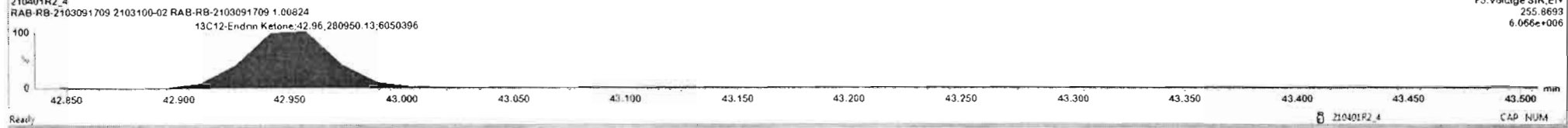
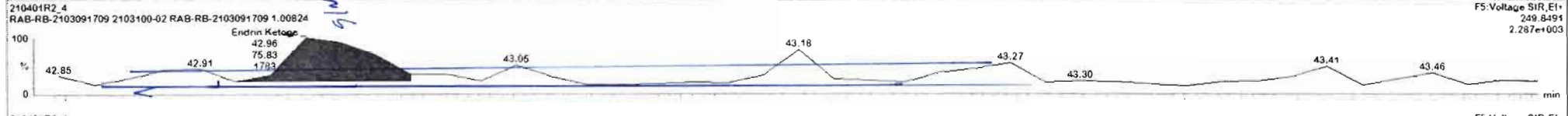
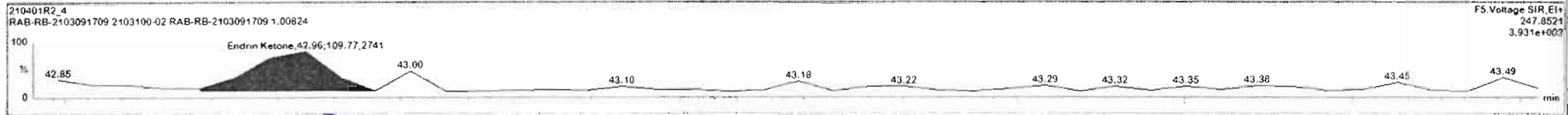


210401R2_4 - 2103100-02 RAB-RB-2103091709 1.00824 - RAB-RB-2103091709

#	Name	Resp	IS Resp	IS#	RA	My	RRF	wVcl	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
43	13C10-trans-Chlordane	4.41e4	2.24e6	62	1.73	NO	0.0305	1.008	33.97	33.99	1.306	1.305	NO	638	64.3	5.96	
44	13C10-trans-Nonachlor	4.89e4	2.24e6	62	1.76	NO	0.0358	1.008	34.18	34.20	1.294	1.292	NO	620	62.5	6.12	
45	13C9-Endosulfan I (alp...	3.31e4	2.24e6	62	1.70	NO	0.0263	1.008	34.76	34.78	1.418	1.417	NO	555	56.0	6.92	
46	13C12-2,4-DDE	6.25e4	2.24e6	62	1.57	NO	0.8745	1.006	34.71	34.71	3.598	2.958	NO	216	21.8	1.39	
47	13C12-4,4-DDE	1.23e5	2.24e6	62	1.60	NO	0.6370	1.006	35.82	35.82	1.928	1.028	NO	855	86.2	1.31	
48	13C12-Endrin	1.49e5	2.24e6	62	1.62	NO	0.0741	1.008	36.27	36.27	1.041	1.041	NO	656	69.3	3.25	
49	13C12-Endrin	9.17e4	2.24e6	62	1.64	NO	0.0648	1.008	37.89	37.89	1.082	1.082	NO	625	62.1	3.27	
50	13C10-cis-Nonachlor	6.30e4	2.24e6	62	1.66	NO	0.0408	1.006	38.01	38.01	1.091	1.091	NO	749	75.5	6.16	
51	13C9-Endosulfan I	1.59e4	2.24e6	62	1.59	NO	0.0130	1.008	38.73	38.73	1.112	1.112	NO	574	57.9	19.3	
52	13C12-2,4-DDD	1.22e5	2.24e6	62	1.54	NO	0.6665	1.008	38.95	38.97	1.507	1.506	NO	774	78.0	1.34	
53	13C12-2,4-DDT	6.95e5	2.24e6	62	1.54	NO	0.3825	1.006	38.88	38.11	1.553	1.562	NO	863	89.9	2.41	
54	13C12-4,4-DDD	5.11e5	2.24e6	62	1.56	NO	0.5919	1.006	38.21	38.24	1.559	1.558	NO	686	68.6	1.56	
55	13C12-4,4-DDT	6.53e5	2.24e6	62	1.55	NO	0.2813	1.008	39.30	39.33	1.603	1.602	NO	870	87.7	3.27	
56	13C9-Endosulfan Sulfate	2.29e4	2.24e6	62	1.81	NO	0.0163	1.008	40.49	40.49	1.102	1.102	NO	618	62.3	13.4	
57	13C12-Methoxychlor	5.50e5	2.24e6	62	1.82	NO	0.2972	1.008	42.36	42.36	1.215	1.215	NO	7440	76.0	3.69	
58	13C10-Alrex	2.42e5	2.24e6	62	1.68	NO	0.1771	1.006	42.80	42.80	1.225	1.225	NO	693	69.7	1.59	
59	13C12-Endrin Aldehyde	2.38e5	2.24e6	62	0.47	NO	0.0232	1.006	39.88	39.87	1.144	1.145	NO	3630	36.3	13.9	
60	13C12-Endrin Ketone	4.19e5	2.24e6	62	0.49	NO	0.0271	1.008	42.94	42.96	1.232	1.232	NO	6840	69.0	15.0	



#	Name	Resp	IS Resp	ISB	RA	ivly	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	Ds	EMPC
31	31 Endrin Aldenylde	1.59e2	2.20e5	58	1.84	YES	0.9721	1.008	39.89	39.90	1.001	1.000	NO	6.84		4.49	4.23
32	32 Endrin Ketone	1.86e2	4.19e5	60	1.45	YES	0.8551	1.008	42.96	42.96	1.000	1.000	NO	5.13		2.73	3.42
33	33 13C4-Hexachlorotoluene	1.33e5	2.74e6	62	1.19	NO	0.0833	1.006	9.60	9.57	0.990	0.981	NO	7050	71.0	0.279	
34	34 13C6-Hexachlorotenz	1.03e5	2.24e6	62	1.26	NO	0.6645	1.006	21.43	21.42	0.973	0.973	NO	686	69.2	0.0574	
35	35 13C6-Alpha-BHC	0.89e5	2.24e6	62	0.76	NO	0.2234	1.006	21.63	21.95	0.895	0.864	NO	729	73.5	2.26	
36	36 13C6-Lindane-gamma	2.94e5	2.24e6	62	0.75	NO	0.1684	1.006	24.98	25.00	1.019	1.018	NO	771	77.7	3.00	
37	37 13C6-Beta-BHC	2.02e5	2.24e6	62	0.77	NO	0.1291	1.006	27.15	27.17	1.107	1.107	NO	692	69.8	3.91	
38	38 13C6-Delta-BHC	2.38e5	2.24e6	62	0.76	NO	0.1507	1.006	28.93	29.95	1.180	1.179	NO	697	70.3	3.35	
39	39 13C10-Heptachlor	8.99e4	2.24e6	62	1.21	NO	0.0852	1.006	27.29	27.27	1.111	1.111	NO	618	62.2	0.758	
40	40 13C12-Aldrin	1.65e5	2.24e6	62	1.70	NO	0.1351	1.006	29.49	29.50	1.002	1.002	NO	638	64.3	1.35	
41	41 13C10-Dieldrin	5.37e4	2.24e6	62	1.62	NO	0.0343	1.006	32.21	32.24	1.314	1.313	NO	693	69.8	5.31	
42	42 13C10-cis-Heptachlor	7.23e4	2.24e6	62	1.76	NO	0.0442	1.006	32.02	33.04	1.247	1.246	NO	718	72.4	4.09	
43	43 13C10-trans-Chlordane	4.41e4	2.24e6	62	1.73	NO	0.0305	1.006	32.97	33.99	1.385	1.385	NO	638	64.2	5.96	
44	44 13C10-trans-Nonachlor	4.99e4	2.24e6	62	1.76	NO	0.0356	1.006	34.16	34.20	1.384	1.383	NO	620	62.5	5.12	
45	45 13C9-Endosulfan (alp)	2.31e4	2.24e6	62	1.70	NO	0.0263	1.006	34.76	34.78	1.418	1.417	NO	555	56.0	6.92	
46	46 13C12-2,4-DCB	6.25e5	2.24e6	62	1.57	NO	0.8745	1.005	34.71	34.71	0.998	0.998	NO	316	31.8	1.39	
47	47 13C12-4,4-DCB	1.23e5	2.24e6	62	1.60	NO	0.6370	1.006	35.62	35.82	1.028	1.028	NO	655	66.2	1.91	
48	48 13C12-Dieldrin	1.49e5	2.24e6	62	1.62	NO	0.0741	1.006	36.27	36.27	1.041	1.041	NO	686	69.3	3.39	



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_4.qld

Last Altered: Thursday, April 01, 2021 15:12:58 Pacific Daylight Time

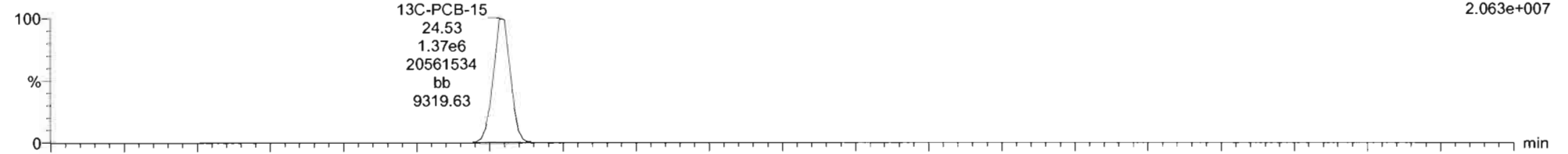
Printed: Thursday, April 01, 2021 17:51:31 Pacific Daylight Time

Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

13C-PCB-15

210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

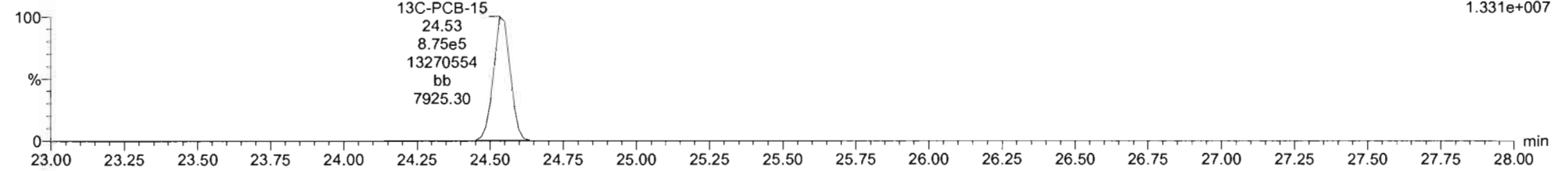
F2:Voltage SIR,EI+
234.0406
2.063e+007



210401R2_4

RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

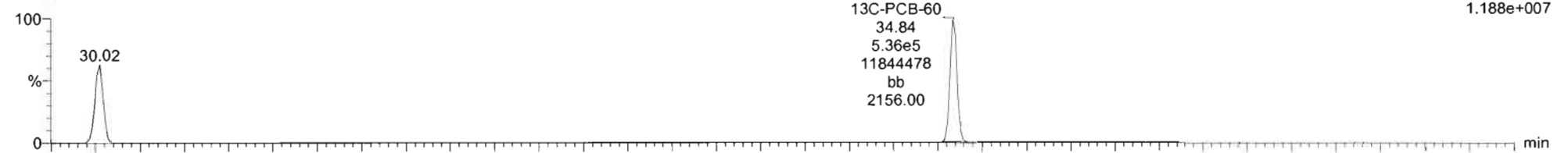
F2:Voltage SIR,EI+
236.0376
1.331e+007



13C-PCB-60

210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

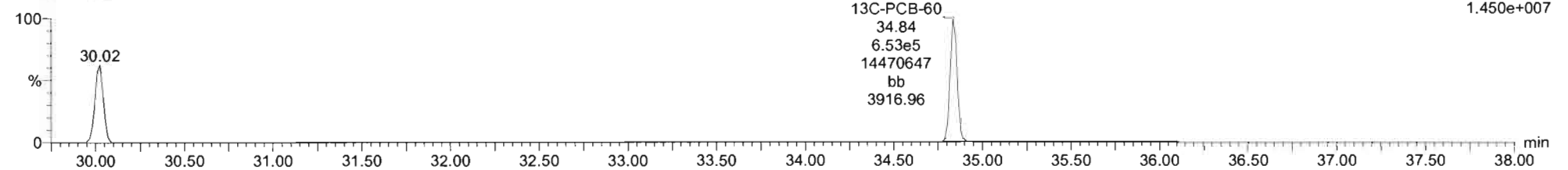
F3:Voltage SIR,EI+
301.9626
1.188e+007



210401R2_4

RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F3:Voltage SIR,EI+
303.9597
1.450e+007



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_4.qld

Last Altered: Thursday, April 01, 2021 15:12:58 Pacific Daylight Time

Printed: Thursday, April 01, 2021 17:51:31 Pacific Daylight Time

Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

13C-PCB-123

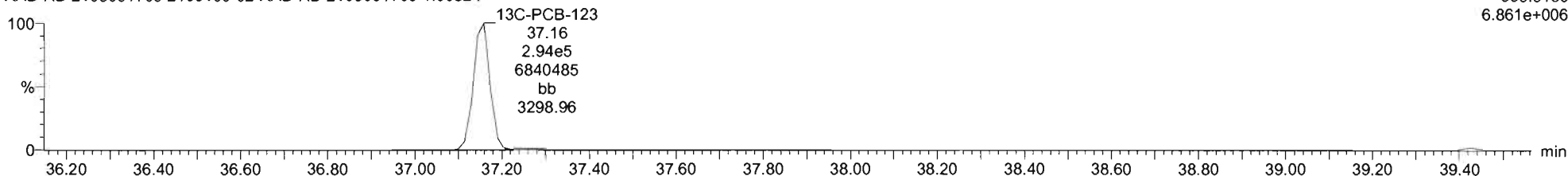
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F4:Voltage SIR,EI+
337.9210
1.196e+007



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

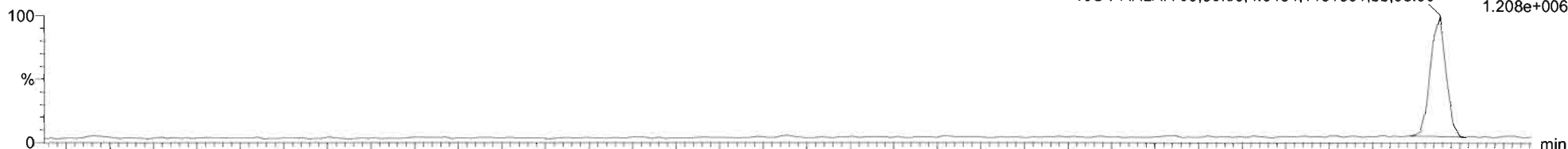
F4:Voltage SIR,EI+
339.9180
6.861e+006



13C-PARLAR 39

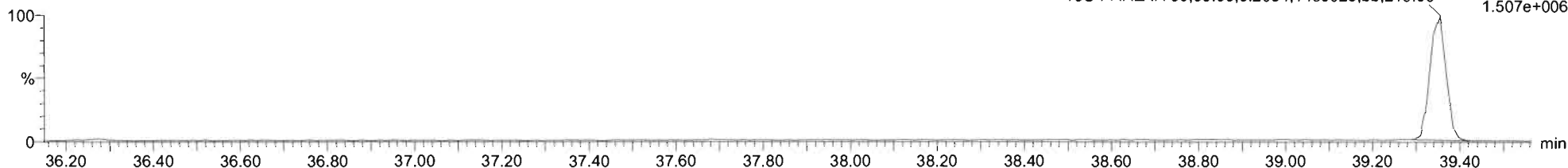
210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F4:Voltage SIR,EI+
251.9648
1.208e+006
13C-PARLAR 39;39.36;4.64e4;1151391;bb;98.90



210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

F4:Voltage SIR,EI+
253.9619
1.507e+006
13C-PARLAR 39;39.36;6.20e4;1489025;bb;219.96



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_4.qld

Last Altered: Thursday, April 01, 2021 15:12:58 Pacific Daylight Time

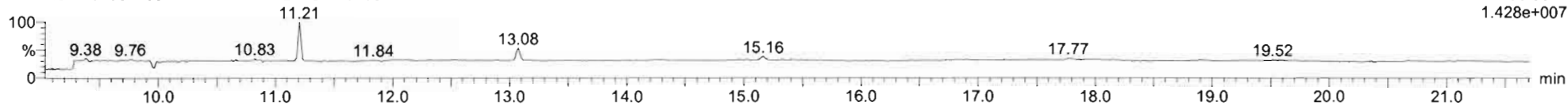
Printed: Thursday, April 01, 2021 17:51:31 Pacific Daylight Time

Name: 210401R2_4, Date: 01-Apr-2021, Time: 14:23:14, ID: 2103100-02 RAB-RB-2103091709 1.00824, Description: RAB-RB-2103091709

PFK1

210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

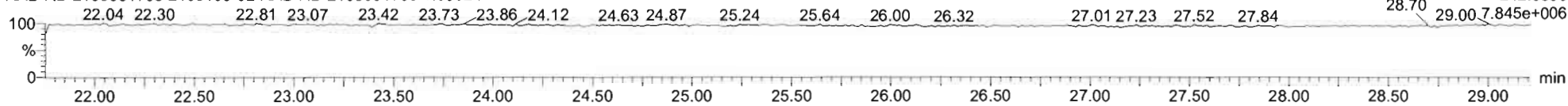
F1:Voltage SIR,EI+
268.9824
1.428e+007



PFK2

210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

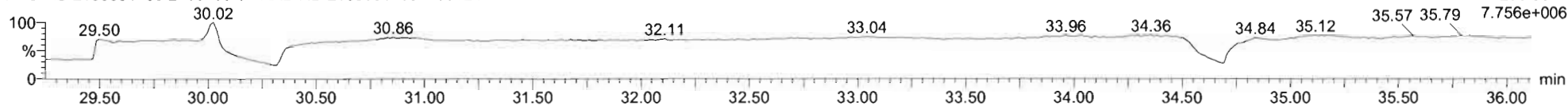
F2:Voltage SIR,EI+
242.9856
7.845e+006



PFK3

210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824

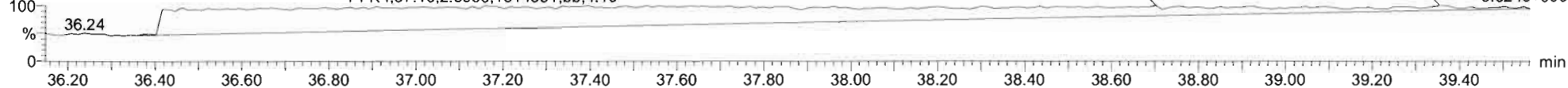
F3:Voltage SIR,EI+
268.9824
7.756e+006



PFK4

210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824
PFK4;37.16;2.89e6;1514391;bb;4.16

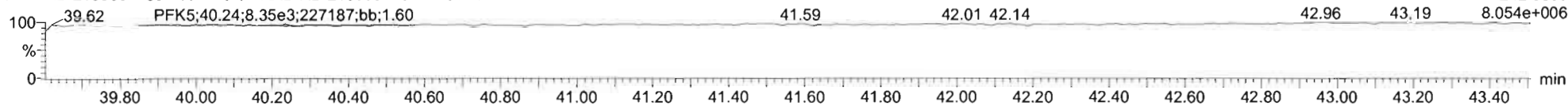
F4:Voltage SIR,EI+
242.9856
3.624e+006



PFK5

210401R2_4
RAB-RB-2103091709 2103100-02 RAB-RB-2103091709 1.00824
PFK5;40.24;8.35e3;227187;bb;1.60

F5:Voltage SIR,EI+
242.9856
8.054e+006



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST210315R3_1

Reviewed By: Hz 3-16-2021
Initials & Date

End Calibration ID: ST210315R4_1

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

	<u>Beg.</u>	<u>End</u>
Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GC Break <20%		<input checked="" type="checkbox"/>
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input checked="" type="checkbox"/>

Comments: 8290 & 1613 samples
 (A) Compounds out in end standard not needed for 1613 drinking water samples, still passes for 8290 HN 03/16/21

Dataset: U:\VG12.PRO\Results\210315R3\210315R3_1.qld

Last Altered: Monday, March 15, 2021 4:07:06 PM Pacific Daylight Time
Printed: Tuesday, March 16, 2021 9:27:39 AM Pacific Daylight Time

LIN 03/16/21

H2 3.16.2021

Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	9.03e4	9.50e5	0.75	NO	1.01	26.00	25.98	NO	1.001	1.001	9.4260	94.3	NO
2	2 1,2,3,7,8-PeCDD	3.03e5	6.02e5	0.62	NO	0.995	30.91	30.90	NO	1.001	1.000	50.573	101	NO
3	3 1,2,3,4,7,8-HxCDD	2.35e5	4.23e5	1.26	NO	1.06	34.21	34.21	NO	1.001	1.001	52.654	105	NO
4	4 1,2,3,6,7,8-HxCDD	2.43e5	4.85e5	1.26	NO	0.940	34.33	34.33	NO	1.001	1.001	53.244	106	NO
5	5 1,2,3,7,8,9-HxCDD	2.35e5	4.58e5	1.26	NO	0.957	34.58	34.58	NO	1.000	1.000	53.540	107	NO
6	6 1,2,3,4,6,7,8-HpCDD	1.60e5	3.19e5	1.04	NO	0.960	38.07	38.07	NO	1.000	1.000	52.368	105	NO
7	7 OCDD	2.75e5	5.65e5	0.88	NO	0.912	40.99	40.99	NO	1.000	1.000	106.90	107	NO
8	8 2,3,7,8-TCDF	1.19e5	1.40e6	0.75	NO	0.804	25.21	25.24	NO	1.000	1.001	10.536	105	NO
9	9 1,2,3,7,8-PeCDF	4.99e5	9.59e5	1.59	NO	0.994	29.59	29.60	NO	1.000	1.000	52.358	105	NO
10	10 2,3,4,7,8-PeCDF	5.23e5	8.92e5	1.58	NO	1.14	30.69	30.69	NO	1.001	1.000	51.707	103	NO
11	11 1,2,3,4,7,8-HxCDF	3.22e5	6.05e5	1.24	NO	0.956	33.32	33.32	NO	1.000	1.000	55.737	111	NO
12	12 1,2,3,6,7,8-HxCDF	3.51e5	6.97e5	1.23	NO	0.906	33.46	33.45	NO	1.001	1.000	55.529	111	NO
13	13 2,3,4,6,7,8-HxCDF	3.20e5	5.88e5	1.22	NO	0.963	34.10	34.10	NO	1.001	1.000	56.483	113	NO
14	14 1,2,3,7,8,9-HxCDF	2.61e5	5.06e5	1.25	NO	0.927	35.06	35.06	NO	1.000	1.000	55.535	111	NO
15	15 1,2,3,4,6,7,8-HpCDF	2.26e5	4.33e5	1.03	NO	0.957	36.58	36.59	NO	1.000	1.001	54.580	109	NO
16	16 1,2,3,4,7,8,9-HpCDF	1.90e5	3.06e5	1.03	NO	1.10	38.75	38.75	NO	1.000	1.000	56.779	114	NO
17	17 OCDF	3.26e5	7.48e5	0.87	NO	0.775	41.26	41.26	NO	1.000	1.000	112.44	112	NO
18	18 13C-2,3,7,8-TCDD	9.50e5	8.23e5	0.83	NO	1.15	25.96	25.97	NO	1.033	1.033	100.23	100	NO
19	19 13C-1,2,3,7,8-PeCDD	6.02e5	8.23e5	0.64	NO	0.830	30.88	30.88	NO	1.228	1.229	88.070	88.1	NO
20	20 13C-1,2,3,4,7,8-HxCDD	4.23e5	6.63e5	1.31	NO	0.703	34.22	34.19	NO	1.014	1.013	90.676	90.7	NO
21	21 13C-1,2,3,6,7,8-HxCDD	4.85e5	6.63e5	1.26	NO	0.809	34.32	34.31	NO	1.017	1.017	90.380	90.4	NO
22	22 13C-1,2,3,7,8,9-HxCDD	4.58e5	6.63e5	1.26	NO	0.733	34.59	34.57	NO	1.025	1.025	94.208	94.2	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.19e5	6.63e5	1.05	NO	0.497	38.21	38.06	NO	1.133	1.128	96.796	96.8	NO
24	24 13C-OCDD	5.65e5	6.63e5	0.89	NO	0.462	40.94	40.98	NO	1.214	1.214	184.25	92.1	NO
25	25 13C-2,3,7,8-TCDF	1.40e6	1.38e6	0.82	NO	0.977	25.23	25.21	NO	1.003	1.003	103.65	104	NO
26	26 13C-1,2,3,7,8-PeCDF	9.59e5	1.38e6	1.62	NO	0.759	29.57	29.59	NO	1.176	1.177	91.340	91.3	NO
27	27 13C-2,3,4,7,8-PeCDF	8.92e5	1.38e6	1.63	NO	0.657	30.69	30.67	NO	1.221	1.220	98.239	98.2	NO
28	28 13C-1,2,3,4,7,8-HxCDF	6.05e5	6.63e5	0.51	NO	0.950	33.30	33.31	NO	0.987	0.987	96.114	96.1	NO
29	29 13C-1,2,3,6,7,8-HxCDF	6.97e5	6.63e5	0.51	NO	1.10	33.43	33.44	NO	0.991	0.991	95.787	95.8	NO
30	30 13C-2,3,4,6,7,8-HxCDF	5.88e5	6.63e5	0.51	NO	0.957	34.10	34.08	NO	1.011	1.010	92.631	92.6	NO
31	31 13C-1,2,3,7,8,9-HxCDF	5.06e5	6.63e5	0.51	NO	0.821	35.08	35.05	NO	1.040	1.039	93.072	93.1	NO

Dataset: U:\VG12.PRO\Results\210315R3\210315R3_1.qld

Last Altered: Monday, March 15, 2021 4:07:06 PM Pacific Daylight Time
Printed: Tuesday, March 16, 2021 9:27:39 AM Pacific Daylight Time

Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	13C-1,2,3,4,6,7,8-HpCDF	4.33e5	6.63e5	0.44	NO	0.663	36.64	36.57	NO	1.086	1.084	98.599	98.6	NO
33	13C-1,2,3,4,7,8,9-HpCDF	3.06e5	6.63e5	0.43	NO	0.475	38.90	38.74	NO	1.153	1.148	96.984	97.0	NO
34	13C-OCDF	7.48e5	6.63e5	0.89	NO	0.632	41.66	41.25	NO	1.235	1.223	178.43	89.2	NO
35	37Cl-2,3,7,8-TCDD	8.16e4	8.23e5			1.04	25.97	25.98	NO	1.033	1.033	9.5273	95.3	NO
36	13C-1,2,3,4-TCDD	8.23e5	8.23e5	0.83	NO	1.00	25.18	25.14	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	1.38e6	1.38e6	0.76	NO	1.00	23.54	23.47	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	6.63e5	6.63e5	0.51	NO	1.00	33.74	33.74	NO	1.000	1.000	100.00	100	YES

OK

Dataset: Untitled

Last Altered: Tuesday, March 16, 2021 11:35:40 Pacific Daylight Time
Printed: Tuesday, March 16, 2021 11:35:56 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 20 Feb 2021 13:45:10
Calibration: U:\VG12.PRO\CurveDB\ddbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

Compound name: 1,3,6,8-TCDD (First)

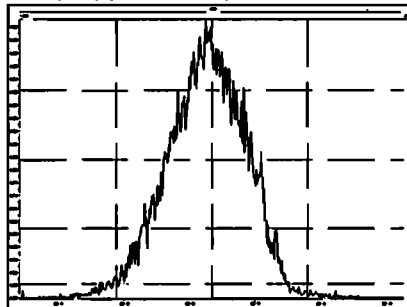
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1	210315R3_1	ST210315R3_1 1613 CS3 20H2521	15-Mar-21	15:17:51
2	210315R3_2	CPSM QC210315R3-1	15-Mar-21	16:08:07
3	210315R3_3	B1C0125-BS1 OPR 1	15-Mar-21	16:53:15
4	210315R3_4	B1C0065-BS1 OPR 1	15-Mar-21	17:37:33
5	210315R3_5	SOLVENT BLANK	15-Mar-21	18:21:56
6	210315R3_6	B1C0065-BLK1 Method Blank 1	15-Mar-21	19:06:27
7	210315R3_7	B1C0125-BLK1 Method Blank 1	15-Mar-21	19:50:59
8	210315R3_8	2103013-14@5X MWPS-GW-1349 0.90258	15-Mar-21	20:35:29
9	210315R3_9	2102118-02RE1@5X WC-C035-7-9 9.84	15-Mar-21	21:20:01
10	210315R3_10	2103034-01 Gish Rd 4 1.00179	15-Mar-21	22:04:36
11	210315R3_11	2103049-01 Biosolids 43.17	15-Mar-21	22:49:05
12	210315R3_12	2103049-01@10X Biosolids 43.17	15-Mar-21	23:33:37
13	210315R3_13	B1C0091-BS4 OPR 1	16-Mar-21	00:18:07
14	210315R3_14			
15	210315R3_15			
16	210315R3_16			
17	210315R4_1	SOLVENT BLANK	16-Mar-21	09:22:07
18	210315R4_2	ST210315R4_1 1613 CS3 20H2521	16-Mar-21	10:06:25
19	210315R4_3	CPSM QC210315R4-1	16-Mar-21	10:50:54

(A) Instrument paused, end resolution check printed,
solvent blank, end CCal, & CPSM injected. MW03/16/21

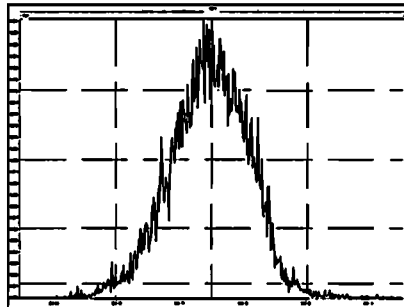
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, March 15, 2021 15:11:50 Pacific Daylight Time

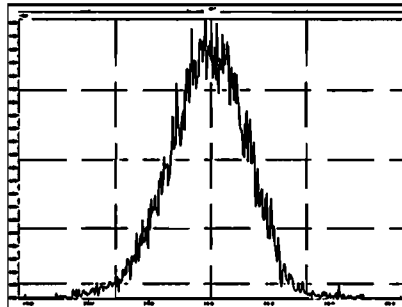
M 292.9824 R 11366



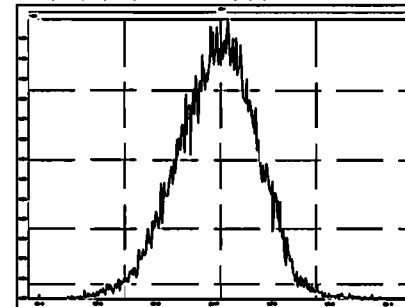
M 304.9824 R 11061



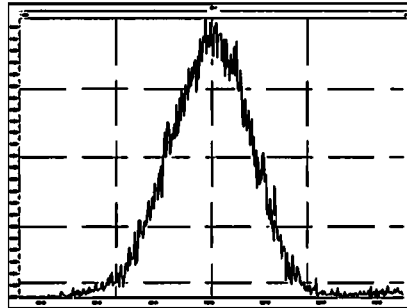
M 318.9792 R 11795



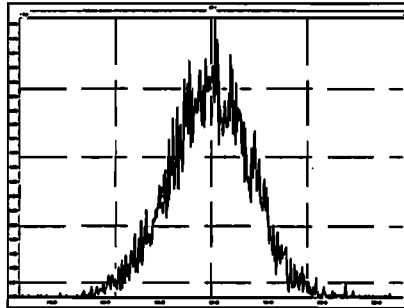
M 330.9792 R 10869



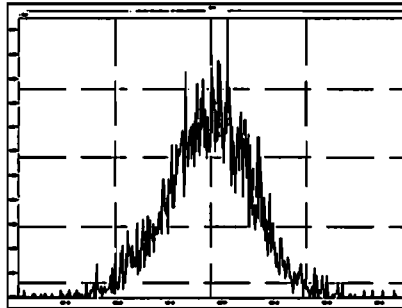
M 342.9792 R 10825



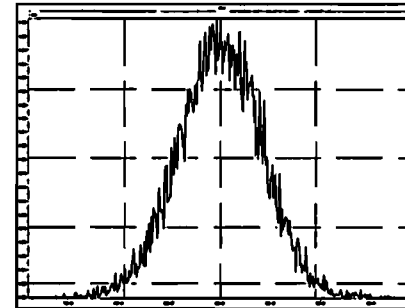
M 354.9792 R 11628



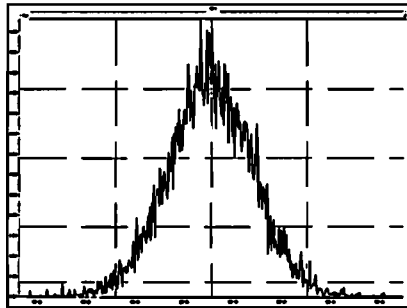
M 366.9792 R 10774



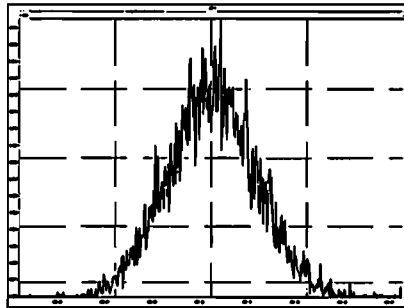
M 380.9760 R 10417



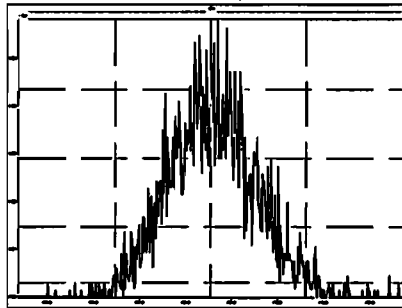
M 392.9760 R 10636



M 404.9760 R 10327



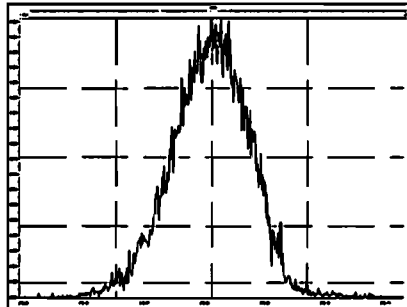
M 416.9760 R 10591



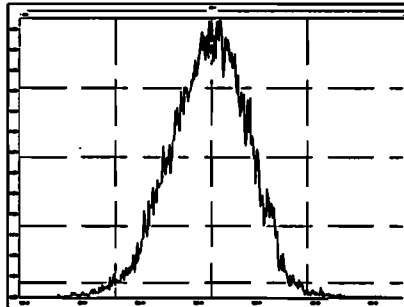
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, March 15, 2021 15:13:17 Pacific Daylight Time

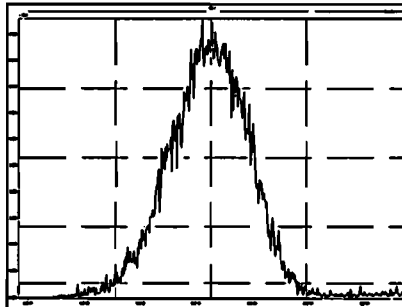
M 318.9792 R 11418



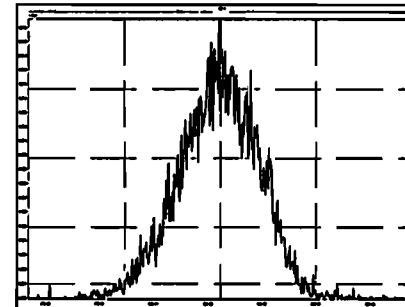
M 330.9792 R 10869



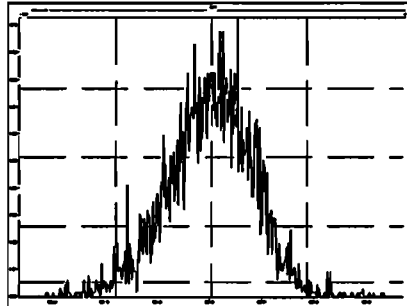
M 342.9792 R 10502



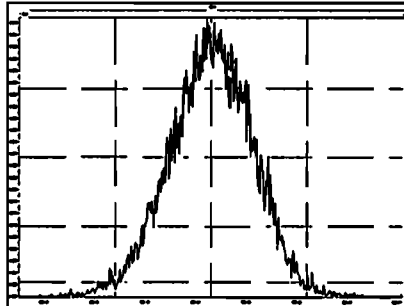
M 354.9792 R 10917



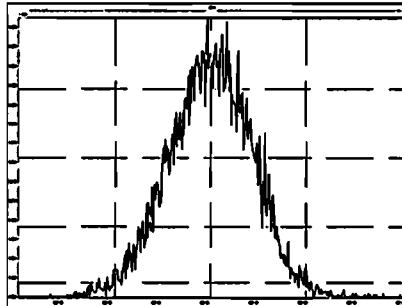
M 366.9792 R 12075



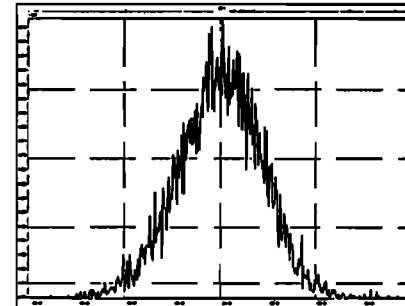
M 380.9760 R 10460



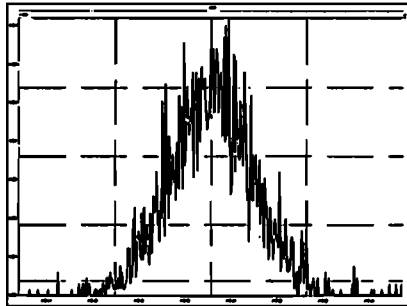
M 392.9760 R 10286



M 404.9760 R 10638



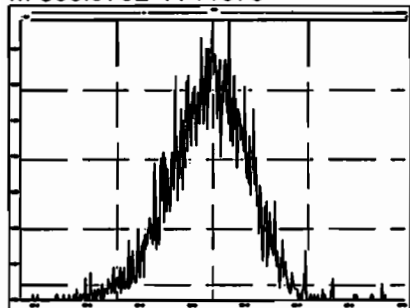
M 416.9760 R 11362



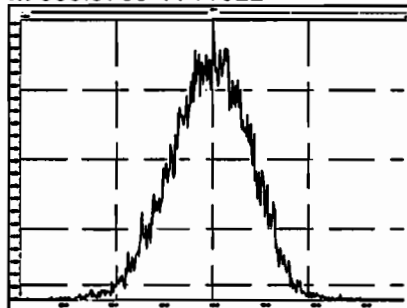
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, March 15, 2021 15:14:29 Pacific Daylight Time

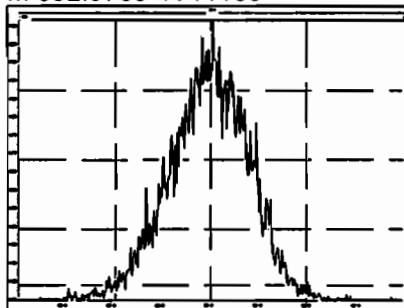
M 366.9792 R 11578



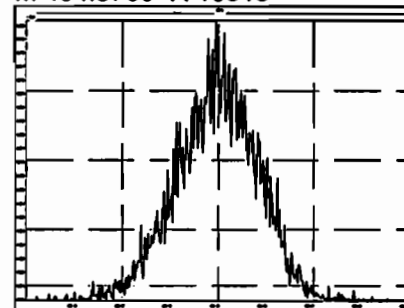
M 380.9760 R 11522



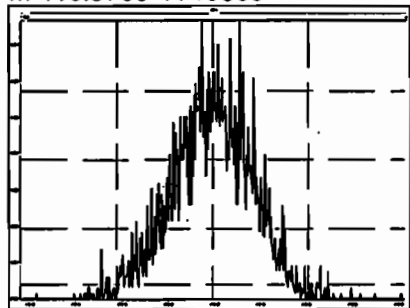
M 392.9760 R 11160



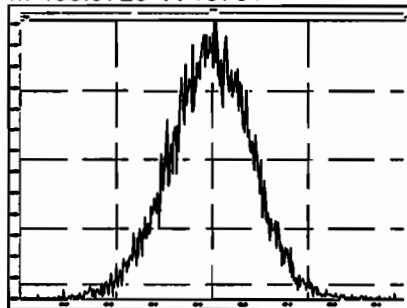
M 404.9760 R 10919



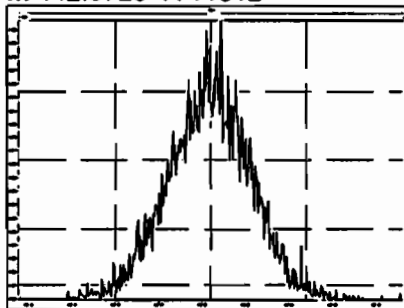
M 416.9760 R 10865



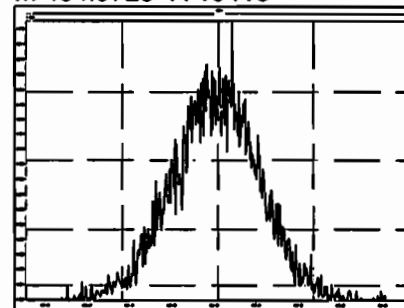
M 430.9728 R 10731



M 442.9728 R 11312



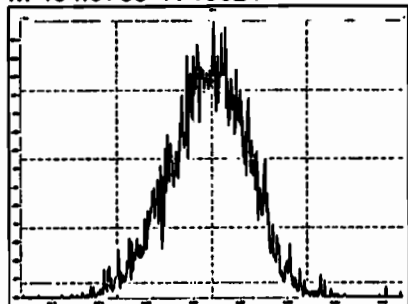
M 454.9728 R 10415



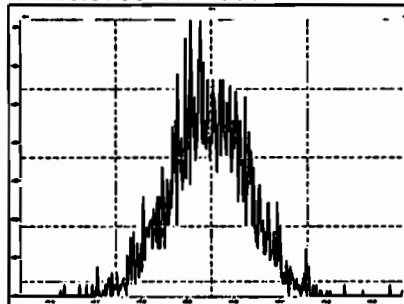
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, March 15, 2021 15:15:36 Pacific Daylight Time

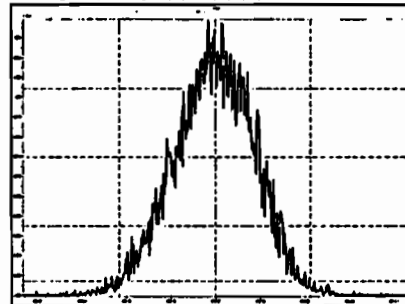
M 404.9760 R 10821



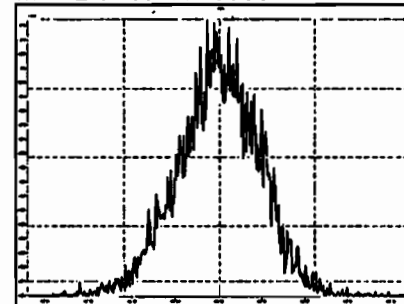
M 416.9760 R 11905



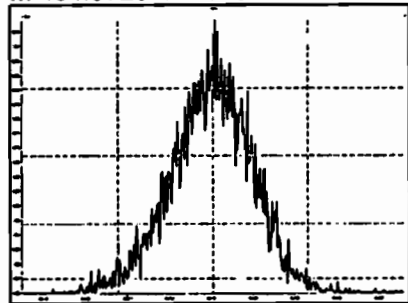
M 430.9728 R 10596



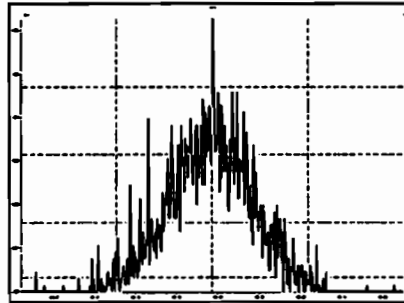
M 442.9728 R 10966



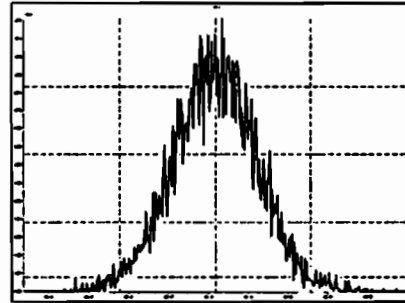
M 454.9728 R 10161



M 466.9728 R 11793



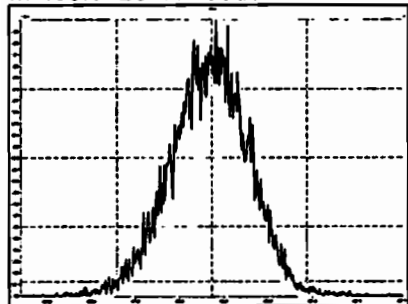
M 480.9696 R 10916



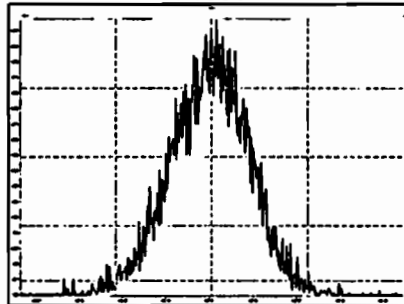
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Monday, March 15, 2021 15:16:36 Pacific Daylight Time

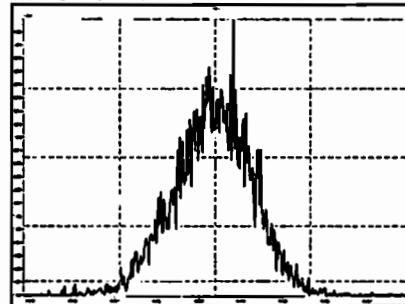
M 430.9728 R 10820



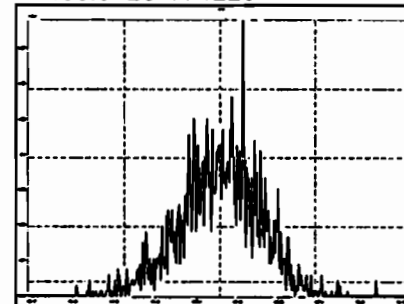
M 442.9728 R 10964



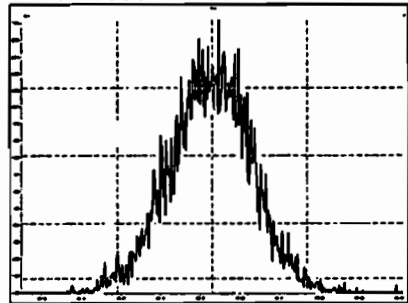
M 454.9728 R 10777



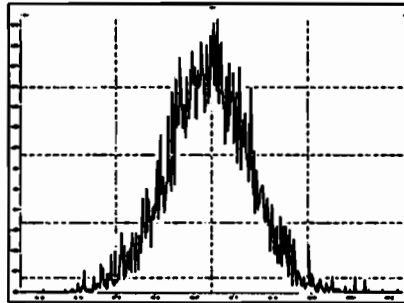
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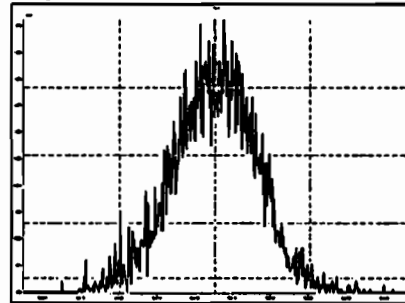
M 480.9696 R 10871



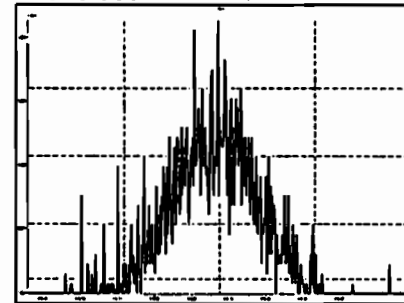
M 492.9696 R 10869



M 504.9696 R 11314



M 516.9697 R 12192



Dataset: Untitled

Last Altered: Monday, March 15, 2021 4:42:23 PM Pacific Daylight Time

Printed: Monday, March 15, 2021 4:43:10 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 20 Feb 2021 13:45:10

Calibration: U:\VG12.PRO\CurveDB\ddbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

#	Name	RT
1	1 1,3,6,8-TCDD (First)	21.77
2	2 1,2,8,9-TCDD (Last)	26.94
3	3 1,2,4,7,9-PeCDD (First)	28.56
4	4 1,2,3,8,9-PeCDD (Last)	31.26
5	5 1,2,4,6,7,9-HxCDD (First)	32.62
6	6 1,2,3,7,8,9-HxCDD (Last)	34.58
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.96
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.07
9	9 1,3,6,8-TCDF (First)	19.59
10	10 1,2,8,9-TCDF (Last)	27.27
11	11 1,3,4,6,8-PeCDF (First)	26.81
12	12 1,2,3,8,9-PeCDF (Last)	31.62
13	13 1,2,3,4,6,8-HxCDF (First)	32.06
14	14 1,2,3,7,8,9-HxCDF (Last)	35.06
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.59
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.75

Dataset: Untitled

Last Altered: Monday, March 15, 2021 4:42:23 PM Pacific Daylight Time
Printed: Monday, March 15, 2021 4:43:10 PM Pacific Daylight Time

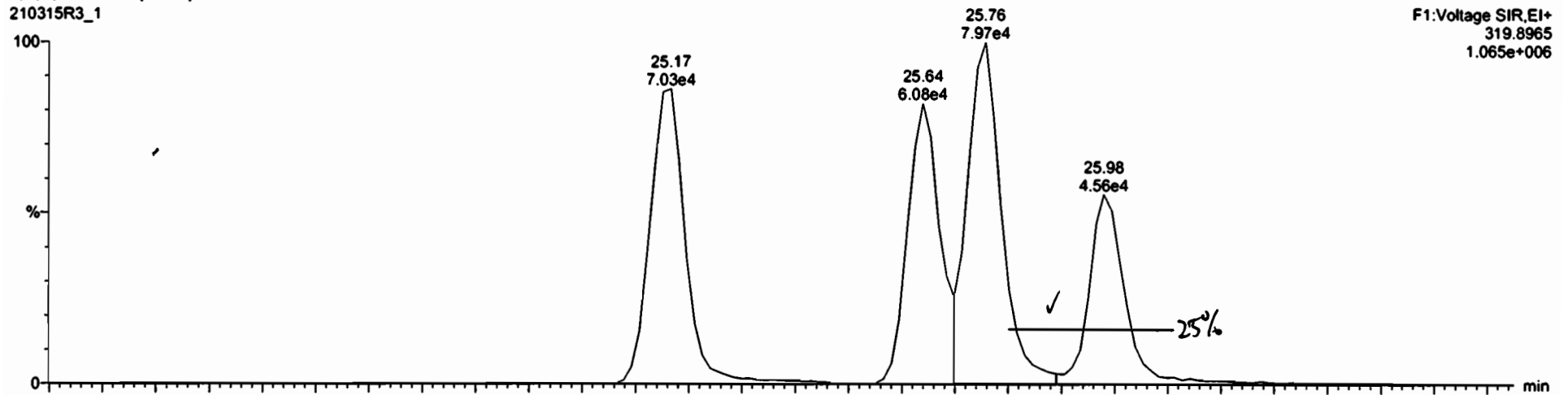
HN 03/15/21

Method: U:\VG12.PRO\MethDB\CPSM.mdb 20 Feb 2021 13:45:10
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

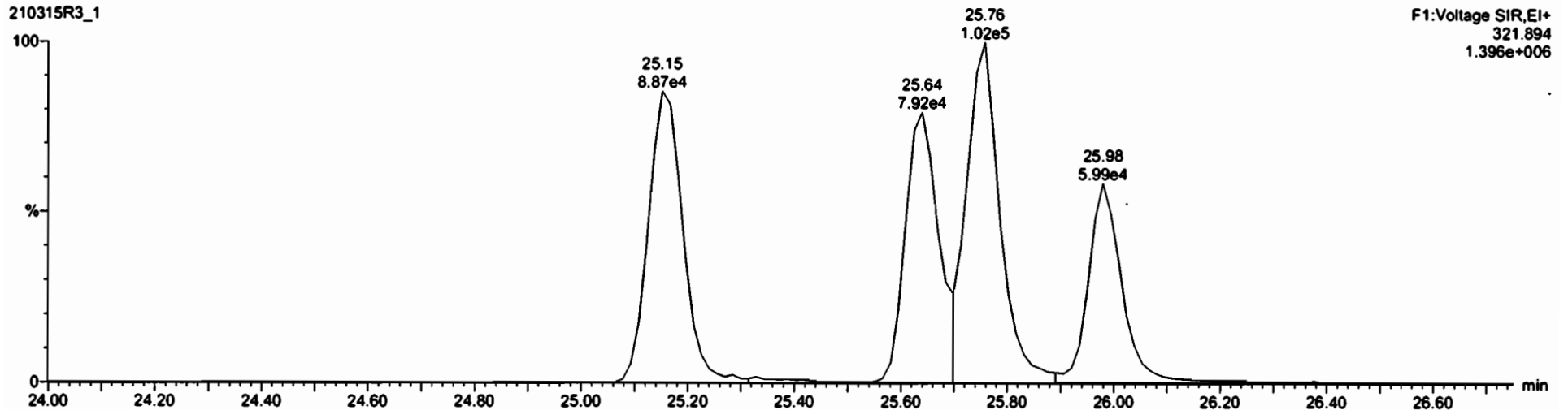
Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

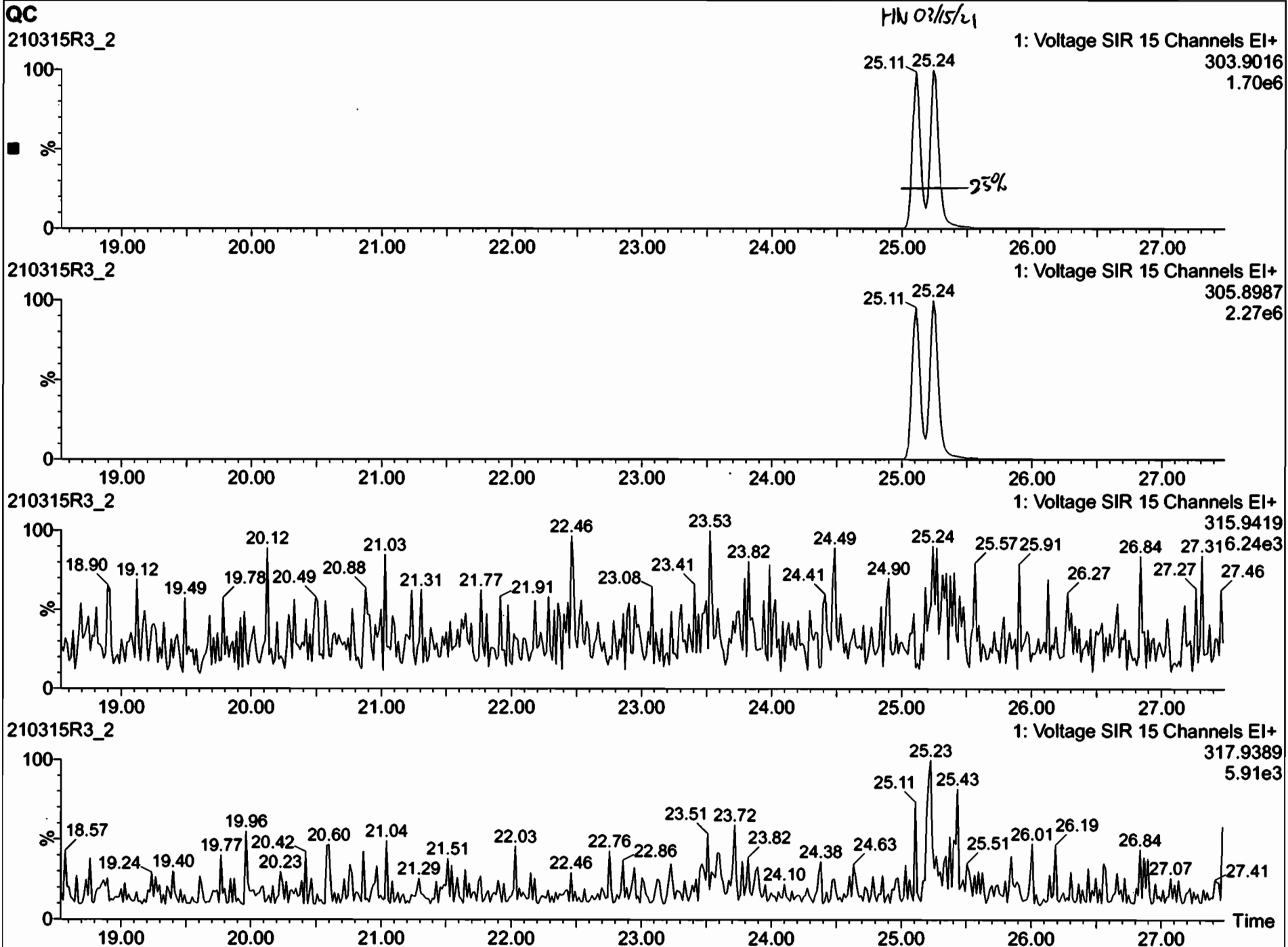
1,3,6,8-TCDD (First)

210315R3_1



210315R3_1





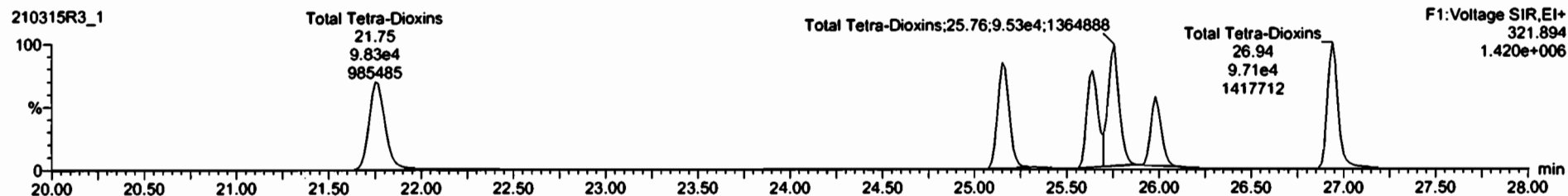
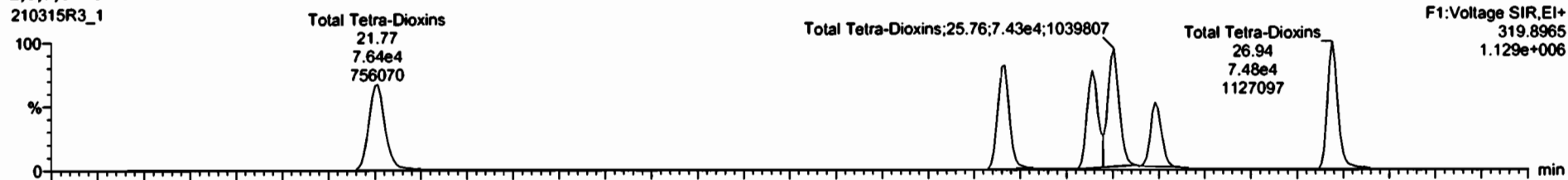
Dataset: Untitled

Last Altered: Monday, March 15, 2021 4:43:38 PM Pacific Daylight Time
Printed: Monday, March 15, 2021 4:43:49 PM Pacific Daylight Time

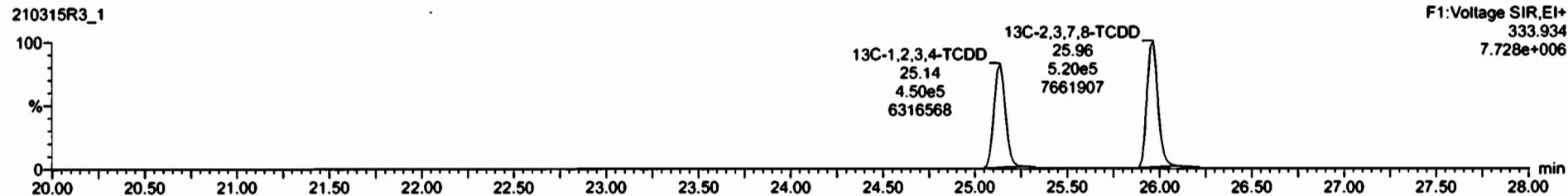
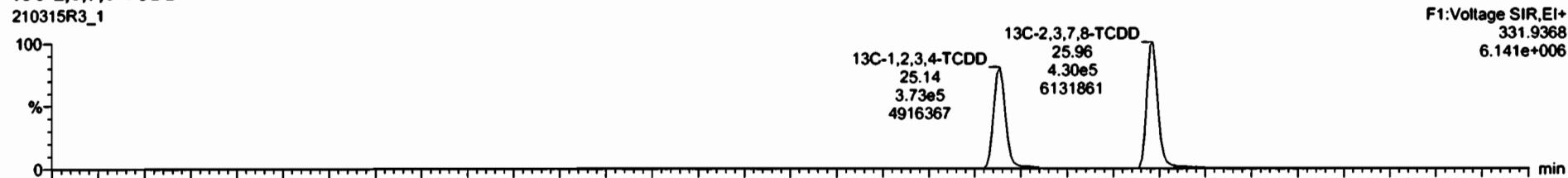
Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

2,3,7,8-TCDD



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



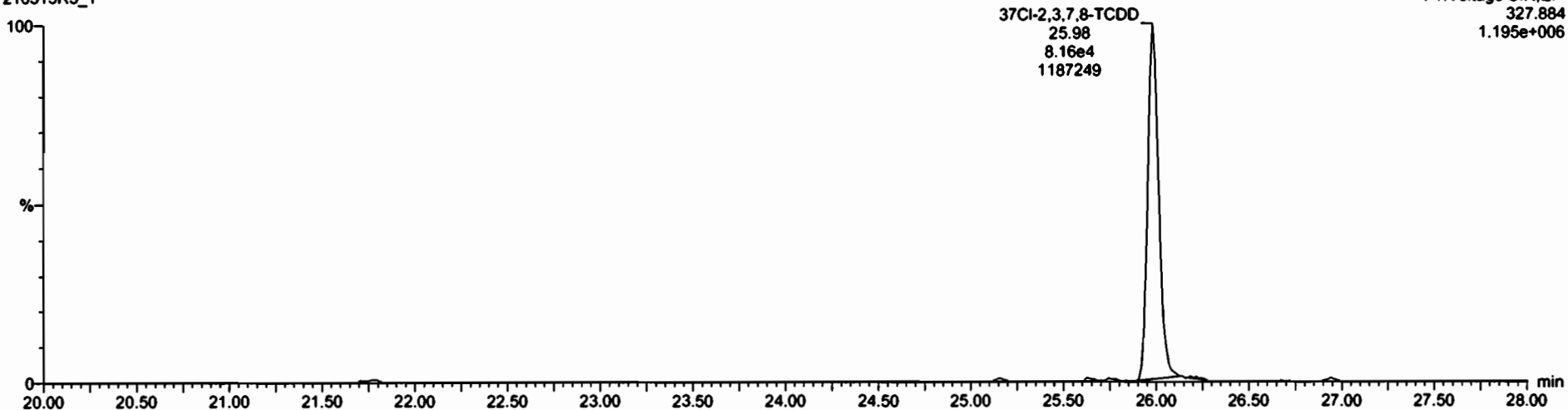
Dataset: Untitled

Last Altered: Monday, March 15, 2021 4:43:38 PM Pacific Daylight Time
Printed: Monday, March 15, 2021 4:43:49 PM Pacific Daylight Time

Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

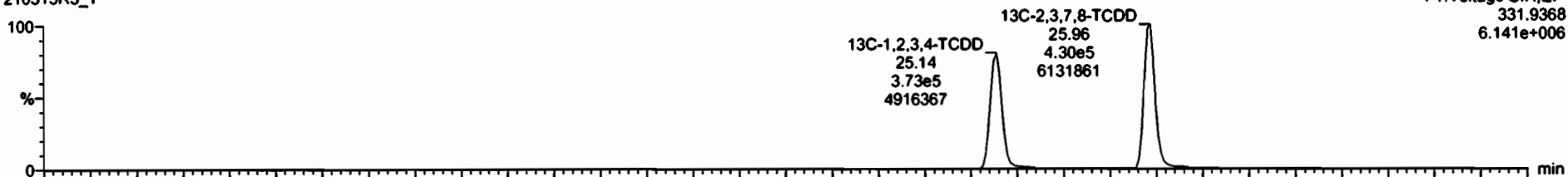
37Cl-2,3,7,8-TCDD

210315R3_1

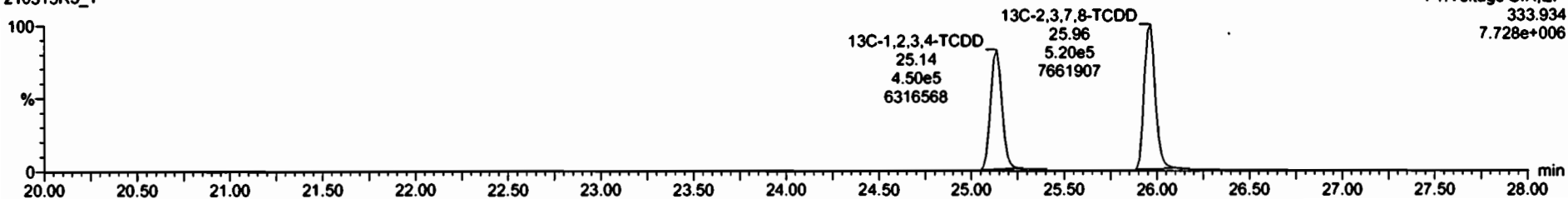


13C-1,2,3,4-TCDD

210315R3_1



210315R3_1

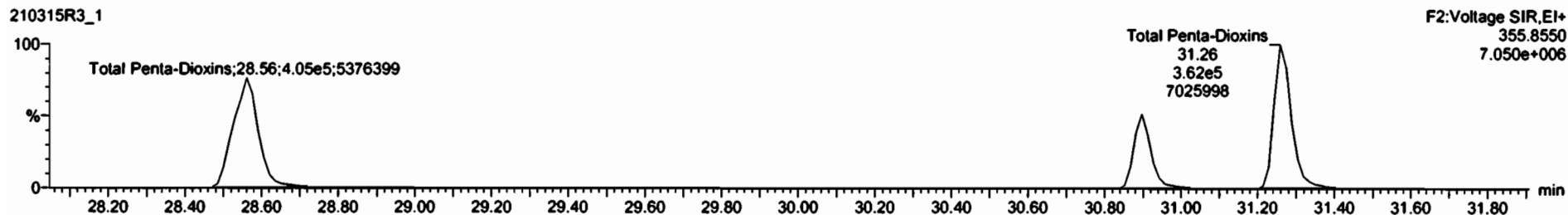


Dataset: Untitled

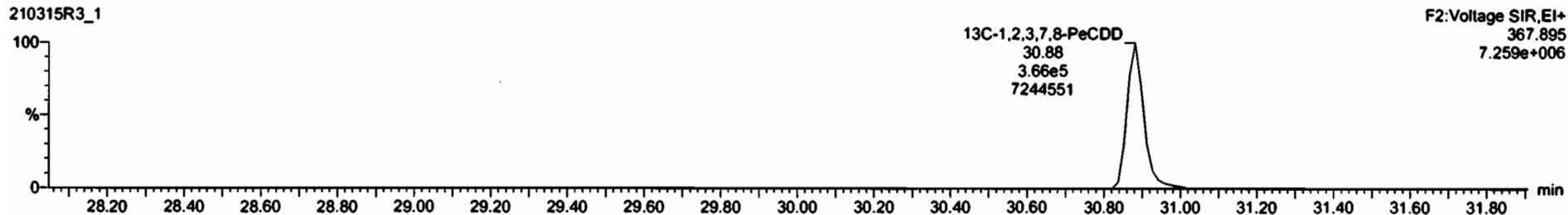
Last Altered: Monday, March 15, 2021 4:43:38 PM Pacific Daylight Time
Printed: Monday, March 15, 2021 4:43:49 PM Pacific Daylight Time

Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

1,2,3,7,8-PeCDD



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



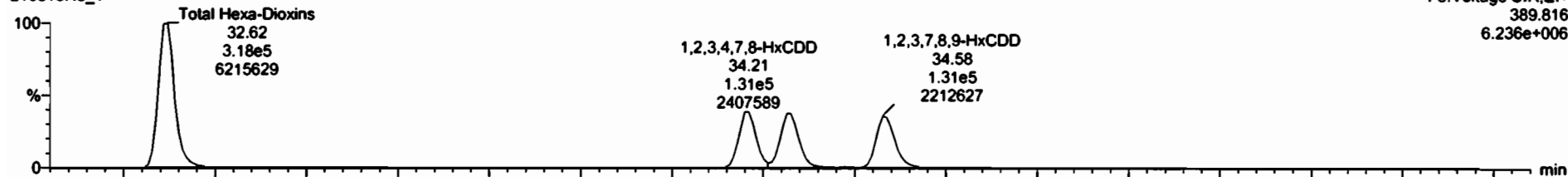
Dataset: Untitled

Last Altered: Monday, March 15, 2021 4:43:38 PM Pacific Daylight Time
Printed: Monday, March 15, 2021 4:43:49 PM Pacific Daylight Time

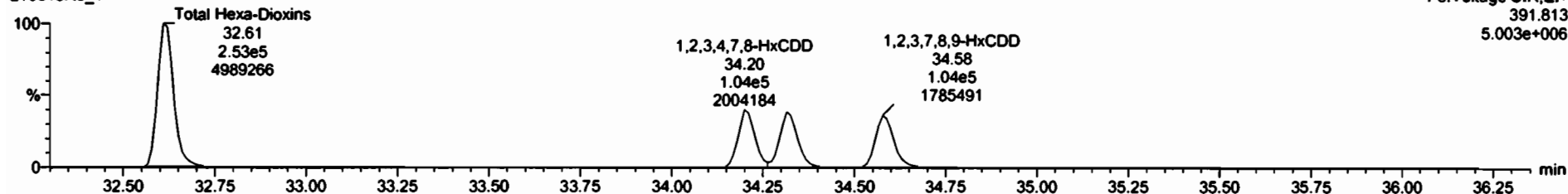
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1,2,3,4,7,8-HxCDD

210315R3_1

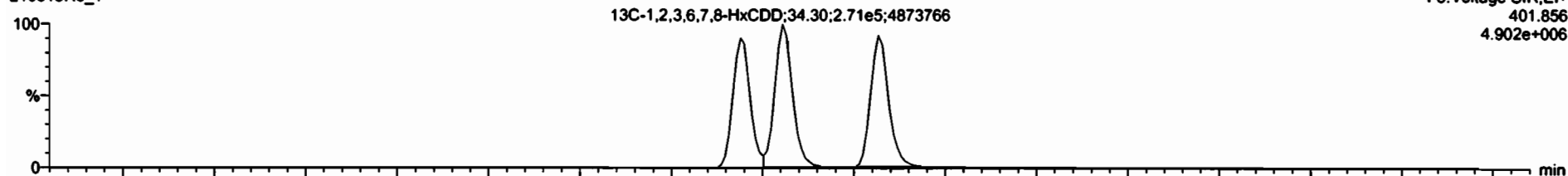


210315R3_1

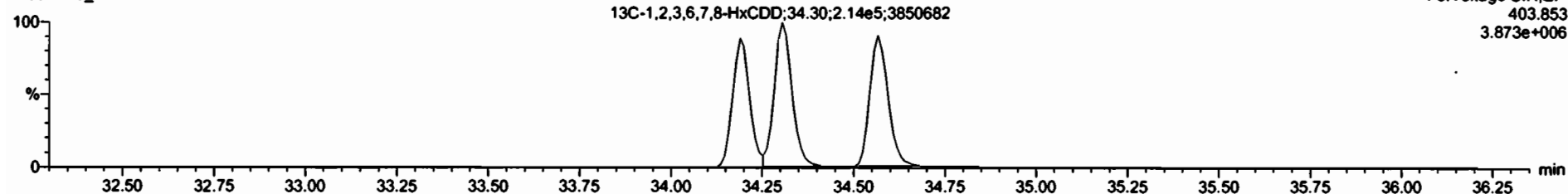


13C-1,2,3,4,7,8-HxCDD

210315R3_1



210315R3_1



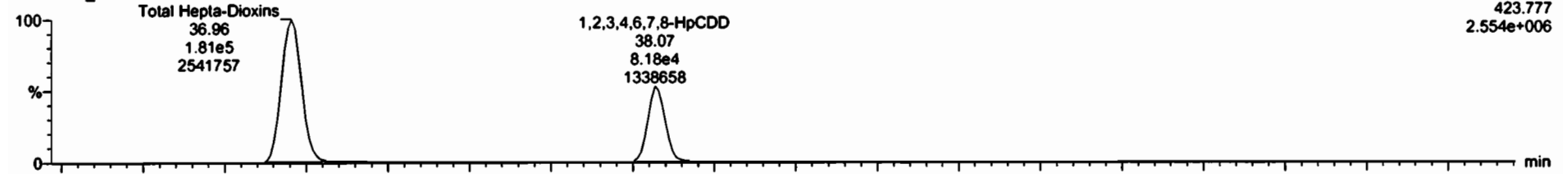
Dataset: Untitled

Last Altered: Monday, March 15, 2021 4:43:38 PM Pacific Daylight Time
Printed: Monday, March 15, 2021 4:43:49 PM Pacific Daylight Time

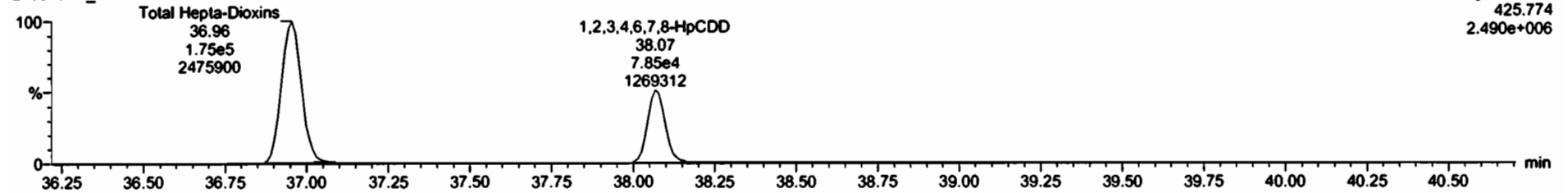
Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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

210315R3_1

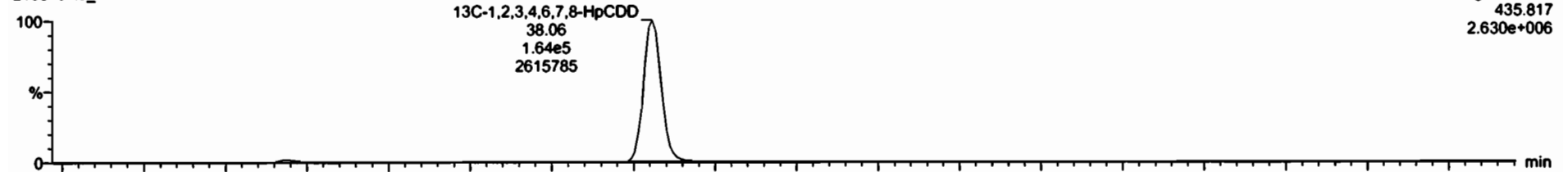


210315R3_1

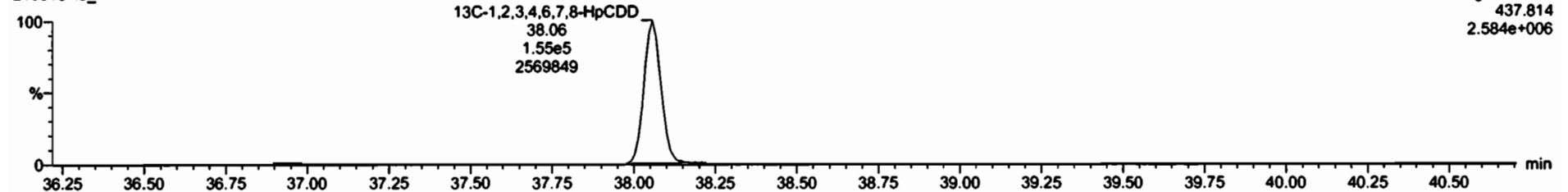


13C-1,2,3,4,6,7,8-HpCDD

210315R3_1



210315R3_1

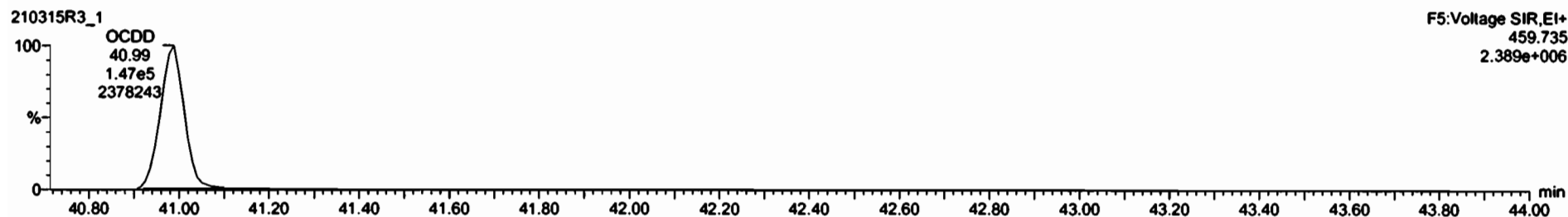


Dataset: Untitled

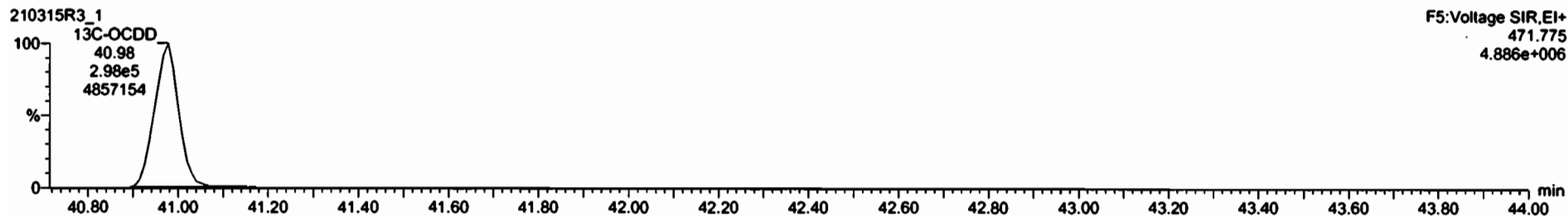
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Printed: Monday, March 15, 2021 4:43:49 PM Pacific Daylight Time

Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

OCDD



13C-OCDD

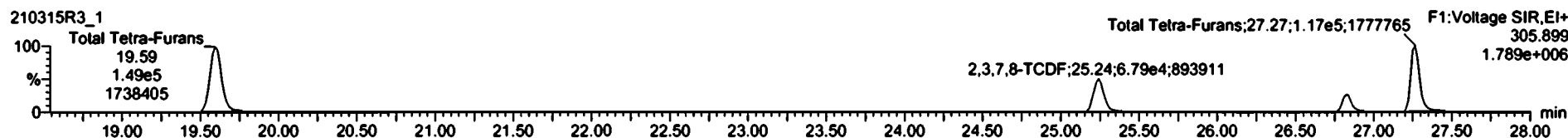


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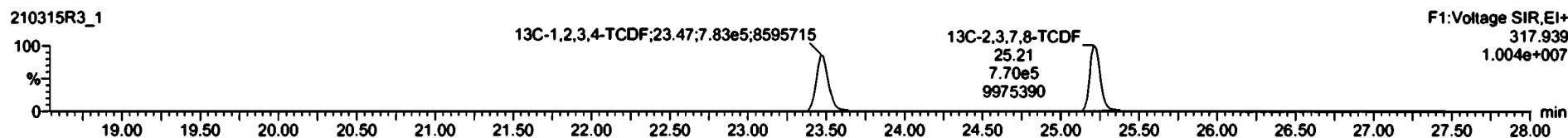
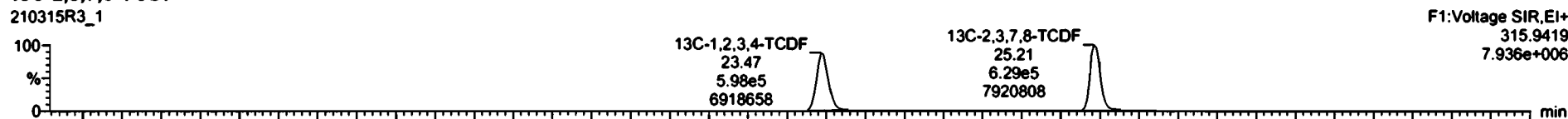
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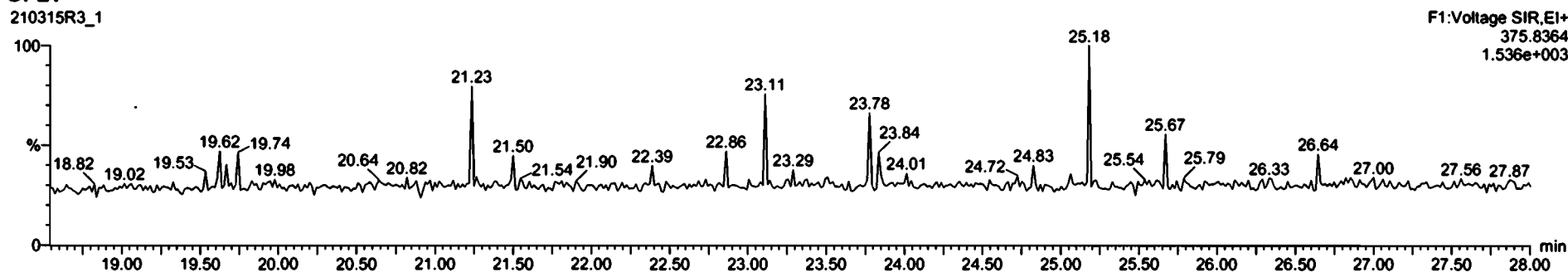
2,3,7,8-TCDF



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



DPE1



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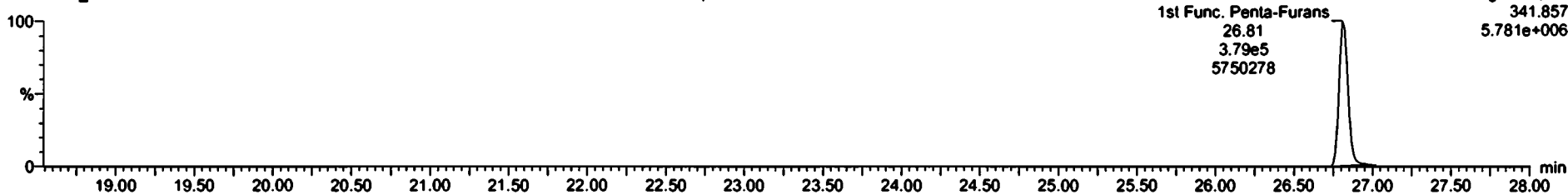
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1st Func. Penta-Furans

210315R3_1

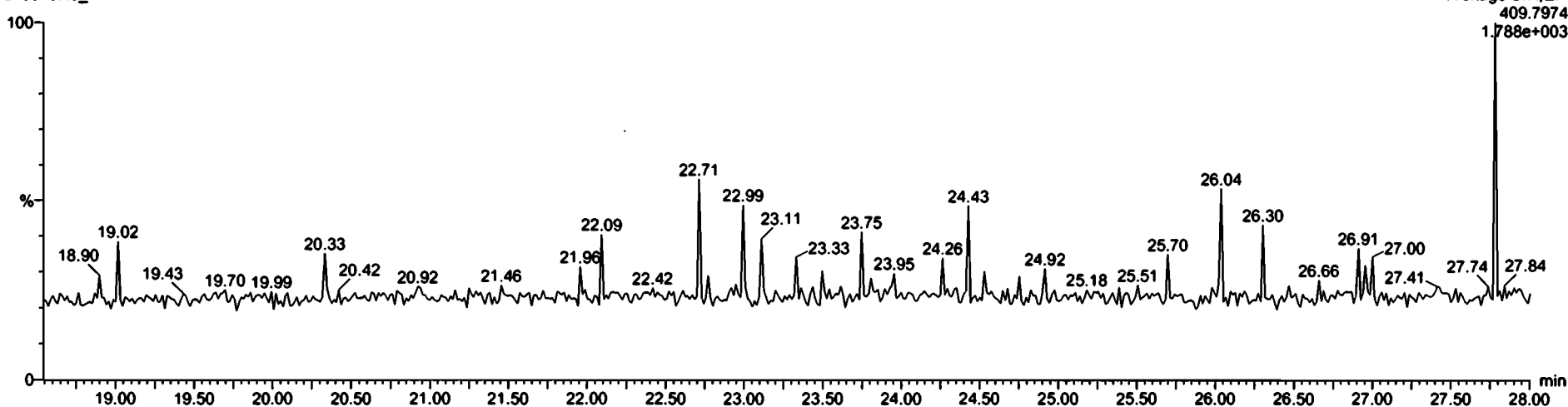


210315R3_1



DPE6

210315R3_1



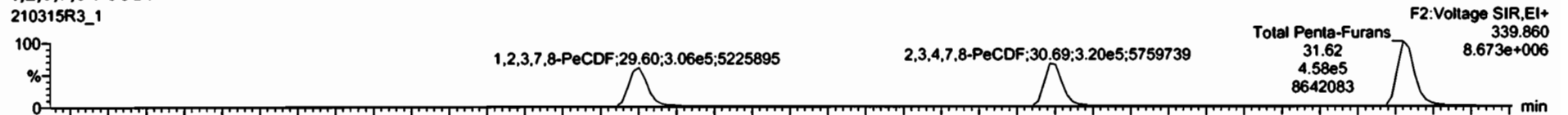
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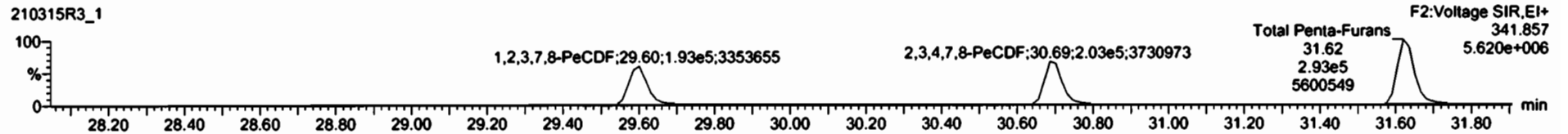
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1,2,3,7,8-PeCDF

210315R3_1



210315R3_1

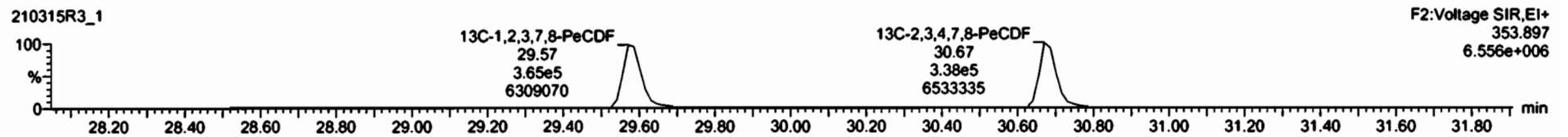


13C-1,2,3,7,8-PeCDF

210315R3_1

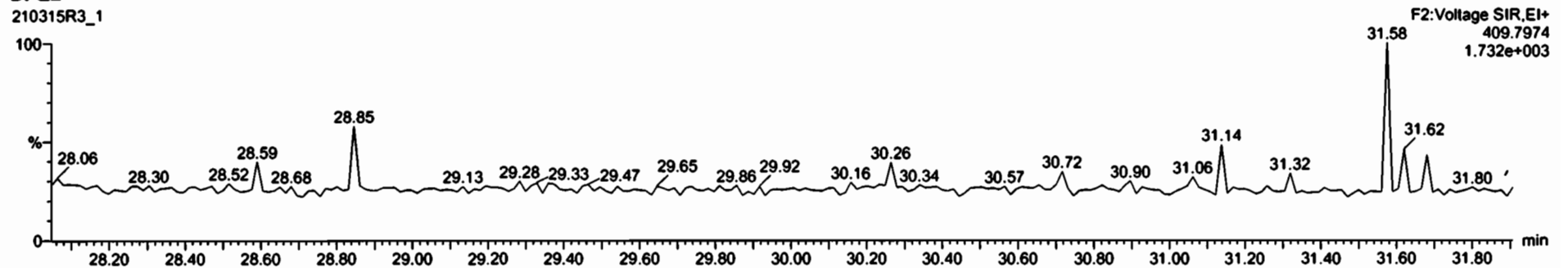


210315R3_1



DPE2

210315R3_1

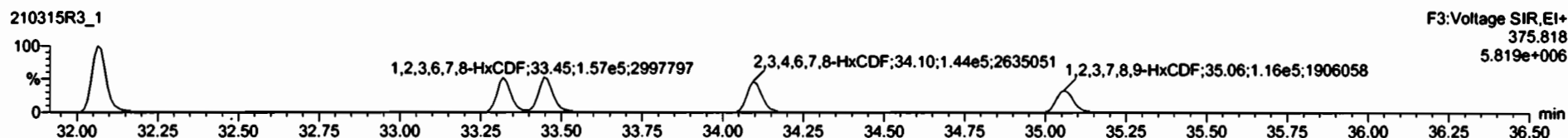
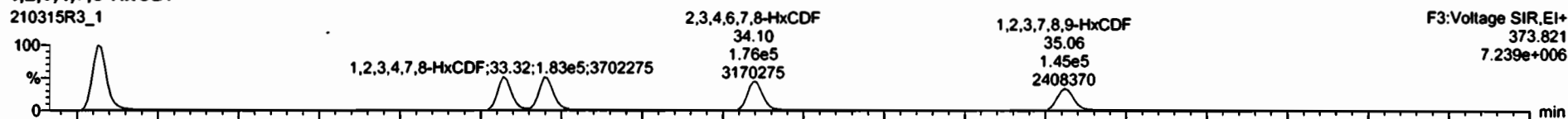


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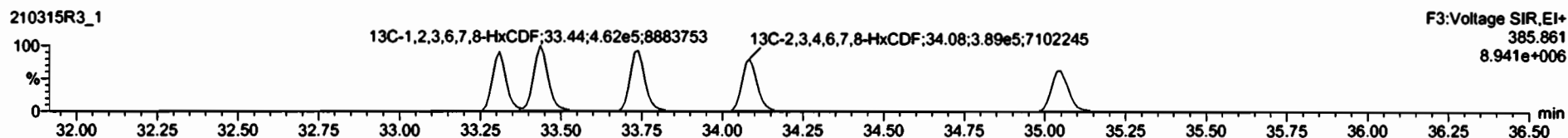
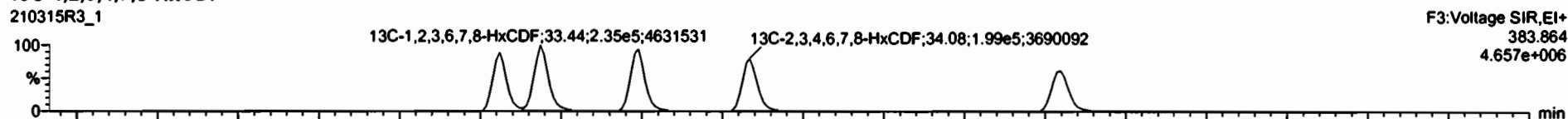
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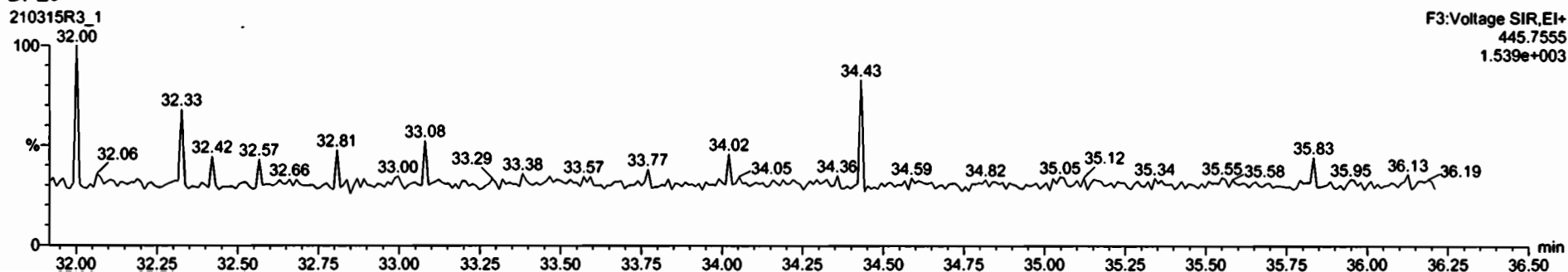
1,2,3,4,7,8-HxCDF



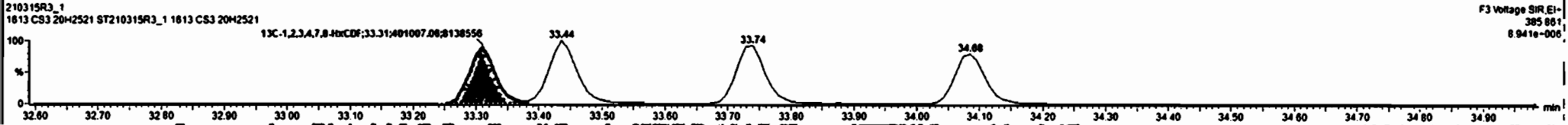
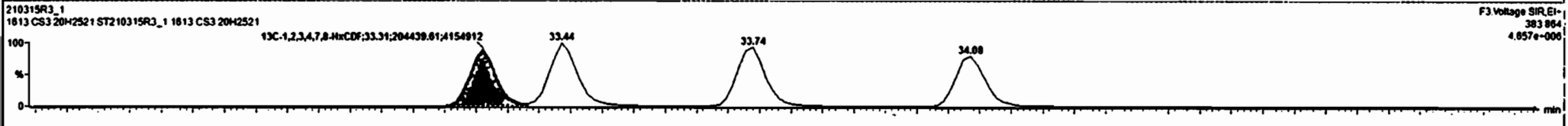
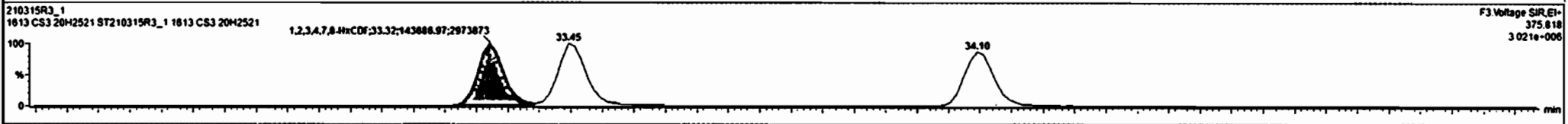
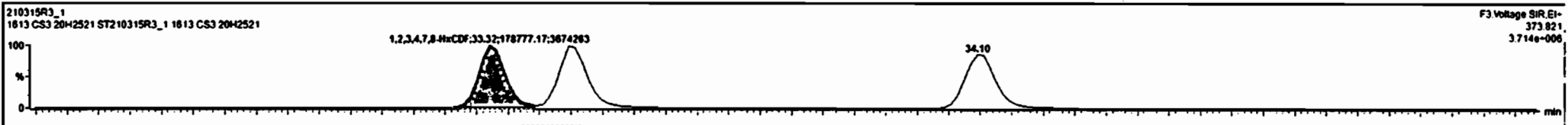
13C-1,2,3,4,7,8-HxCDF



DPE3



#	Name	Resp	IS Resp	Prod RA	RA	dy	RPF	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	9.03e4	9.50e5	0.77	0.75	NO	1.0087	28.00	25.98	NO	1.001	1.001	9.43	94.3	NO
2	1,2,3,7,8-PeCDD	3.83e5	6.82e5	0.63	0.62	NO	0.9952	30.91	30.90	NO	1.001	1.000	50.6	101	NO
3	1,2,3,4,7,8-HxCDD	2.35e5	4.23e5	1.24	1.26	NO	1.0578	34.21	34.21	NO	1.001	1.001	52.7	105	NO
4	1,2,3,6,7,8-HxCDD	2.43e5	4.85e5	1.24	1.26	NO	0.9404	34.33	34.33	NO	1.001	1.001	53.2	106	NO
5	1,2,3,7,8,9-HxCDD	2.35e5	4.58e5	1.24	1.26	NO	0.9572	34.58	34.58	NO	1.000	1.000	53.5	107	NO
6	1,2,3,4,6,7,8-HpCDD	1.80e5	3.19e5	1.04	1.04	NO	0.9601	38.07	38.07	NO	1.000	1.000	52.4	105	NO
7	OCDD	2.75e5	5.85e5	0.88	0.88	NO	0.9117	40.99	40.99	NO	1.000	1.000	107	107	NO
8	1,2,3,7,8-TCDF	1.19e5	1.40e6	0.77	0.75	NO	0.8038	25.21	25.24	NO	1.000	1.001	10.5	105	NO
9	1,2,3,7,8-PeCDF	4.99e5	9.59e5	1.55	1.59	NO	0.9945	29.50	29.60	NO	1.000	1.000	52.4	105	NO
10	1,2,3,4,7,8-PeCDF	5.23e5	8.92e5	1.55	1.58	NO	1.1352	30.00	30.00	NO	1.001	1.000	51.7	103	NO
11	1,2,3,4,7,8-HxCDF	3.22e5	6.95e5	1.24	1.24	NO	0.9556	33.32	33.32	NO	1.000	1.000	59.7	111	NO
12	1,2,3,6,7,8-HxCDF	3.51e5	6.97e5	1.24	1.23	NO	0.9058	33.46	33.45	NO	1.001	1.000	55.5	111	NO
13	1,2,3,4,6,7,8-HxCDF	3.29e5	5.88e5	1.24	1.22	NO	0.9527	34.10	34.10	NO	1.001	1.000	58.5	113	NO
14	1,2,3,7,8,9-HxCDF	2.81e5	5.06e5	1.24	1.25	NO	0.9273	35.06	35.06	NO	1.000	1.000	55.5	111	NO
15	1,2,3,4,6,7,8-HpCDF	2.78e5	4.33e5	1.04	1.03	NO	0.9585	38.58	38.59	NO	1.000	1.001	54.8	109	NO
16	1,2,3,4,7,8,9-HpCDF	1.90e5	3.08e5	1.04	1.03	NO	1.0957	38.75	38.75	NO	1.000	1.000	58.6	114	NO
17	OCDF	3.26e5	7.48e5	0.88	0.87	NO	0.7748	41.26	41.26	NO	1.000	1.000	112	112	NO

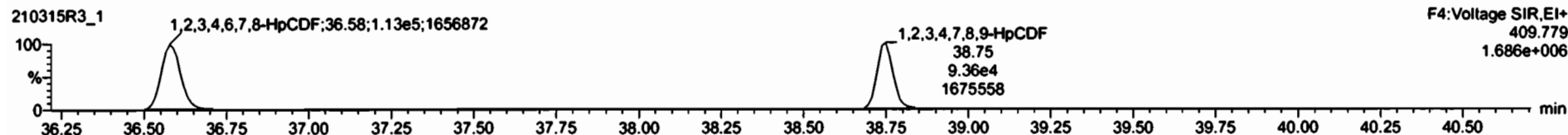
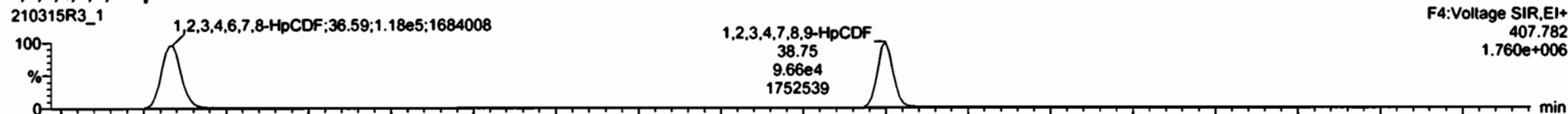


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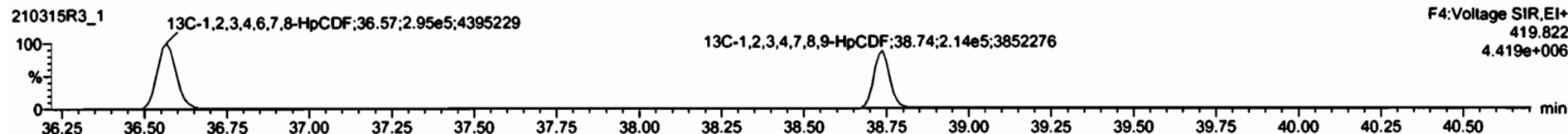
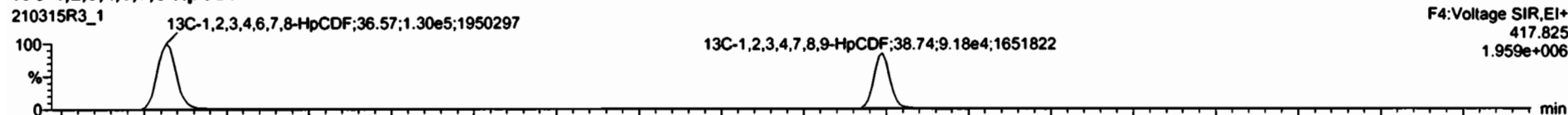
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Printed: Monday, March 15, 2021 4:43:49 PM Pacific Daylight Time

Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

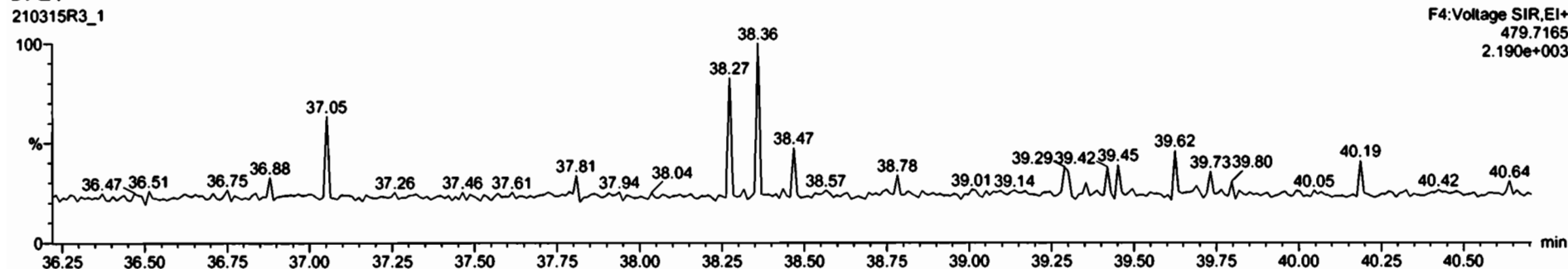
1,2,3,4,6,7,8-HpCDF



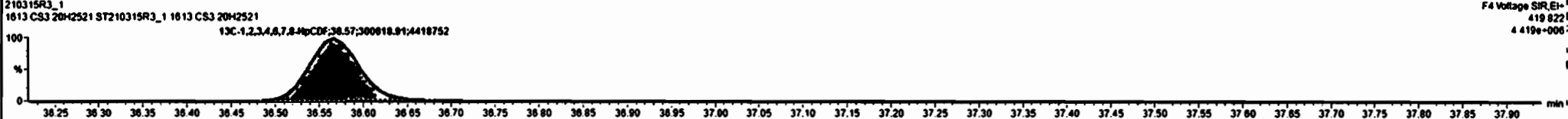
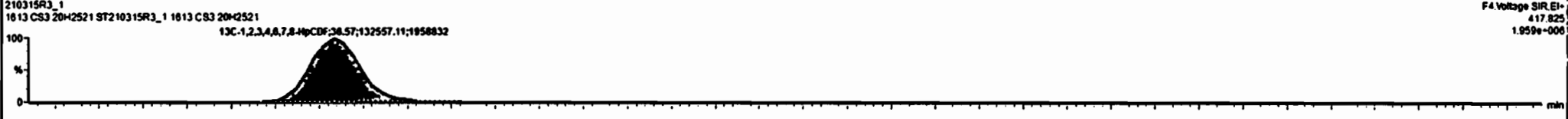
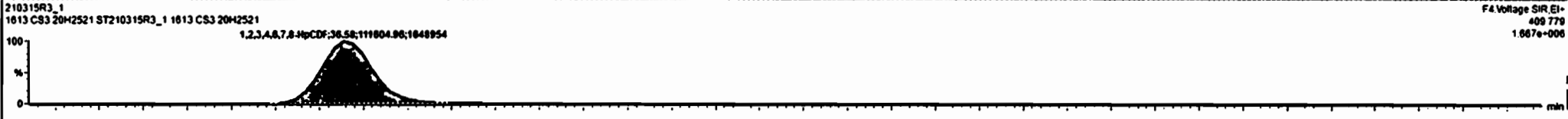
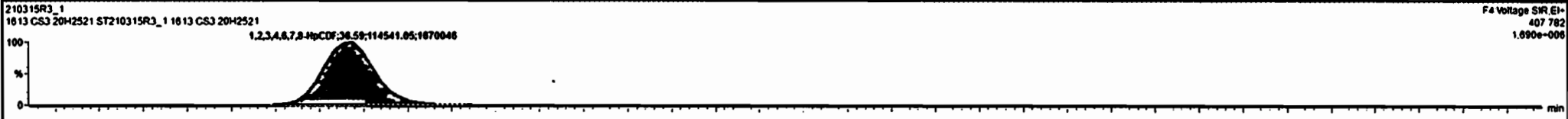
13C-1,2,3,4,6,7,8-HpCDF



DPE4



#	Name	Resp	S Resp	Pred RA	RA	dy	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	9.03e4	9.50e5	0.77	0.75	NO	1.0067	26.00	25.96	NO	1.001	1.001	9.43	94.3	NO
2	1,2,3,7,8-PeCDD	3.03e5	6.02e5	0.63	0.62	NO	0.9952	30.91	30.90	NO	1.001	1.000	50.6	101	NO
3	1,2,3,4,7,8-HxCDD	2.35e5	4.23e5	1.24	1.26	NO	1.0578	34.21	34.21	NO	1.001	1.001	52.7	105	NO
4	1,2,3,6,7,8-HxCDD	2.43e5	4.65e5	1.24	1.26	NO	0.9404	34.33	34.33	NO	1.001	1.001	53.2	106	NO
5	1,2,3,7,8,9-HxCDD	2.35e5	4.58e5	1.24	1.26	NO	0.9572	34.58	34.58	NO	1.000	1.000	53.5	107	NO
6	1,2,3,4,6,7,8-HpCDD	1.80e5	3.10e5	1.04	1.04	NO	0.9801	38.07	38.07	NO	1.000	1.000	52.4	105	NO
7	OCDD	2.75e5	5.65e5	0.89	0.88	NO	0.9117	40.99	40.99	NO	1.000	1.000	107	107	NO
8	2,3,7,8-TCDF	1.19e5	1.48e6	0.77	0.75	NO	0.8039	25.21	25.24	NO	1.000	1.001	10.5	105	NO
9	1,2,3,7,8-PeCDF	4.99e5	9.59e5	1.55	1.59	NO	0.9945	29.59	29.60	NO	1.000	1.000	52.4	105	NO
10	1,2,3,4,7,8-PeCDF	5.23e5	8.92e5	1.55	1.56	NO	1.1352	30.08	30.08	NO	1.001	1.000	51.7	103	NO
11	1,2,3,4,7,8-HxCDF	3.22e5	6.05e5	1.24	1.24	NO	0.9556	33.32	33.32	NO	1.000	1.000	55.7	111	NO
12	1,2,3,6,7,8-HxCDF	3.51e5	6.97e5	1.24	1.23	NO	0.9058	33.46	33.45	NO	1.001	1.000	55.5	111	NO
13	2,3,4,6,7,8-HxCDF	3.20e5	5.88e5	1.24	1.22	NO	0.9827	34.10	34.10	NO	1.001	1.000	56.5	113	NO
14	1,2,3,7,8,9-HxCDF	2.61e5	5.06e5	1.24	1.25	NO	0.9273	35.06	35.06	NO	1.000	1.000	55.5	111	NO
15	1,2,3,4,6,7,8-HpCDF	2.26e5	4.33e5	1.04	1.03	NO	0.9585	36.58	36.58	NO	1.000	1.001	54.6	109	NO
16	1,2,3,4,7,8,9-HpCDF	1.90e5	3.08e5	1.04	1.03	NO	1.0957	36.75	36.75	NO	1.000	1.000	56.8	114	NO
17	OCDF	3.20e5	7.48e5	0.89	0.87	NO	0.7748	41.26	41.26	NO	1.000	1.000	112	112	NO

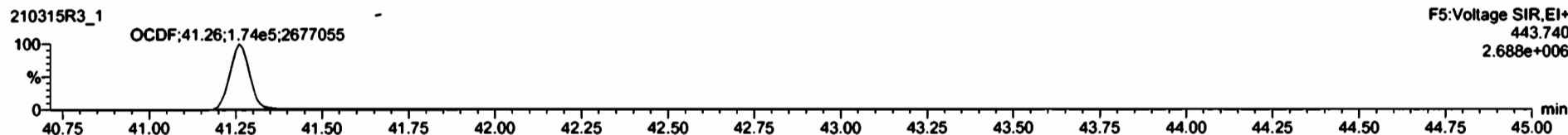
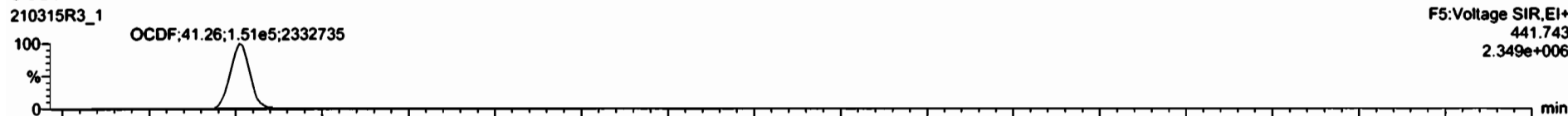


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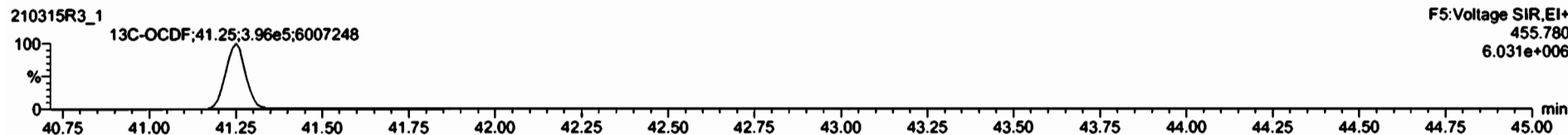
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Printed: Monday, March 15, 2021 4:43:49 PM Pacific Daylight Time

Name: 210315R3_1, Date: 15-Mar-2021, Time: 15:17:51, ID: ST210315R3_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

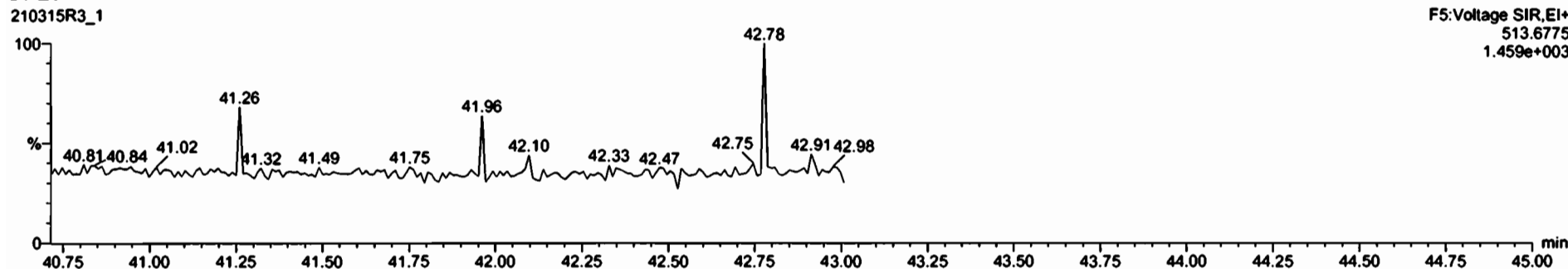
OCDF



13C-OCDF



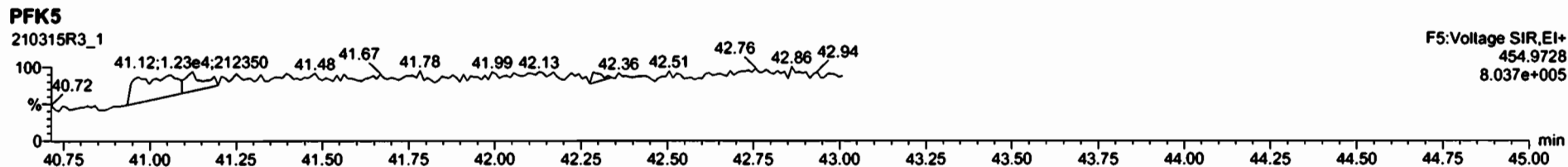
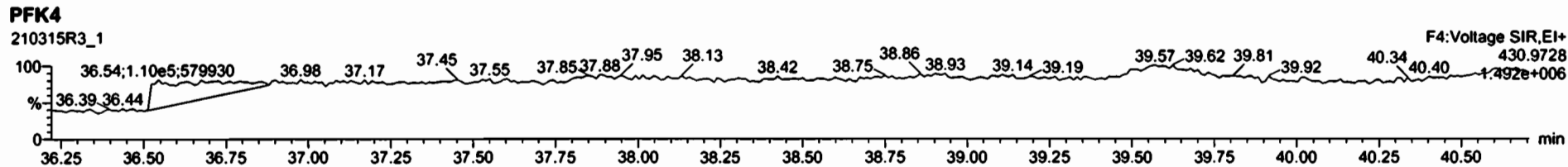
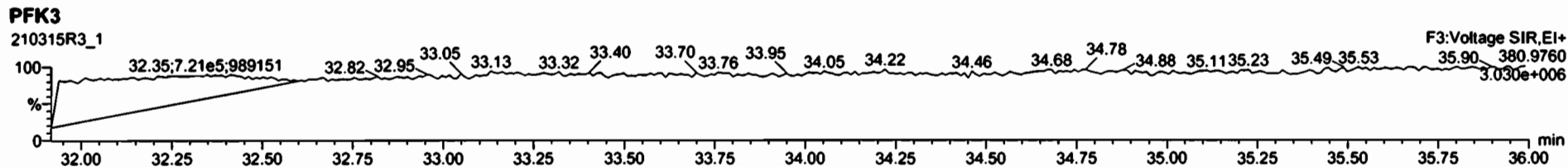
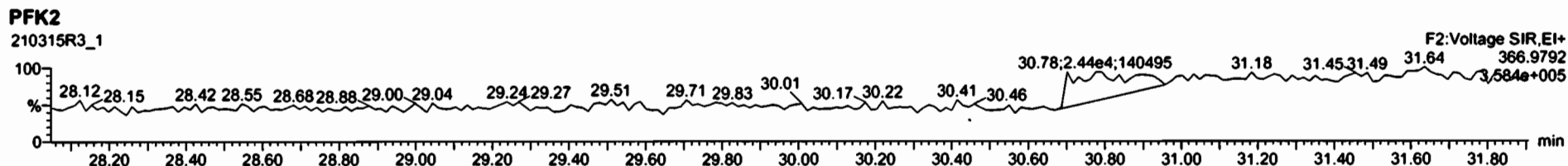
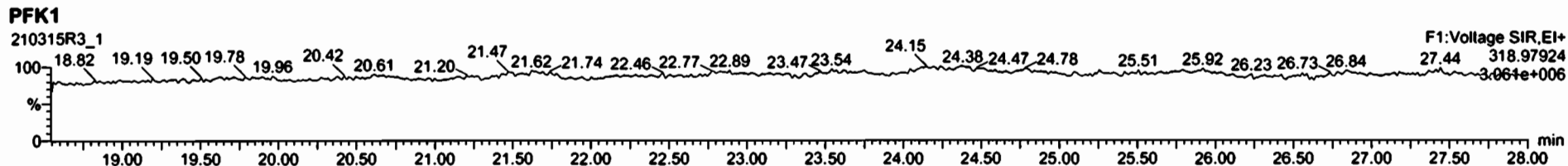
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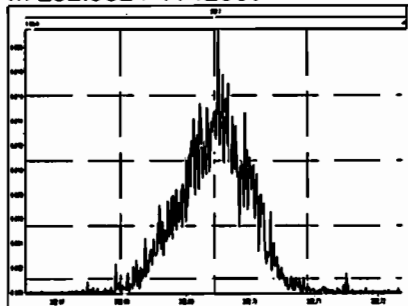
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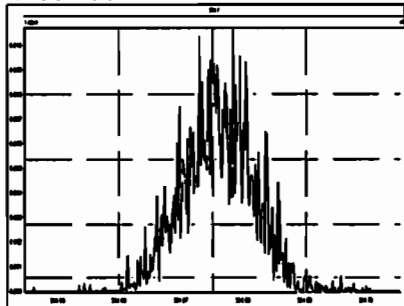


Printed: Tuesday, March 16, 2021 09:20:35 Pacific Daylight Time

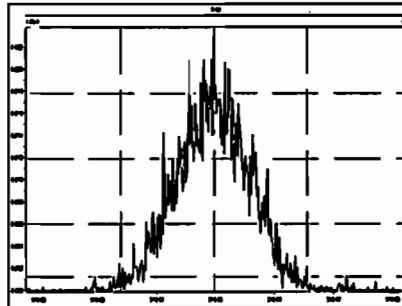
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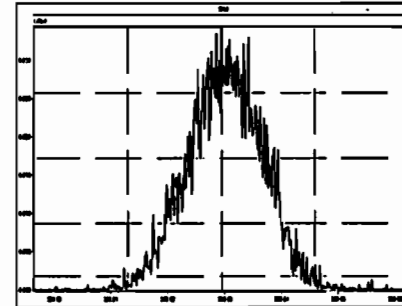
M 304.9824 R 13661



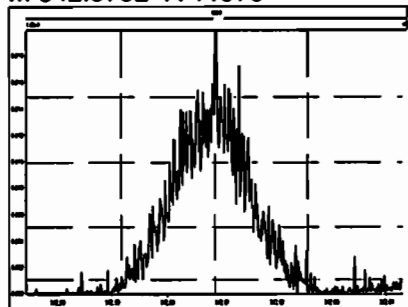
M 318.9792 R 13101



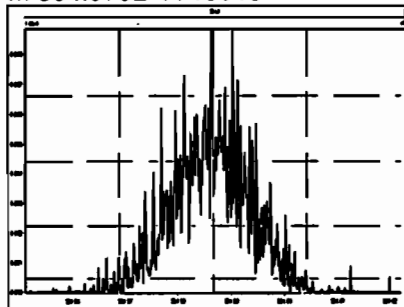
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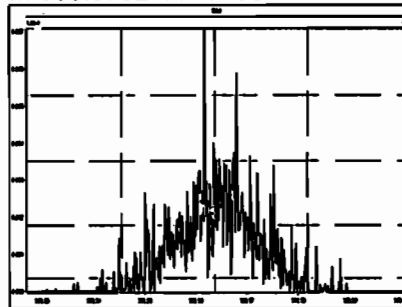
M 342.9792 R 11978



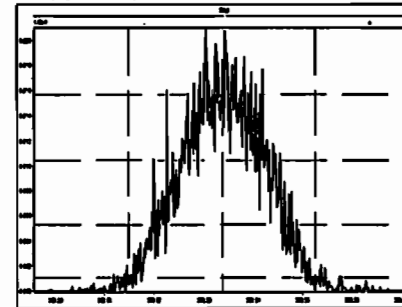
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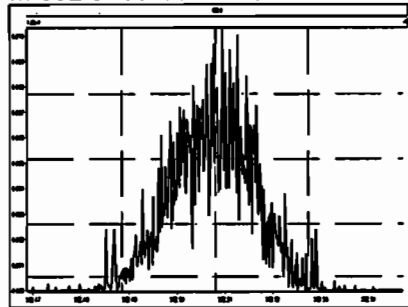
M 366.9792 R 15108



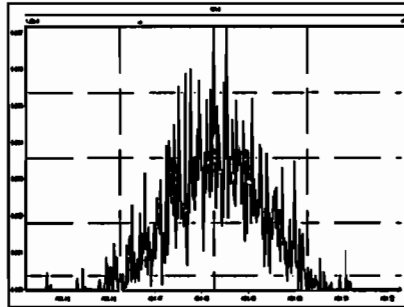
M 380.9760 R 11030



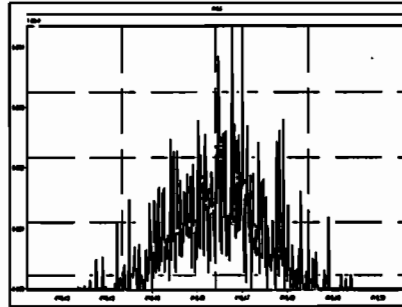
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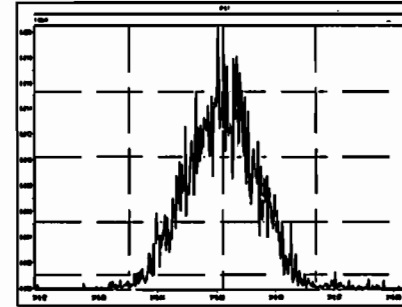
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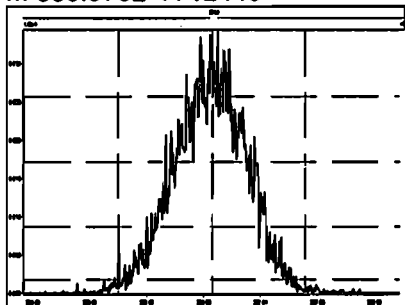


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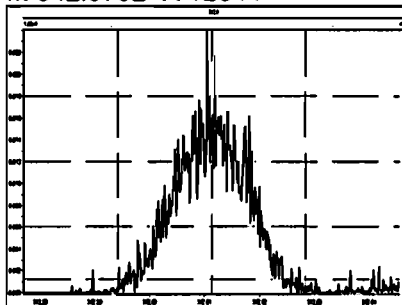


Printed: Tuesday, March 16, 2021 09:20:35 Pacific Daylight Time

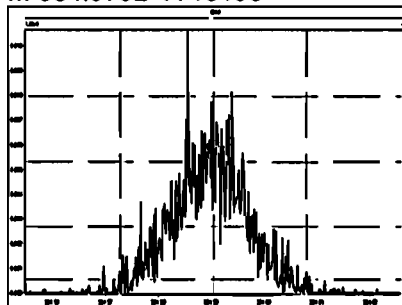
M 330.9792 R 12445



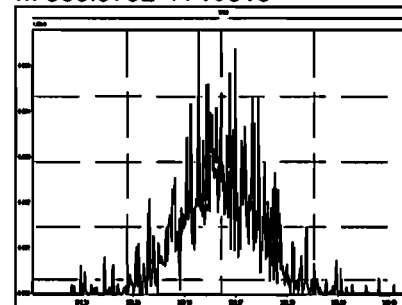
M 342.9792 R 12544



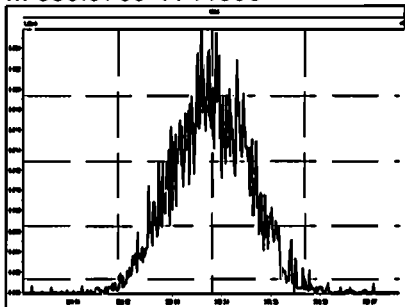
M 354.9792 R 13193



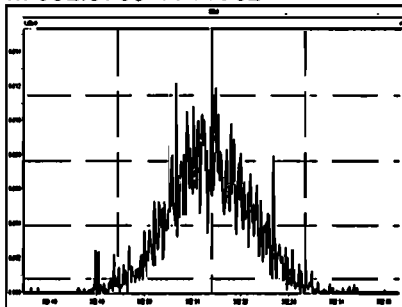
M 366.9792 R 15318



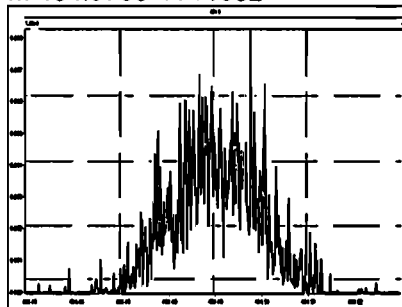
M 380.9760 R 11396



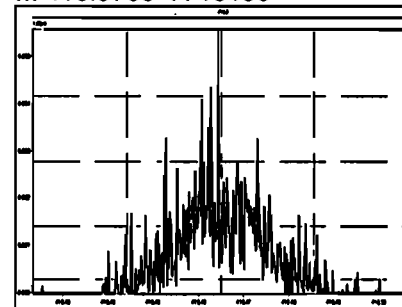
M 392.9760 R 11962



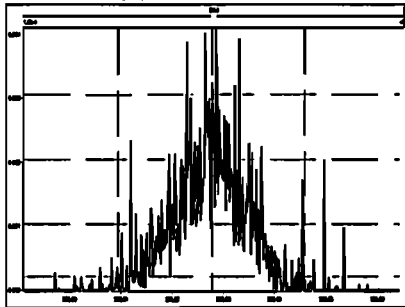
M 404.9760 R 11682



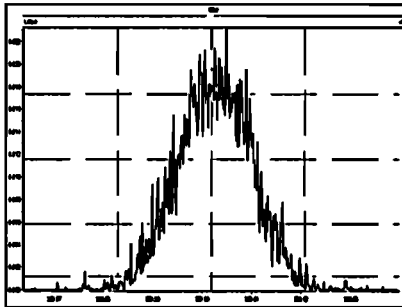
M 416.9760 R 16150



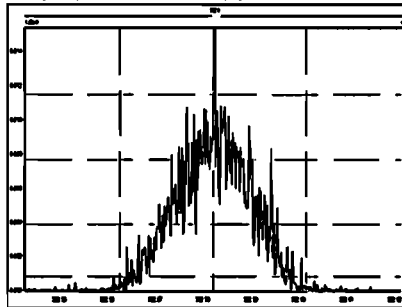
M 366.9792 R 16834



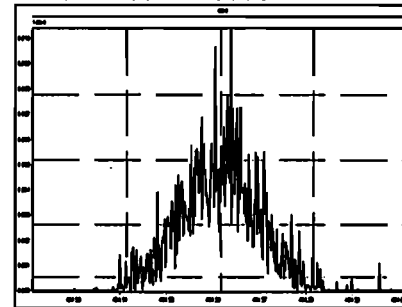
M 380.9760 R 12322



M 392.9760 R 13091

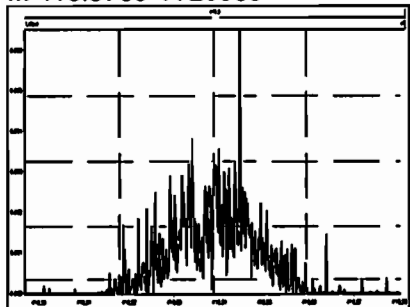


M 404.9760 R 13006

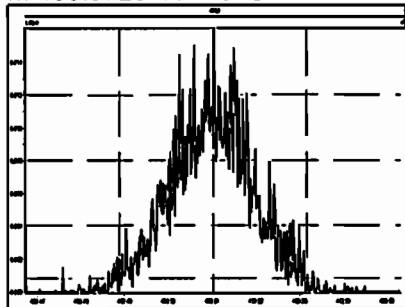


Printed: Tuesday, March 16, 2021 09:20:35 Pacific Daylight Time

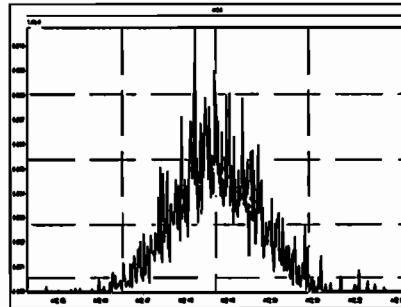
M 416.9760 R 20939



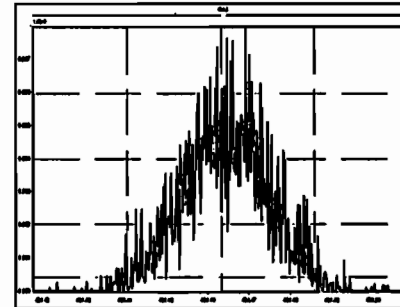
M 430.9728 R 11672



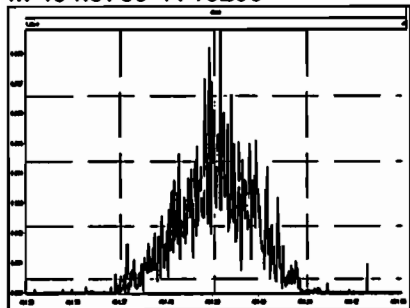
M 442.9728 R 11677



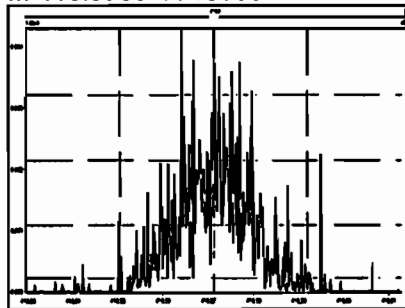
M 454.9728 R 11409



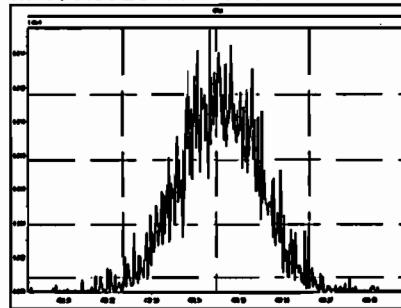
M 404.9760 R 13203



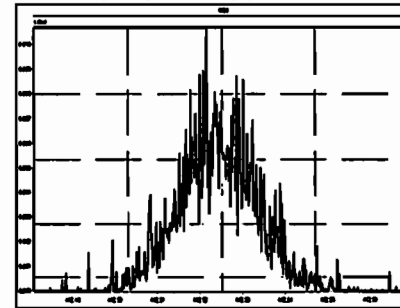
M 416.9760 R 16350



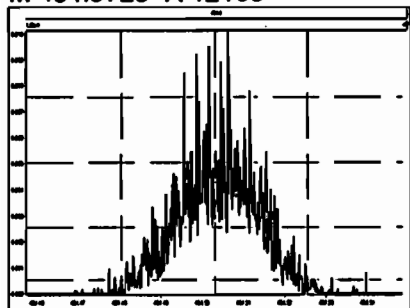
M 430.9728 R 11879



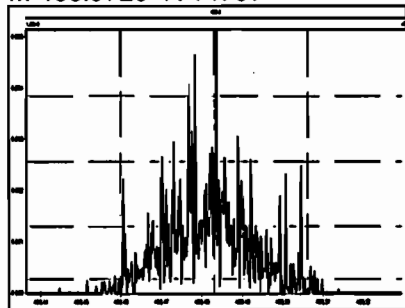
M 442.9728 R 11854



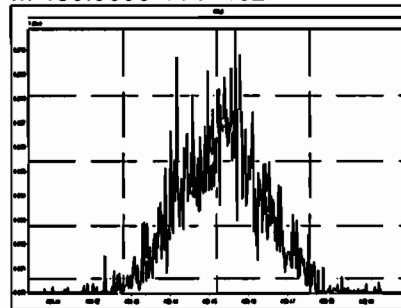
M 454.9728 R 12168



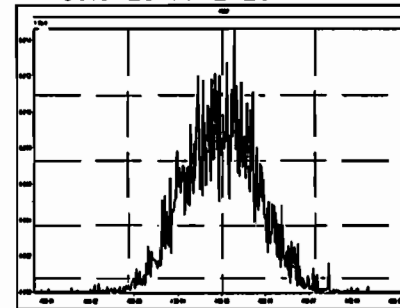
M 466.9728 R 14797



M 480.9696 R 11462

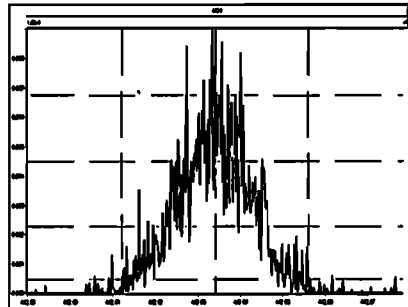


M 430.9728 R 12726

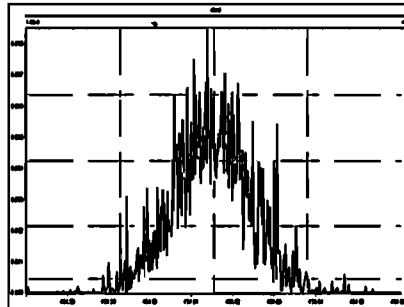


Printed: Tuesday, March 16, 2021 09:20:35 Pacific Daylight Time

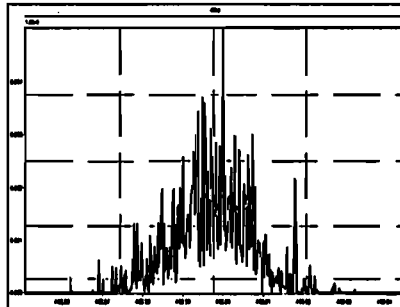
M 442.9728 R 14204



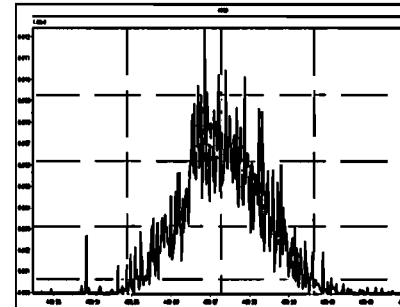
M 454.9728 R 12563



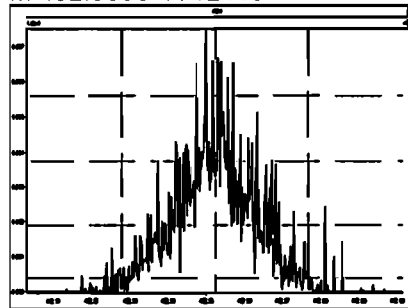
M 466.9728 R 17019



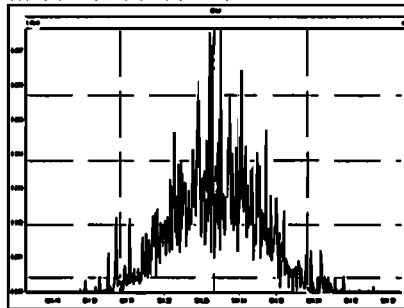
M 480.9696 R 12616



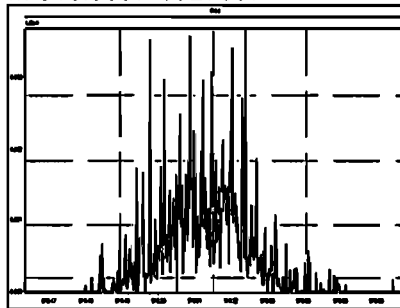
M 492.9696 R 12410



M 504.9696 R 11877



M 516.9697 R 27607



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST210316R L1

Reviewed By: HZ 3-19-2021
Initials & Date

End Calibration ID: ST210316R 2-1

~~ST210317~~ HIN 03/17/21
 ST210316R2-2 (A)

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

Mass resolution ≥

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

Intergrated peaks display correctly?

GC Break <20%

NA

8280 CS1 End Standard:

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

NA

Comments: 8290 & 1613 samples
 (A) Only need 2,3,7,8-TCDD for end cal HIN 03/17/21

Dataset: U:\VG12.PRO\Results\210316R1\210316R1_1.qld

Last Altered: Tuesday, March 16, 2021 17:00:02 Pacific Daylight Time

Printed: Tuesday, March 16, 2021 17:01:26 Pacific Daylight Time

HN 03/16/21

Hc 3.17.2021

Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	1.33e5	1.47e6	0.74	NO	1.01	26.01	25.99	NO	1.001	1.001	8.9951	90.0	NO
2	2 1,2,3,7,8-PeCDD	4.66e5	9.76e5	0.61	NO	0.995	30.91	30.90	NO	1.001	1.000	47.956	95.9	NO
3	3 1,2,3,4,7,8-HxCDD	3.74e5	7.01e5	1.25	NO	1.06	34.21	34.21	NO	1.001	1.001	50.375	101	NO
4	4 1,2,3,6,7,8-HxCDD	4.08e5	8.34e5	1.26	NO	0.940	34.33	34.33	NO	1.001	1.001	52.090	104	NO
5	5 1,2,3,7,8,9-HxCDD	3.66e5	7.56e5	1.26	NO	0.957	34.58	34.59	NO	1.000	1.001	50.564	101	NO
6	6 1,2,3,4,6,7,8-HpCDD	2.59e5	5.32e5	1.03	NO	0.960	38.07	38.07	NO	1.000	1.000	50.726	101	NO
7	7 OCDD	4.87e5	1.07e6	0.88	NO	0.912	40.99	40.99	NO	1.000	1.000	100.15	100	NO
8	8 2,3,7,8-TCDF	1.63e5	1.99e6	0.76	NO	0.804	25.23	25.25	NO	1.000	1.001	10.234	102	NO
9	9 1,2,3,7,8-PeCDF	7.02e5	1.44e6	1.54	NO	0.994	29.59	29.60	NO	1.000	1.001	48.945	97.9	NO
10	10 2,3,4,7,8-PeCDF	7.20e5	1.30e6	1.55	NO	1.14	30.71	30.70	NO	1.001	1.000	48.705	97.4	NO
11	11 1,2,3,4,7,8-HxCDF	4.61e5	8.84e5	1.23	NO	0.956	33.32	33.32	NO	1.000	1.000	54.558	109	NO
12	12 1,2,3,6,7,8-HxCDF	5.12e5	1.04e6	1.23	NO	0.906	33.46	33.46	NO	1.001	1.001	54.122	108	NO
13	13 2,3,4,6,7,8-HxCDF	4.85e5	9.18e5	1.21	NO	0.963	34.11	34.10	NO	1.001	1.000	54.916	110	NO
14	14 1,2,3,7,8,9-HxCDF	3.81e5	7.77e5	1.23	NO	0.927	35.06	35.06	NO	1.000	1.000	52.818	106	NO
15	15 1,2,3,4,6,7,8-HpCDF	3.52e5	6.72e5	1.02	NO	0.957	36.58	36.58	NO	1.000	1.000	54.748	109	NO
16	16 1,2,3,4,7,8,9-HpCDF	2.95e5	4.85e5	1.02	NO	1.10	38.75	38.75	NO	1.000	1.000	55.488	111	NO
17	17 OCDF	5.35e5	1.26e6	0.88	NO	0.775	41.26	41.26	NO	1.000	1.000	109.74	110	NO
18	18 13C-2,3,7,8-TCDD	1.47e6	1.30e6	0.75	NO	1.15	25.98	25.98	NO	1.033	1.033	97.820	97.8	NO
19	19 13C-1,2,3,7,8-PeCDD	9.76e5	1.30e6	0.62	NO	0.830	30.90	30.88	NO	1.228	1.228	90.138	90.1	NO
20	20 13C-1,2,3,4,7,8-HxCDD	7.01e5	9.84e5	1.28	NO	0.703	34.21	34.19	NO	1.014	1.013	101.29	101	NO
21	21 13C-1,2,3,6,7,8-HxCDD	8.34e5	9.84e5	1.26	NO	0.809	34.32	34.31	NO	1.017	1.017	104.66	105	NO
22	22 13C-1,2,3,7,8,9-HxCDD	7.56e5	9.84e5	1.28	NO	0.733	34.59	34.57	NO	1.025	1.025	104.84	105	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	5.32e5	9.84e5	1.04	NO	0.497	38.21	38.06	NO	1.133	1.128	108.78	109	NO
24	24 13C-OCDD	1.07e6	9.84e5	0.89	NO	0.462	40.94	40.98	NO	1.214	1.215	234.59	117	NO
25	25 13C-2,3,7,8-TCDF	1.99e6	1.91e6	0.78	NO	0.977	25.24	25.23	NO	1.003	1.003	106.25	106	NO
26	26 13C-1,2,3,7,8-PeCDF	1.44e6	1.91e6	1.59	NO	0.759	29.59	29.59	NO	1.176	1.176	99.310	99.3	NO
27	27 13C-2,3,4,7,8-PeCDF	1.30e6	1.91e6	1.57	NO	0.657	30.71	30.69	NO	1.221	1.220	103.65	104	NO
28	28 13C-1,2,3,4,7,8-HxCDF	8.84e5	9.84e5	0.51	NO	0.950	33.30	33.31	NO	0.987	0.987	94.462	94.5	NO
29	29 13C-1,2,3,6,7,8-HxCDF	1.04e6	9.84e5	0.52	NO	1.10	33.43	33.44	NO	0.991	0.991	96.541	96.5	NO
30	30 13C-2,3,4,6,7,8-HxCDF	9.18e5	9.84e5	0.51	NO	0.957	34.10	34.08	NO	1.011	1.010	97.432	97.4	NO
31	31 13C-1,2,3,7,8,9-HxCDF	7.77e5	9.84e5	0.52	NO	0.821	35.08	35.05	NO	1.040	1.039	96.230	96.2	NO

Dataset: U:\VG12.PRO\Results\210316R1\210316R1_1.qld

Last Altered: Tuesday, March 16, 2021 17:00:02 Pacific Daylight Time

Printed: Tuesday, March 16, 2021 17:01:26 Pacific Daylight Time

Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

	# Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.72e5	9.84e5	0.44	NO	0.663	36.64	36.57	NO	1.086	1.084	103.01	103	NO
33	33 13C-1,2,3,4,7,8,9-HpCDF	4.85e5	9.84e5	0.42	NO	0.475	38.90	38.74	NO	1.153	1.148	103.75	104	NO
34	34 13C-OCDF	1.26e6	9.84e5	0.88	NO	0.632	41.66	41.25	NO	1.235	1.223	202.49	101	NO
35	35 37Cl-2,3,7,8-TCDD	1.27e5	1.30e6			1.04	25.99	25.99	NO	1.033	1.033	9.3952	94.0	NO
36	36 13C-1,2,3,4-TCDD	1.30e6	1.30e6	0.76	NO	1.00	25.18	25.15	NO	1.000	1.000	100.00	100	NO
37	37 13C-1,2,3,4-TCDF	1.91e6	1.91e6	0.79	NO	1.00	23.54	23.50	NO	1.000	1.000	100.00	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	9.84e5	9.84e5	0.52	NO	1.00	33.74	33.74	NO	1.000	1.000	100.00	100	YES <i>ck</i>

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, March 17, 2021 10:19:13 Pacific Daylight Time

Printed: Wednesday, March 17, 2021 10:19:40 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1613rrt-02-22-21.mdb 22 Feb 2021 18:12:56

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

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

	Name	ID	Acq.Date	Acq.Time
1	210316R1_1	ST210316R1_1 1613 CS3 20H2521	16-Mar-21	12:34:33
2	210316R1_2	CPSM QC210316R1-1	16-Mar-21	13:22:28
3	210316R1_3	B1C0091-BS3 OPR 1	16-Mar-21	14:06:46
4	210316R1_4	B1C0091-BS2 OPR 1	16-Mar-21	14:51:15
5	210316R1_5	B1C0091-BS1 OPR 1	16-Mar-21	15:35:47
6	210316R1_6			
7	210316R1_7	SOLVENT BLANK	16-Mar-21	16:41:01
8	210316R1_8	2103100-01 RAB-FB-2103091636 1.01921	16-Mar-21	17:25:16
9	210316R1_9	2103100-02 RAB-RB-2103091709 1.01144	16-Mar-21	18:09:45
10	210316R1_10	2102118-03@5X WC-C037-5-7 9.37	16-Mar-21	18:54:17
11	210316R1_11	2103013-05 MWPS-GW-1340 0.90773	16-Mar-21	19:38:47
12	210316R1_12	2103050-01 Forebay Composite (24hr) 1.00928	16-Mar-21	20:23:18
13	210316R1_13	2103039-01 2103030055 1.00865	16-Mar-21	21:07:53
14	210316R1_14	2103058-01 LB21-R8-Wet3 0.96941	16-Mar-21	21:52:24
15	210316R1_15	2103062-01 WELL 02 - RAW 1.00383	16-Mar-21	22:36:54
16	210316R2_1	SOLVENT BLANK	16-Mar-21	23:30:22
17	210316R2_2	ST210316R2_1 1613 CS3 20H2521	17-Mar-21	00:14:40
18	210316R2_3	CPSM QC210316R2-1	17-Mar-21	00:59:09

(A) Instrument paused HN 03/17/21

Dataset: U:\VG12.PRO\Results\210316R1\210316R1_CPSM.qld

Last Altered: Tuesday, March 16, 2021 14:55:39 Pacific Daylight Time

Printed: Tuesday, March 16, 2021 16:28:38 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 20 Feb 2021 13:45:10

Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

	# Name	RT
1	1 1,3,6,8-TCDD (First)	21.78
2	2 1,2,8,9-TCDD (Last)	26.95
3	3 1,2,4,7,9-PeCDD (First)	28.58
4	4 1,2,3,8,9-PeCDD (Last)	31.27
5	5 1,2,4,6,7,9-HxCDD (First)	32.62
6	6 1,2,3,7,8,9-HxCDD (Last)	34.59
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.96
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.07
9	9 1,3,6,8-TCDF (First)	19.62
10	10 1,2,8,9-TCDF (Last)	27.27
11	11 1,3,4,6,8-PeCDF (First)	26.82
12	12 1,2,3,8,9-PeCDF (Last)	31.64
13	13 1,2,3,4,6,8-HxCDF (First)	32.08
14	14 1,2,3,7,8,9-HxCDF (Last)	35.06
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.58
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.75

Dataset: U:\VG12.PRO\Results\210316R1\210316R1_CPSM.qld

Last Altered: Tuesday, March 16, 2021 14:55:39 Pacific Daylight Time
Printed: Tuesday, March 16, 2021 16:28:38 Pacific Daylight Time

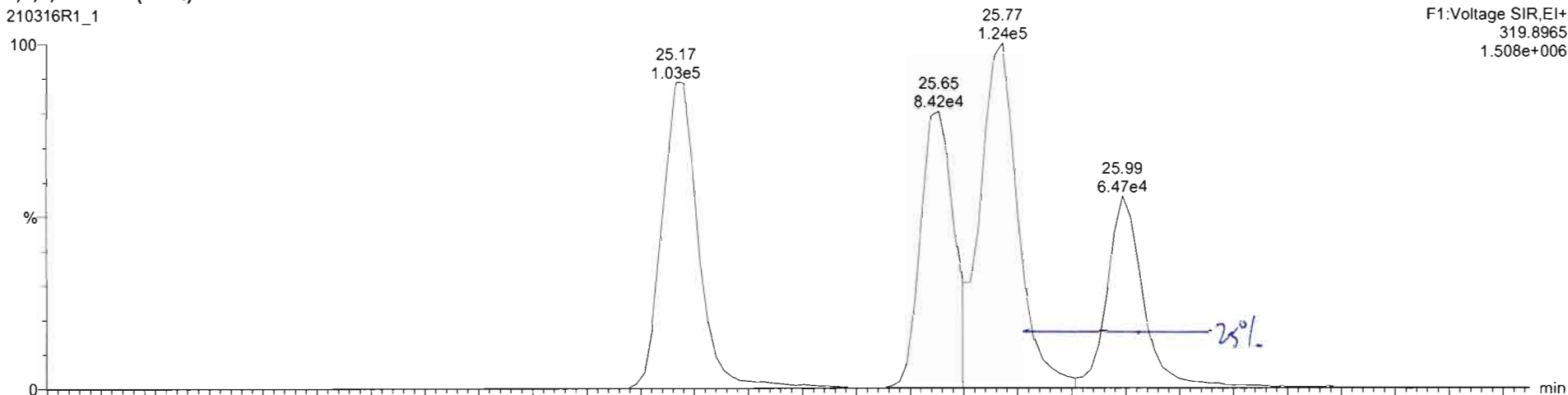
Method: U:\VG12.PRO\MethDB\CPSM.mdb 20 Feb 2021 13:45:10
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 11:40:51

HLV 03/16/21

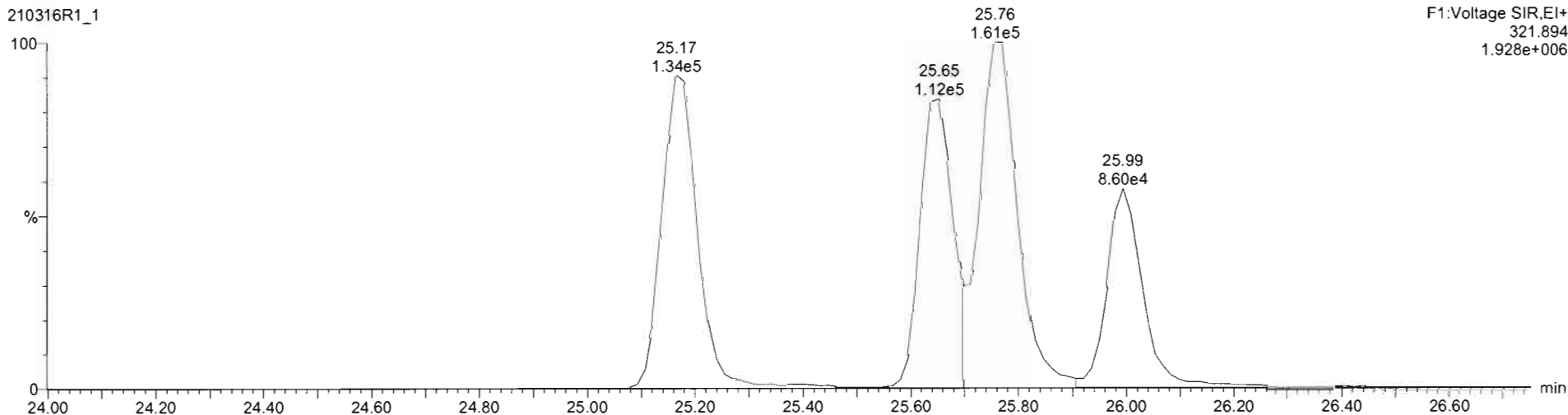
Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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

210316R1_1



210316R1_1

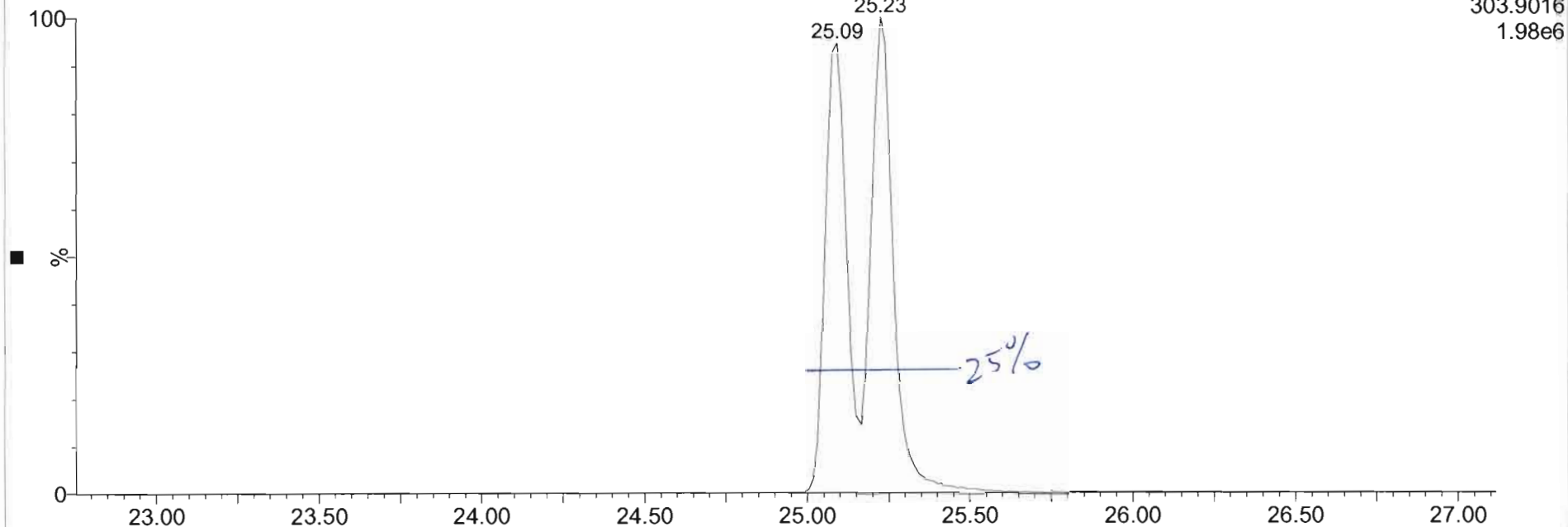


QC

210316R1_2

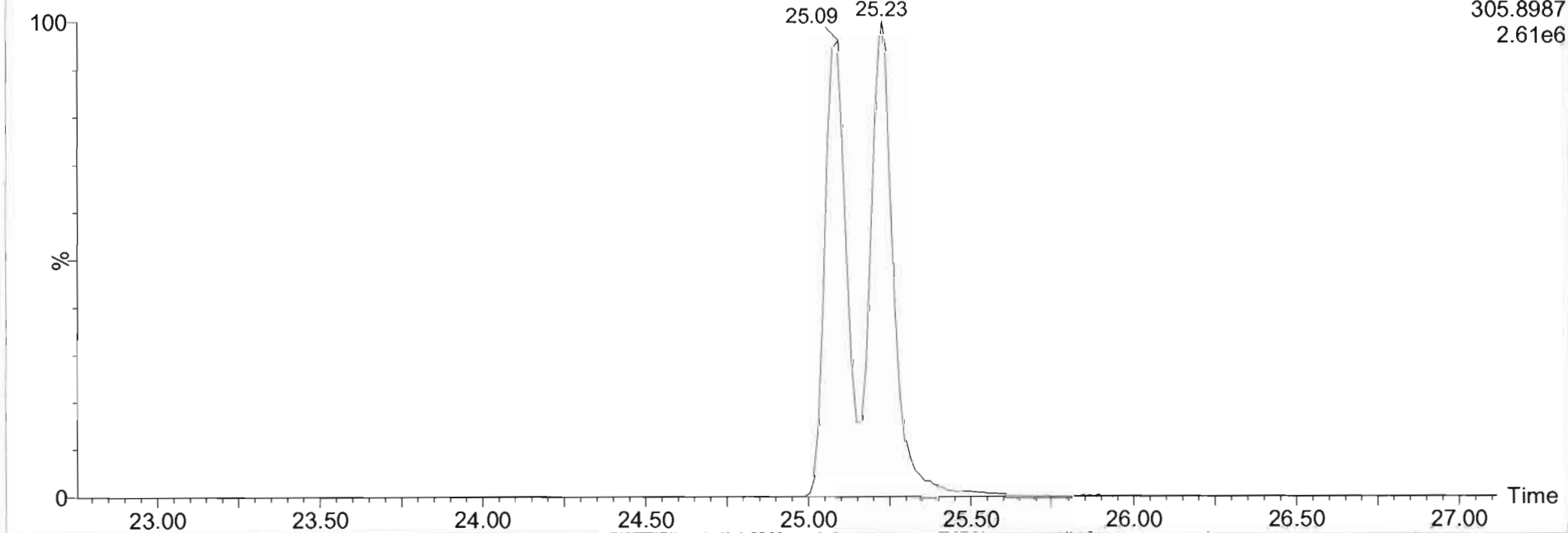
File 03/16/21

1: Voltage SIR 15 Channels EI+
303.9016
1.98e6



210316R1_2

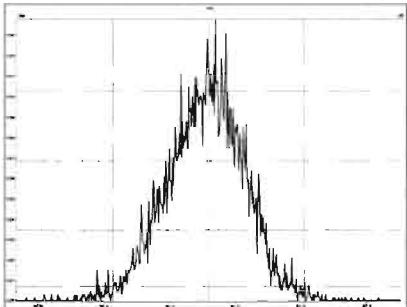
1: Voltage SIR 15 Channels EI+
305.8987
2.61e6



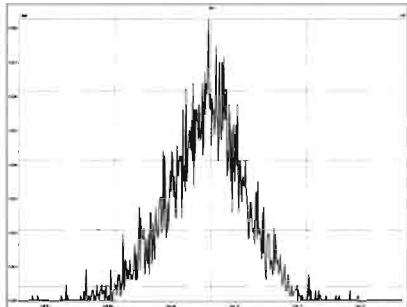
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, March 16, 2021 12:28:13 Pacific Daylight Time

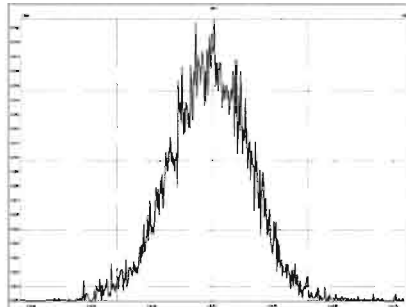
M 292.9824 R 12131



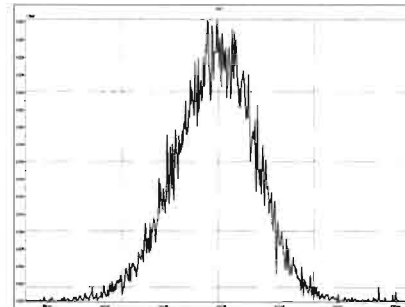
M 304.9824 R 11467



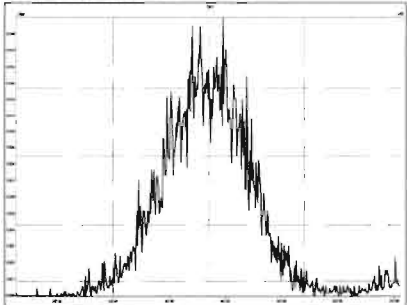
M 318.9792 R 11470



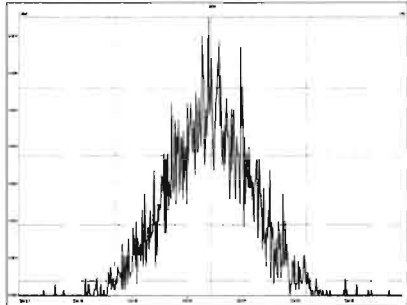
M 330.9792 R 10822



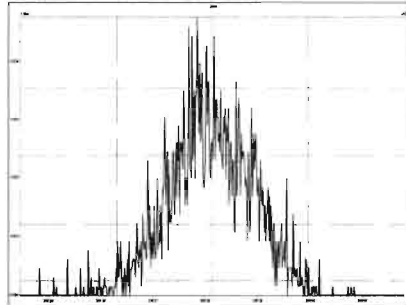
M 342.9792 R 10731



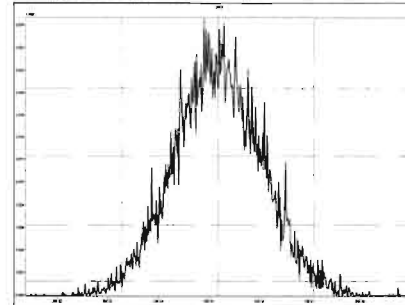
M 354.9792 R 11573



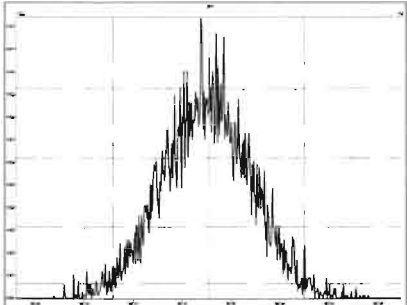
M 366.9792 R 10685



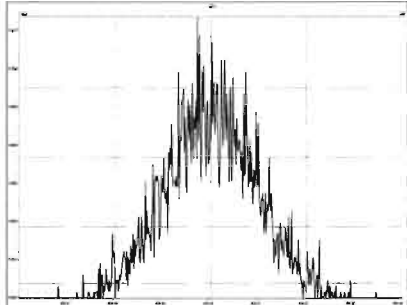
M 380.9760 R 10162



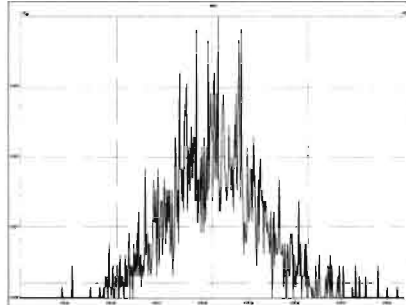
M 392.9760 R 10078



M 404.9760 R 10503



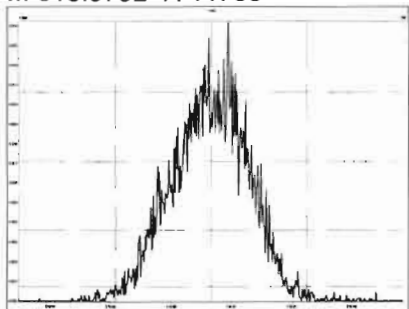
M 416.9760 R 11011



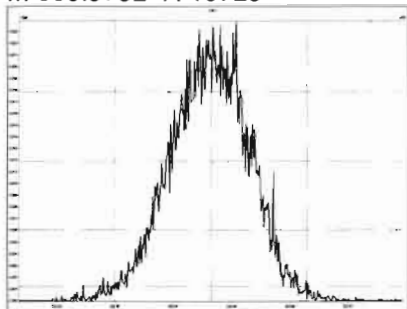
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, March 16, 2021 12:29:28 Pacific Daylight Time

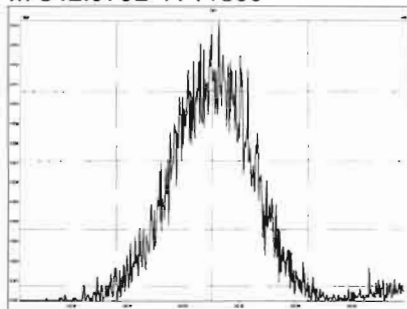
M 318.9792 R 11733



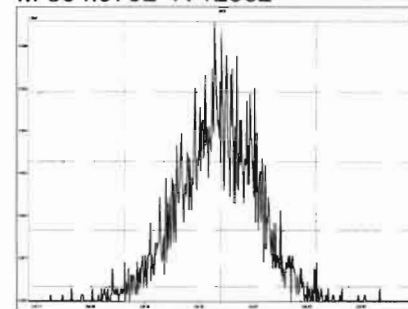
M 330.9792 R 10729



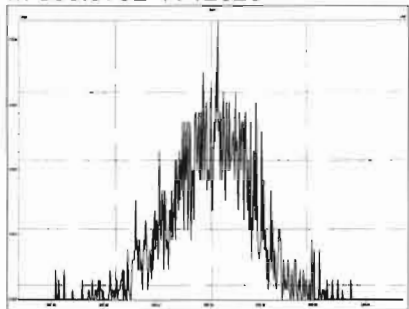
M 342.9792 R 11360



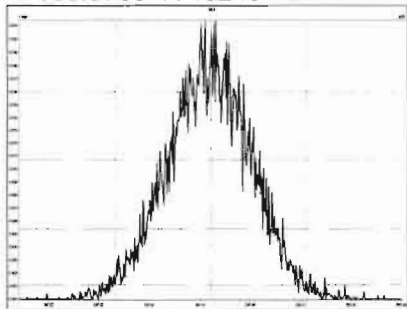
M 354.9792 R 12562



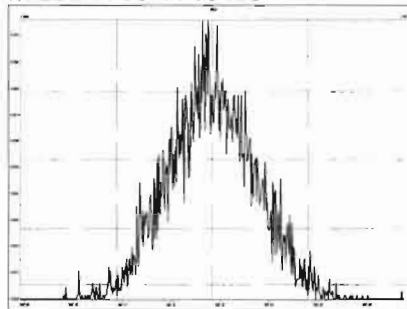
M 366.9792 R 12628



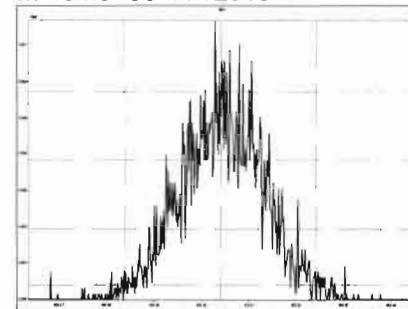
M 380.9760 R 10245



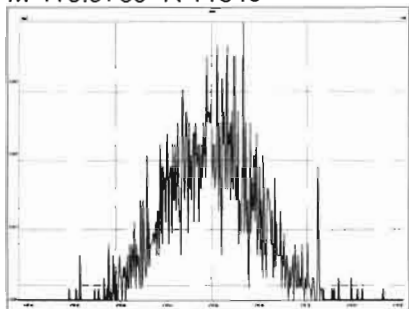
M 392.9760 R 10418



M 404.9760 R 12019



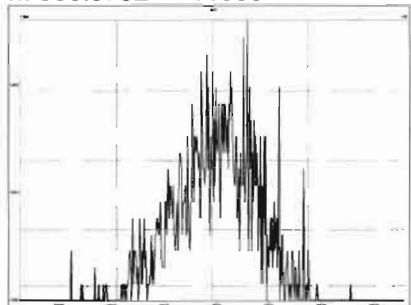
M 416.9760 R 11845



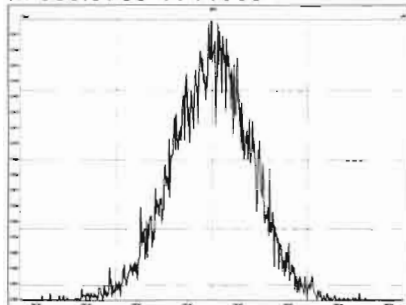
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Printed: Tuesday, March 16, 2021 12:30:26 Pacific Daylight Time

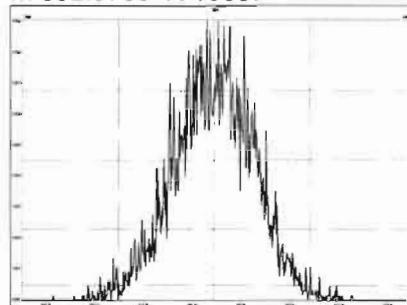
M 366.9792 R 11686



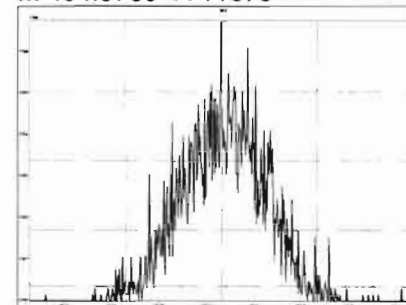
M 380.9760 R 11063



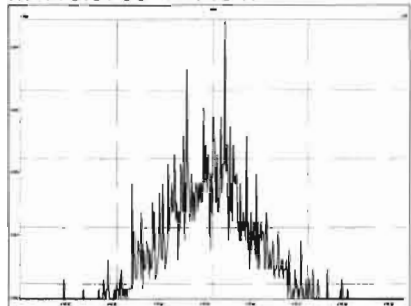
M 392.9760 R 10637



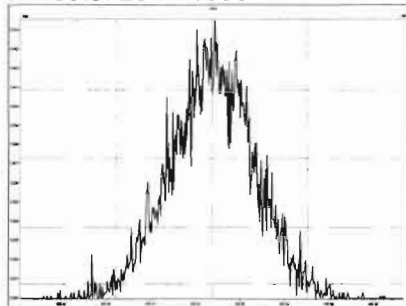
M 404.9760 R 11679



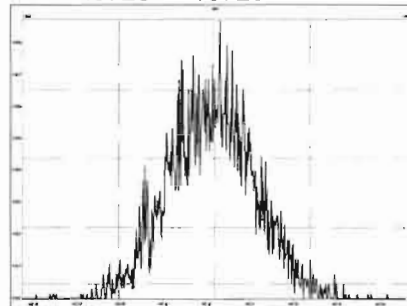
M 416.9760 R 11847



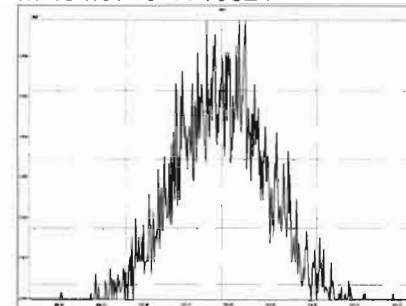
M 430.9728 R 10962



M 442.9728 R 10729



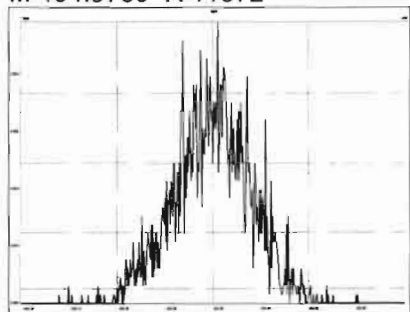
M 454.9728 R 10824



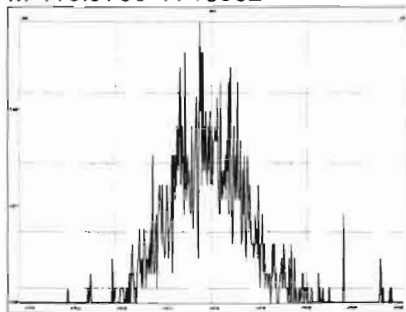
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Printed: Tuesday, March 16, 2021 12:32:31 Pacific Daylight Time

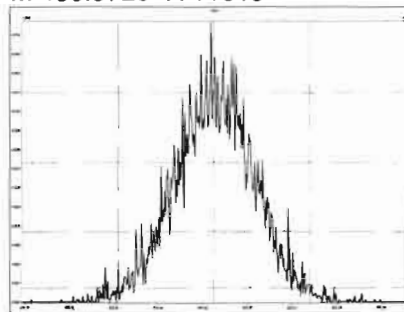
M 404.9760 R 11572



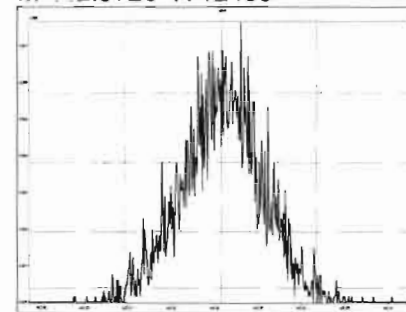
M 416.9760 R 13582



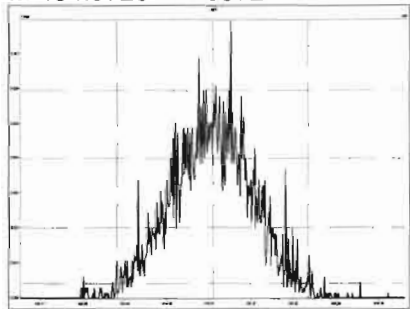
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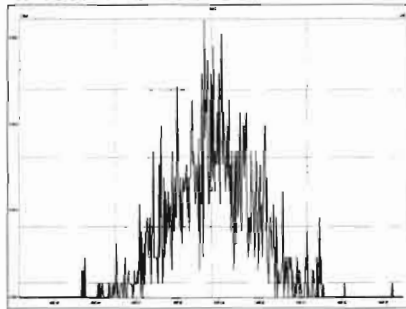
M 442.9728 R 12438



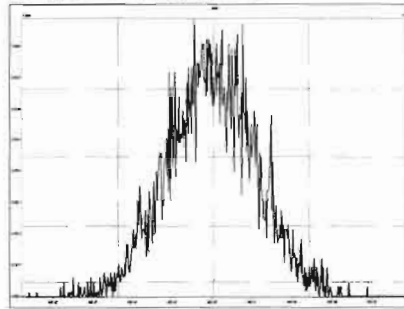
M 454.9728 R 10872



M 466.9728 R 14620



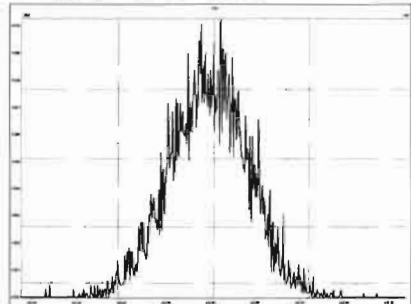
M 480.9696 R 10120



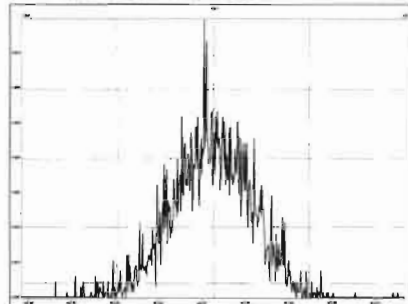
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Printed: Tuesday, March 16, 2021 12:33:21 Pacific Daylight Time

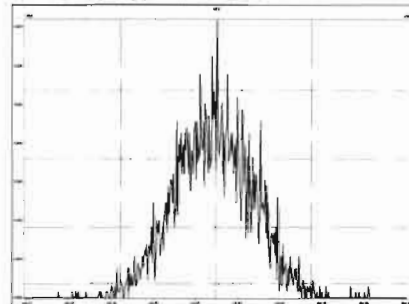
M 430.9728 R 10594



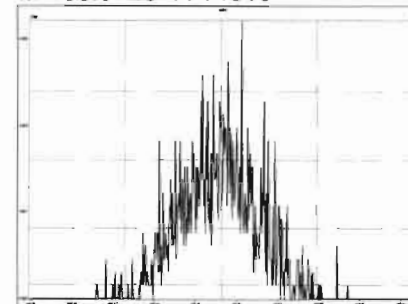
M 442.9728 R 11362



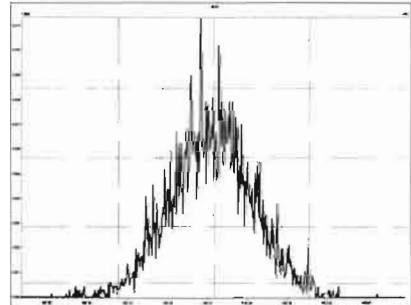
M 454.9728 R 12691



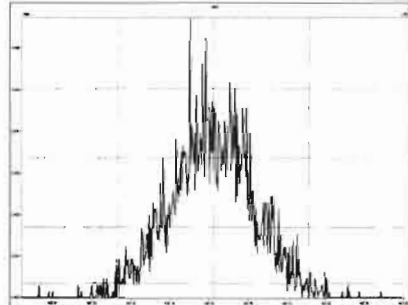
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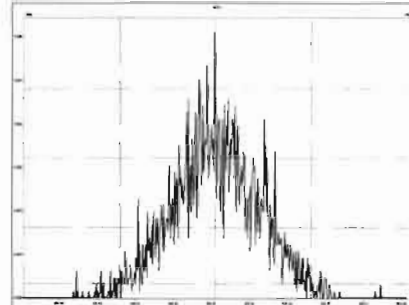
M 480.9696 R 11469



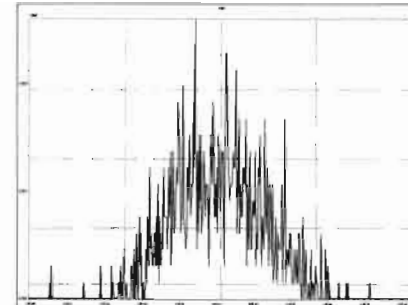
M 492.9696 R 11363



M 504.9696 R 11575



M 516.9697 R 12258



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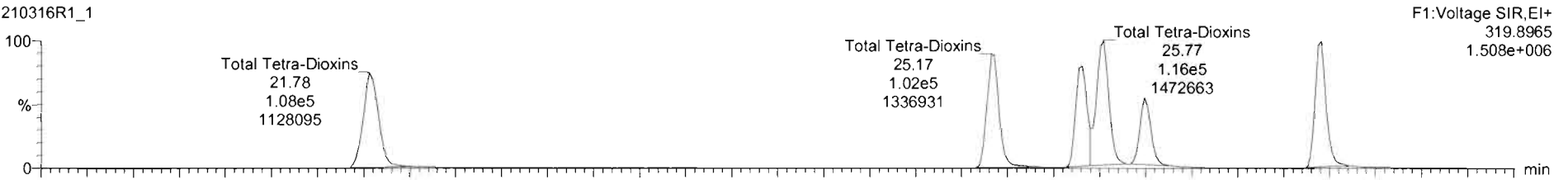
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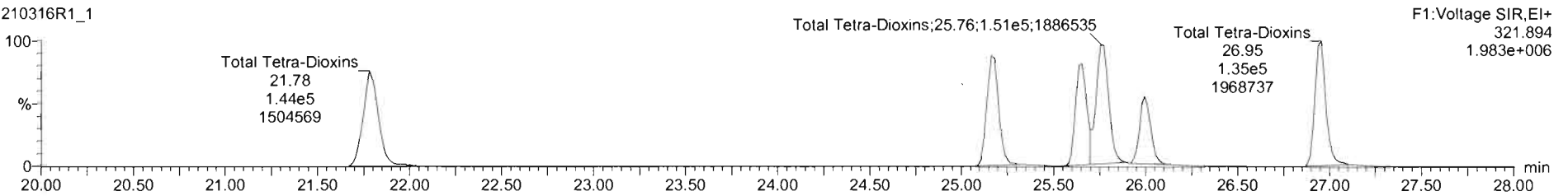
Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

2,3,7,8-TCDD

210316R1_1

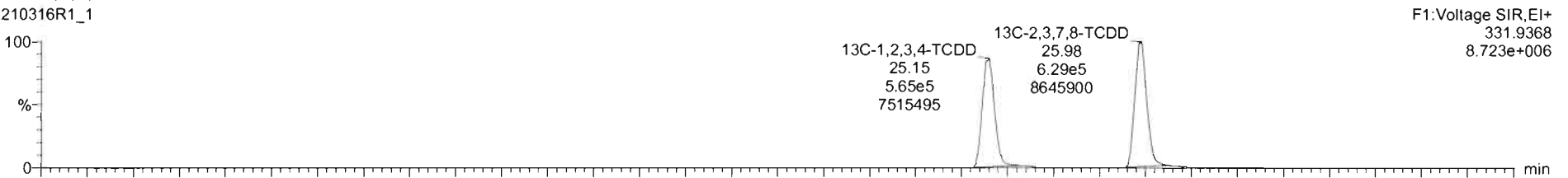


210316R1_1

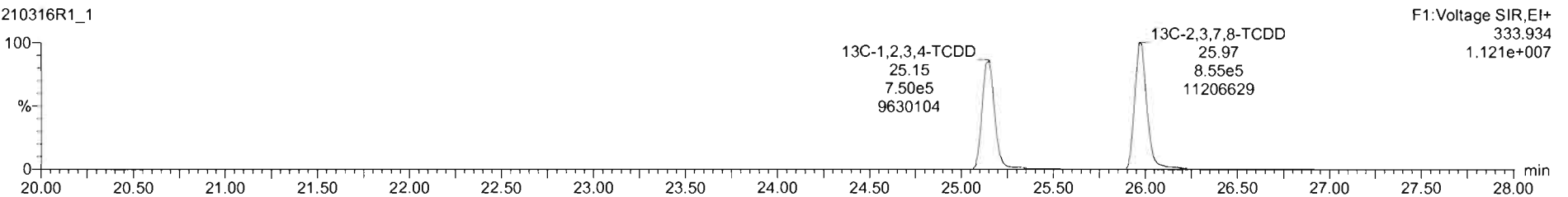


13C-2,3,7,8-TCDD

210316R1_1

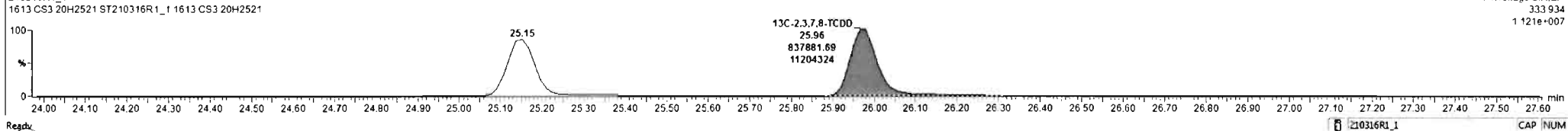
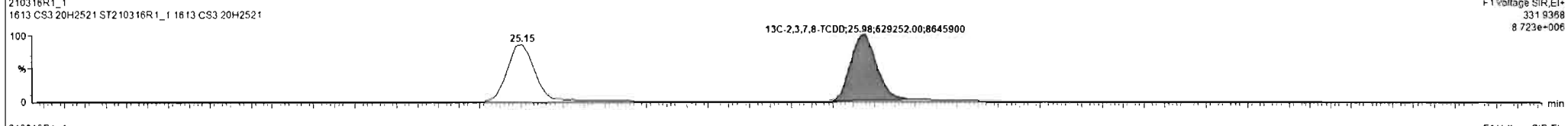
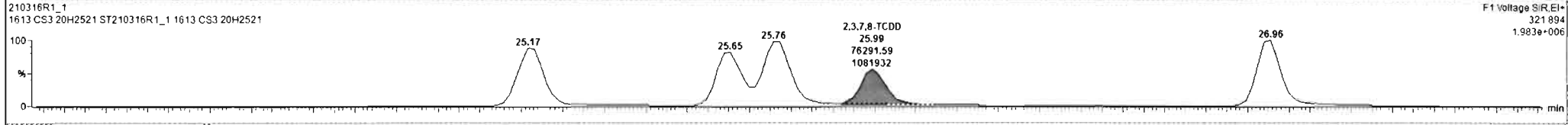
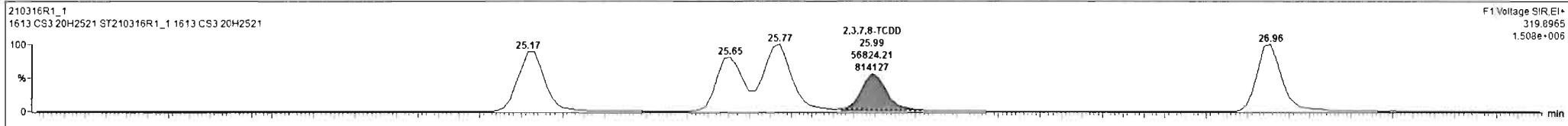


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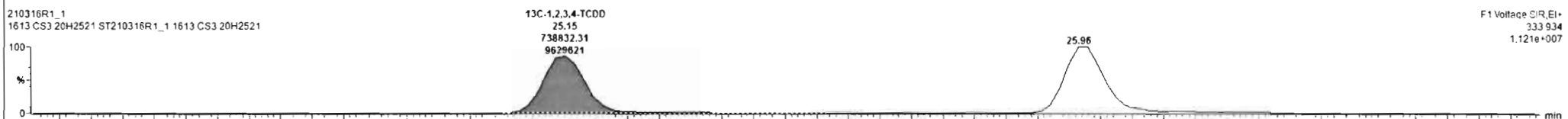
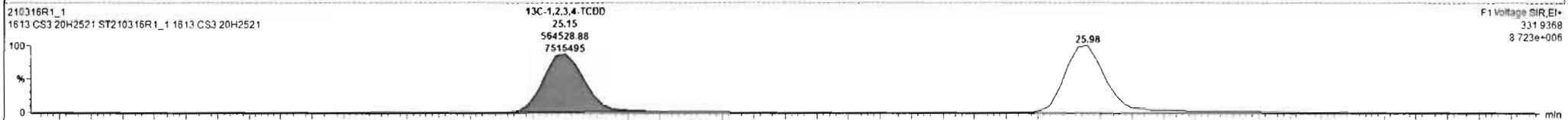
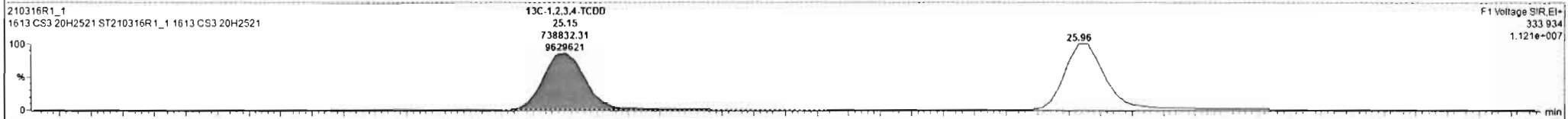
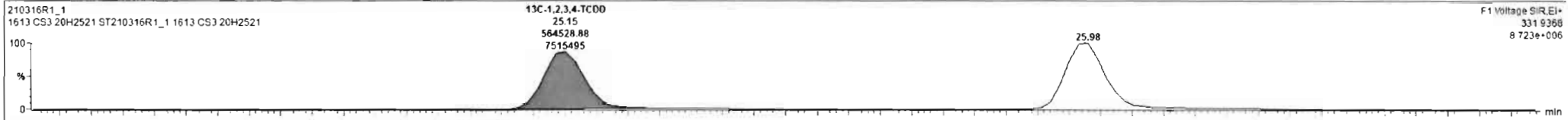


210316R1_1 - ST210316R1_1 1613 CS3 20H2521 - 1613 CS3 20H2521

#	Name	Reso	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	1.33e5	1.47e6	0.77	0.74	NO	1.0057	25.01	25.99	NO	1.001	1.001	9.00	90.0	NO
2	1,2,3,7,8-PeCDD	4.66e5	9.76e5	0.63	0.61	NO	0.9952	30.91	30.90	NO	1.001	1.000	48.0	95.9	NO
3	1,2,3,4,7,8-HxCDD	3.74e5	7.01e5	1.24	1.25	NO	1.0576	34.21	34.21	NO	1.001	1.001	50.4	101	NO
4	1,2,3,6,7,8-HxCDD	4.08e5	8.34e5	1.24	1.26	NO	0.9404	34.33	34.33	NO	1.001	1.001	52.1	104	NO
5	1,2,3,7,8,9-HxCDD	3.66e5	7.56e5	1.24	1.26	NO	0.9572	34.58	34.59	NO	1.000	1.001	50.6	101	NO
6	1,2,3,4,6,7,8-HpCDD	2.59e5	5.32e5	1.04	1.03	NO	0.9601	38.07	38.07	NO	1.000	1.000	50.7	101	NO
7	OCDD	4.87e5	1.07e6	0.89	0.88	NO	0.9117	40.99	40.99	NO	1.000	1.000	100	100	NO
8	2,3,7,8-TCDF	1.63e5	1.99e6	0.77	0.76	NO	0.8039	25.23	25.25	NO	1.000	1.001	10.2	102	NO
9	1,2,3,7,8-PeCDF	7.02e5	1.44e6	1.55	1.54	NO	0.9945	29.59	29.60	NO	1.000	1.001	48.9	97.9	NO
10	2,3,4,7,8-PeCDF	7.20e5	1.30e6	1.55	1.55	NO	1.1352	30.71	30.70	NO	1.001	1.000	48.7	97.4	NO
11	1,2,3,4,7,8-HxCDF	4.61e5	8.84e5	1.24	1.23	NO	0.9556	33.32	33.32	NO	1.000	1.000	54.6	109	NO
12	1,2,3,6,7,8-HxCDF	5.12e5	1.04e6	1.24	1.23	NO	0.9058	33.46	33.46	NO	1.001	1.001	54.1	108	NO
13	2,3,4,6,7,8-HpCDF	4.85e5	9.18e5	1.24	1.21	NO	0.9627	34.11	34.10	NO	1.001	1.000	54.9	110	NO
14	1,2,3,7,8,9-HxCDF	3.81e5	7.77e5	1.24	1.23	NO	0.9273	35.06	35.06	NO	1.000	1.000	52.8	106	NO
15	1,2,3,4,6,7,8-HpCDF	3.52e5	6.72e5	1.04	1.02	NO	0.9565	36.58	36.58	NO	1.000	1.000	54.7	109	NO
16	1,2,3,4,7,8,9-HpCDF	2.95e5	4.85e5	1.04	1.02	NO	1.0957	38.75	38.75	NO	1.000	1.000	55.5	111	NO



#	Name	Resp	IS Resp	Prod RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
36	36 13C-1,2,3,4-TCDD	1.30e6	1.30e6	0.77	0.76	NO	1.0000	25.15	25.15	NO	1.000	1.000	100	100	NO
37	37 13C-1,2,3,4-TCDF	1.91e6	1.91e6	0.77	0.79	NO	1.0000	23.54	23.50	NO	1.000	1.000	100	100	NO
38	38 13C-1,2,3,4,6,9-HxCDF	9.84e5	9.84e5	0.51	0.52	NO	1.0000	33.74	33.74	NO	1.000	1.000	100	100	YES
39	39 Total Tetra-Dioxins		1.47e6				1.0087	24.62		NO	0.000		88.6		NO
40	40 Total Penta-Dioxins		9.76e5				0.9952	29.96		NO	0.000		244		NO
41	41 Total Hexa-Dioxins		0.00e0				0.9404	33.83		NO	0.000		273		NO
42	42 Total Hepta-Dioxins		5.32e5				0.9601	37.64		NO	0.000		164		NO
43	43 Total Tetra-Furans		1.99e6				0.8039	23.61		NO	0.000		54.2		NO
44	44 1st Func. Penta-Furans		0.00e0				0.9945	26.93		NO	0.000		119		NO
45	45 Total Penta-Furans		0.00e0				0.9945	29.27		NO	0.000		174		NO
46	46 Total Hexa-Furans		0.00e0				0.9627	33.56		NO	0.000		325		NO
47	47 Total Hepta-Furans		0.00e0				0.9565	37.83		NO	0.000		110		NO
48	48 PFK1														
49	49 PFK2														
50	50 PFK3														
51	51 PFK4														



Dataset: U:\VG12.PRO\Results\210316R1\210316R1_1.qld

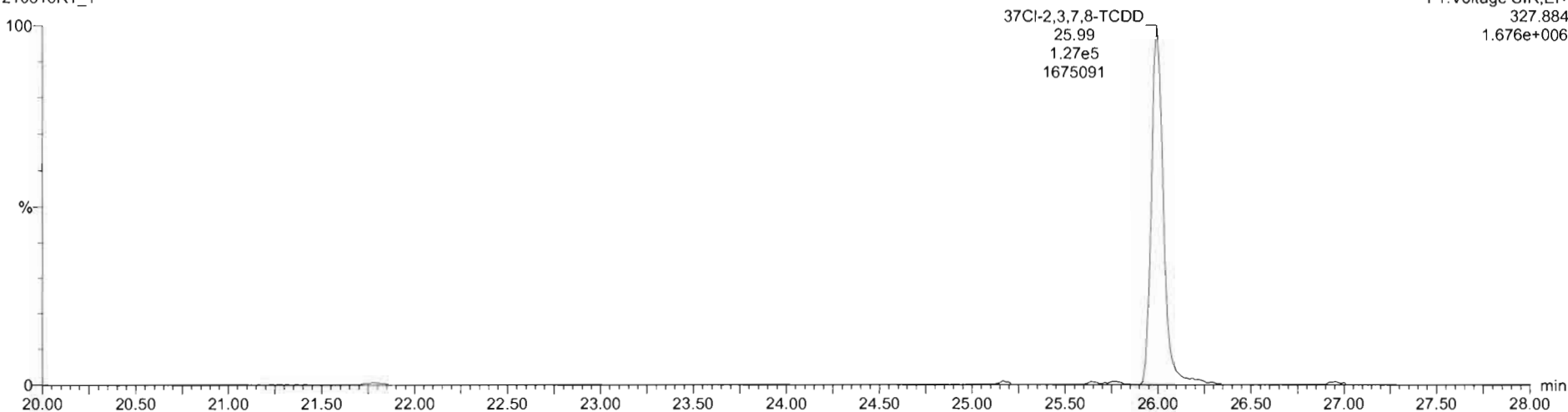
Last Altered: Tuesday, March 16, 2021 14:55:12 Pacific Daylight Time

Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

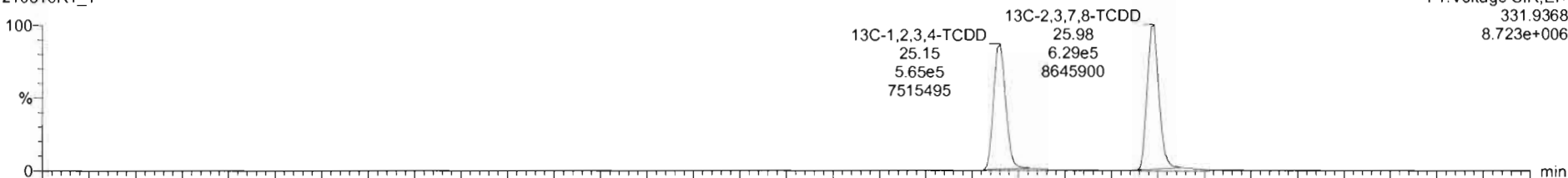
37Cl-2,3,7,8-TCDD

210316R1_1

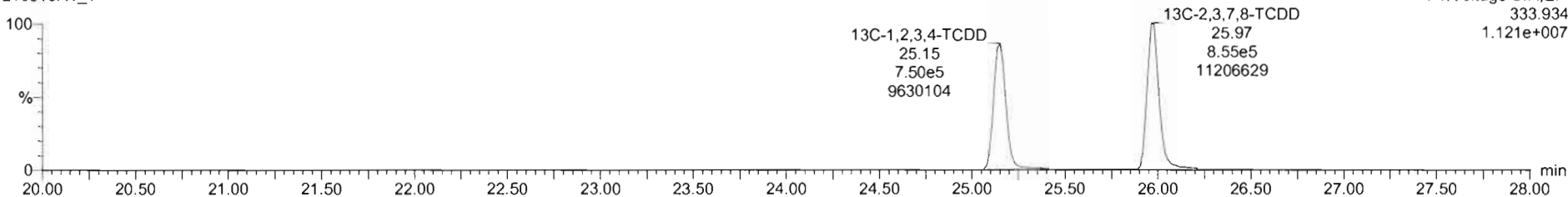


13C-1,2,3,4-TCDD

210316R1_1



210316R1_1



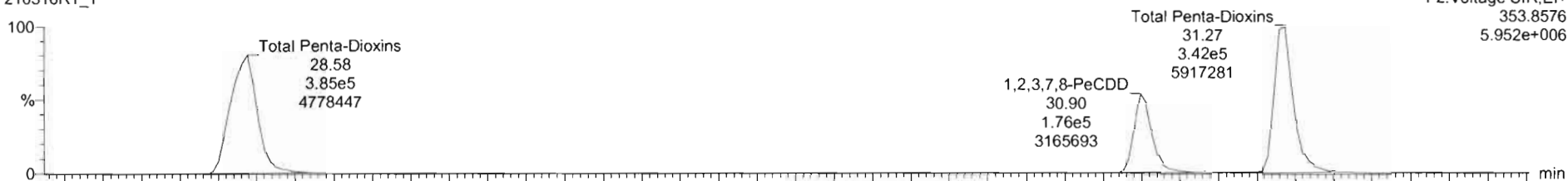
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Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

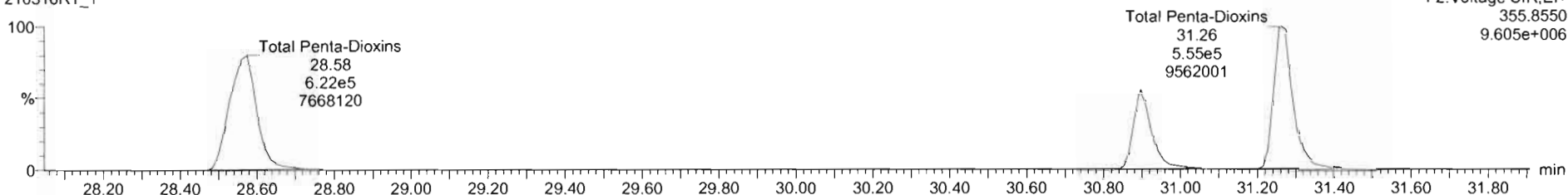
Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

1,2,3,7,8-PeCDD

210316R1_1

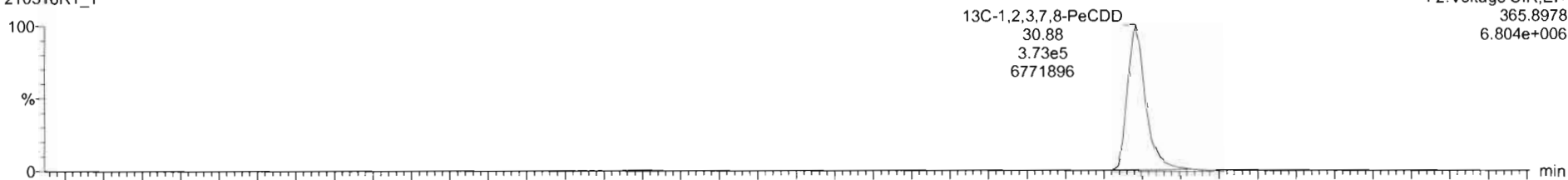


210316R1_1

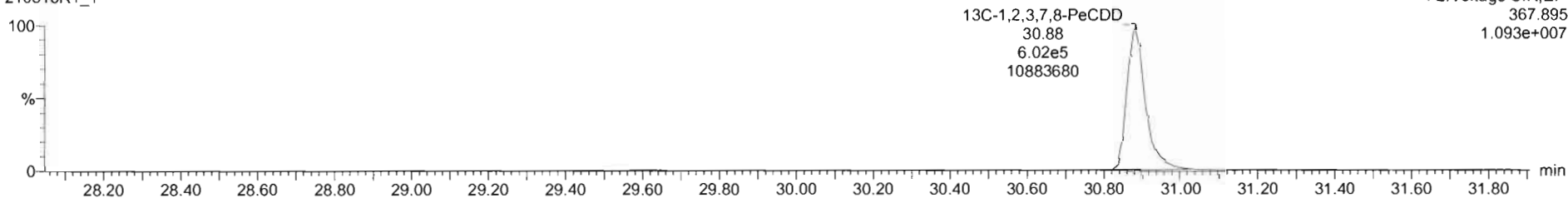


13C-1,2,3,7,8-PeCDD

210316R1_1



210316R1_1

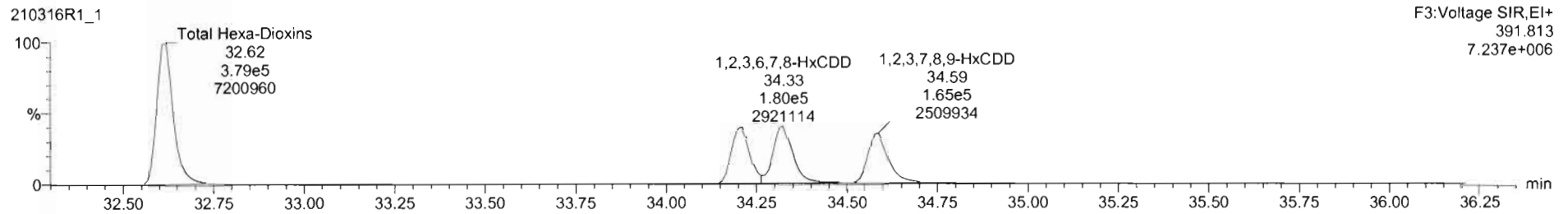
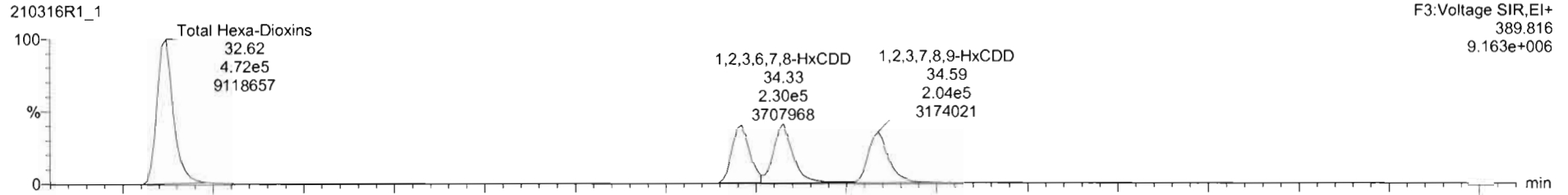


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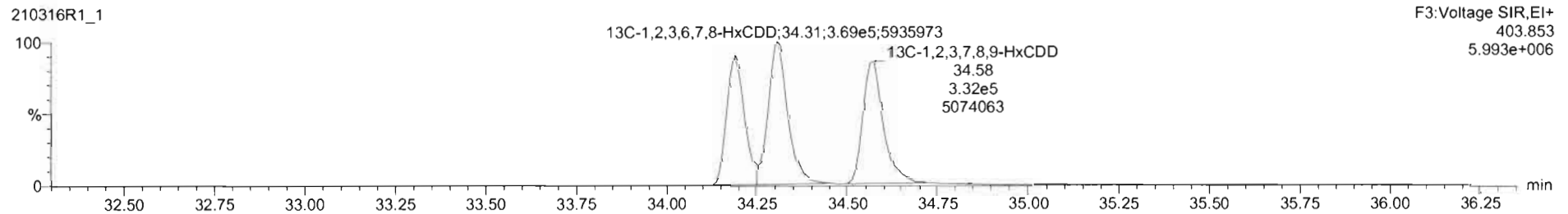
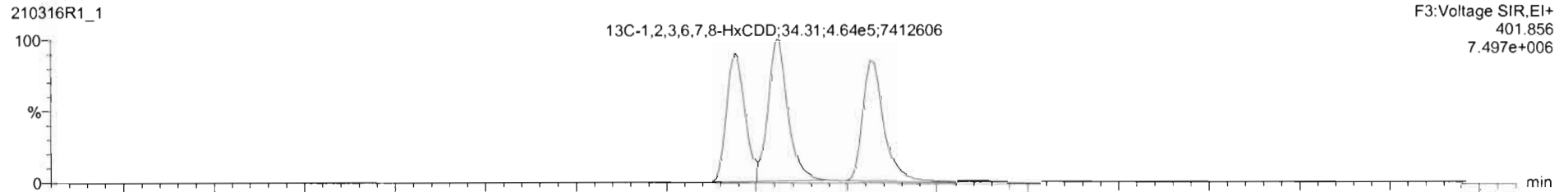
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Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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



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



Dataset: U:\VG12.PRO\Results\210316R1\210316R1_1.qld

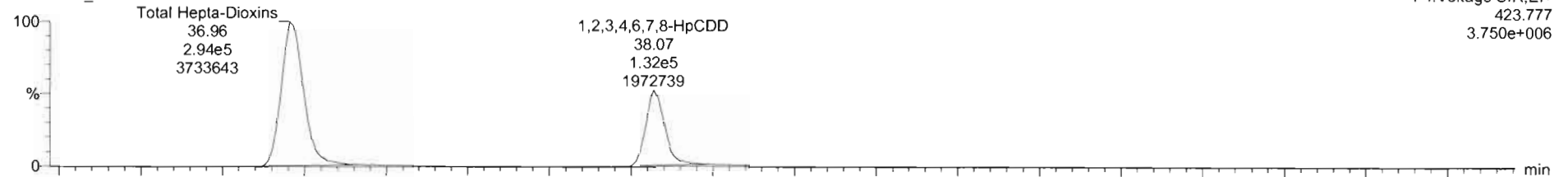
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Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

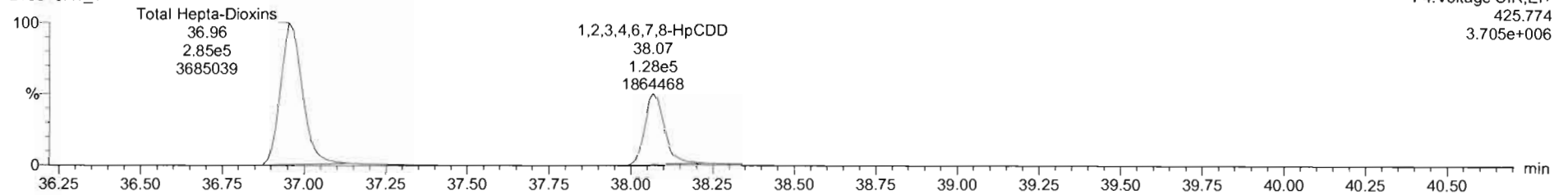
Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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

210316R1_1

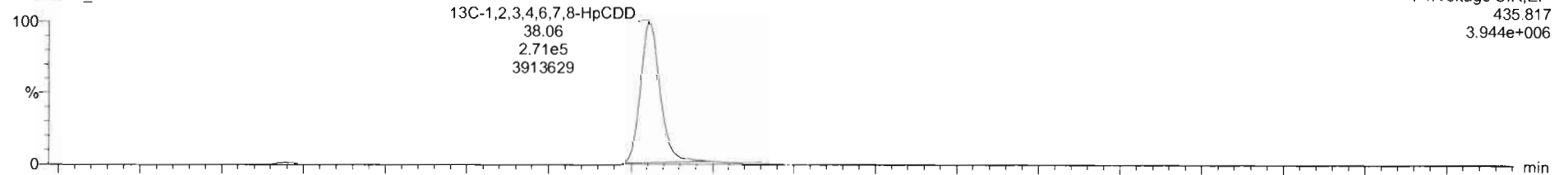


210316R1_1

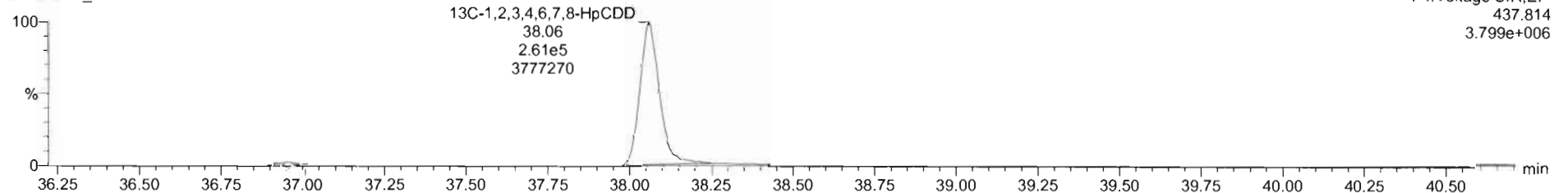


13C-1,2,3,4,6,7,8-HpCDD

210316R1_1



210316R1_1



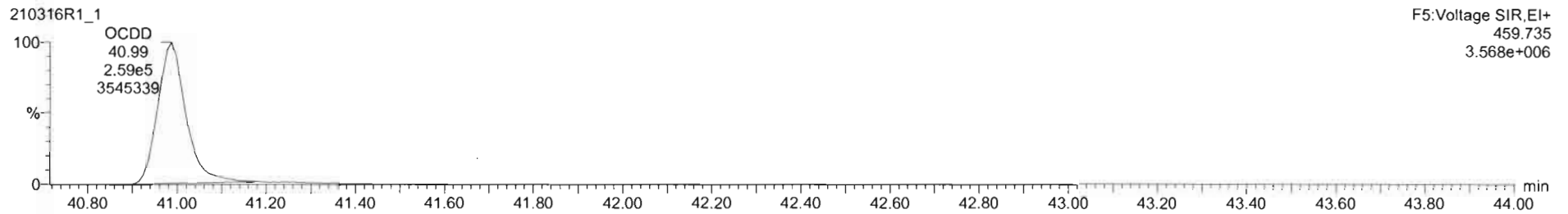
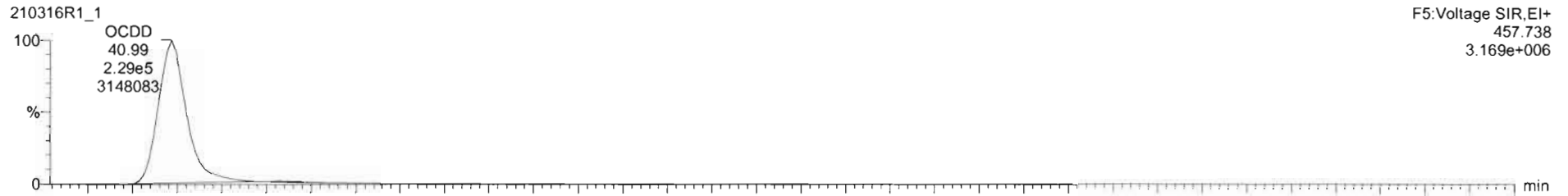
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Last Altered: Tuesday, March 16, 2021 14:55:12 Pacific Daylight Time

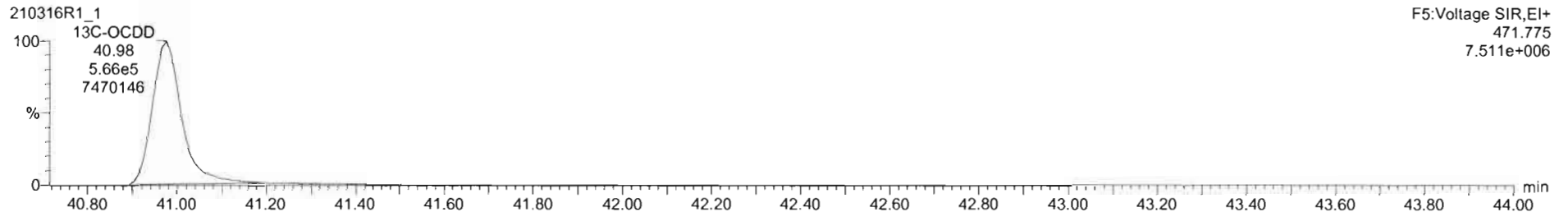
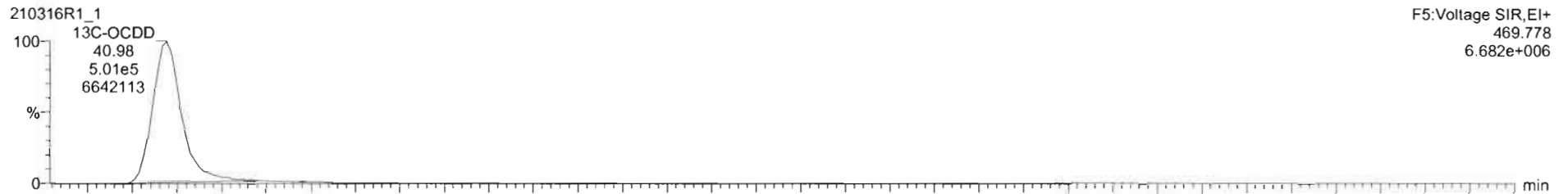
Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

OCDD



13C-OCDD

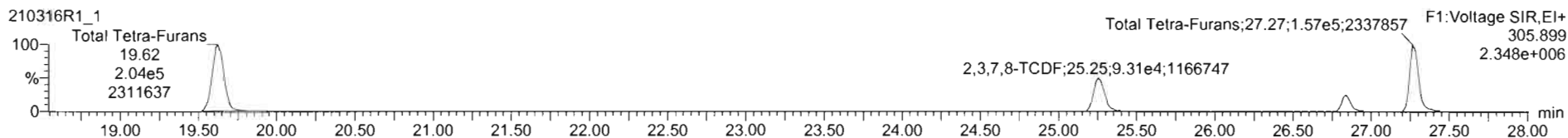
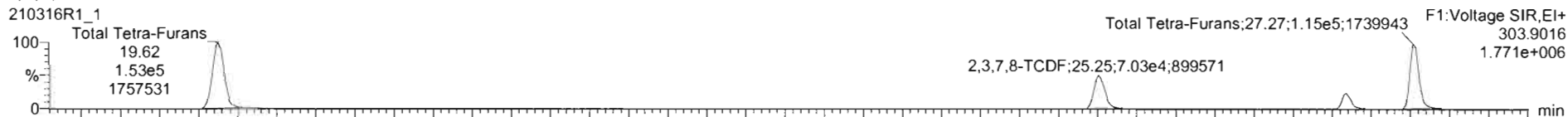


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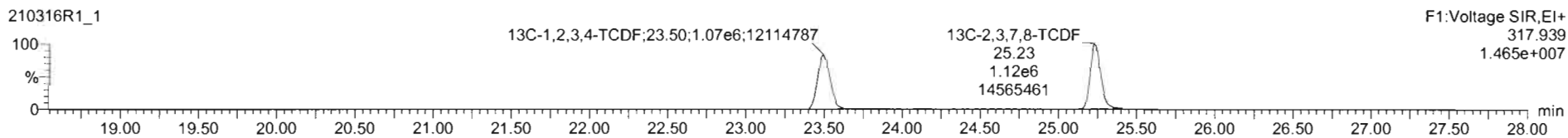
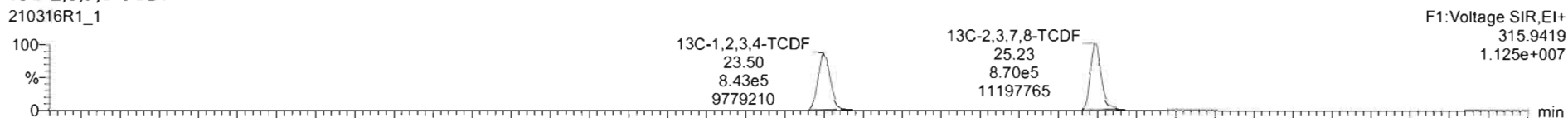
Last Altered: Tuesday, March 16, 2021 14:55:12 Pacific Daylight Time
Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

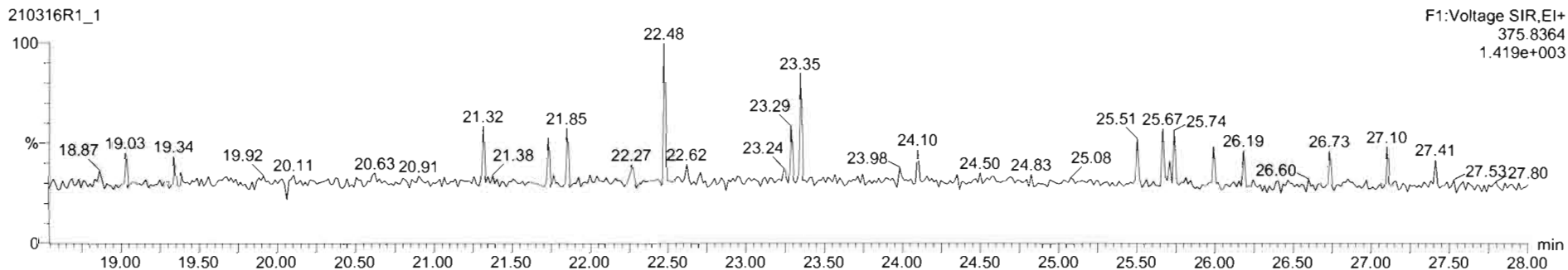
2,3,7,8-TCDF



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

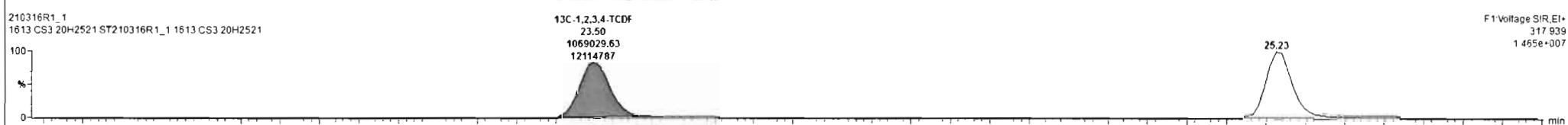
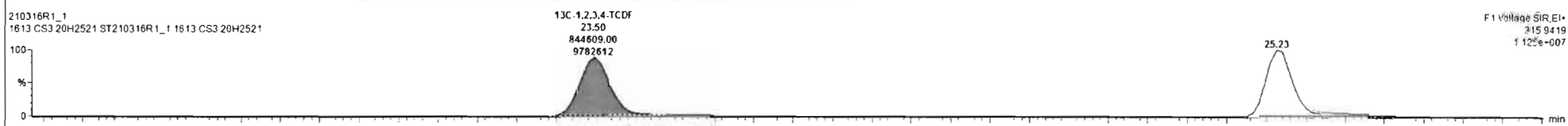
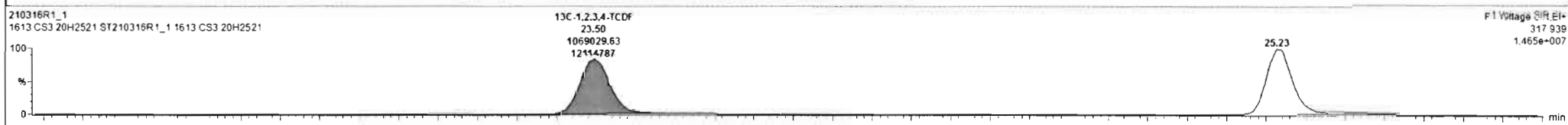
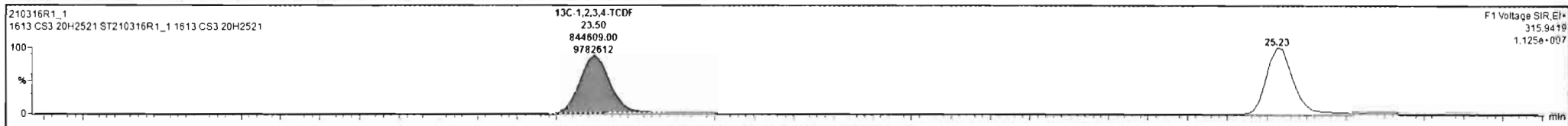


DPE1



210316R1_1 - ST210316R1_1 1613 CS3 20H2521 - 1613 CS3 20H2521

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
23	13C-1,2,3,4,6,7,8-HpCDD	5.32e5	9.84e5	1.04	1.04	NO	0.4969	38.21	38.06	NO	1.133	1.128	109	109	NO
24	13C-OCDD	1.07e6	9.84e5	0.89	0.89	NO	0.4623	40.94	40.96	NO	1.214	1.215	235	117	NO
25	13C-2,3,7,8-TCDF	1.99e5	1.91e6	0.77	0.78	NO	0.9773	25.24	25.23	NO	1.003	1.003	106	106	NO
26	13C-1,2,3,7,8-PeCDF	1.44e6	1.91e6	1.55	1.58	NO	0.7594	29.59	29.59	NO	1.176	1.176	99.3	99.3	NO
27	13C-2,3,4,7,8-PeCDF	1.30e6	1.91e6	1.55	1.57	NO	0.6568	30.71	30.69	NO	1.221	1.220	104	104	NO
28	13C-1,2,3,4,7,8-HxCDF	8.84e5	9.84e5	0.51	0.51	NO	0.9501	33.30	33.31	NO	0.987	0.987	94.5	94.5	NO
29	13C-1,2,3,6,7,8-HxCDF	1.04e6	9.84e5	0.51	0.52	NO	1.0981	33.43	33.44	NO	0.991	0.991	96.5	96.5	NO
30	13C-2,3,4,6,7,8-HxCDF	9.18e5	9.84e5	0.51	0.51	NO	0.9571	34.10	34.08	NO	1.011	1.010	97.4	97.4	NO
31	13C-1,2,3,7,8,9-HxCDF	7.77e5	9.84e5	0.51	0.52	NO	0.8206	35.08	35.05	NO	1.040	1.039	96.2	96.2	NO
32	13C-1,2,3,4,6,7,8-HpCDF	6.72e5	9.84e5	0.44	0.44	NO	0.6626	36.64	36.57	NO	1.088	1.084	103	103	NO
33	13C-1,2,3,4,7,8,9-HpCDF	4.93e5	9.84e5	0.44	0.41	NO	0.4752	38.90	38.74	NO	1.153	1.148	105	105	NO
34	13C-OCDF	1.26e6	9.84e5	0.89	0.88	NO	0.6320	41.66	41.25	NO	1.235	1.223	202	101	NO
35	37Cl-2,3,7,8-TCDD	1.27e5	1.31e6				1.0397	25.99	25.99	NO	1.033	1.033	9.31	93.1	NO
36	13C-1,2,3,4-TCDD	1.31e6	1.31e6	0.77	0.75	NO	1.0000	25.18	25.15	NO	1.000	1.000	100	100	NO
37	13C-1,2,3,4-TCDF	1.91e6	1.91e6	0.77	0.79	NO	1.0000	23.54	23.50	NO	1.000	1.000	100	100	NO
38	13C-1,2,3,4,6,9-HxCDF	9.84e5	9.84e5	0.51	0.52	NO	1.0000	33.74	33.74	NO	1.000	1.000	100	100	YES



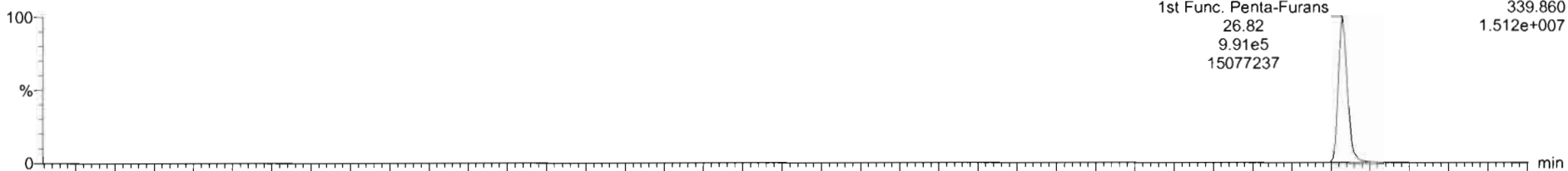
Dataset: U:\VG12.PRO\Results\210316R1\210316R1_1.qld

Last Altered: Tuesday, March 16, 2021 14:55:12 Pacific Daylight Time
Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

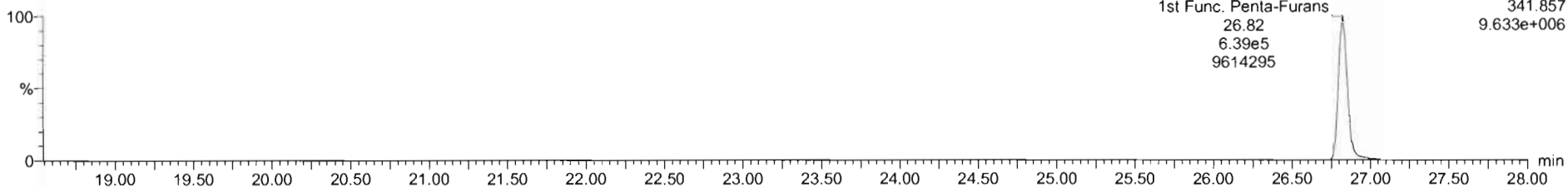
Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

1st Func. Penta-Furans

210316R1_1

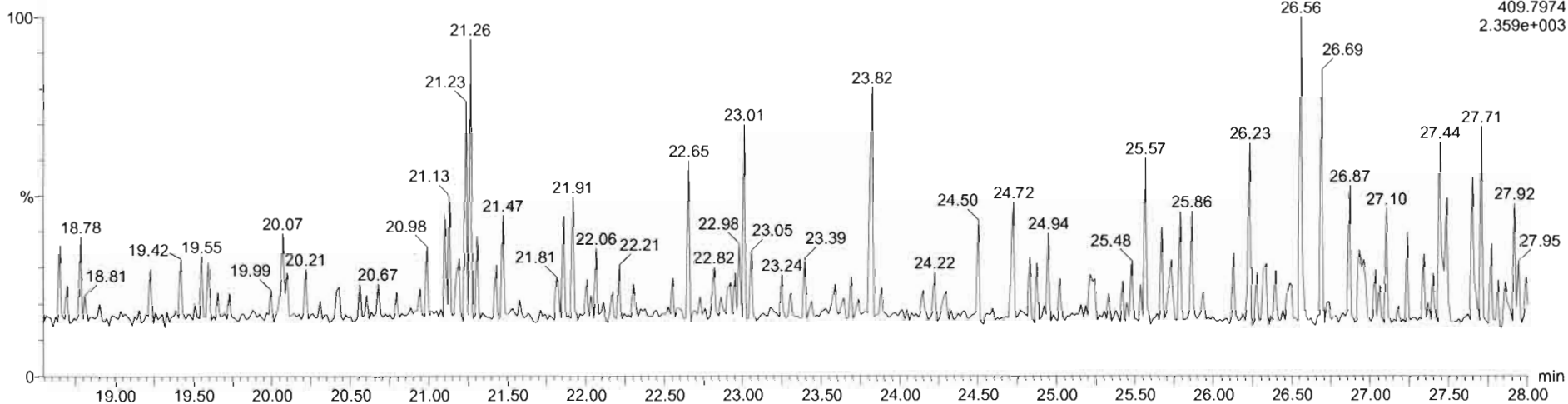


210316R1_1



DPE6

210316R1_1



Dataset: U:\VG12.PRO\Results\210316R1\210316R1_1.qld

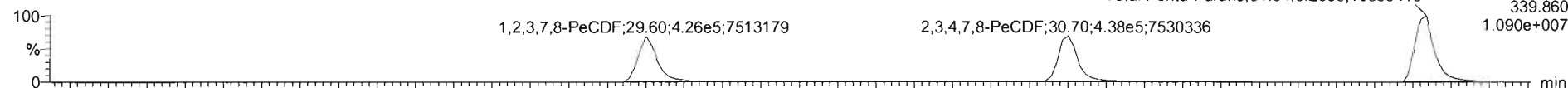
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Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

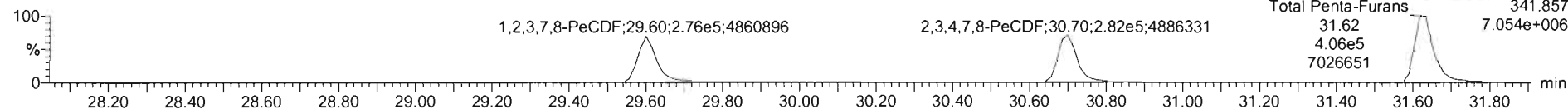
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1,2,3,7,8-PeCDF

210316R1_1

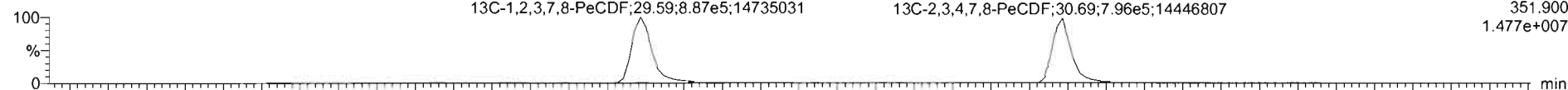


210316R1_1

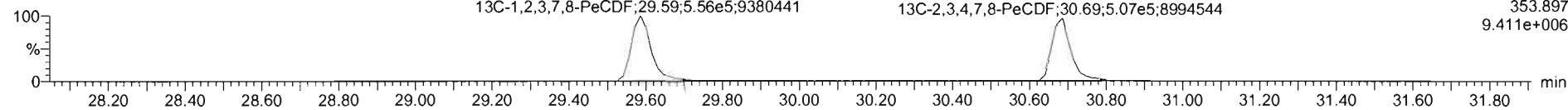


13C-1,2,3,7,8-PeCDF

210316R1_1

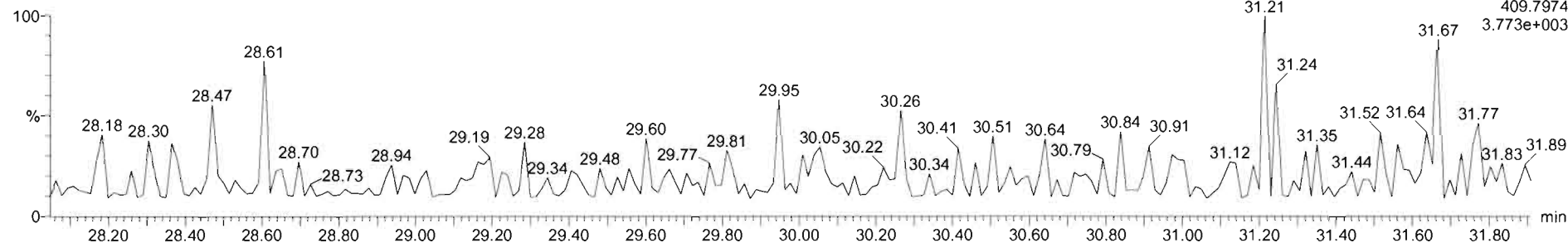


210316R1_1



DPE2

210316R1_1

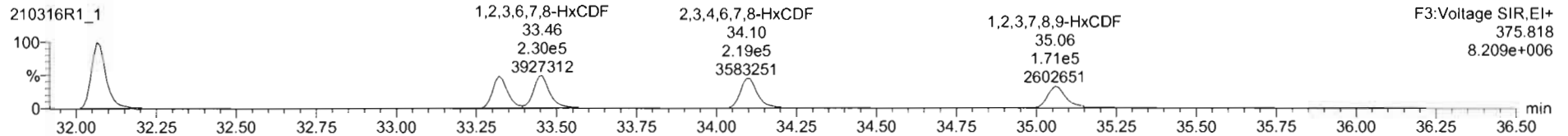
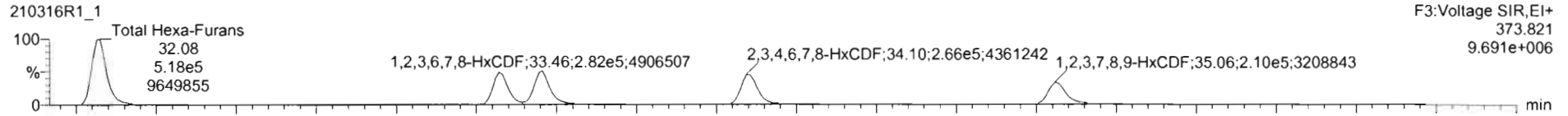


Dataset: U:\VG12.PRO\Results\210316R1\210316R1_1.qld

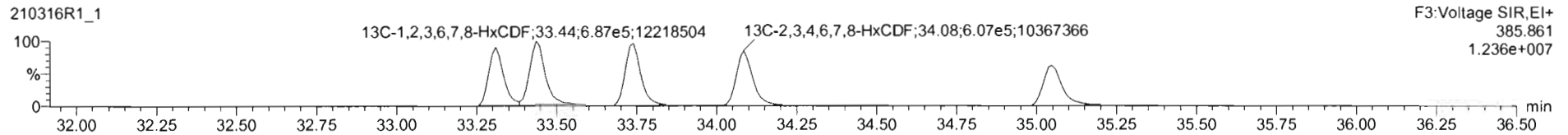
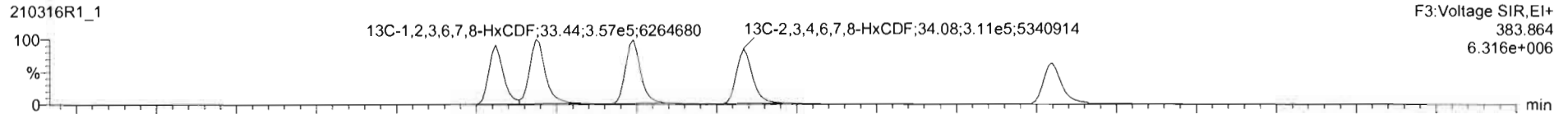
Last Altered: Tuesday, March 16, 2021 14:55:12 Pacific Daylight Time
Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

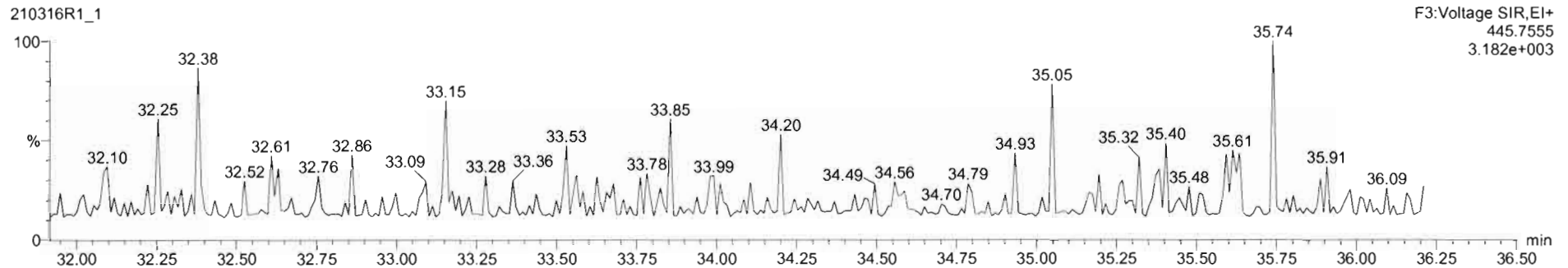
1,2,3,4,7,8-HxCDF



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



DPE3

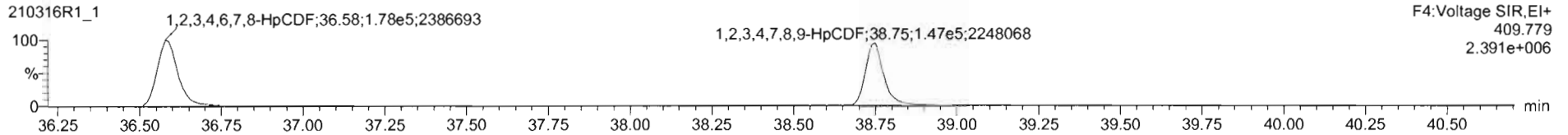
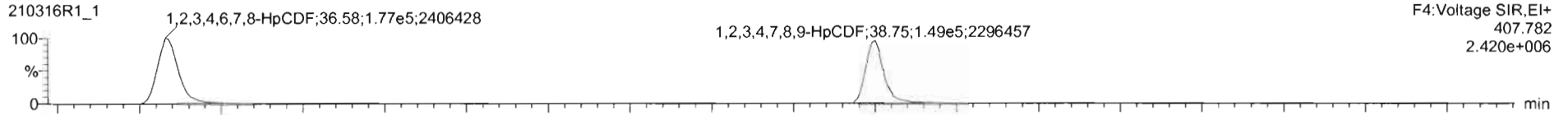


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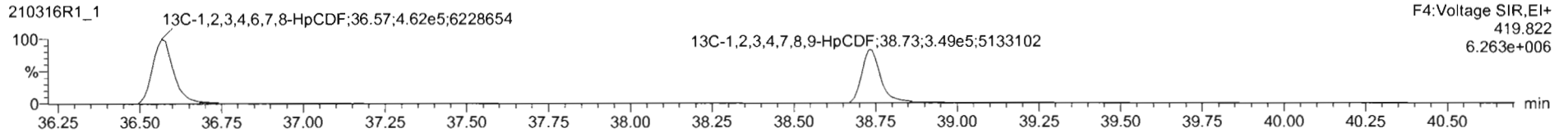
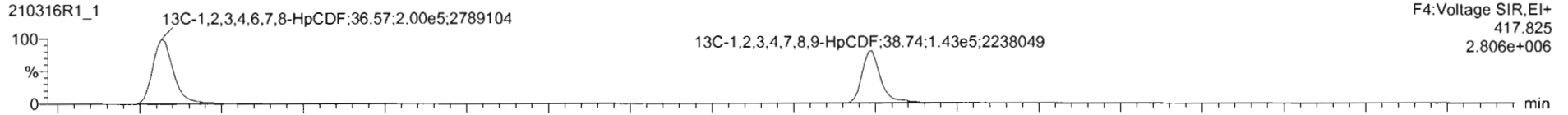
Last Altered: Tuesday, March 16, 2021 14:55:12 Pacific Daylight Time
Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

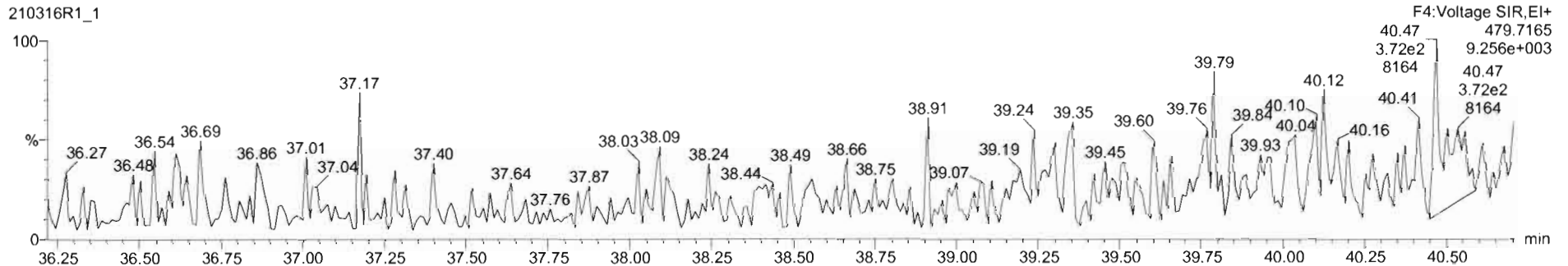
1,2,3,4,6,7,8-HpCDF



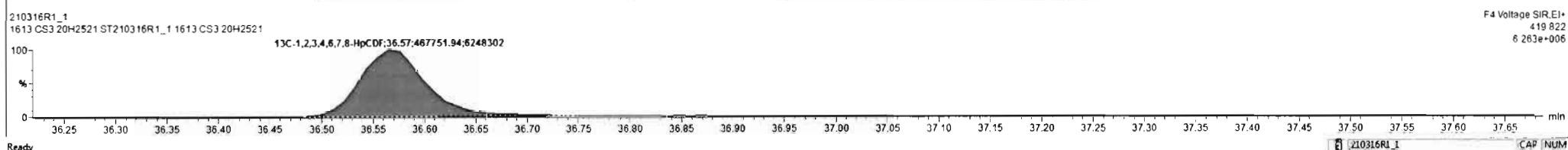
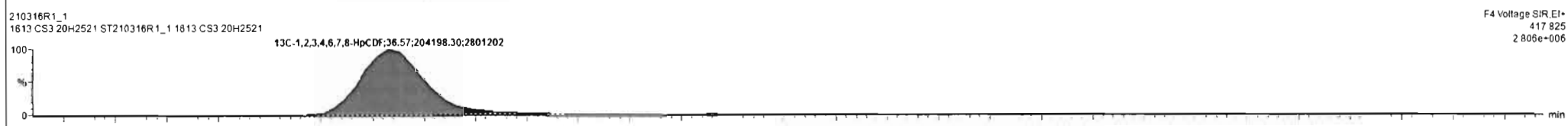
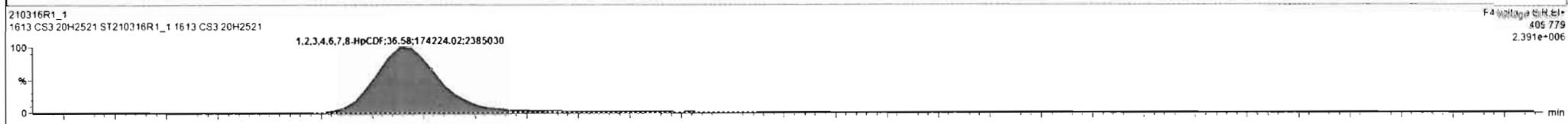
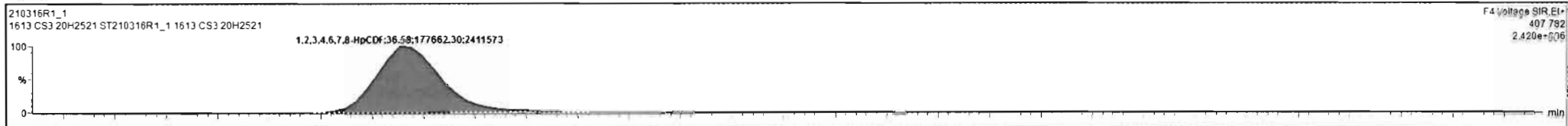
13C-1,2,3,4,6,7,8-HpCDF



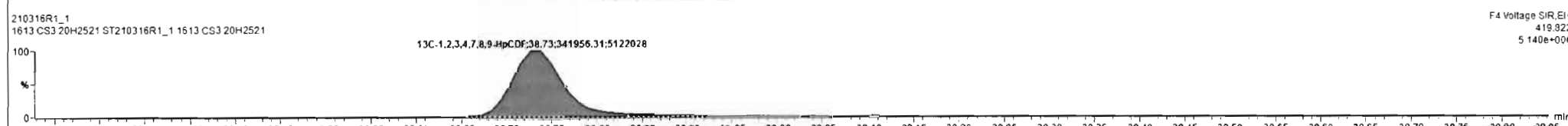
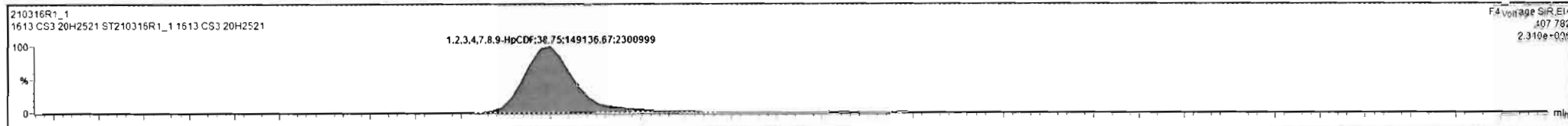
DPE4



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	1.29e5	1.48e6	0.77	0.74	NO	1.0087	26.01	25.99	NO	1.001	1.001	8.60	86.0	NO
2	1,2,3,7,8-PeCDD	4.66e5	9.76e5	0.63	0.61	NO	0.9952	30.91	30.90	NO	1.001	1.000	48.0	95.9	NO
3	1,2,3,4,7,8-HxCDD	3.74e5	7.01e5	1.24	1.25	NO	1.0578	34.21	34.21	NO	1.001	1.001	50.4	101	NO
4	1,2,3,6,7,8-HxCDD	4.11e5	8.34e5	1.24	1.28	NO	0.9404	34.33	34.33	NO	1.001	1.001	52.4	105	NO
5	1,2,3,7,8,9-HxCDD	3.69e5	7.56e5	1.24	1.23	NO	0.9572	34.58	34.59	NO	1.000	1.001	51.0	102	NO
6	1,2,3,4,6,7,8-HpCDD	2.59e5	5.32e5	1.04	1.03	NO	0.9601	38.07	38.07	NO	1.000	1.000	50.7	101	NO
7	OCDD	4.87e5	1.07e6	0.89	0.88	NO	0.9117	40.99	40.99	NO	1.000	1.000	100	100	NO
8	2,3,7,8-TCDF	1.63e5	1.99e6	0.77	0.76	NO	0.8039	25.23	25.25	NO	1.000	1.001	10.2	102	NO
9	1,2,3,7,8-PeCDF	7.02e5	1.44e6	1.56	1.54	NO	0.9945	29.59	29.60	NO	1.000	1.001	48.9	97.9	NO
10	2,3,4,7,8-PeCDF	7.20e5	1.30e6	1.56	1.55	NO	1.1352	30.71	30.70	NO	1.001	1.000	48.7	97.4	NO
11	1,2,3,4,7,8-HxCDF	4.61e5	8.84e5	1.24	1.23	NO	0.9556	33.32	33.32	NO	1.000	1.000	54.6	109	NO
12	1,2,3,6,7,8-HxCDF	5.12e5	1.04e6	1.24	1.23	NO	0.9058	33.46	33.46	NO	1.001	1.001	54.1	108	NO
13	1,2,3,4,6,7,8-HxCDF	4.85e5	9.18e5	1.24	1.21	NO	0.9627	34.11	34.10	NO	1.001	1.000	54.9	110	NO
14	1,2,3,7,8,9-HxCDF	3.81e5	7.77e5	1.24	1.23	NO	0.9273	35.06	35.06	NO	1.000	1.000	52.8	106	NO
15	1,2,3,4,6,7,8-HpCDF	3.52e5	8.72e5	1.04	1.02	NO	0.9565	36.58	36.58	NO	1.000	1.000	54.7	109	NO
16	1,2,3,4,7,8,9-HpCDF	2.96e5	4.93e5	1.04	1.01	NO	1.0957	38.75	38.75	NO	1.000	1.000	54.8	110	NO



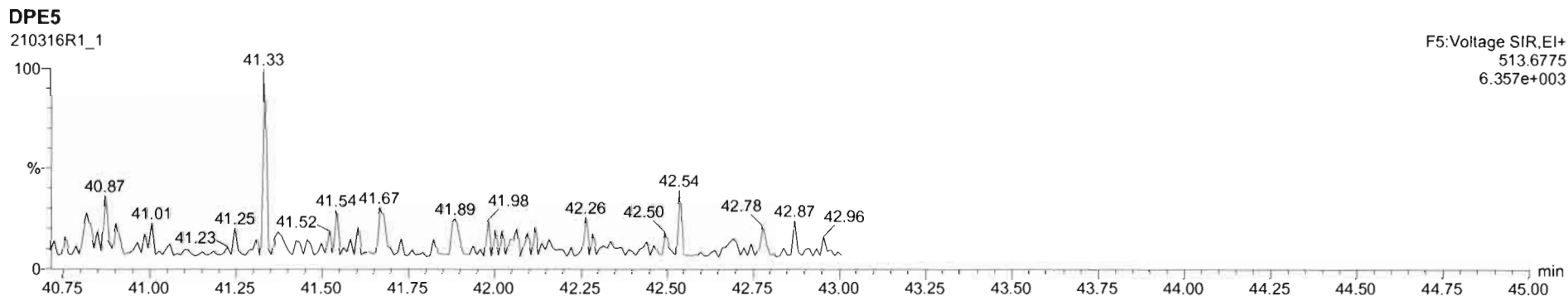
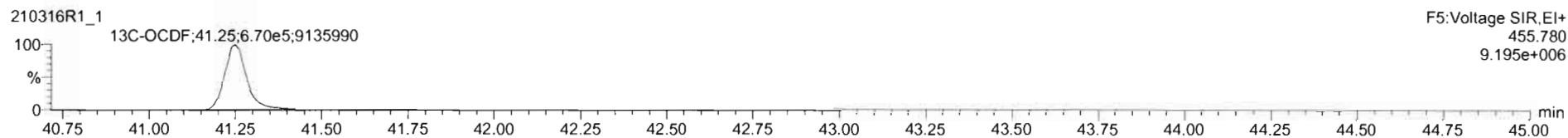
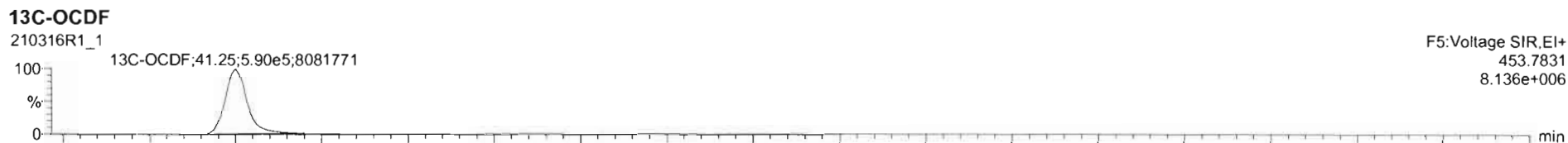
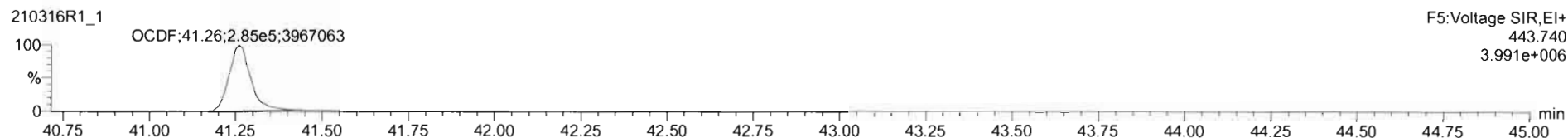
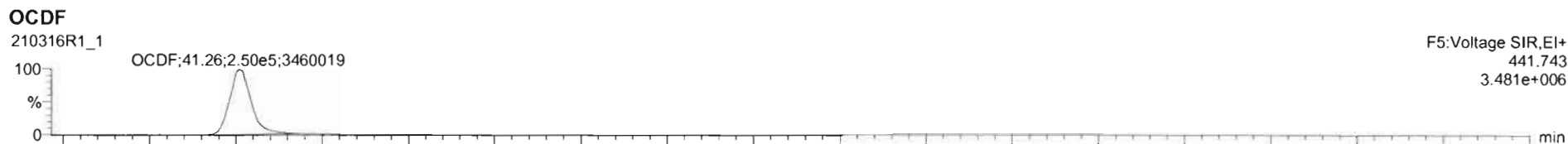
#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1,2,3,7,8-TCDD	1.33e5	1.48e6	0.77	0.74	NO	1.0087	26.01	25.99	NO	1.001	1.001	8.89	88.9	NO
2	1,2,3,7,8-PeCDD	4.68e5	9.76e5	0.63	0.61	NO	0.9952	30.91	30.90	NO	1.001	1.000	48.0	95.9	NO
3	1,2,3,4,7,8-HxCDD	3.74e5	7.01e5	1.24	1.25	NO	1.0578	34.21	34.21	NO	1.001	1.001	50.4	101	NO
4	1,2,3,6,7,8-HxCDD	4.08e5	8.34e5	1.24	1.26	NO	0.9404	34.33	34.33	NO	1.001	1.001	52.1	104	NO
5	1,2,3,7,8,9-HxCDD	3.68e5	7.56e5	1.24	1.26	NO	0.9572	34.58	34.59	NO	1.000	1.001	50.8	101	NO
6	1,2,3,4,6,7,8-HpCDD	2.59e5	5.32e5	1.04	1.03	NO	0.9601	38.07	38.07	NO	1.000	1.000	50.7	101	NO
7	OCDD	4.87e5	1.07e6	0.89	0.88	NO	0.9117	40.99	40.99	NO	1.000	1.000	100	100	NO
8	2,3,7,8-TCDF	1.63e5	1.99e5	0.77	0.76	NO	0.8039	25.23	25.25	NO	1.000	1.001	10.2	102	NO
9	1,2,3,7,8-PeCDF	7.02e5	1.44e6	1.55	1.54	NO	0.9945	29.59	29.60	NO	1.000	1.001	48.9	97.9	NO
10	1,2,3,4,7,8-PeCDF	7.20e5	1.30e6	1.55	1.55	NO	1.1352	30.71	30.70	NO	1.001	1.000	48.7	97.4	NO
11	1,2,3,4,7,8-HxCDF	4.61e5	8.84e5	1.24	1.23	NO	0.9556	33.32	33.32	NO	1.000	1.000	54.6	109	NO
12	1,2,3,6,7,8-HxCDF	5.12e5	1.04e6	1.24	1.23	NO	0.9058	33.46	33.46	NO	1.001	1.001	54.1	108	NO
13	1,2,3,4,6,7,8-HxCDF	4.85e5	9.18e5	1.24	1.21	NO	0.9627	34.11	34.10	NO	1.001	1.000	54.9	110	NO
14	1,2,3,7,8,9-HxCDF	3.81e5	7.77e5	1.24	1.23	NO	0.9273	35.06	35.06	NO	1.000	1.000	52.8	106	NO
15	1,2,3,4,6,7,8-HpCDF	3.52e5	6.72e5	1.04	1.02	NO	0.9585	38.58	38.58	NO	1.000	1.000	54.7	109	NO
16	1,2,3,4,7,8,9-HpCDF	2.95e5	4.85e5	1.04	1.02	NO	1.0997	38.75	38.75	NO	1.000	1.000	55.5	111	NO



Dataset: U:\VG12.PRO\Results\210316R1\210316R1_1.qld

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Printed: Tuesday, March 16, 2021 16:22:11 Pacific Daylight Time

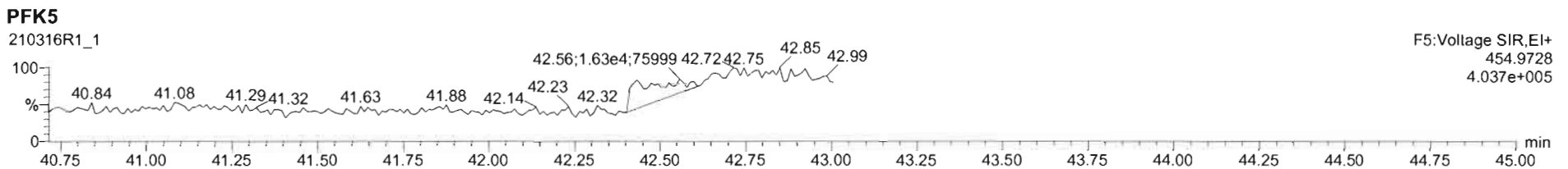
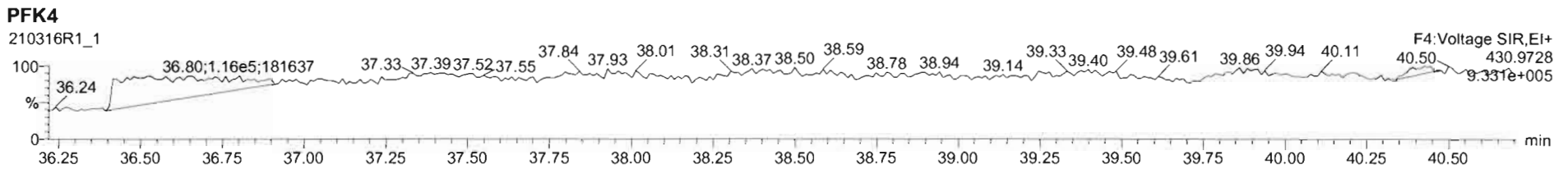
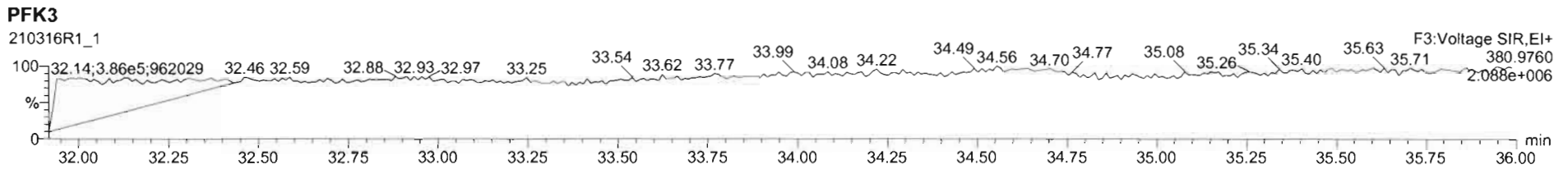
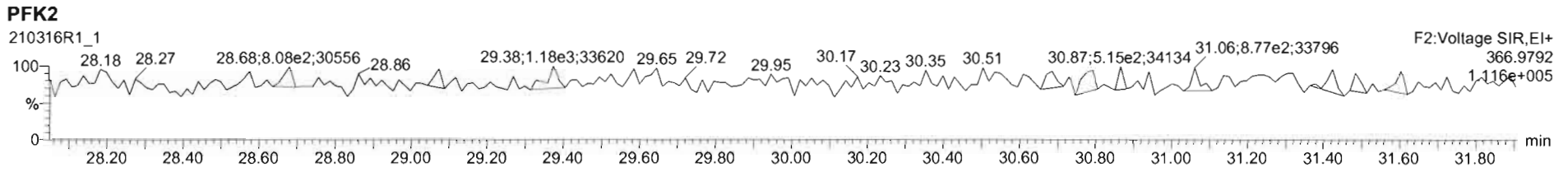
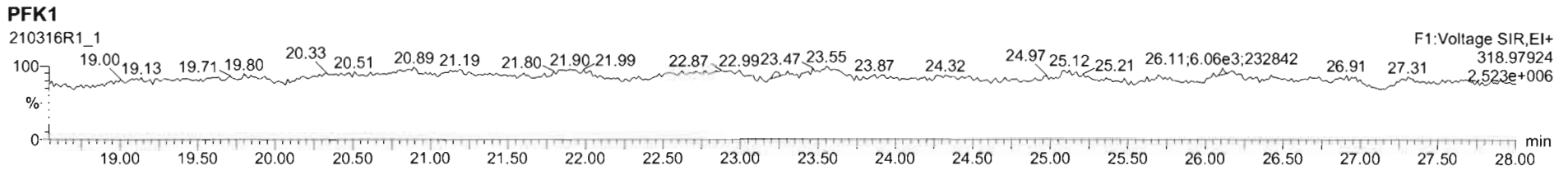
Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521



Dataset: U:\VG12.PRO\Results\210316R1\210316R1_1.qld

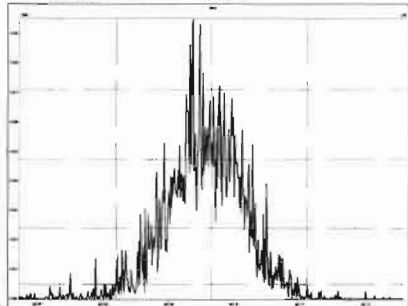
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Name: 210316R1_1, Date: 16-Mar-2021, Time: 12:34:33, ID: ST210316R1_1 1613 CS3 20H2521, Description: 1613 CS3 20H2521

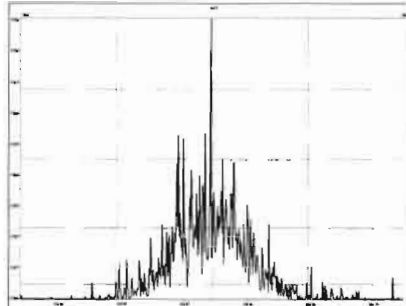


Printed: Tuesday, March 16, 2021 23:30:20 Pacific Daylight Time

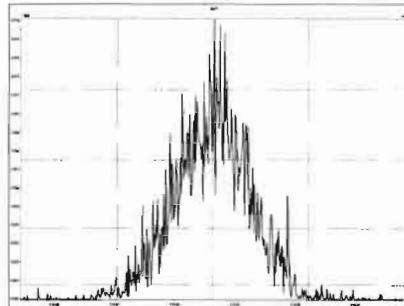
M 292.9824 R 13227



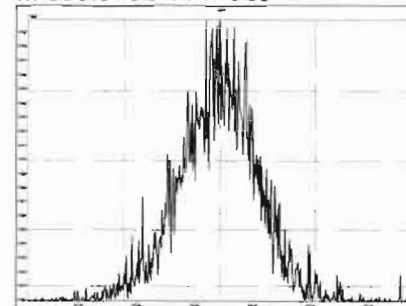
M 304.9824 R 15525



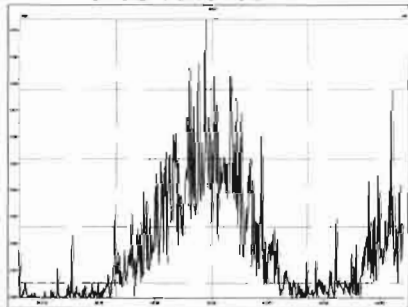
M 318.9792 R 12823



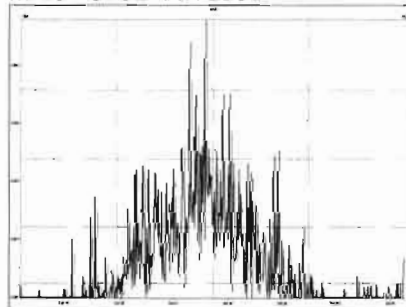
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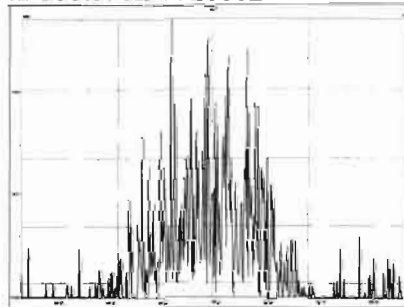
M 342.9792 R 13262



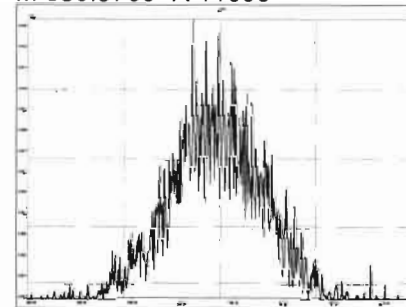
M 354.9792 R 18803



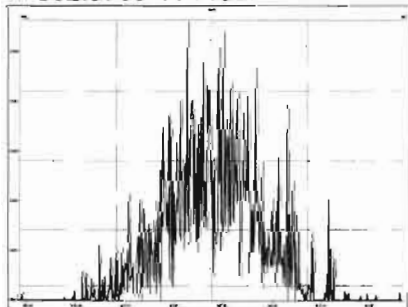
M 366.9792 R 25002



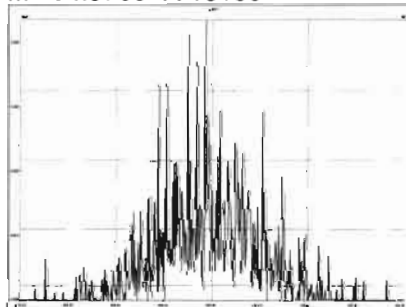
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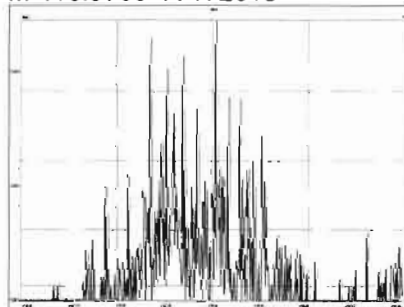
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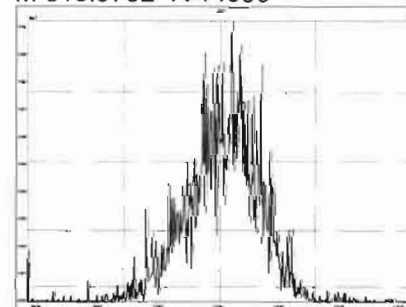
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M 416.9760 R 172618

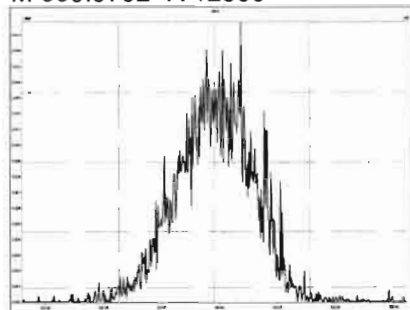


M 318.9792 R 14006

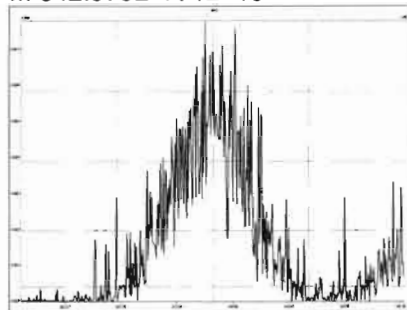


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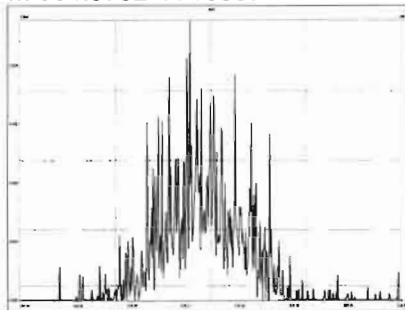
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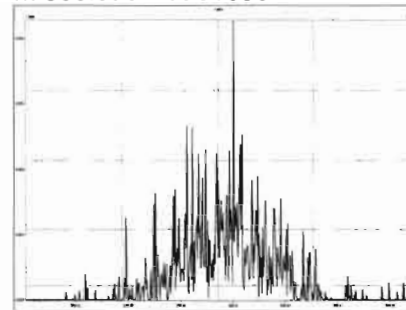
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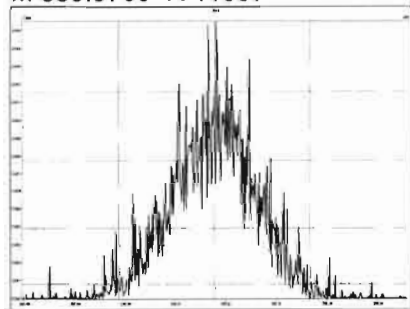
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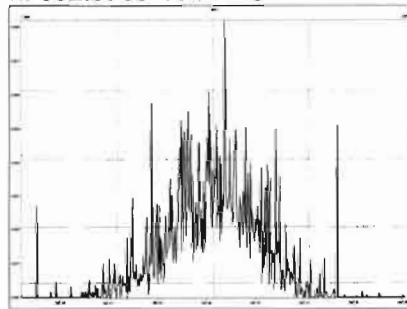
M 366.9792 R 31606



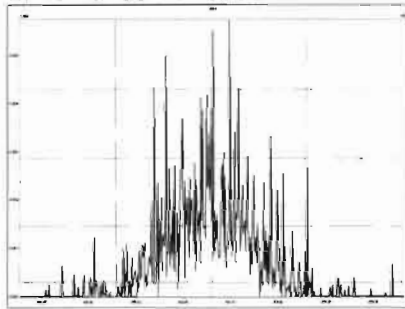
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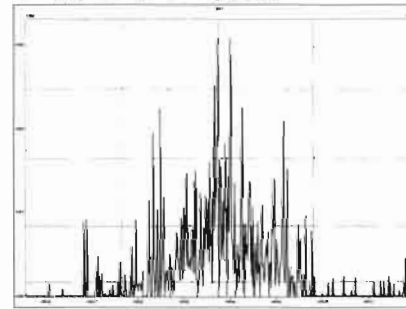
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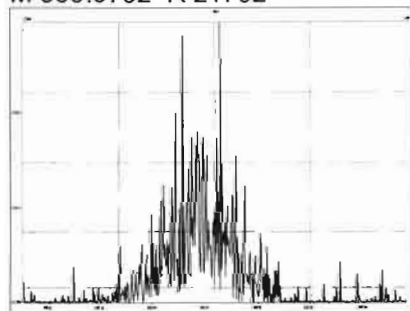
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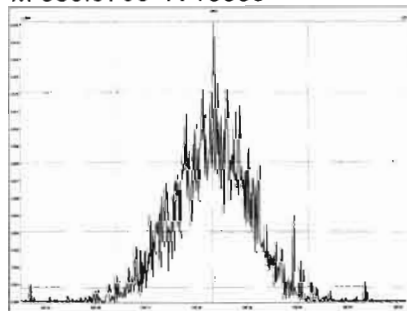
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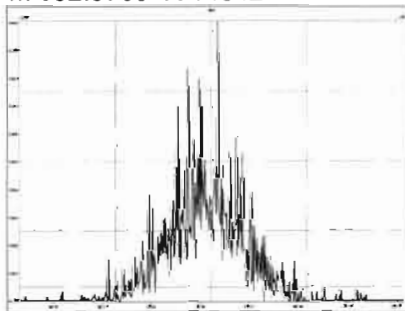
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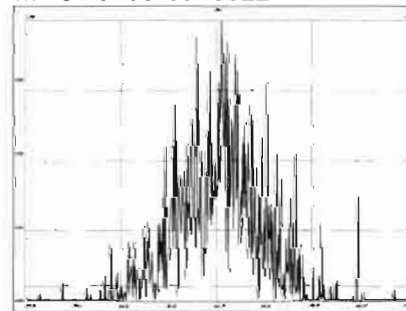
M 380.9760 R 13335



M 392.9760 R 14842

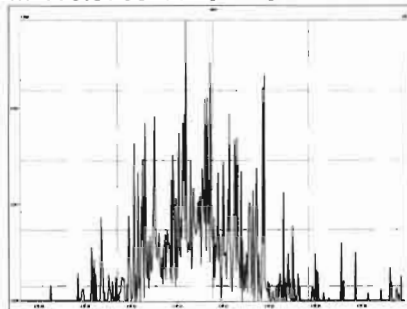


M 404.9760 R 20522

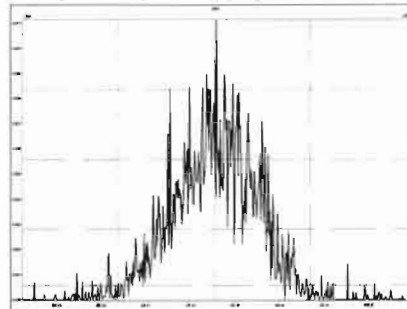


Printed: Tuesday, March 16, 2021 23:30:20 Pacific Daylight Time

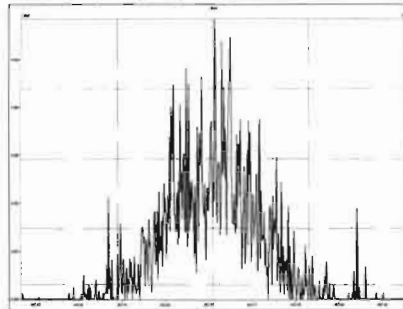
M 416.9760 R 137499



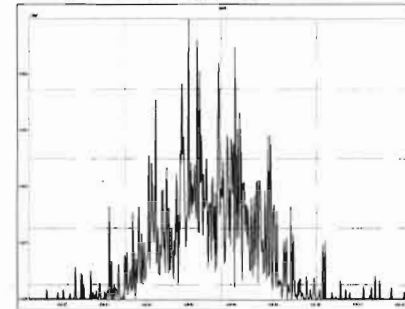
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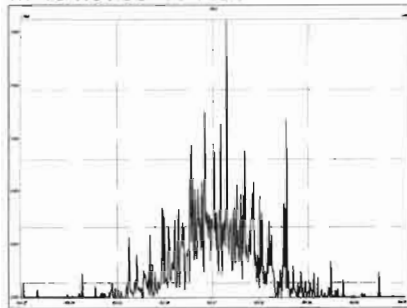
M 442.9728 R 15296



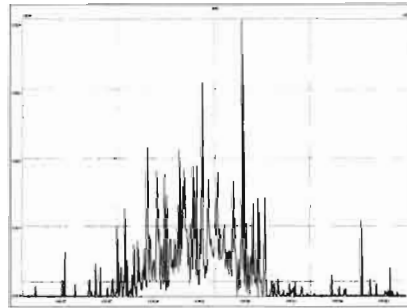
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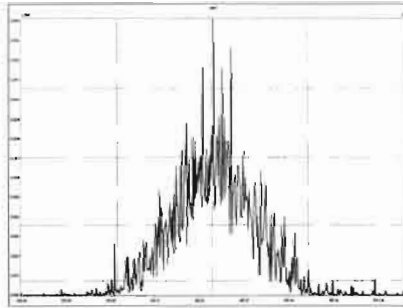
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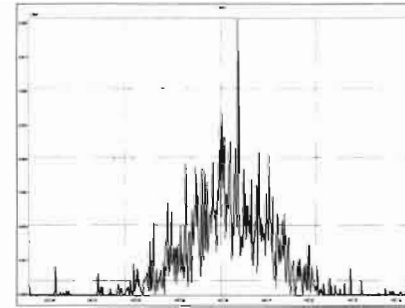
M 416.9760 R 30335



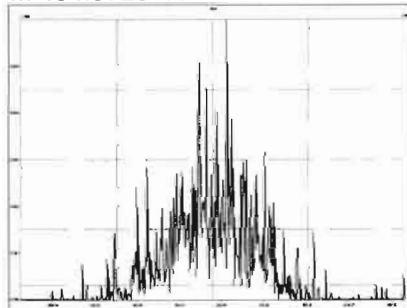
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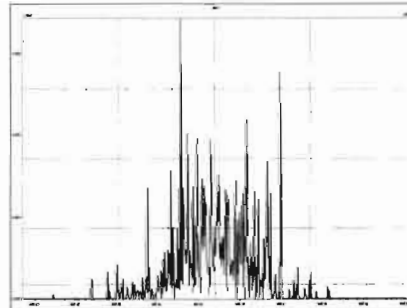
M 442.9728 R 13660



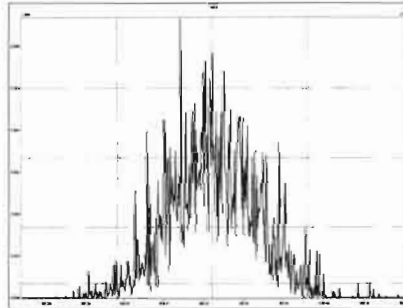
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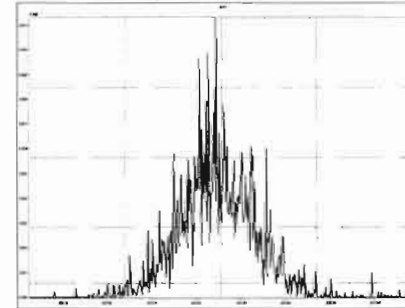
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M 480.9696 R 15725

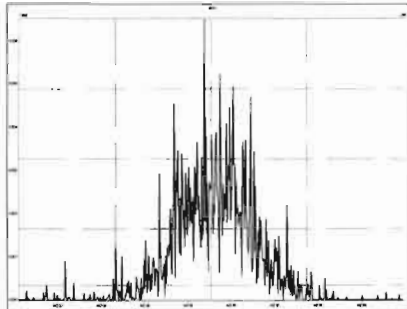


M 430.9728 R 16755

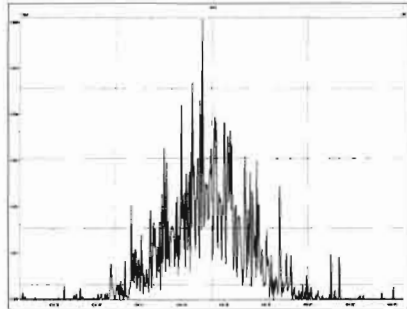


Printed: Tuesday, March 16, 2021 23:30:20 Pacific Daylight Time

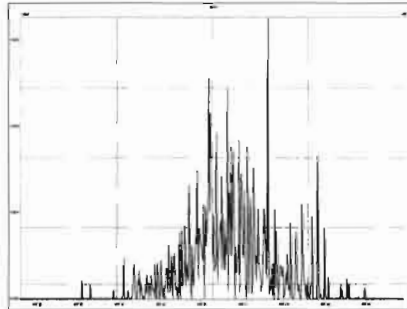
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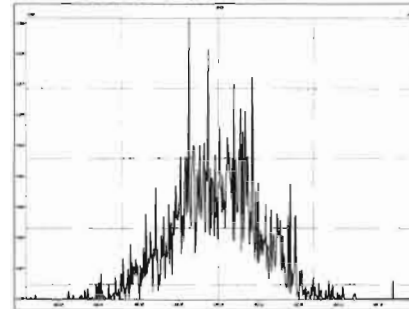
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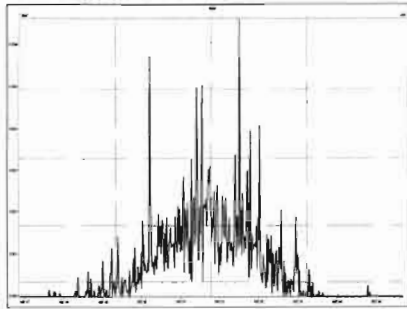
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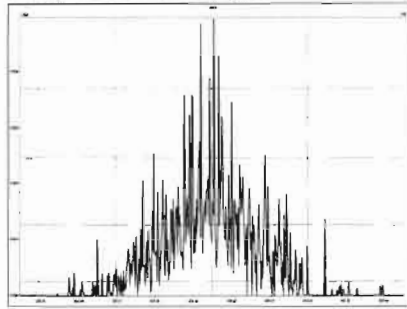
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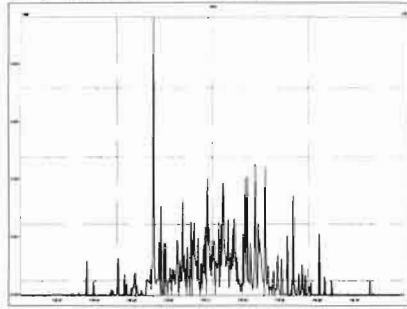
M 492.9696 R 14371



M 504.9696 R 20503



M 516.9697 R 156249



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

Last Altered: Friday, April 02, 2021 11:45:02 Pacific Daylight Time

Printed: Friday, April 02, 2021 11:45:48 Pacific Daylight Time

HN 04/02/21

12 4.5.2021

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

25-1057

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	9.31e5	9.45e5	1.25	NO	0.945	1.000	21.46	21.45	1.001	1.001	NO	52.1	104	0.00364	52.1
2	3 Alpha-BHC	2.40e5	2.94e5	2.11	NO	0.781	1.000	21.99	21.98	1.001	1.002	NO	52.4	105	0.0619	52.4
3	4 Lindane (gamma-BHC)	1.77e5	2.14e5	2.12	NO	0.790	1.000	25.04	25.03	1.001	1.001	NO	52.3	105	0.0984	52.3
4	5 Beta-BHC	1.52e5	1.54e5	2.13	NO	0.925	1.000	27.19	27.20	1.001	1.000	NO	53.1	106	0.108	53.1
5	6 Delta-BHC	1.72e5	1.89e5	2.15	NO	0.863	1.000	28.99	28.99	1.001	1.001	NO	53.0	106	0.0862	53.0
6	7 Heptachlor	9.91e4	9.04e4	1.27	NO	1.07	1.000	27.29	27.31	1.002	1.001	NO	51.3	103	0.121	51.3
7	9 Aldrin	2.05e5	1.81e5	1.65	NO	1.09	1.000	29.54	29.56	1.001	1.001	NO	52.1	104	0.0479	52.1
8	10 Oxychlorane	4.41e4	4.02e4	1.59	NO	1.08	1.000	32.26	32.27	1.001	1.001	NO	50.6	101	0.175	50.6
9	11 cis-Heptachlor Epoxide	5.79e4	5.12e4	1.64	NO	1.09	1.000	33.08	33.09	1.001	1.001	NO	51.8	104	0.135	51.8
10	12 trans-Heptachlor Epox...	1.52e4	5.12e4	1.52	NO	0.269	1.000	33.55	33.60	1.016	1.015	NO	55.4	111	0.550	55.4
11	13 trans-Chlordane (gam...	4.28e4	3.73e4	1.58	NO	1.13	1.000	34.03	34.02	1.000	1.001	NO	51.0	102	0.170	51.0
12	14 trans-Nonachlor	4.45e4	4.05e4	1.67	NO	1.04	1.000	34.23	34.23	1.000	1.001	NO	52.8	106	0.156	52.8
13	15 cis-Chlordane	4.77e4	4.05e4	1.71	NO	1.14	1.000	34.71	34.72	1.015	1.015	NO	51.8	104	0.142	51.8
14	16 Endosulfan I (alpha)	3.48e4	2.96e4	1.62	NO	1.12	1.000	34.82	34.81	1.000	1.001	NO	52.6	105	0.216	52.6
15	18 2,4'-DDE	1.18e6	1.12e6	1.53	NO	1.01	1.000	34.72	34.74	1.001	1.000	NO	52.0	104	0.0504	52.0
16	19 4,4'-DDE	8.41e5	7.92e5	1.54	NO	1.01	1.000	35.85	35.85	1.000	1.000	NO	52.6	105	0.0664	52.6
17	20 Dieldrin	9.83e4	9.57e4	1.62	NO	1.00	1.000	36.30	36.31	1.001	1.000	NO	51.3	103	0.111	51.3
18	21 Endrin	6.64e4	6.45e4	1.55	NO	0.977	1.000	37.71	37.72	1.000	1.000	NO	52.7	105	0.155	52.7
19	22 cis-Nonachlor	4.89e4	4.57e4	1.63	NO	1.01	1.000	38.03	38.05	1.001	1.000	NO	53.0	106	0.211	53.0
20	23 Endosulfan II (beta)	1.58e4	1.64e4	1.74	NO	1.01	1.000	38.75	38.76	1.000	1.000	NO	48.0	96.0	0.575	48.0
21	24 2,4'-DDD	6.35e5	7.82e5	1.51	NO	0.779	1.000	36.98	37.00	1.000	1.000	NO	52.1	104	0.149	52.1
22	25 2,4'-DDT	3.64e5	4.63e5	1.50	NO	0.751	1.000	38.14	38.14	1.000	1.000	NO	52.4	105	0.288	52.4
23	26 4,4'-DDD	5.72e5	6.50e5	1.51	NO	0.843	1.000	38.29	38.29	1.000	1.000	NO	52.2	104	0.162	52.2
24	27 4,4'-DDT	3.04e5	3.51e5	1.53	NO	0.841	1.000	39.36	39.36	1.000	1.000	NO	51.5	103	0.287	51.5
25	28 Endosulfan Sulfate	2.26e4	2.11e4	1.60	NO	1.05	1.000	40.50	40.53	1.001	1.000	NO	51.0	102	0.530	51.0
26	29 4,4'-Methoxychlor	4.24e5	4.24e6	5.89	NO	0.993	1.000	42.40	42.39	1.000	1.000	NO	50.4	101	0.0925	50.4
27	30 Mirex	2.49e5	2.41e5	1.54	NO	0.979	1.000	42.84	42.83	1.000	1.000	NO	52.6	105	0.107	52.6
28	31 Endrin Aldehyde	3.23e4	3.49e5	0.58	NO	0.972	1.000	39.92	39.92	1.000	1.000	NO	47.6	95.1	0.670	47.6
29	32 Endrin Ketone	2.93e4	3.61e5	0.63	NO	0.855	1.000	42.97	42.99	1.000	1.000	NO	47.5	95.0	0.629	47.5
30	34 13C6-Hexachlorobenz...	9.45e5	1.31e6	1.27	NO	0.664	1.000	21.45	21.44	0.873	0.873	NO	54.2	105	0.00596	
31	35 13C6-Alpha-BHC	2.94e5	1.31e6	0.76	NO	0.223	1.000	21.96	21.95	0.893	0.894	NO	50.2	100	0.156	

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

Last Altered: Friday, April 02, 2021 11:45:02 Pacific Daylight Time

Printed: Friday, April 02, 2021 11:45:48 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (gamma)	2.14e5	1.31e6	0.75	NO	0.168	1.000	25.02	25.02	1.018	1.018	NO	48.5	97.0	0.207	
33	37 13C6-Beta-BHC	1.54e5	1.31e6	0.77	NO	0.129	1.000	27.18	27.19	1.107	1.107	NO	45.6	91.1	0.270	
34	38 13C6-Delta-BHC	1.89e5	1.31e6	0.77	NO	0.151	1.000	28.97	28.97	1.179	1.179	NO	47.7	95.4	0.232	
35	39 13C10-Heptachlor	9.04e4	1.31e6	1.31	NO	0.0852	1.000	27.30	27.27	1.110	1.111	NO	40.4	80.8	0.0792	
36	40 13C12-Aldrin	1.81e5	1.31e6	1.69	NO	0.135	1.000	29.53	29.51	1.201	1.202	NO	51.0	102	0.106	
37	41 13C10-Oxychlorane	4.02e4	1.31e6	1.76	NO	0.0343	1.000	32.26	32.24	1.312	1.313	NO	44.7	89.4	0.416	
38	42 13C10-cis-Heptachlor ...	5.12e4	1.31e6	1.75	NO	0.0445	1.000	33.07	33.06	1.346	1.346	NO	43.9	87.8	0.321	
39	43 13C10-trans-Chlordan...	3.73e4	1.31e6	1.68	NO	0.0305	1.000	34.01	34.01	1.384	1.385	NO	46.6	93.1	0.467	
40	44 13C10-trans-Nonachlor	4.05e4	1.31e6	1.62	NO	0.0356	1.000	34.22	34.21	1.393	1.393	NO	43.4	86.8	0.401	
41	45 13C9-Endosulfan I (al...	2.96e4	1.31e6	1.69	NO	0.0263	1.000	34.80	34.79	1.416	1.417	NO	42.9	85.7	0.542	
42	46 13C12-2,4'-DDE	1.12e6	1.31e6	1.58	NO	0.875	1.000	34.73	34.71	0.996	0.996	NO	49.0	97.9	0.153	
43	47 13C12-4,4'-DDE	7.92e5	1.31e6	1.59	NO	0.637	1.000	35.83	35.83	1.028	1.028	NO	47.4	94.8	0.210	
44	48 13C12-Dieldrin	9.57e4	1.31e6	1.56	NO	0.0741	1.000	36.28	36.28	1.041	1.041	NO	49.3	98.5	0.299	
45	49 13C12-Endrin	6.45e4	1.31e6	1.62	NO	0.0648	1.000	37.71	37.71	1.082	1.082	NO	38.0	75.9	0.342	
46	50 13C10-cis-Nonachlor	4.57e4	1.31e6	1.69	NO	0.0408	1.000	38.03	38.02	1.091	1.091	NO	42.7	85.4	0.544	
47	51 13C9-Endosulfan II	1.64e4	1.31e6	1.55	NO	0.0130	1.000	38.75	38.75	1.112	1.112	NO	47.9	95.8	1.70	
48	52 13C12-2,4'-DDD	7.82e5	1.31e6	1.54	NO	0.687	1.000	36.99	36.98	1.505	1.506	NO	43.4	86.9	0.205	
49	53 13C12-2,4'-DDT	4.63e5	1.31e6	1.77	NO	0.383	1.000	38.13	38.12	1.552	1.552	NO	46.1	92.3	0.367	
50	54 13C12-4,4'-DDD	6.50e5	1.31e6	1.56	NO	0.592	1.000	38.26	38.27	1.558	1.558	NO	41.8	83.7	0.237	
51	55 13C12-4,4'-DDT	3.51e5	1.31e6	1.59	NO	0.281	1.000	39.35	39.34	1.601	1.602	NO	47.6	95.2	0.499	
52	56 13C9-Endosulfan Sulf...	2.11e4	1.31e6	1.58	NO	0.0163	1.000	40.51	40.50	1.162	1.162	NO	49.2	98.3	1.53	
53	57 13C12-Methoxychlor	4.24e6	1.31e6	19.66	NO	0.297	1.000	42.38	42.39	1.216	1.216	NO	543	109	0.685	
54	58 13C10-Mirex	2.41e5	1.31e6	1.56	NO	0.177	1.000	42.82	42.82	1.228	1.229	NO	51.9	104	0.156	
55	59 13C12-Endrin Aldehyde	3.49e5	1.31e6	0.45	NO	0.0292	1.000	39.89	39.90	1.145	1.145	NO	456	91.2	1.64	
56	60 13C12-Endrin Ketone	3.61e5	1.31e6	0.47	NO	0.0271	1.000	42.96	42.97	1.233	1.232	NO	507	101	1.77	
57	62 13C-PCB-15	1.31e6	1.31e6	1.57	NO	1.00	1.000	24.55	24.57	1.000	1.000	NO	50.0	100	0.0322	

97.0%



Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 11:58:55 Pacific Daylight Time

Printed: Wednesday, March 31, 2021 11:59:10 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

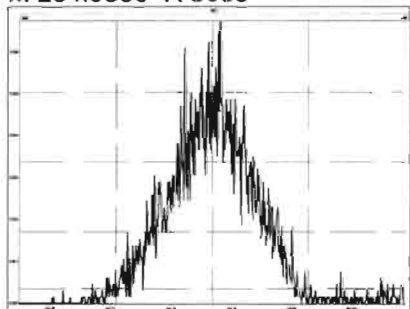
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210330R1_1	ST210330R1_1 1699 CS3 21C0402	30-Mar-21	09:57:53
2	210330R1_2	GC210330R1_1 1699 GC BREAK	30-Mar-21	10:47:44
3	210330R1_3	B1A0125-BS1 OPR 1	30-Mar-21	11:39:35
4	210330R1_4	B1C0090-BS2 OPR 1	30-Mar-21	12:40:39
5	210330R1_5	B1B0102-BS1 OPR 1	30-Mar-21	13:30:00
6	210330R1_6	B1C0128-BS1 OPR 1	30-Mar-21	14:21:02
7	210330R1_7	SOLVENT BLANK	30-Mar-21	15:11:53
8	210330R1_8	B1C0128-BLK1 Method Blank 1	30-Mar-21	15:56:38
9	210330R1_9	2103100-01 RAB-FB-2103091636 1.00489	30-Mar-21	16:52:32
10	210330R1_10	2103100-02 RAB-RB-2103091709 1.00824	30-Mar-21	17:39:12
11	210330R1_11	2103085-01 WPD-30024 1.02846	30-Mar-21	18:25:13
12	210330R1_12	2103086-01 WPD-30091 1.02307	30-Mar-21	19:13:01
13	210330R1_13	2103087-01 WPD-29981 1.00673	30-Mar-21	20:00:52
14	210330R1_14	2103110-01 NSMBCW-RW1-031021 1.01911	30-Mar-21	20:48:45

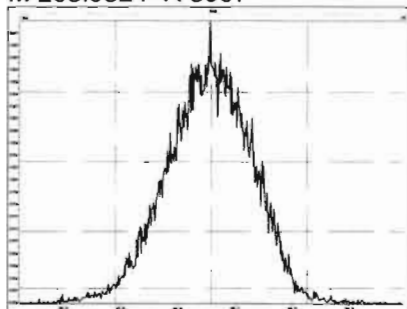
File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Tuesday, March 30, 2021 09:52:19 Pacific Daylight Time

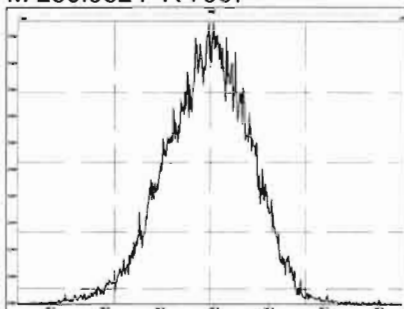
M 254.9856 R 8065



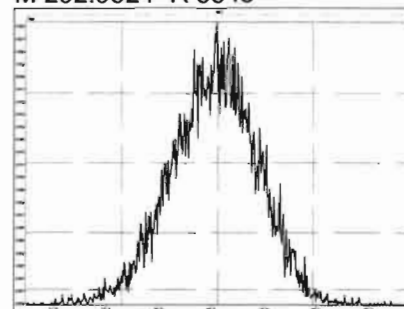
M 268.9824 R 8367



M 280.9824 R 7967

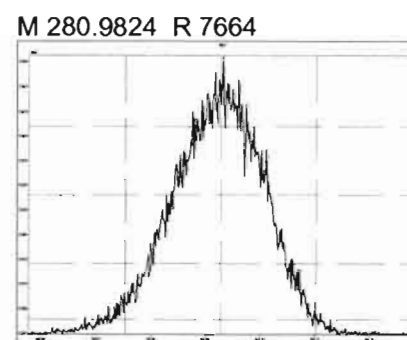
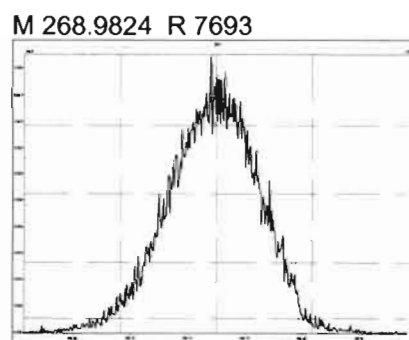
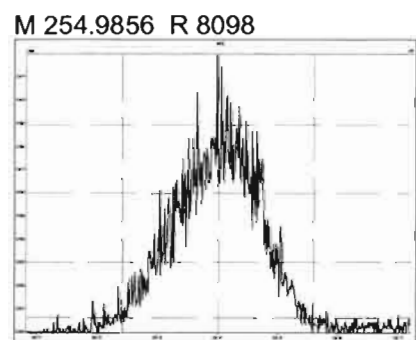
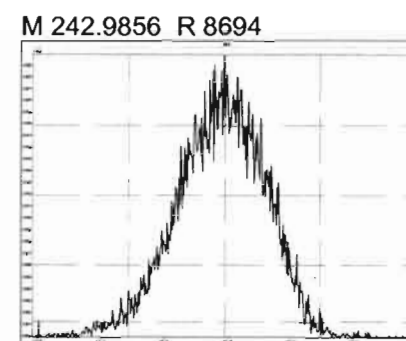
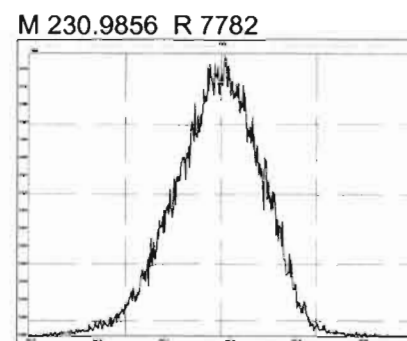
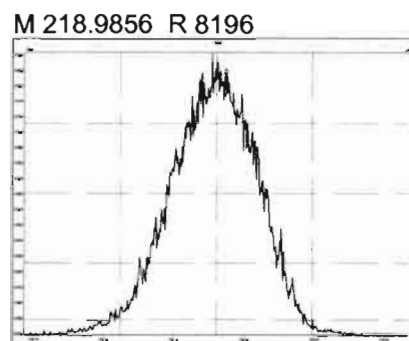
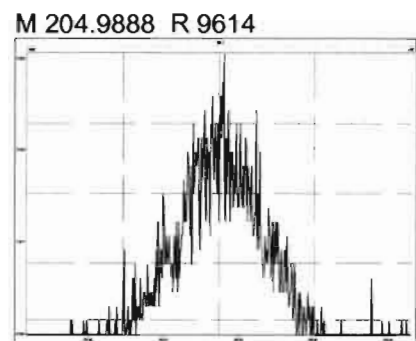


M 292.9824 R 8849



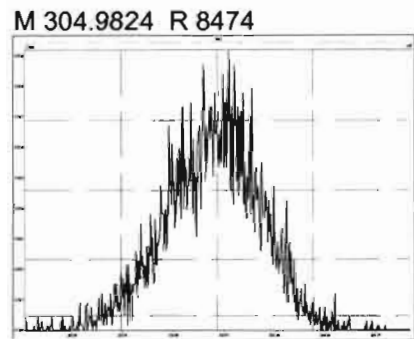
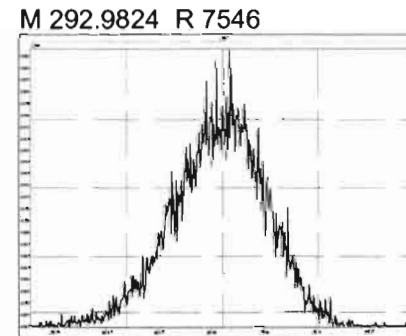
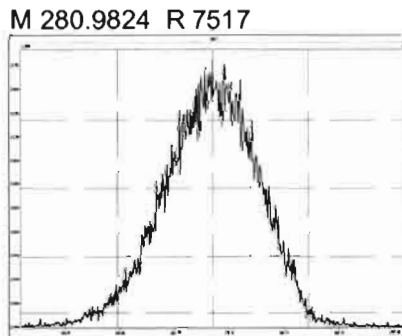
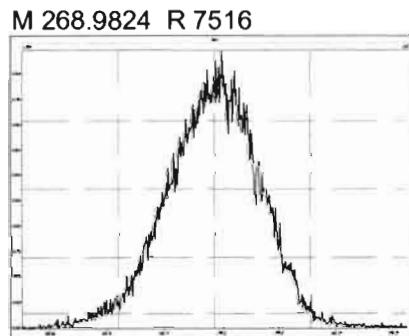
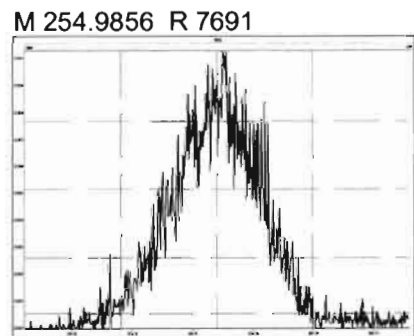
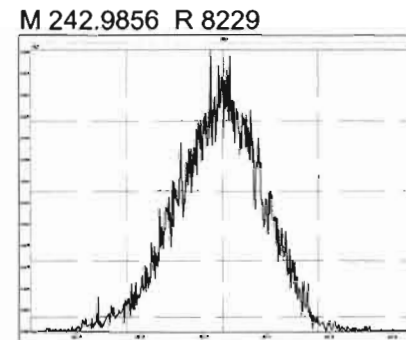
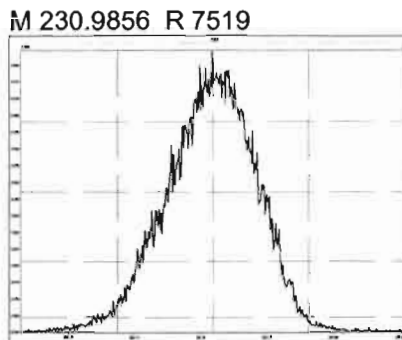
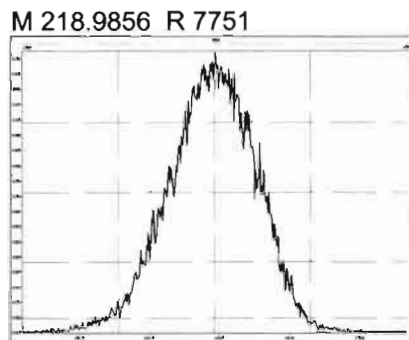
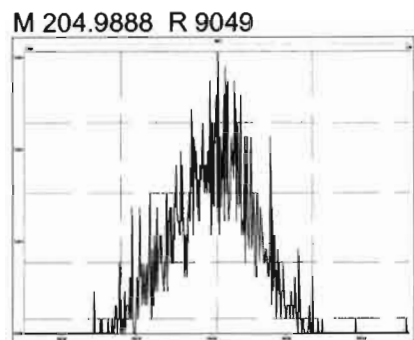
File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Tuesday, March 30, 2021 09:53:01 Pacific Daylight Time



File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

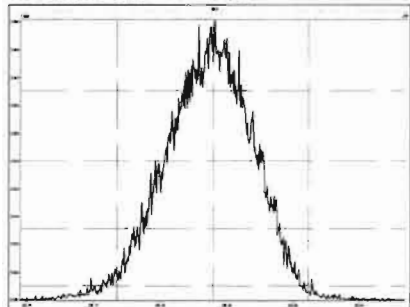
Printed: Tuesday, March 30, 2021 09:54:05 Pacific Daylight Time



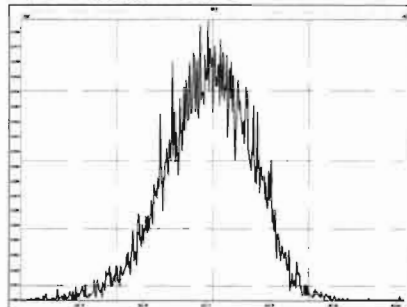
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Printed: Tuesday, March 30, 2021 09:55:21 Pacific Daylight Time

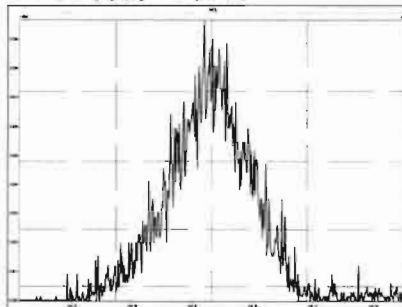
M 230.9856 R 7843



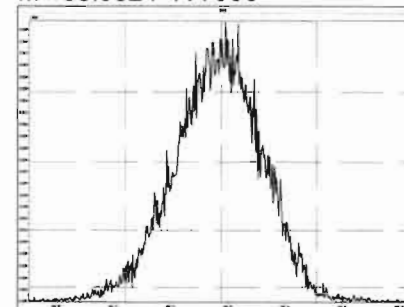
M 242.9856 R 8369



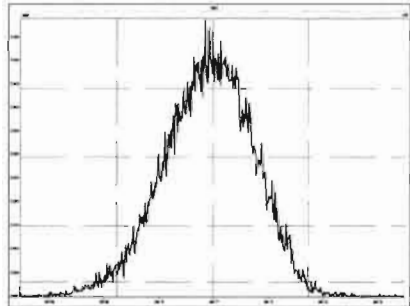
M 254.9856 R 8510



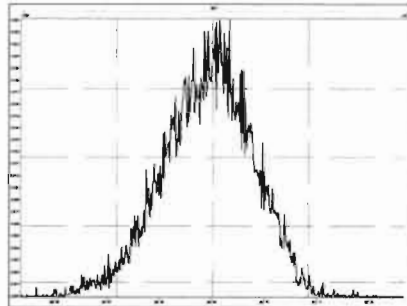
M 268.9824 R 7906



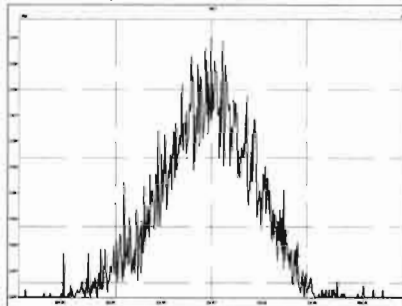
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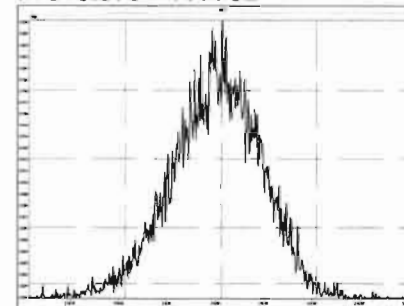
M 292.9824 R 7842



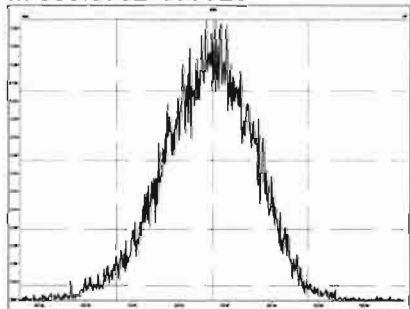
M 304.9824 R 7999



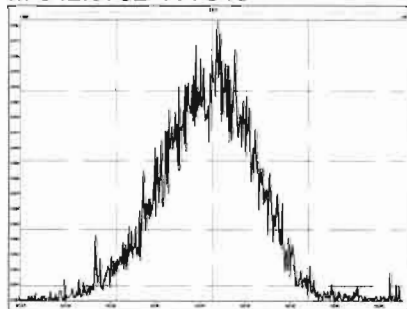
M 318.9792 R 7752



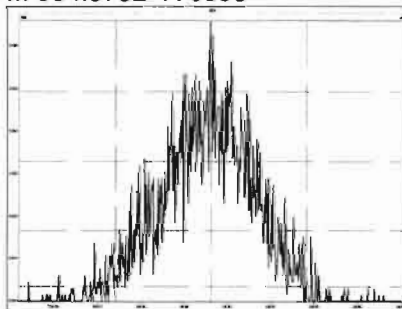
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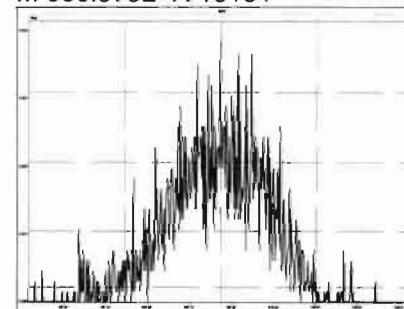
M 342.9792 R 7546



M 354.9792 R 8583



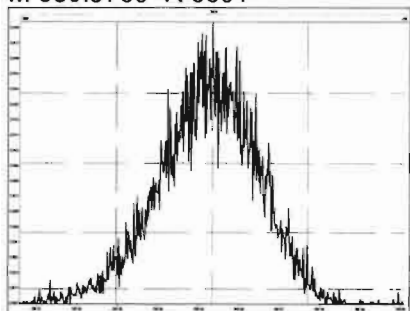
M 366.9792 R 10101



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Printed: Tuesday, March 30, 2021 09:55:21 Pacific Daylight Time

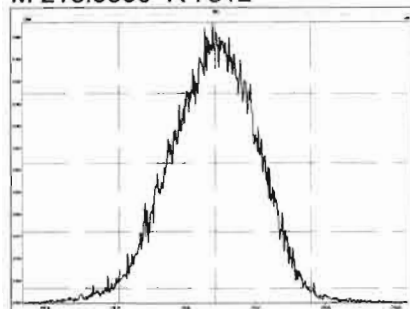
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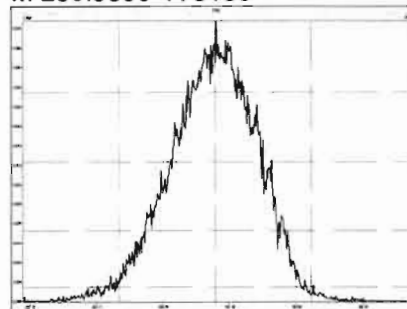
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Printed: Tuesday, March 30, 2021 09:56:38 Pacific Daylight Time

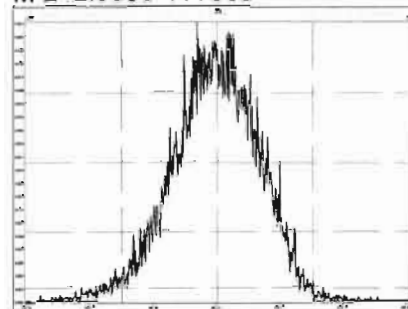
M 218.9856 R 7812



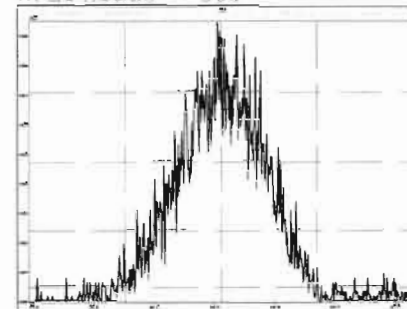
M 230.9856 R 8163



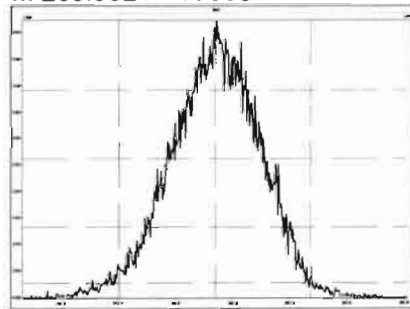
M 242.9856 R 7969



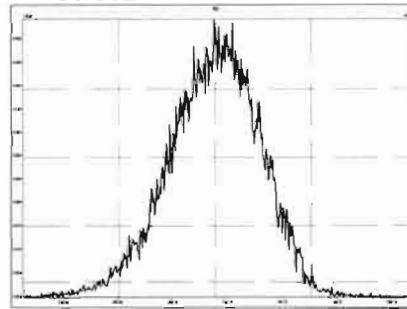
M 254.9856 R 8064



M 268.9824 R 7903



M 280.9824 R 7841



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_GCBREAK.qld

Last Altered: Friday, April 02, 2021 10:08:12 Pacific Daylight Time
Printed: Friday, April 02, 2021 10:09:03 Pacific Daylight Time

~~HN03~~
HN04/02/21

Method: U:\VG12.PRO\MethDB\1699_GC-break.mdb 13 Jan 2021 17:29:44
Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

1245.201

Name: 210330R1_2, Date: 30-Mar-2021, Time: 10:47:44, ID: GC210330R1_1 1699 GC BREAK, Description: GC BREAK

#	Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde	1.44e3	0.58	NO	39.91
2	2 Endrin Ketone	1.09e3	0.76	NO	42.97
3	3 Endrin	4.49e4	1.60	NO	37.71
4	4 4,4'-DDE			NO	
5	5 4,4'-DDD	1.02e4	1.43	NO	38.27
6	6 4,4'-DDT	4.63e5	1.54	NO	39.34

$$\frac{EA + EK}{E} \times 100 = 5.63\%$$

$$\frac{DDE + DDD}{DDT} \times 100 = 2.20\%$$

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_GCBREAK.qld

Last Altered: Friday, April 02, 2021 10:08:12 Pacific Daylight Time
Printed: Friday, April 02, 2021 10:09:03 Pacific Daylight Time

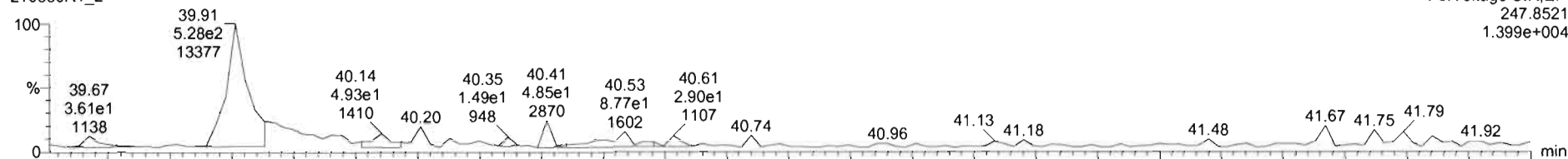
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Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

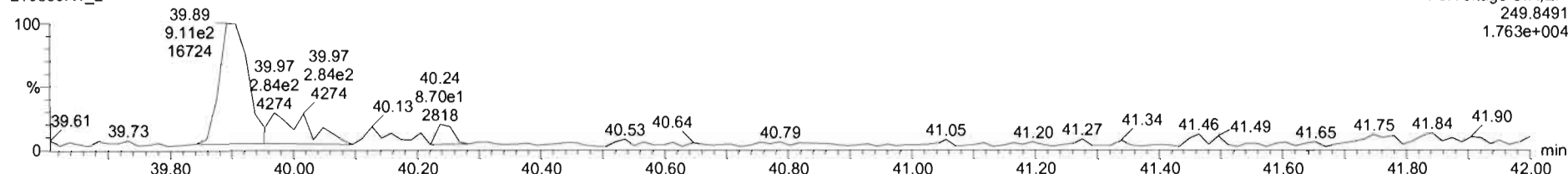
Name: 210330R1_2, Date: 30-Mar-2021, Time: 10:47:44, ID: GC210330R1_1 1699 GC BREAK, Description: GC BREAK

Endrin Aldehyde

210330R1_2

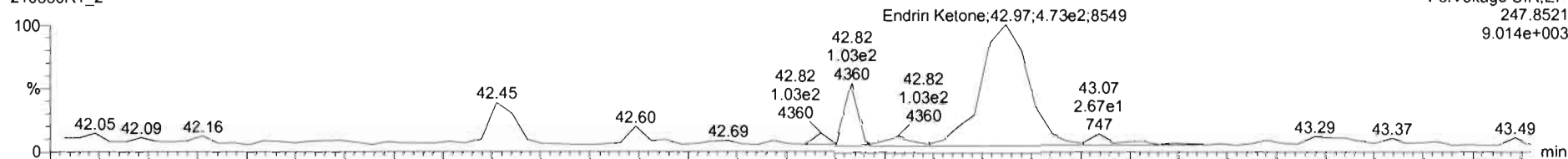


210330R1_2

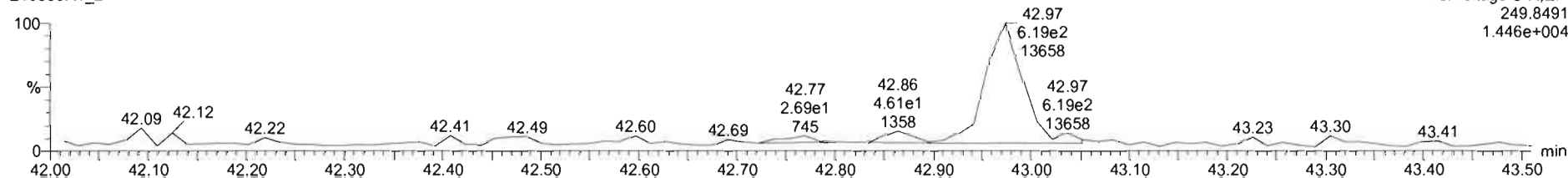


Endrin Ketone

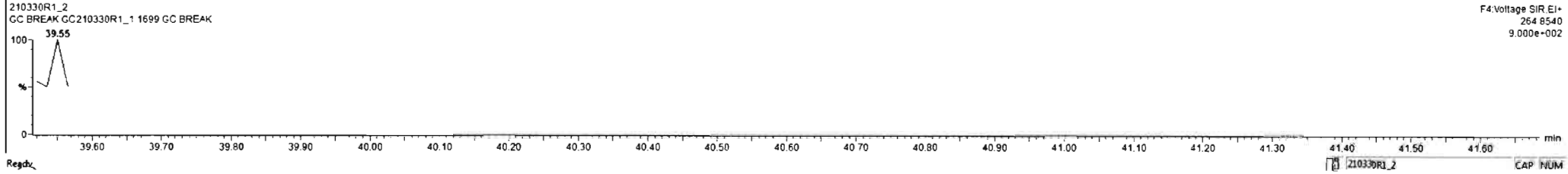
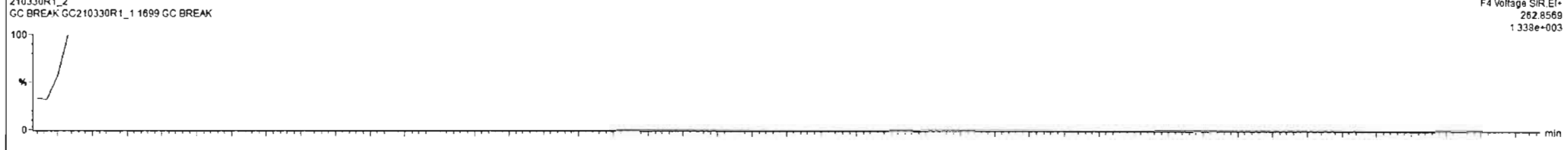
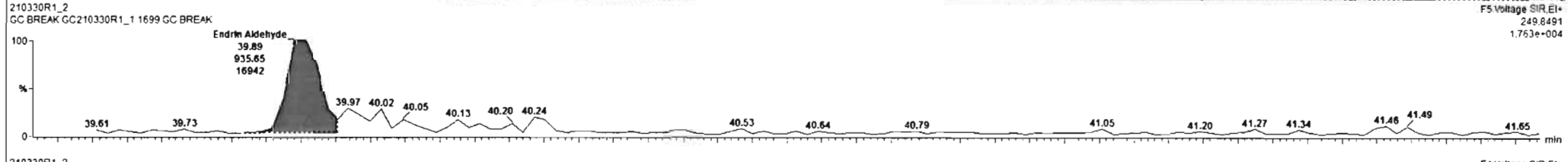
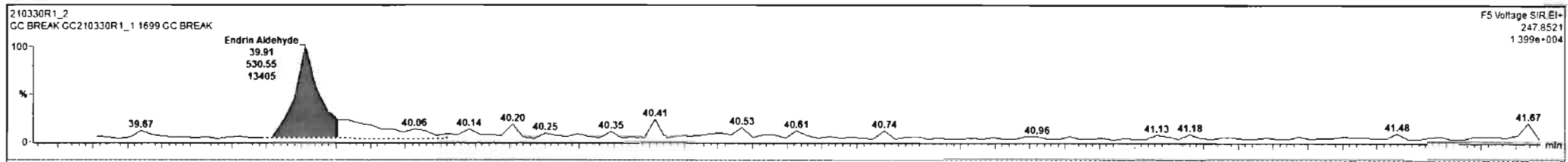
210330R1_2



210330R1_2

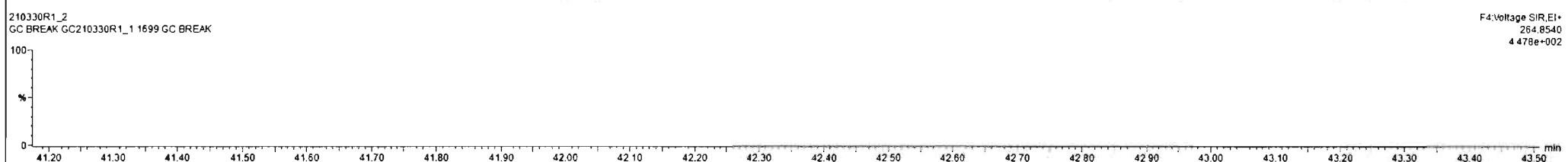
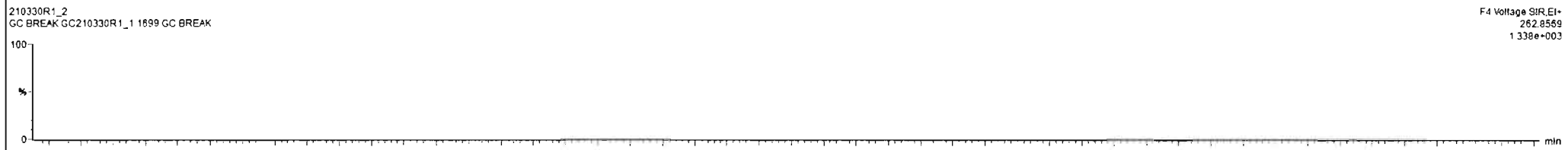
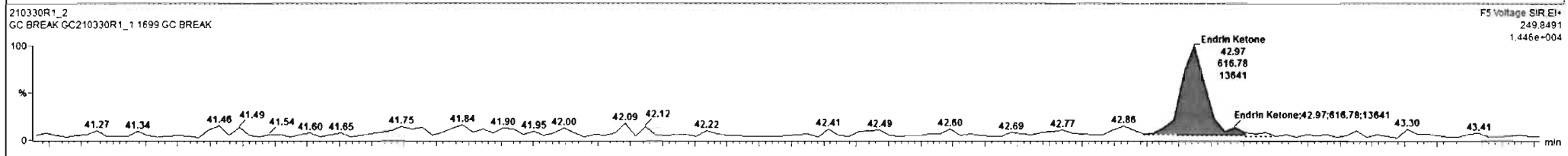
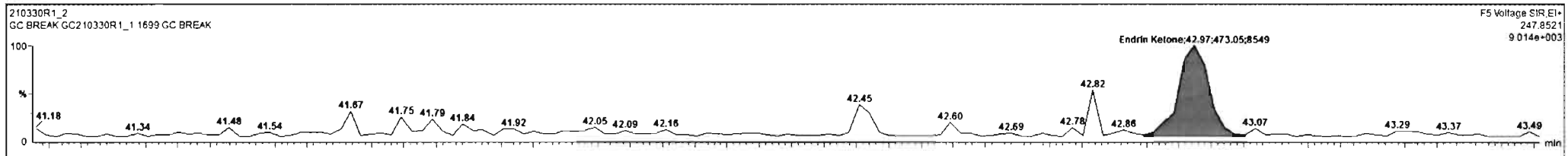


Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1 Endrin Aldehyde	1.47e3	0.57	NO		1.000	39.91	0.000				
2 Endrin Ketone	1.12e3	0.73	NO		1.000	42.97	0.000				
3 Endrin	4.49e4	1.60	NO		1.000	37.71	0.000				
4 4'-DDE	7.14e2		NO		1.000	35.82	0.000				
5 4'-DDD	1.52e4	1.60	NO		1.000	38.27	0.000				
6 4'-DDT	4.63e5	1.54	NO		1.000	39.34	0.000				
7 PFK4					1.000						
8 DPK4											



210330R1_2 GC210330R1_1 1699 GC BREAK - GC BREAK

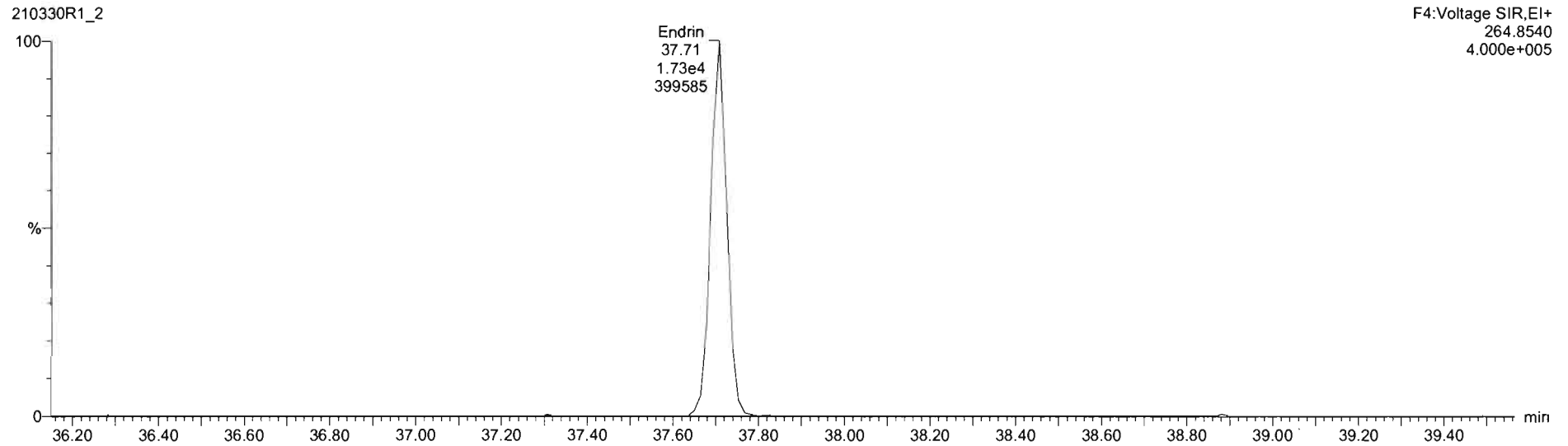
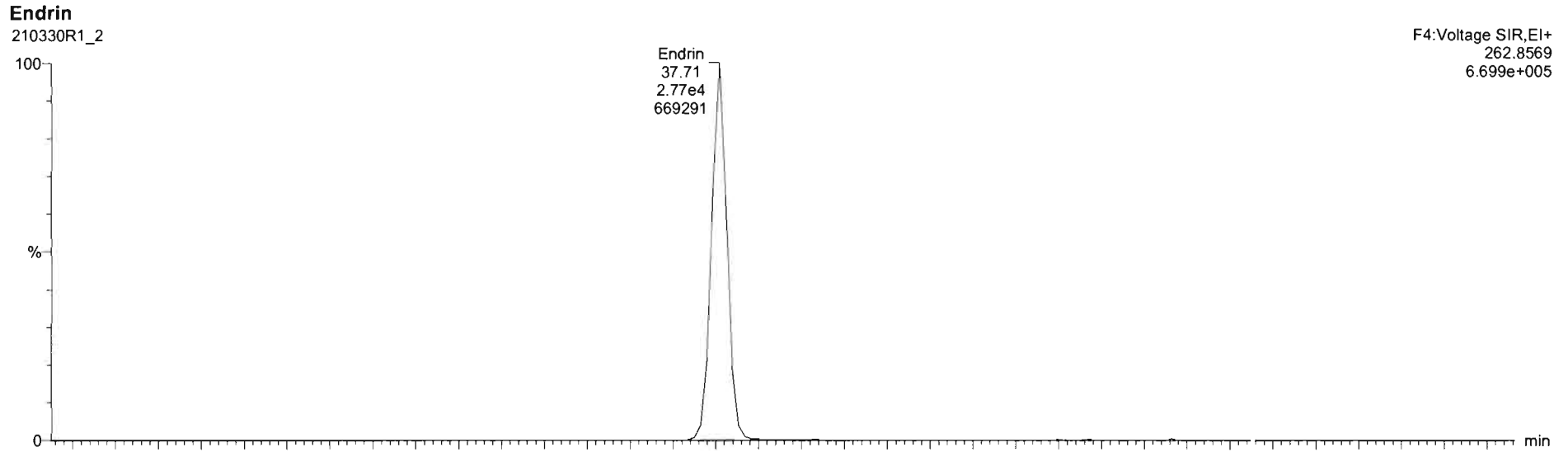
#	Name	Resp	RA	dy	RRF	wtAvs	RET	RRT	Conc	%Rec	DL	EMPC
1	Endrin Aldehyde	1.47e3	0.57	NO		1.000	39.91	0.000				
2	Endrin Ketone	1.09e3	0.77	NO		1.000	42.97	0.000				
3	Endrin	4.49e4	1.60	NO		1.000	37.71	0.000				
4	4,4'-DDE	7.14e2		NO		1.000	35.82	0.000				
5	4,4'-DDD	1.52e4	1.60	NO		1.000	38.27	0.000				
6	4,4'-DDT	4.83e5	1.54	NO		1.000	39.34	0.000				
7	PFK4					1.000						



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_GCBREAK.qld

Last Altered: Friday, April 02, 2021 10:08:12 Pacific Daylight Time
Printed: Friday, April 02, 2021 10:09:03 Pacific Daylight Time

Name: 210330R1_2, Date: 30-Mar-2021, Time: 10:47:44, ID: GC210330R1_1 1699 GC BREAK, Description: GC BREAK



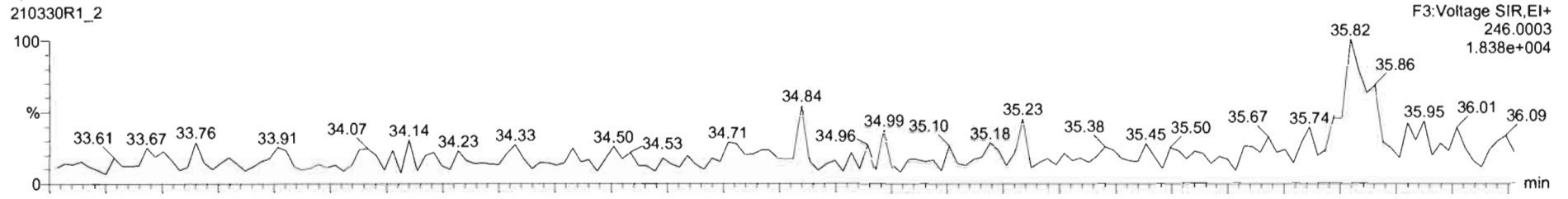
Dataset: U:\VG12.PRO\Results\210330R1\210330R1_GCBREAK.qld

Last Altered: Friday, April 02, 2021 10:08:12 Pacific Daylight Time
Printed: Friday, April 02, 2021 10:09:03 Pacific Daylight Time

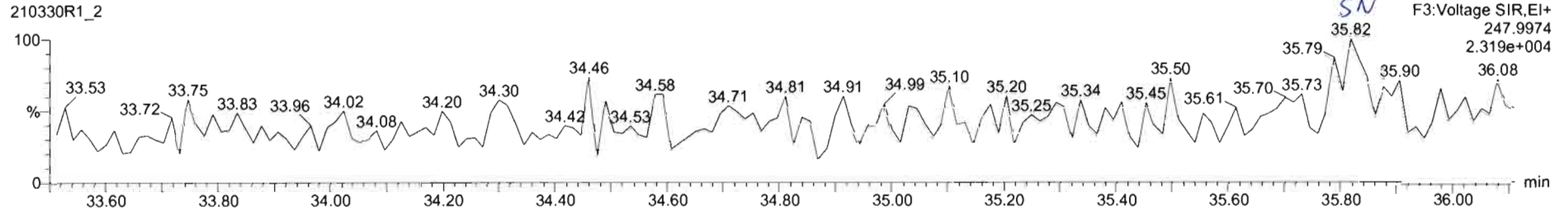
Name: 210330R1_2, Date: 30-Mar-2021, Time: 10:47:44, ID: GC210330R1_1 1699 GC BREAK, Description: GC BREAK

4,4'-DDE

210330R1_2

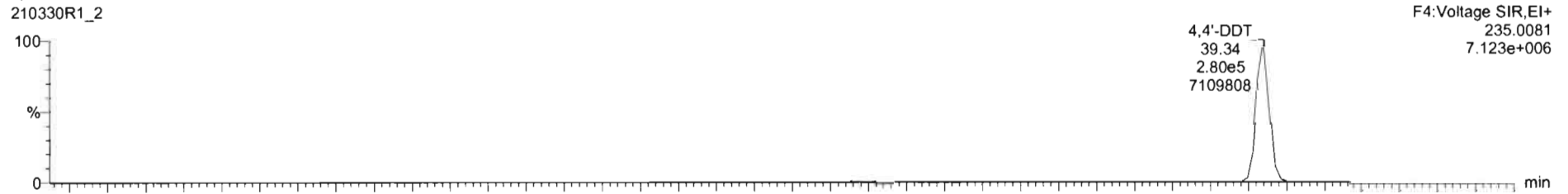


210330R1_2

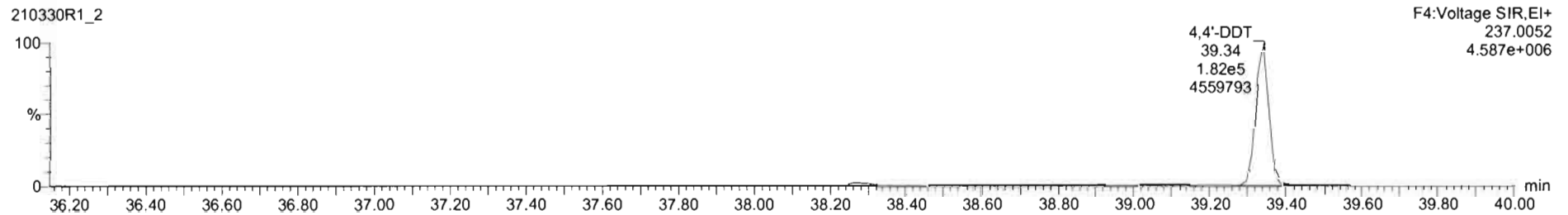


4,4'-DDD

210330R1_2



210330R1_2



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_GCBREAK.qld

Last Altered: Friday, April 02, 2021 10:08:12 Pacific Daylight Time

Printed: Friday, April 02, 2021 10:09:03 Pacific Daylight Time

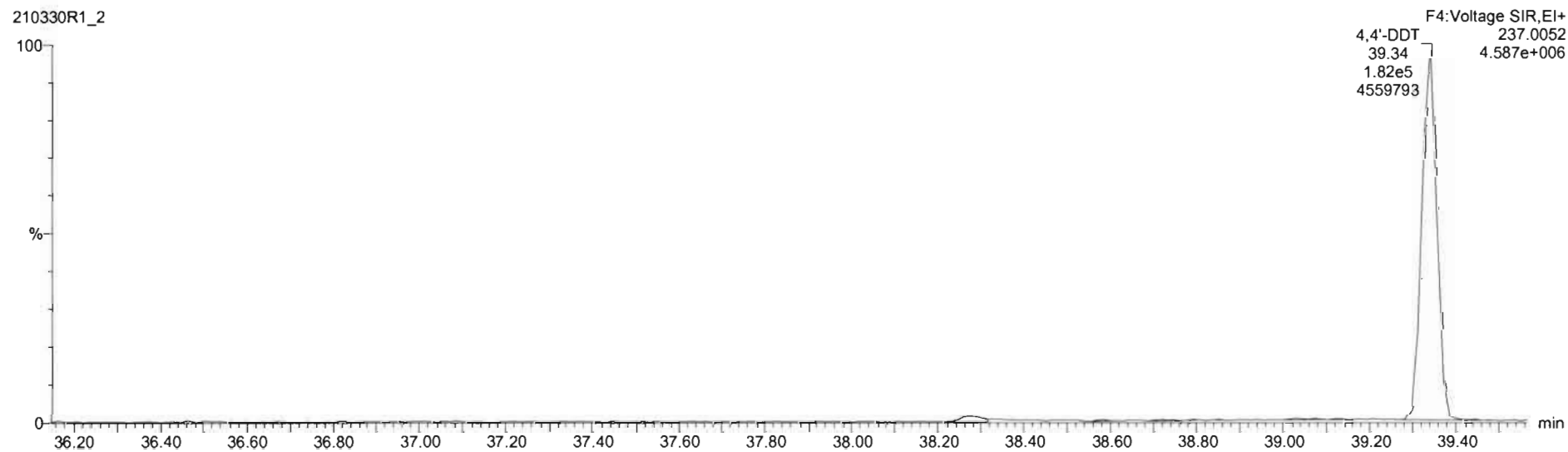
Name: 210330R1_2, Date: 30-Mar-2021, Time: 10:47:44, ID: GC210330R1_1 1699 GC BREAK, Description: GC BREAK

4,4'-DDT

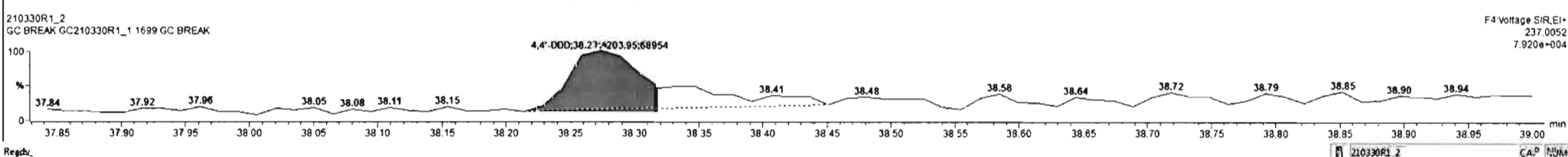
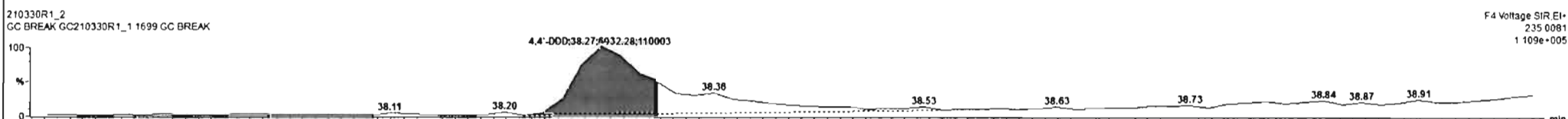
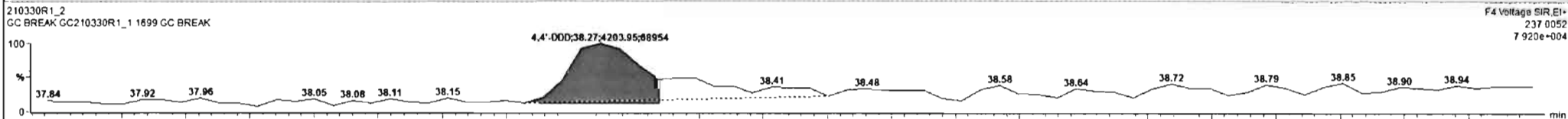
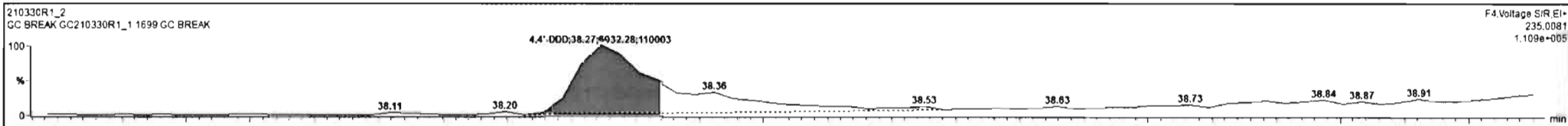
210330R1_2



210330R1_2



#	Name	Resp	RA	n/y	RRF	wt/wt	RT	RRT	Conc	%Rec	DL	EMPC
1	Endrin Aldehyde	1.69e3	0.62	YES		1.000	39.91	0.000				
2	Endrin Ketone	1.12e3	0.73	NO		1.000	42.97	0.000				
3	Endrin	4.49e4	1.60	NO		1.000	37.71	0.000				
4	4,4'-DDE					1.000						
5	4,4'-DDD	1.02e4	1.43	NO		1.000	38.27	0.000				
6	4,4'-DDT	4.63e5	1.54	NO		1.000	39.34	0.000				
7	PFK4					1.000						
8	PFK5											



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

Last Altered: Thursday, April 01, 2021 10:01:09 Pacific Daylight Time

Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

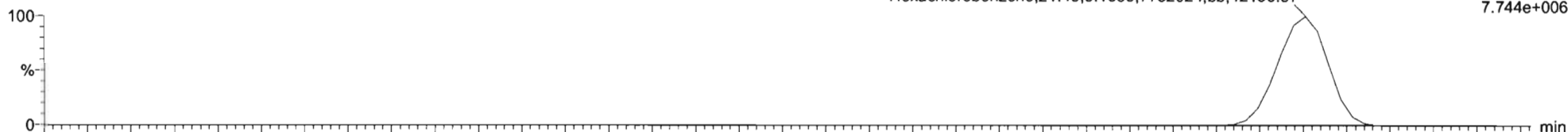
Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

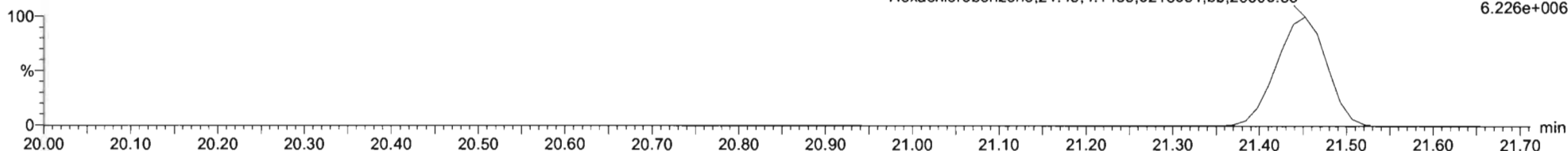
Hexachlorobenzene

210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402



F1:Voltage SIR,EI+
283.8102
7.744e+006

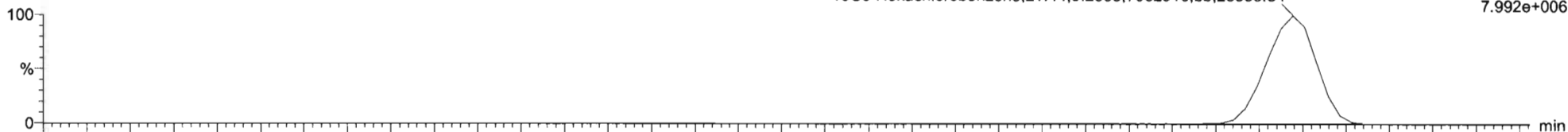
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402



F1:Voltage SIR,EI+
285.8072
6.226e+006

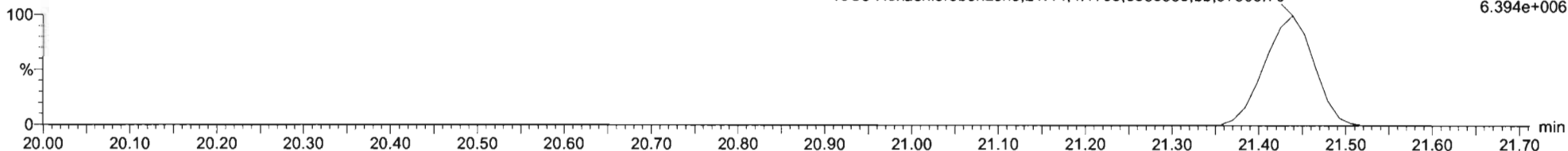
13C6-Hexachlorobenzene

210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402



F1:Voltage SIR,EI+
289.8303
7.992e+006

210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402



F1:Voltage SIR,EI+
291.8273
6.394e+006

Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

Last Altered: Thursday, April 01, 2021 10:01:09 Pacific Daylight Time

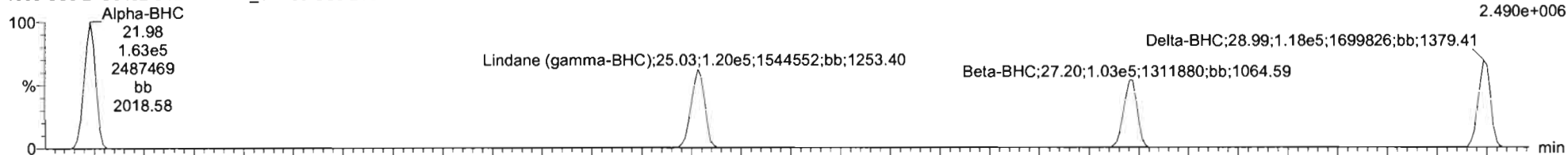
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

BHC Totals

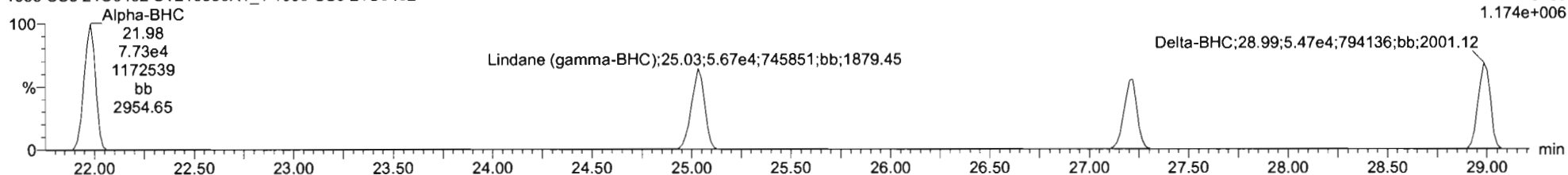
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F2:Voltage SIR,EI+
218.9116
2.490e+006



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

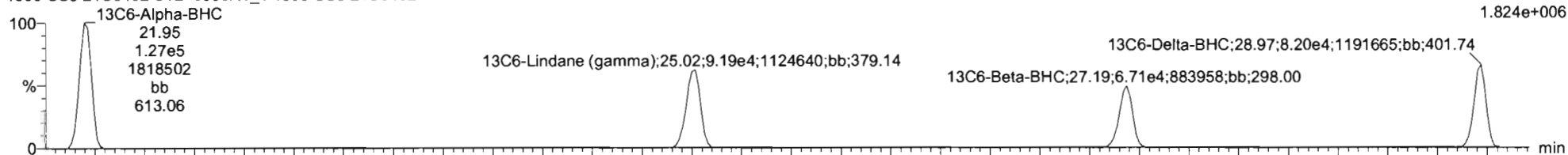
F2:Voltage SIR,EI+
220.9086
1.174e+006



BHC-isotopes

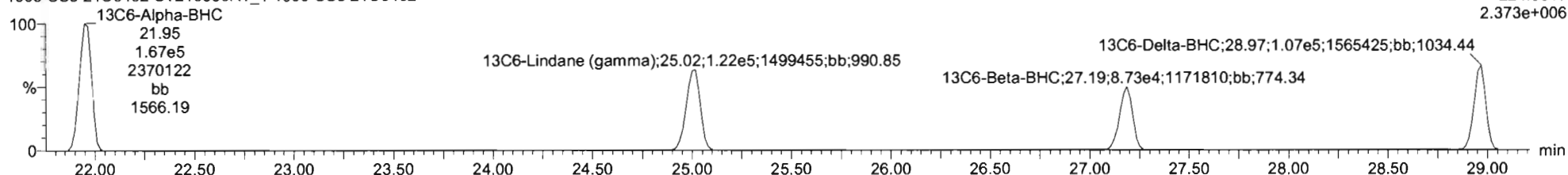
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F2:Voltage SIR,EI+
222.9346
1.824e+006



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F2:Voltage SIR,EI+
224.9317
2.373e+006

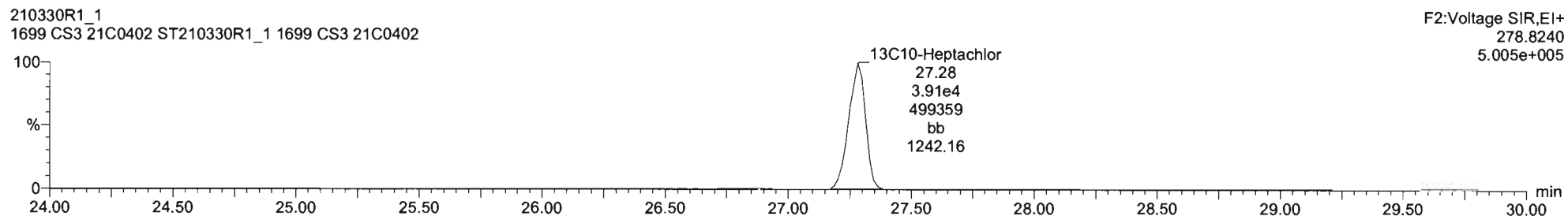
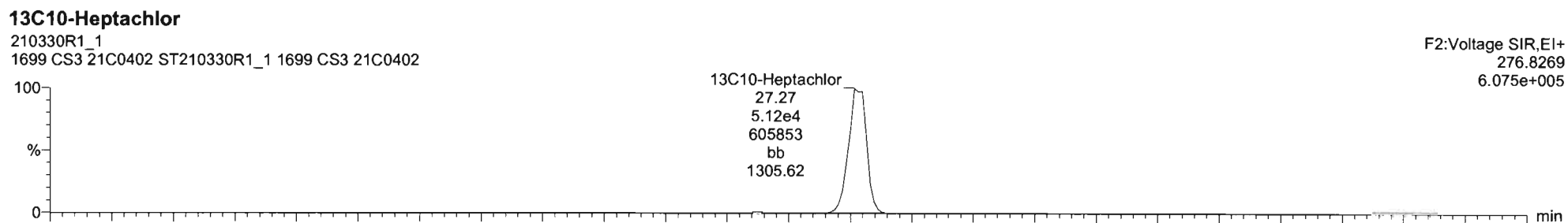
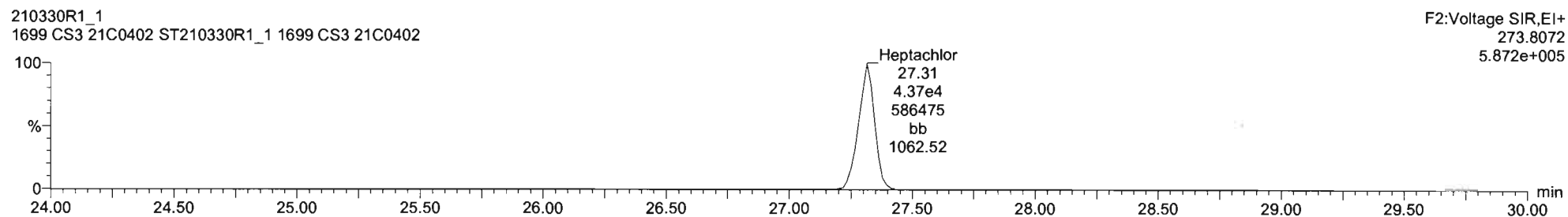
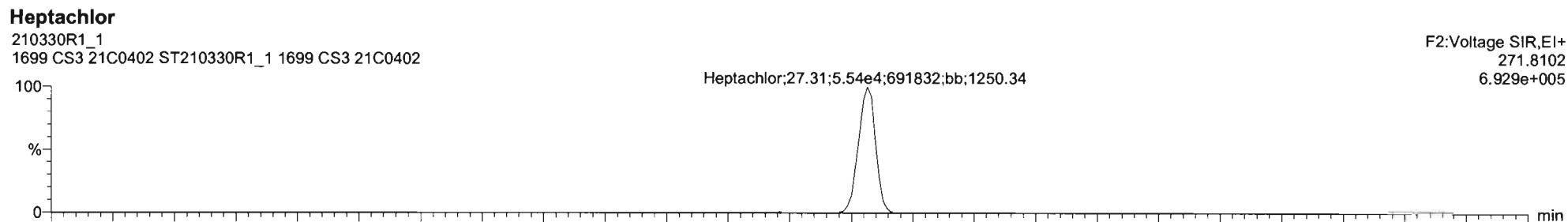


Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

Last Altered: Thursday, April 01, 2021 10:01:09 Pacific Daylight Time

Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

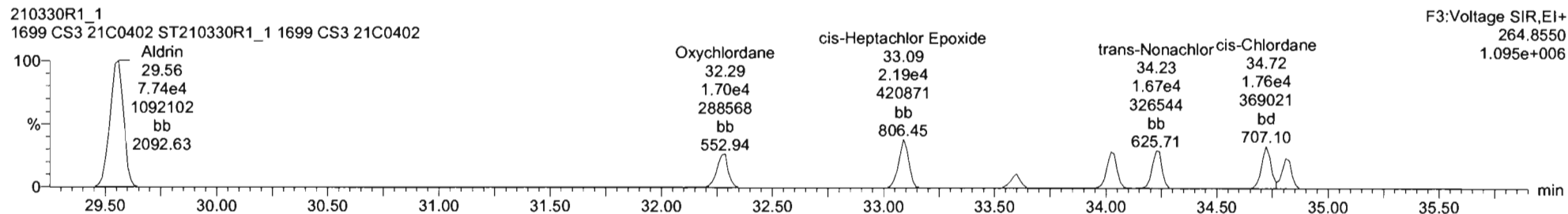
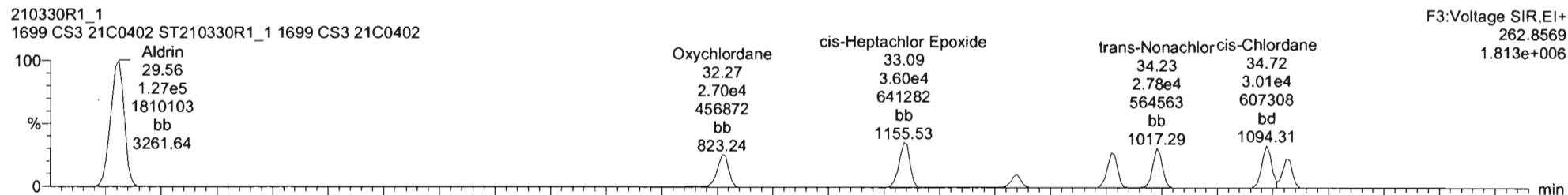


Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

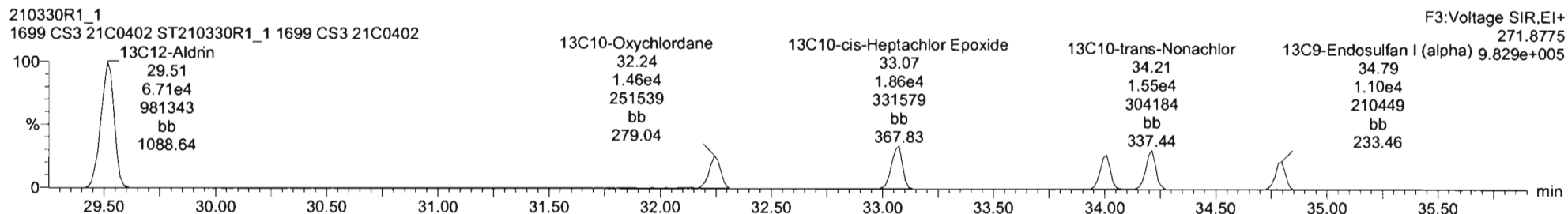
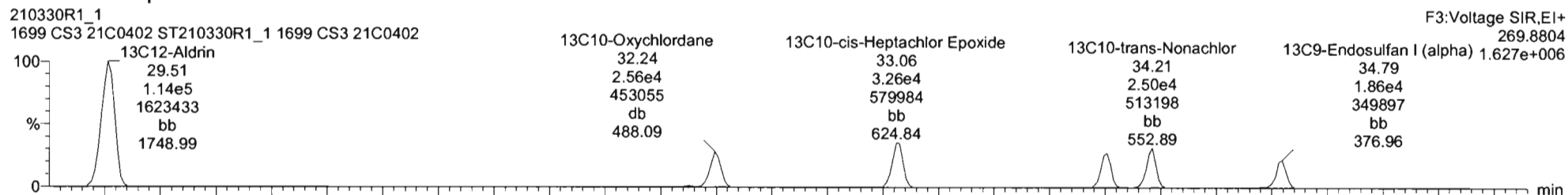
Last Altered: Thursday, April 01, 2021 10:01:09 Pacific Daylight Time
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Aldrin-EI



Aldrin-EI-isotopes



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

Last Altered: Thursday, April 01, 2021 10:01:09 Pacific Daylight Time

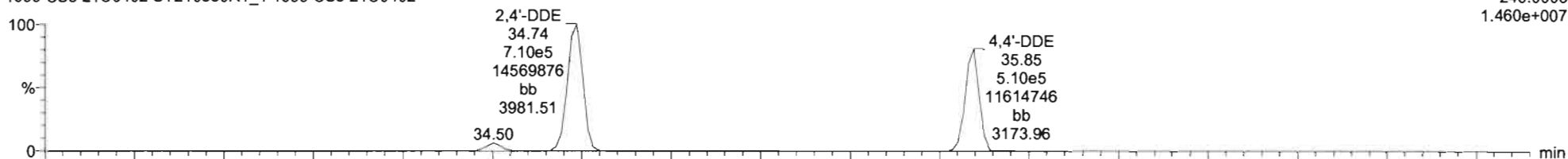
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDMU-DDE

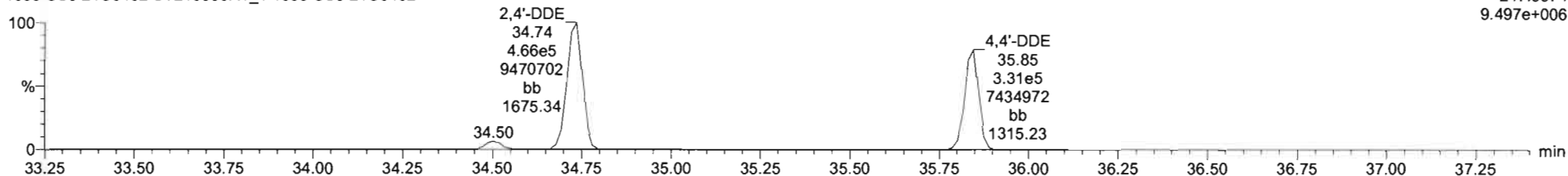
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
246.0003
1.460e+007



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

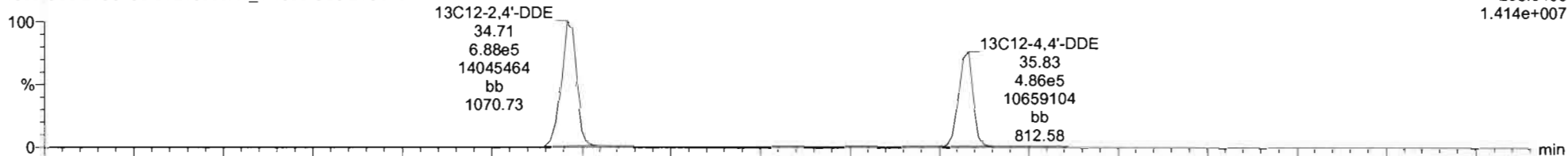
F3:Voltage SIR,EI+
247.9974
9.497e+006



DDE-isotopes

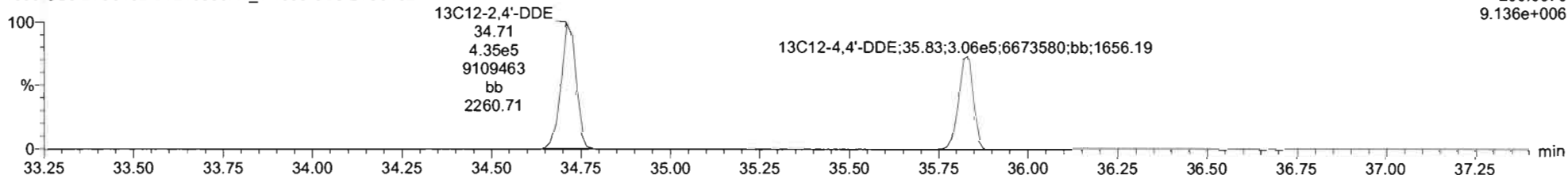
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
258.0406
1.414e+007



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
260.0376
9.136e+006



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

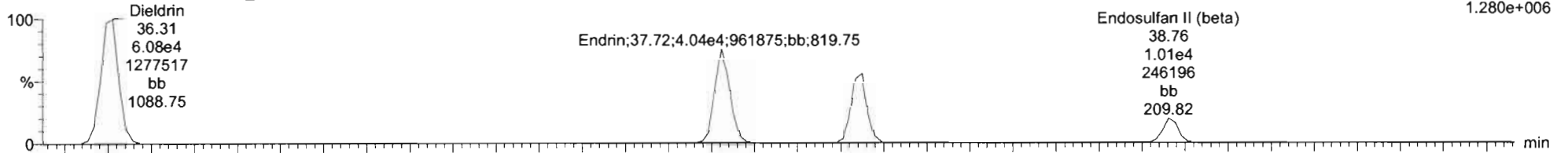
Last Altered: Thursday, April 01, 2021 10:01:09 Pacific Daylight Time
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Dieldrin-EII

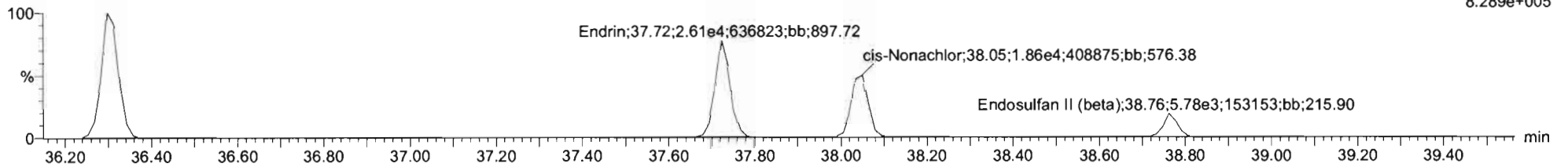
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F4:Voltage SIR,EI+
262.8569
1.280e+006



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

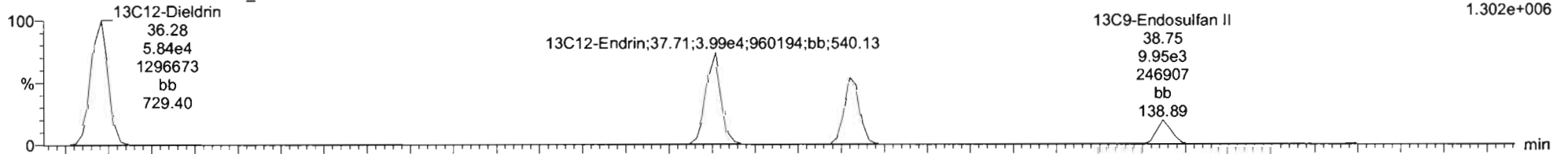
F4:Voltage SIR,EI+
264.8550
8.289e+005



Dieldrin-EII-isotopes

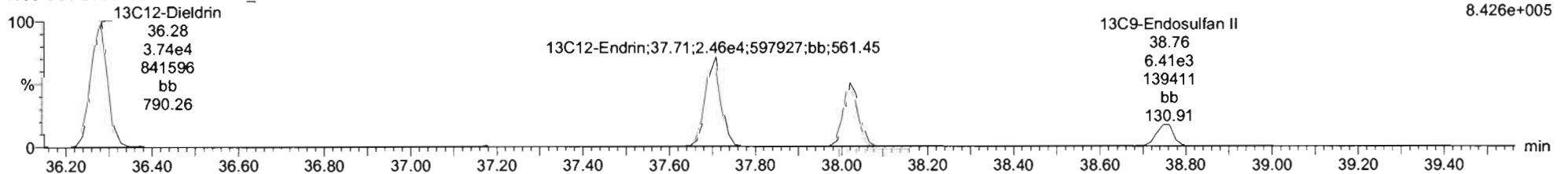
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F4:Voltage SIR,EI+
269.8804
1.302e+006



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F4:Voltage SIR,EI+
271.8775
8.426e+005



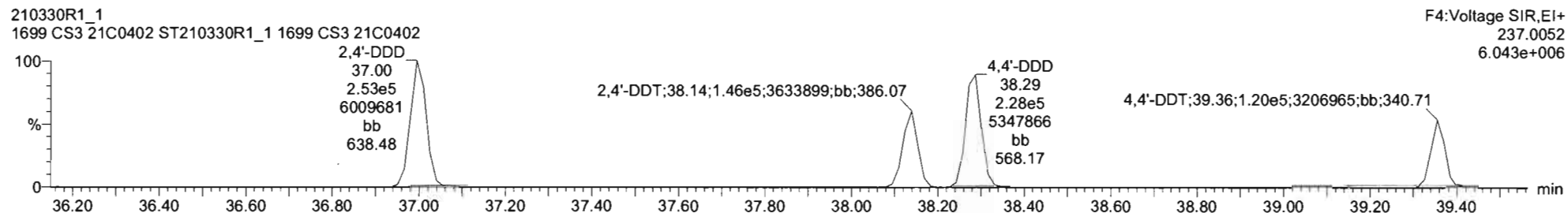
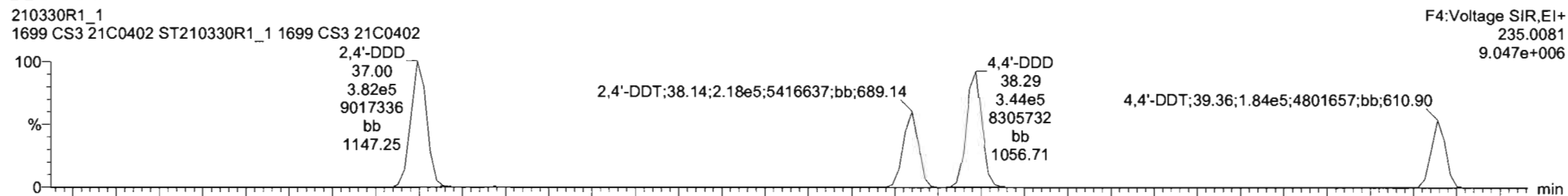
Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

Last Altered: Thursday, April 01, 2021 10:01:09 Pacific Daylight Time

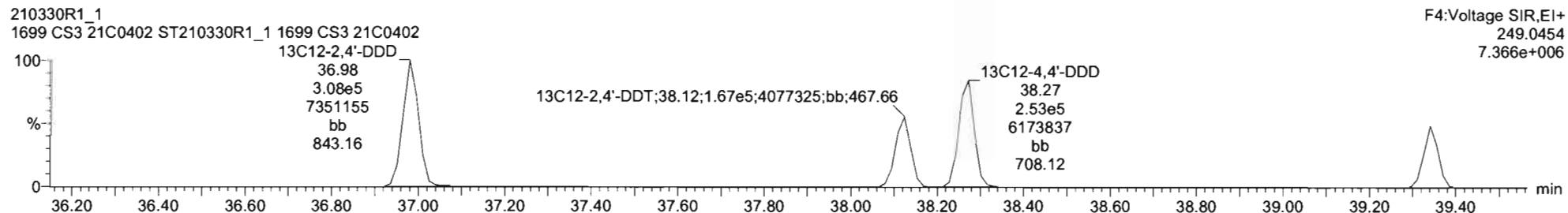
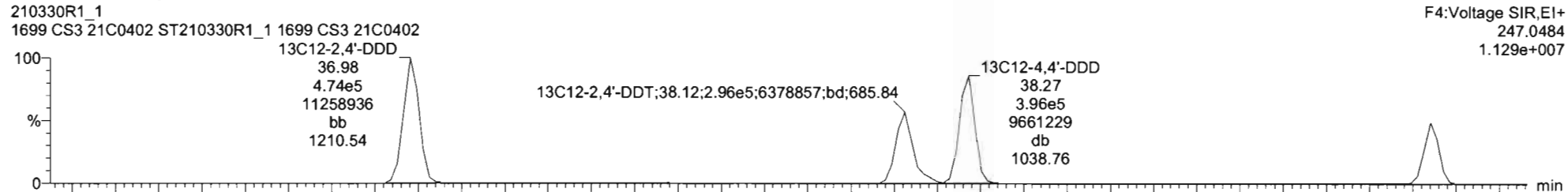
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDD-DDT



DDD-DDT-isotopes



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

Last Altered: Thursday, April 01, 2021 10:01:09 Pacific Daylight Time

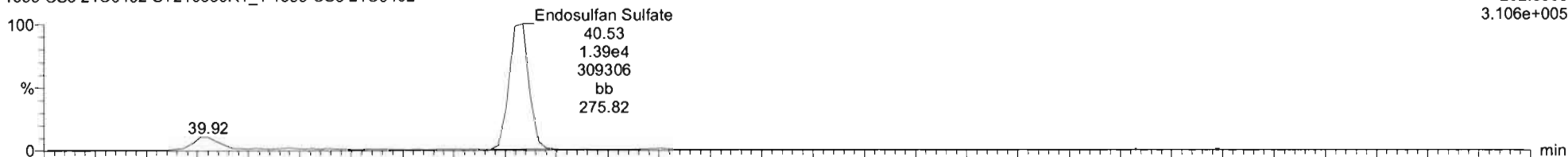
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Endosulfan Sulfate

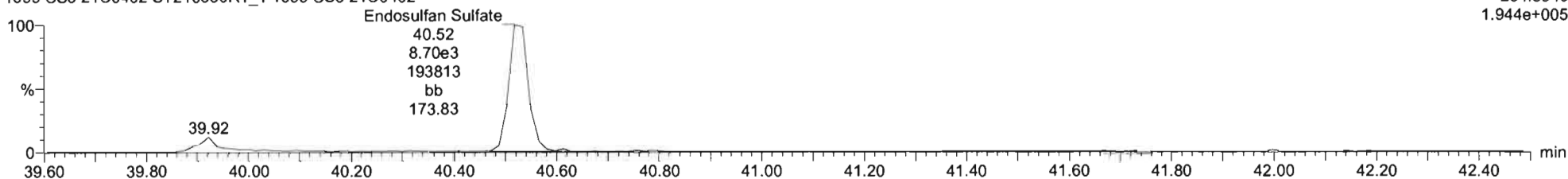
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
262.8569
3.106e+005



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

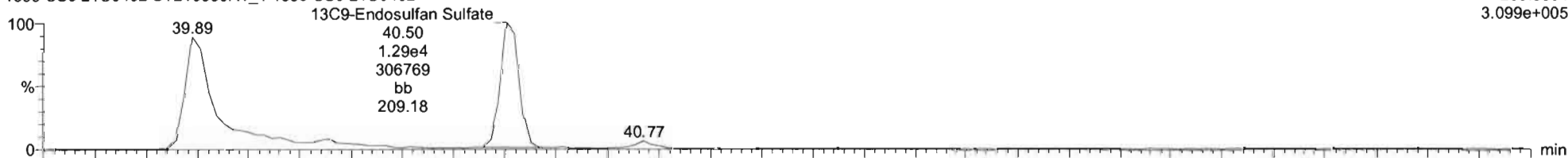
F5:Voltage SIR,EI+
264.8540
1.944e+005



13C9-Endosulfan Sulfate

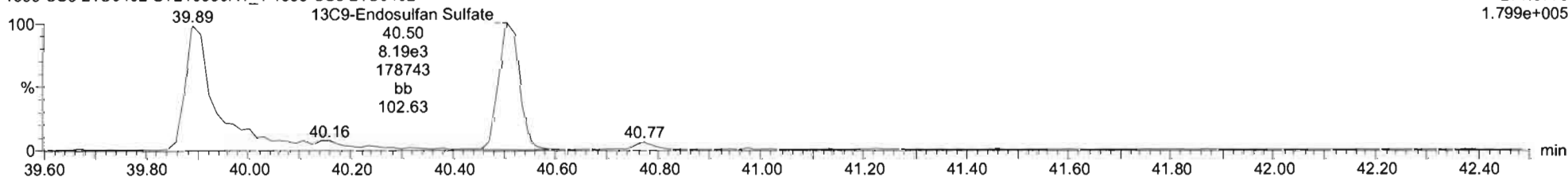
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
269.8804
3.099e+005



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
271.8775
1.799e+005



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

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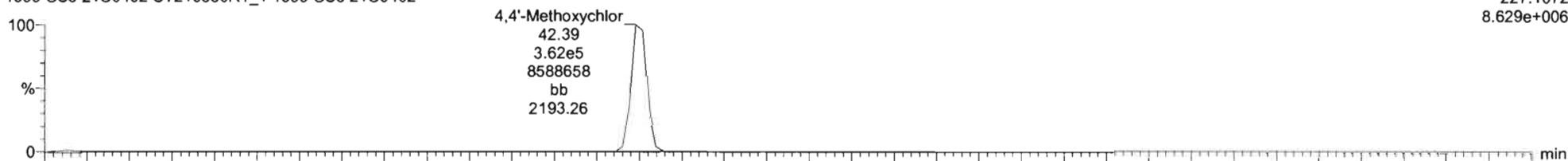
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-Methoxychlor

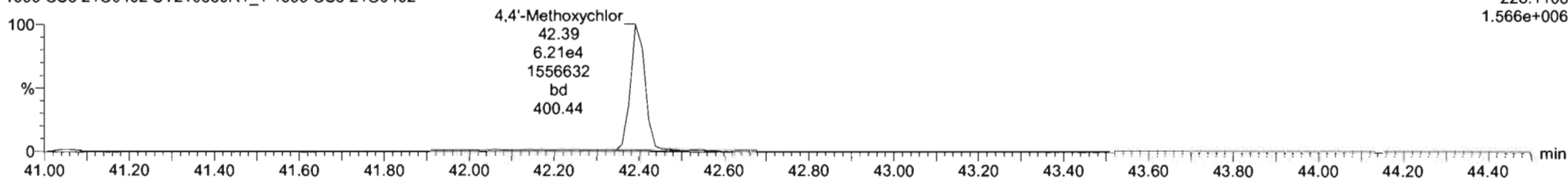
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
227.1072
8.629e+006



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

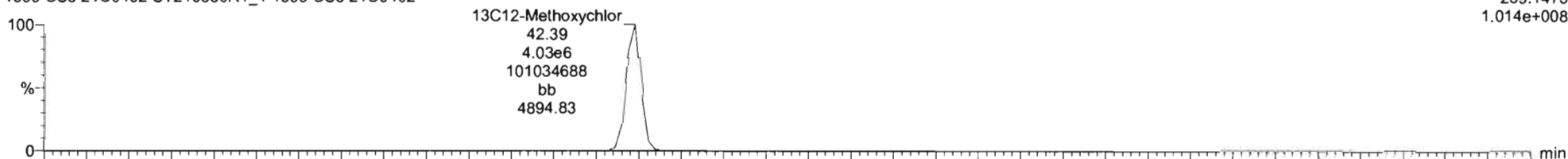
F5:Voltage SIR,EI+
228.1106
1.566e+006



13C12-Methoxychlor

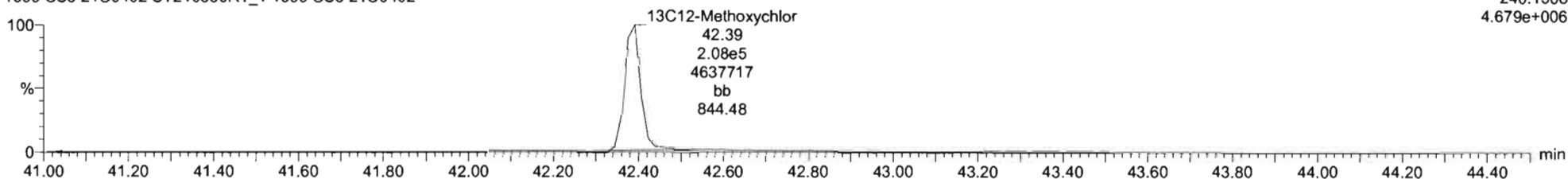
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
239.1475
1.014e+008

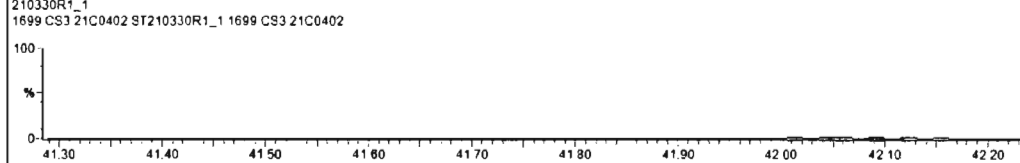
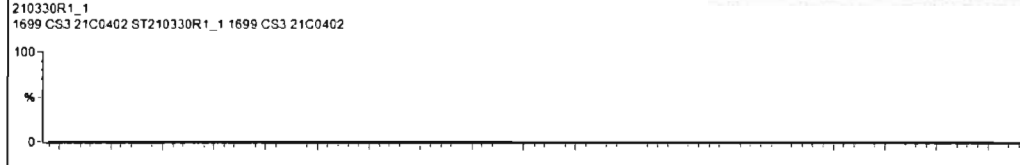
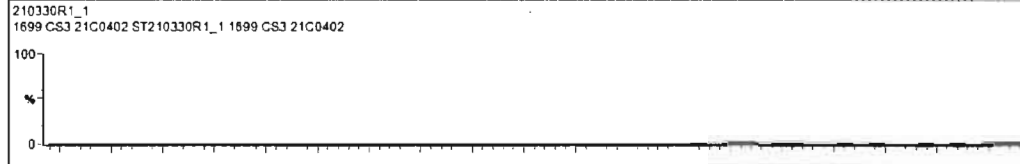


210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
240.1508
4.679e+006



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
17	4,4'-DDMU	4.53e5	1.12e6	46	2.97	NO	0.4187	1.000	34.51	34.50	0.994	0.994	NO	48.2	96.3	0.0448	48.2
18	2,4'-DOE	1.18e6	1.12e6	46	1.53	NO	1.0066	1.000	34.72	34.74	1.001	1.000	NO	52.0	104	0.0504	52.0
19	4,4'-DOE	8.41e5	7.92e5	47	1.54	NO	1.0094	1.000	35.85	35.85	1.000	1.000	NO	52.6	105	0.0664	52.6
20	Declrin	9.83e4	9.57e4	48	1.62	NO	1.0010	1.000	36.30	36.31	1.001	1.000	NO	51.3	103	0.111	51.3
21	Endrin	6.64e4	6.45e4	49	1.55	NO	0.9769	1.000	37.71	37.72	1.000	1.000	NO	52.7	105	0.155	52.7
22	cis-Nonachlor	4.89e4	4.57e4	50	1.83	NO	1.0113	1.000	38.03	38.05	1.001	1.000	NO	53.0	106	0.211	53.0
23	Endosulfan II (beta)	1.58e4	1.64e4	51	1.74	NO	1.0079	1.000	38.75	38.76	1.000	1.000	NO	48.0	96.0	0.575	48.0
24	2,4'-DDD	6.35e5	7.82e5	52	1.51	NO	0.7794	1.000	36.96	37.00	1.000	1.000	NO	52.1	104	0.149	52.1
25	2,4'-DDT	3.64e5	4.63e5	53	1.50	NO	0.7506	1.000	38.14	38.14	1.000	1.000	NO	52.4	105	0.288	52.4
26	4,4'-DDD	5.72e5	6.50e5	54	1.51	NO	0.8433	1.000	38.29	38.29	1.000	1.000	NO	52.2	104	0.162	52.2
27	4,4'-DDT	3.04e5	3.51e5	55	1.53	NO	0.8412	1.000	39.36	39.36	1.000	1.000	NO	51.5	103	0.267	51.5
28	Endosulfan Sulfate	2.26e4	2.11e4	56	1.60	NO	1.0514	1.000	40.50	40.53	1.001	1.000	NO	51.0	102	0.530	51.0
29	4,4'-Methoxychlor	4.24e5	4.24e6	57	5.89	NO	0.9927	1.000	42.40	42.39	1.000	1.000	NO	50.4	101	0.0925	50.4
30	Mirex	2.49e5	2.41e5	58	1.54	NO	0.9793	1.000	42.84	42.83	1.000	1.000	NO	52.6	105	0.107	52.6
31	Endrin Aldehyde	4.52e4	4.73e5	59	0.57	NO	0.9721	1.000	39.92	39.92	1.000	1.000	NO	49.1	88.3	0.696	49.1



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

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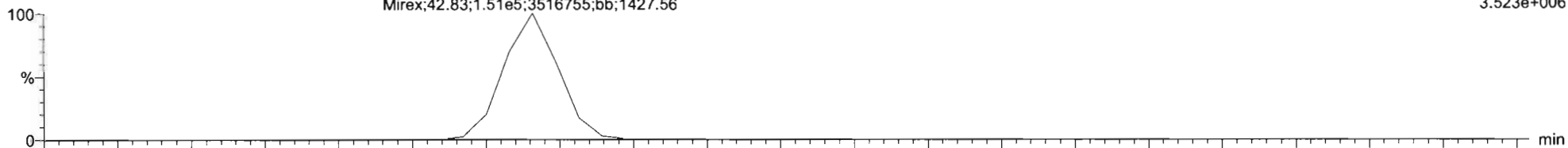
Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Mirex

210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
236.8413
3.523e+006

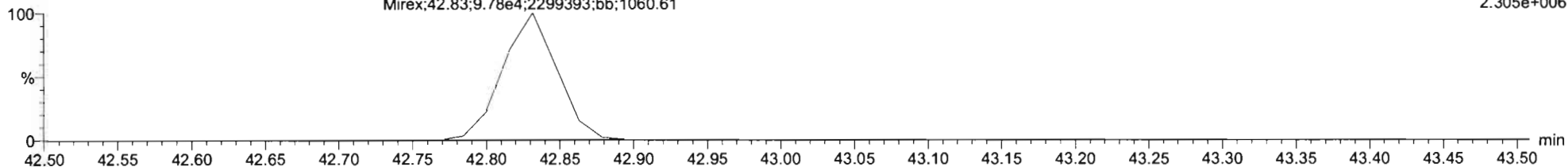
Mirex;42.83;1.51e5;3516755;bb;1427.56



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
238.8384
2.305e+006

Mirex;42.83;9.78e4;2299393;bb;1060.61

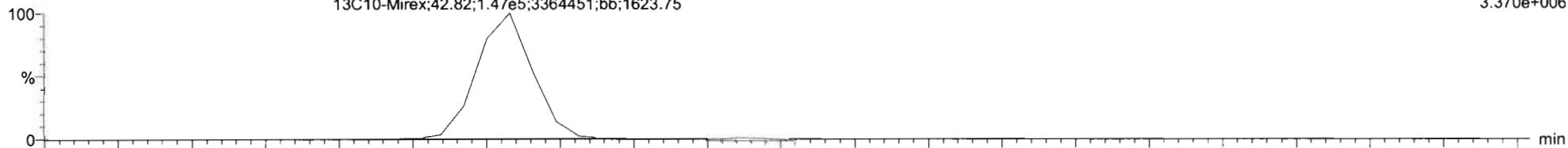


13C10-Mirex

210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
241.8581
3.370e+006

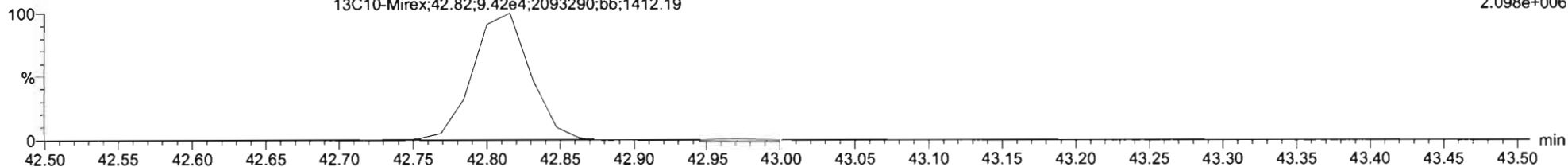
13C10-Mirex;42.82;1.47e5;3364451;bb;1623.75



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
243.8551
2.098e+006

13C10-Mirex;42.82;9.42e4;2093290;bb;1412.19



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

Last Altered: Thursday, April 01, 2021 10:01:09 Pacific Daylight Time

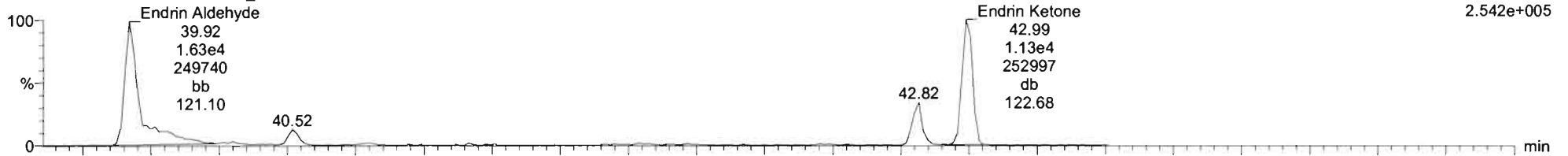
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

EA-EK

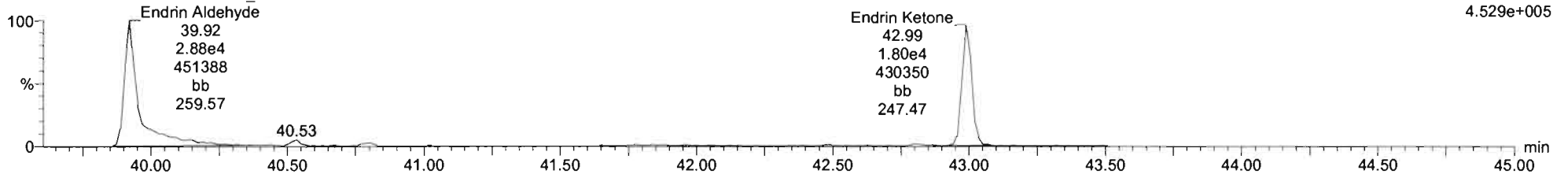
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
247.8521
2.542e+005



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

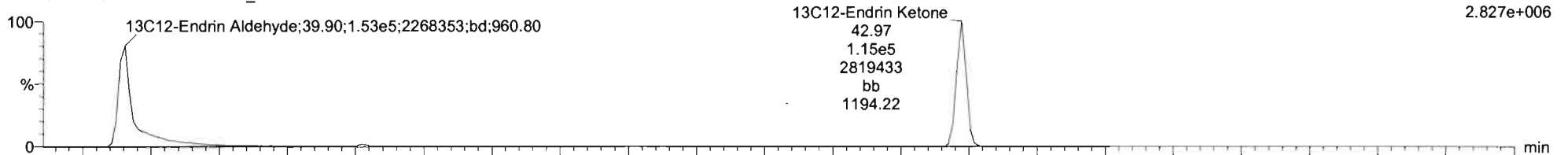
F5:Voltage SIR,EI+
249.8491
4.529e+005



EA-EK-isotopes

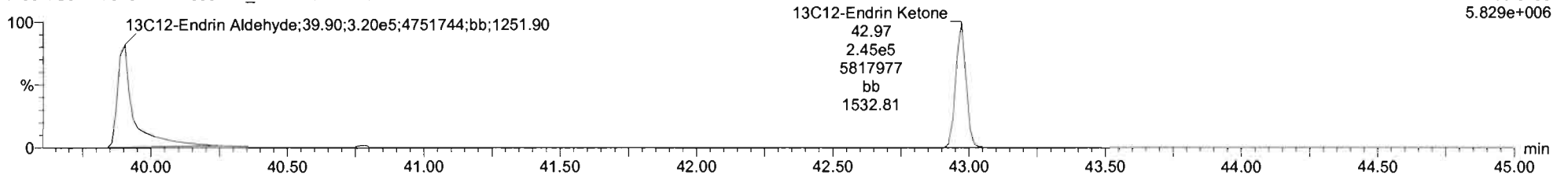
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
253.8722
2.827e+006

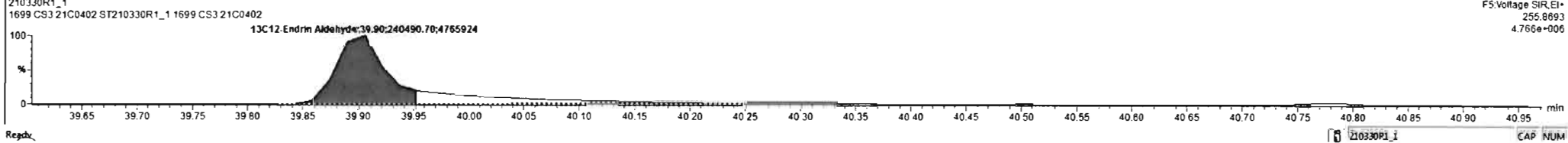
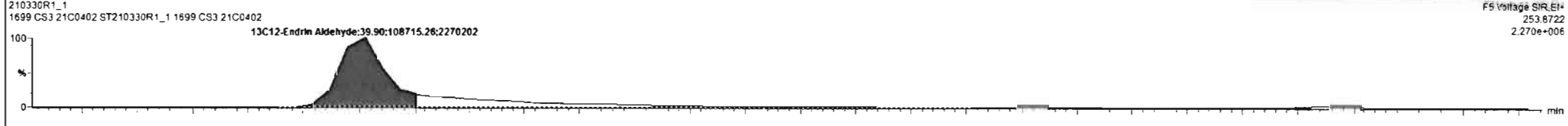


210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
255.8693
5.829e+006



#	Name	Resp	IS Resp	ISF	RA	nly	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
17	4,4'-DDMU	4.53e5	1.12e6	46	2.97	NO	0.4187	1.000	34.51	34.50	0.994	0.994	NO	48.2	96.3	0.0448	48.2
18	2,4'-DDE	1.18e6	1.12e6	46	1.53	NO	1.0066	1.000	34.72	34.74	1.001	1.000	NO	52.0	104	0.0504	52.0
19	4,4'-DDE	8.41e5	7.92e5	47	1.54	NO	1.0094	1.000	35.85	35.85	1.000	1.000	NO	52.6	105	0.0664	52.6
20	Dieldrin	9.83e4	9.57e4	48	1.62	NO	1.0010	1.000	36.30	36.31	1.001	1.000	NO	51.3	103	0.111	51.3
21	Endrin	6.64e4	6.45e4	49	1.55	NO	0.9769	1.000	37.71	37.72	1.000	1.000	NO	52.7	105	0.155	52.7
22	ow-Nonachlor	4.89e4	4.57e4	50	1.63	NO	1.0113	1.000	38.03	38.05	1.001	1.000	NO	53.0	106	0.211	53.0
23	Endosulfan I (beta)	1.58e4	1.64e4	51	1.74	NO	1.0079	1.000	38.75	38.76	1.000	1.000	NO	48.0	96.0	0.575	48.0
24	2,4'-DDD	6.35e5	7.82e5	52	1.51	NO	0.7794	1.000	36.98	37.00	1.000	1.000	NO	52.1	104	0.149	52.1
25	2,4'-DDT	3.64e5	4.63e5	53	1.50	NO	0.7506	1.000	38.14	38.14	1.000	1.000	NO	52.4	105	0.288	52.4
26	4,4'-DDD	5.72e5	6.50e5	54	1.51	NO	0.8433	1.000	38.29	38.29	1.000	1.000	NO	52.2	104	0.162	52.2
27	4,4'-DDT	3.04e5	3.51e5	55	1.53	NO	0.8412	1.000	39.36	39.36	1.000	1.000	NO	51.5	103	0.287	51.5
28	Endosulfan Sulfate	2.26e4	2.11e4	56	1.60	NO	1.0514	1.000	40.50	40.53	1.001	1.000	NO	51.0	102	0.530	51.0
29	4,4'-Methoxychlor	4.24e5	4.24e6	57	5.89	NO	0.9927	1.000	42.40	42.39	1.000	1.000	NO	50.4	101	0.0925	50.4
30	Mirex	2.49e5	2.41e5	58	1.54	NO	0.9793	1.000	42.84	42.83	1.000	1.000	NO	52.6	105	0.107	52.6
31	Endrin Aldehyde	3.23e4	3.49e5	59	0.58	NO	0.9721	1.000	39.92	39.92	1.000	1.000	NO	47.6	95.1	0.670	47.6



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

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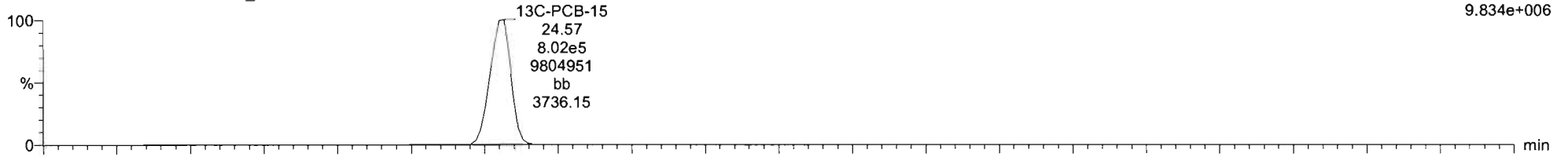
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

Name: 210330R1_1, Date: 30-Mar-2021, Time: 09:57:53, ID: ST210330R1_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-15

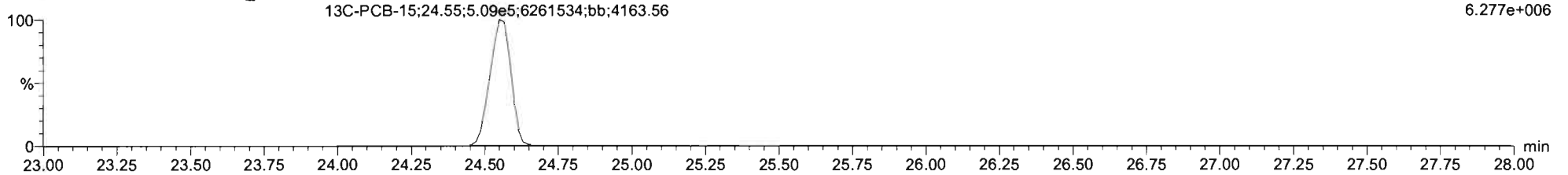
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F2:Voltage SIR,EI+
234.0406
9.834e+006



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

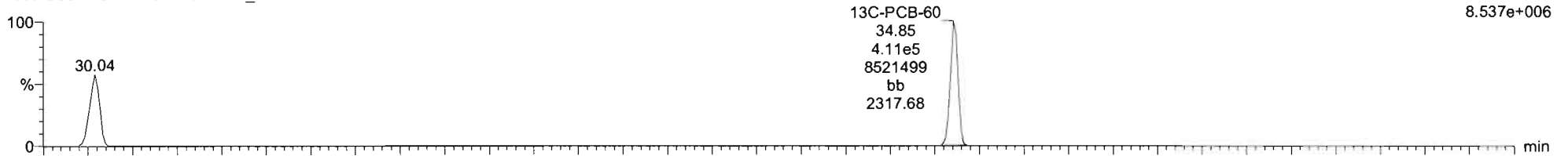
F2:Voltage SIR,EI+
236.0376
6.277e+006



13C-PCB-60

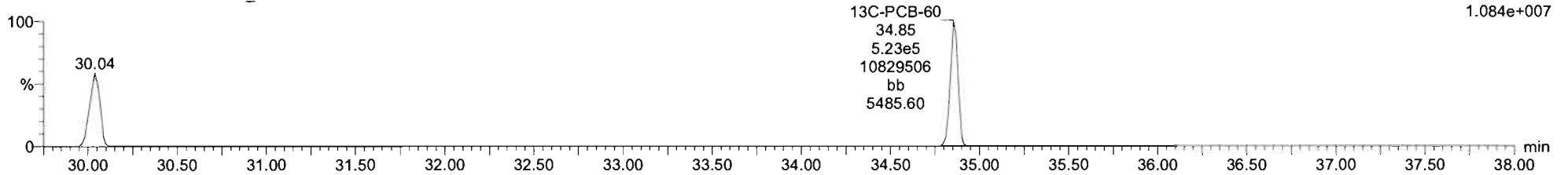
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
301.9626
8.537e+006



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
303.9597
1.084e+007



Dataset: U:\VG12.PRO\Results\210330R1\210330R1_1.qld

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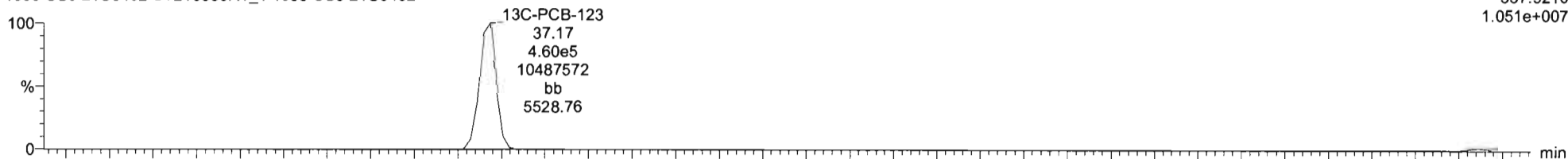
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

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13C-PCB-123

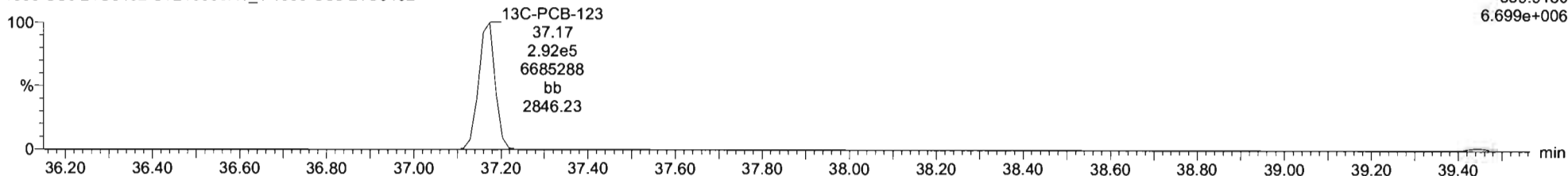
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F4:Voltage SIR,EI+
337.9210
1.051e+007



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

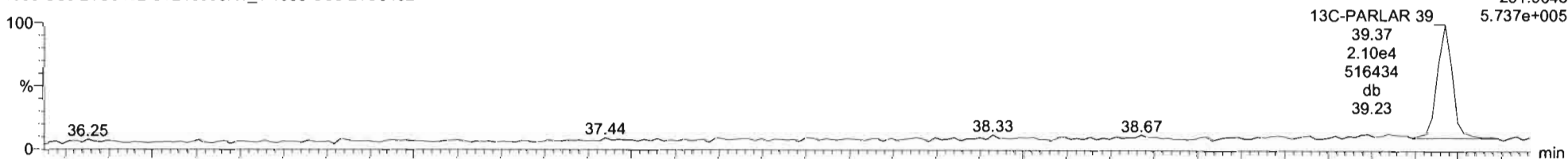
F4:Voltage SIR,EI+
339.9180
6.699e+006



13C-PARLAR 39

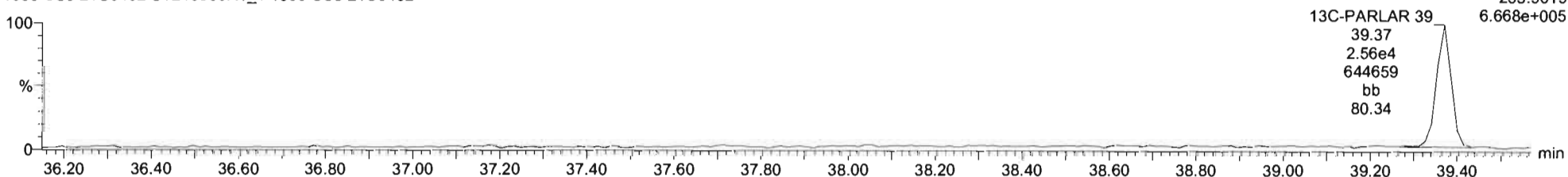
210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F4:Voltage SIR,EI+
251.9648
5.737e+005



210330R1_1
1699 CS3 21C0402 ST210330R1_1 1699 CS3 21C0402

F4:Voltage SIR,EI+
253.9619
6.668e+005



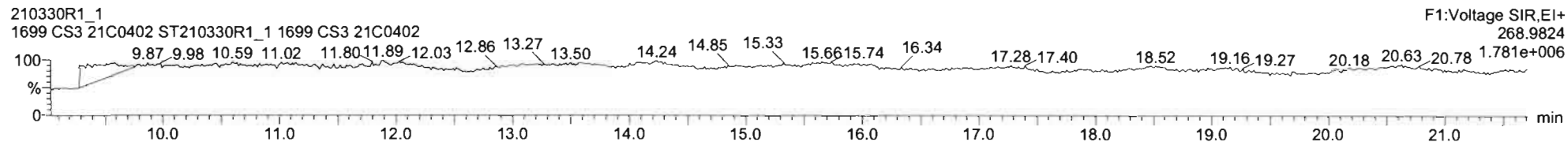
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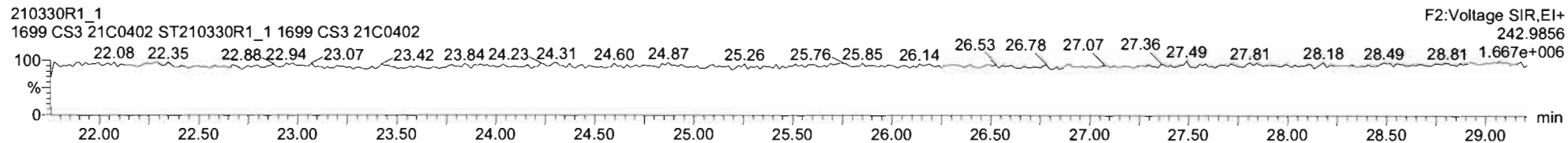
Printed: Thursday, April 01, 2021 11:09:04 Pacific Daylight Time

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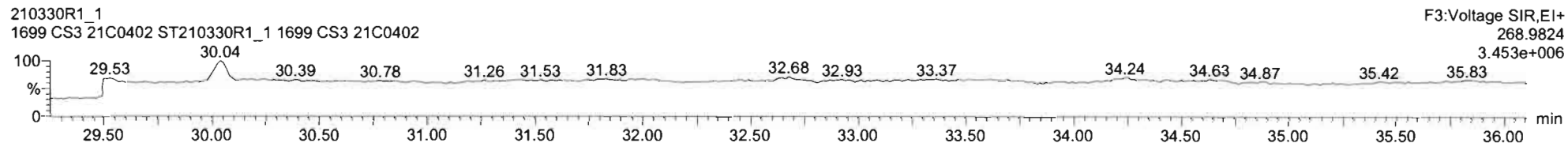
PFK1



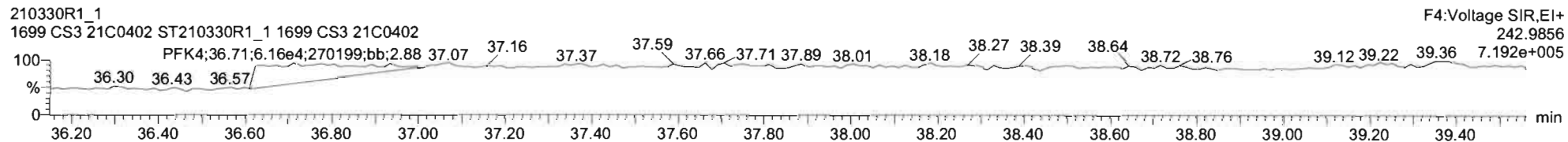
PFK2



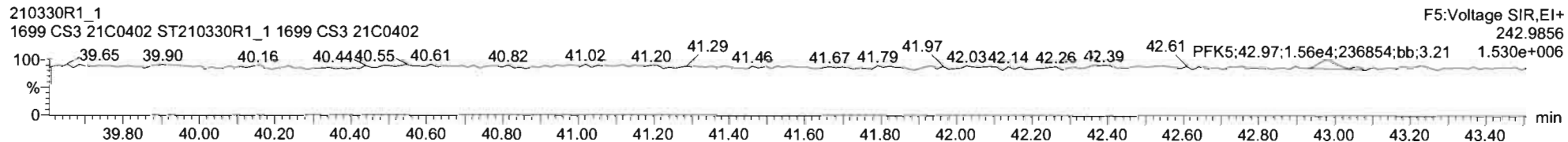
PFK3



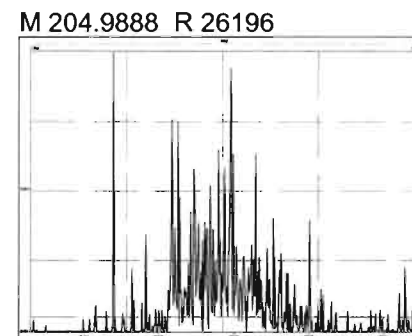
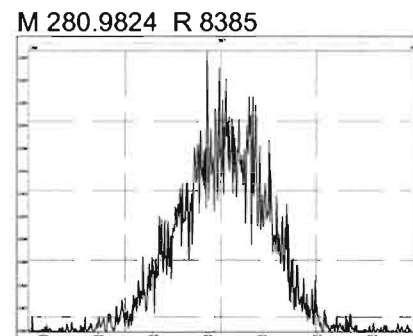
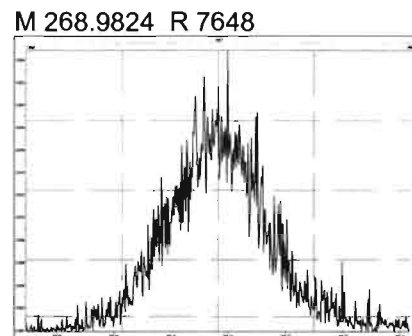
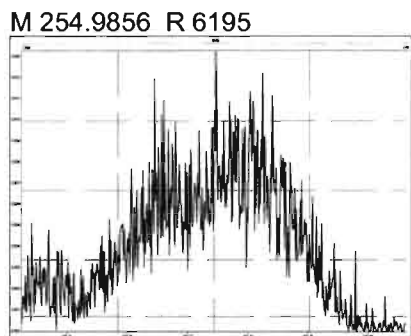
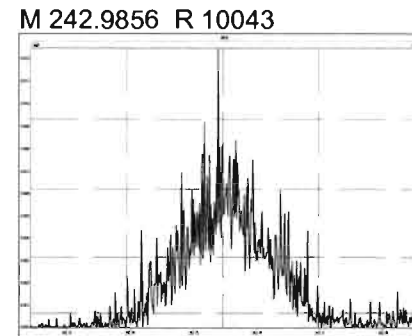
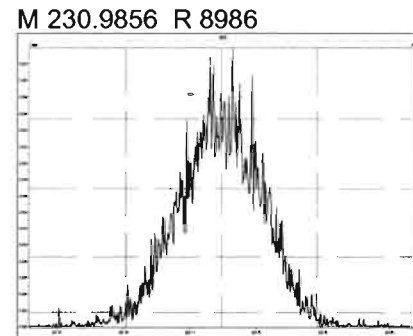
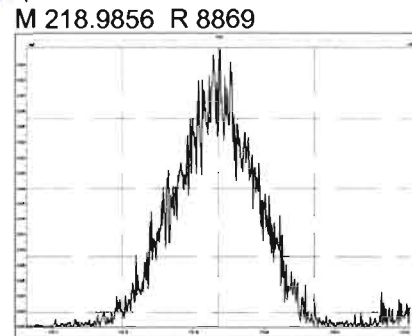
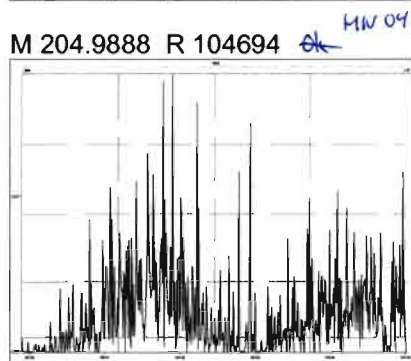
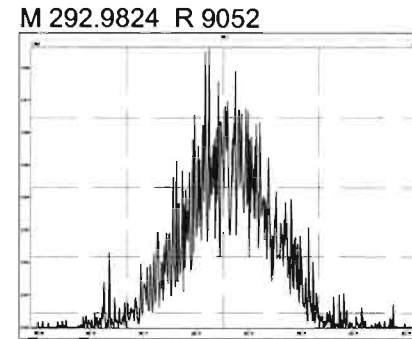
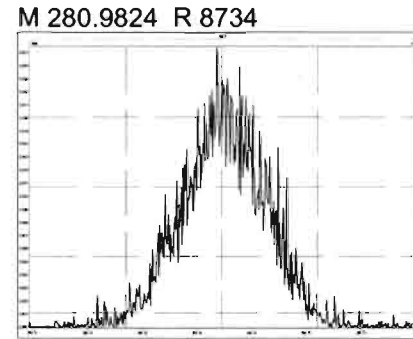
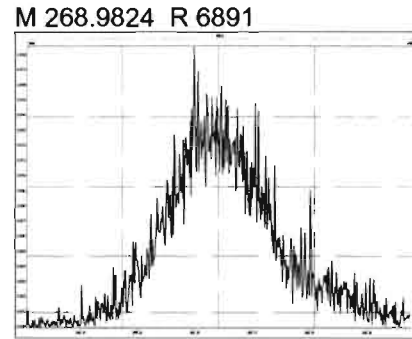
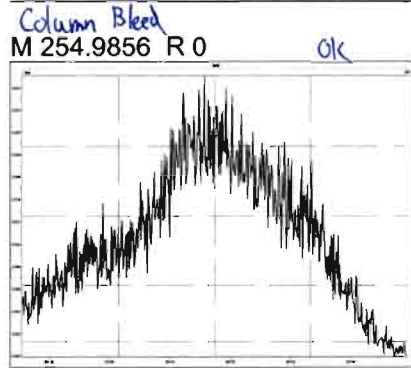
PFK4



PFK5

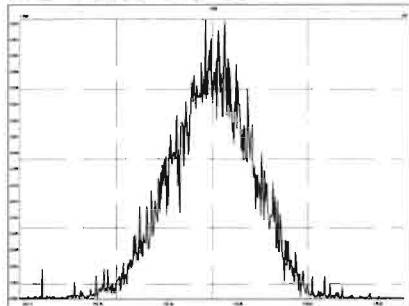


Printed: Tuesday, March 30, 2021 21:44:49 Pacific Daylight Time

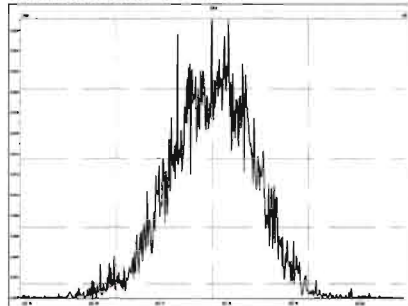


Printed: Tuesday, March 30, 2021 21:44:49 Pacific Daylight Time

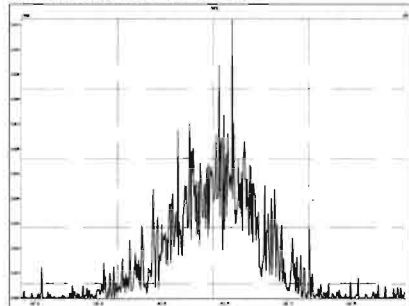
M 218.9856 R 8753



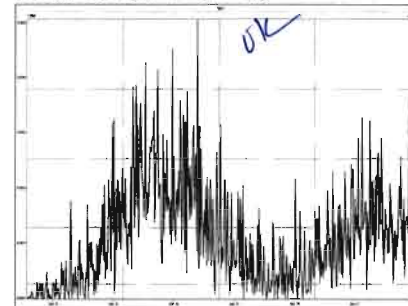
M 230.9856 R 8771



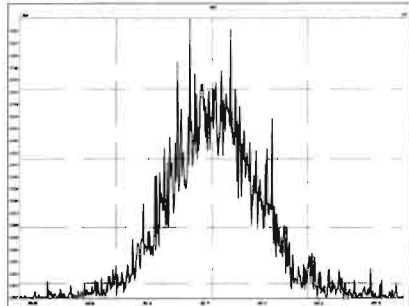
M 242.9856 R 10882



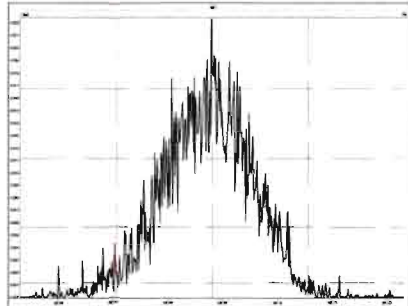
M 254.9856 R 57785



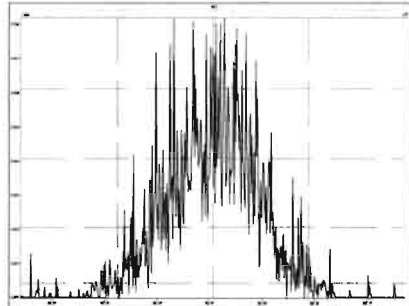
M 268.9824 R 9017



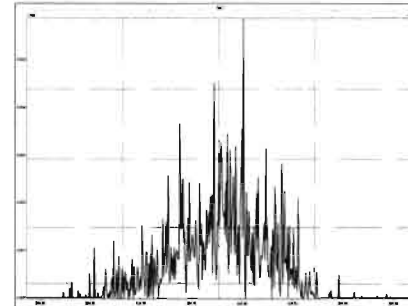
M 280.9824 R 8333



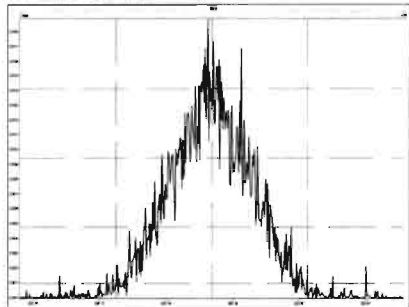
M 292.9824 R 10312



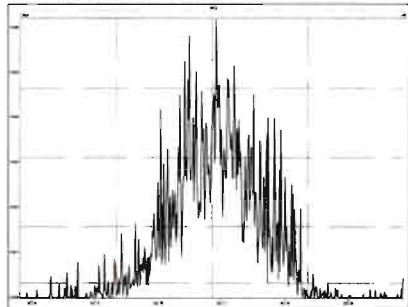
M 304.9824 R 14801



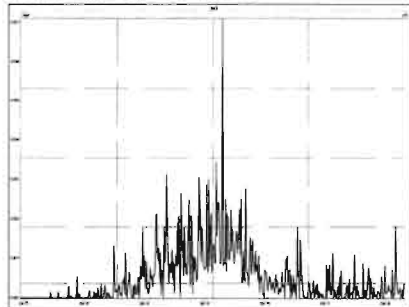
M 230.9856 R 9071



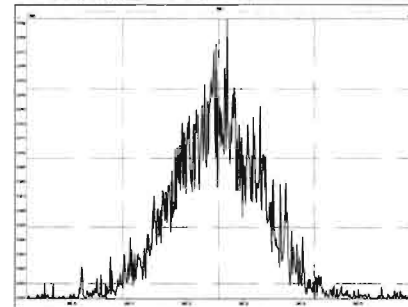
M 242.9856 R 10249



M 254.9856 R 16941

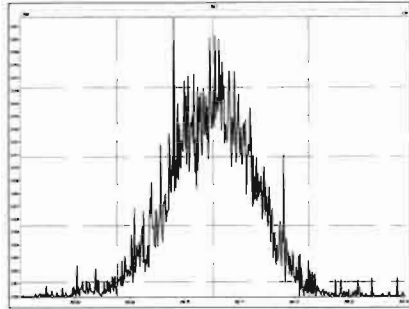


M 268.9824 R 8391

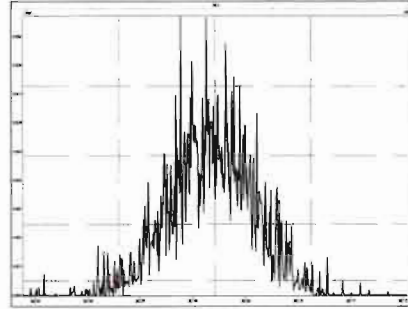


Printed: Tuesday, March 30, 2021 21:44:49 Pacific Daylight Time

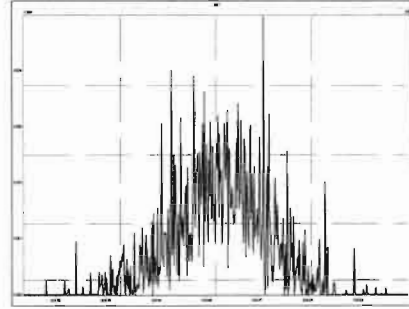
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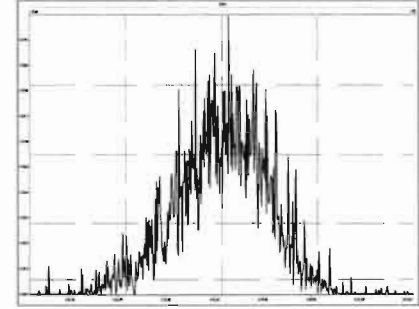
M 292.9824 R 9800



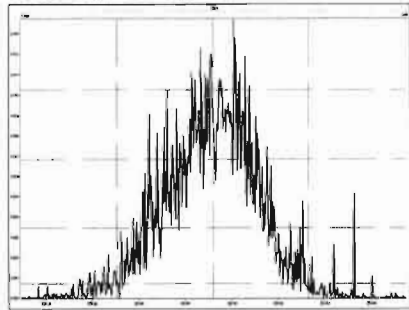
M 304.9824 R 17158



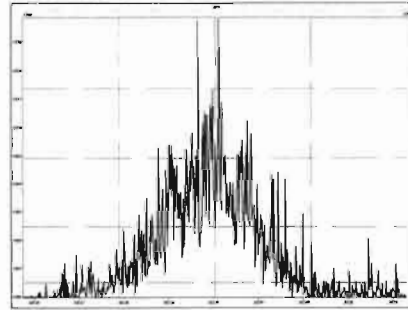
M 318.9792 R 9594



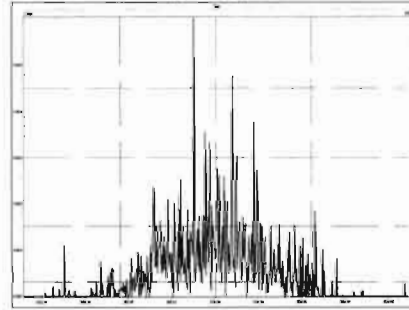
M 330.9792 R 9302



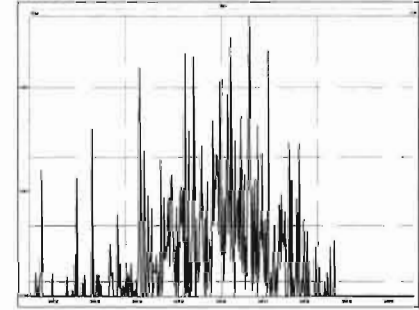
M 342.9792 R 9785



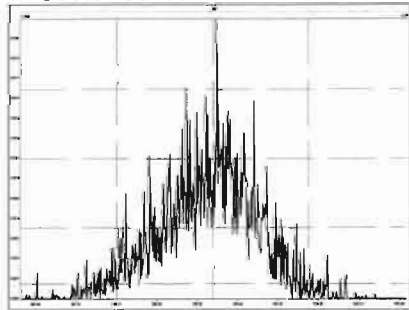
M 354.9792 R 64259



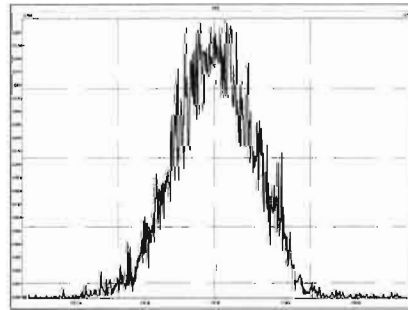
M 366.9792 R 95832



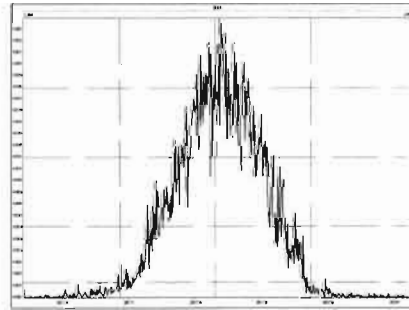
M 380.9760 R 8425



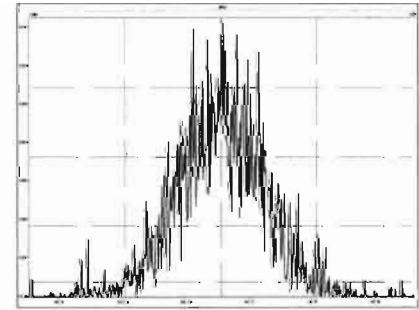
M 218.9856 R 9546



M 230.9856 R 9054

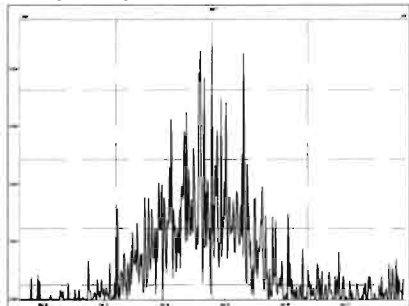


M 242.9856 R 10895

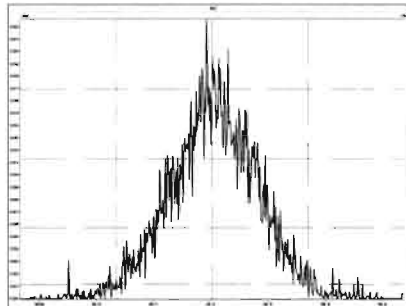


Printed: Tuesday, March 30, 2021 21:44:49 Pacific Daylight Time

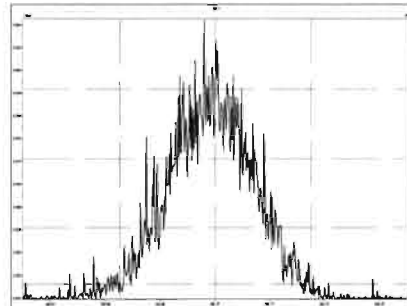
M 254.9856 R 19347



M 268.9824 R 8888



M 280.9824 R 8492



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: S7210401R2-1
S7210401R2-1

Reviewed By: DF04/06/21
Initials & Date

End Calibration ID: NA

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

Mass resolution \geq

5k 6-8K 8K 10K

1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

GC Break <20%

8280 CS1 End Standard:

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

Comments:

(A) $\frac{1}{2}$ masses affected by column bleed HN 04/02/21

	<u>Beg.</u>	<u>End</u>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (A)
	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA

Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Friday, April 02, 2021 16:03:05 Pacific Daylight Time

Printed: Friday, April 02, 2021 16:03:25 Pacific Daylight Time

HN 04/02/21
DF 04/06/21

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	1.75e6	1.76e6	1.25	NO	0.945	1.000	21.46	21.45	1.001	1.001	NO	52.5	105 ^{15/14%}	0.00201	52.5
2	3 Alpha-BHC	4.19e5	5.16e5	2.05	NO	0.781	1.000	22.01	21.98	1.001	1.002	NO	52.0	104	0.0898	52.0
3	4 Lindane (gamma-BHC)	3.11e5	3.79e5	2.08	NO	0.790	1.000	25.03	25.03	1.001	1.001	NO	52.0	104	0.141	52.0
4	5 Beta-BHC	2.43e5	2.57e5	2.11	NO	0.925	1.000	27.19	27.20	1.001	1.000	NO	51.1	102	0.164	51.1
5	6 Delta-BHC	2.77e5	3.09e5	2.10	NO	0.863	1.000	28.97	28.99	1.001	1.001	NO	52.0	104	0.133	52.0
6	7 Heptachlor	1.53e5	1.36e5	1.27	NO	1.07	1.000	27.31	27.31	1.001	1.001	NO	52.6	105	0.0563	52.6
7	9 Aldrin	3.57e5	3.03e5	1.62	NO	1.09	1.000	29.54	29.54	1.001	1.001	NO	54.1	108	0.0350	54.1
8	10 Oxychlorane	7.42e4	6.42e4	1.68	NO	1.08	1.000	32.25	32.27	1.001	1.001	NO	53.3	107	0.137	53.3
9	11 cis-Heptachlor Epoxide	1.03e5	8.49e4	1.70	NO	1.09	1.000	33.06	33.07	1.001	1.001	NO	55.5	111	0.0943	55.5
10	12 trans-Heptachlor Epox...	2.02e4	8.49e4	1.62	NO	0.269	1.000	33.54	33.58	1.016	1.015	NO	44.2	88.4	0.383	44.2
11	13 trans-Chlordane (gam...	7.03e4	5.54e4	1.67	NO	1.13	1.000	34.01	34.01	1.000	1.001	NO	56.3	113	0.134	56.3
12	14 trans-Nonachlor	7.51e4	6.48e4	1.65	NO	1.04	1.000	34.22	34.21	1.000	1.001	NO	55.6	111	0.131	55.6
13	15 cis-Chlordane	7.99e4	6.48e4	1.64	NO	1.14	1.000	34.69	34.71	1.015	1.015	NO	54.1	108	0.120	54.1
14	16 Endosulfan I (alpha)	5.19e4	4.13e4	1.63	NO	1.12	1.000	34.80	34.79	1.000	1.001	NO	56.3	113	0.183	56.3
15	18 2,4'-DDE	2.12e6	1.98e6	1.52	NO	1.01	1.000	34.70	34.71	1.000	1.000	NO	53.2	106	0.0452	53.2
16	19 4,4'-DDE	1.46e6	1.33e6	1.53	NO	1.01	1.000	35.82	35.82	1.000	1.000	NO	54.1	108	0.0632	54.1
17	20 Dieldrin	1.76e5	1.66e5	1.59	NO	1.00	1.000	36.29	36.28	1.000	1.000	NO	52.9	106	0.0846	52.9
18	21 Endrin	1.06e5	1.05e5	1.63	NO	0.977	1.000	37.68	37.71	1.001	1.000	NO	51.9	104	0.138	51.9
19	22 cis-Nonachlor	8.32e4	7.82e4	1.61	NO	1.01	1.000	38.02	38.02	1.000	1.000	NO	52.6	105	0.158	52.6
20	23 Endosulfan II (beta)	2.32e4	2.23e4	1.73	NO	1.01	1.000	38.73	38.75	1.000	1.000	NO	51.7	103	0.585	51.7
21	24 2,4'-DDD	8.18e5	1.17e6	1.44	NO	0.779	1.000	36.97	36.98	1.000	1.000	NO	44.8	89.7	0.0878	44.8
22	25 2,4'-DDT	5.54e5	7.95e5	1.44	NO	0.751	1.000	38.11	38.11	1.000	1.000	NO	46.4	92.8	0.162	46.4
23	26 4,4'-DDD	7.18e5	9.31e5	1.45	NO	0.843	1.000	38.26	38.26	1.000	1.000	NO	45.7	91.5	0.106	45.7
24	27 4,4'-DDT	4.57e5	5.94e5	1.45	NO	0.841	1.000	39.35	39.34	1.000	1.000	NO	45.8	91.5	0.156	45.8
25	28 Endosulfan Sulfate	3.42e4	3.26e4	1.59	NO	1.05	1.000	40.49	40.50	1.000	1.000	NO	49.8	99.7	0.296	49.8
26	29 4,4'-Methoxychlor	6.45e5	6.99e6	5.52	NO	0.993	1.000	42.37	42.38	1.000	1.000	NO	46.5	93.1	0.0496	46.5
27	30 Mirex	4.14e5	4.01e5	1.56	NO	0.979	1.000	42.81	42.81	1.001	1.000	NO	52.7	105	0.0487	52.7
28	31 Endrin Aldehyde	5.96e4	6.43e5	0.61	NO	0.972	1.000	39.89	39.90	1.001	1.000	NO	47.7	95.5	0.326	47.7
29	32 Endrin Ketone	5.66e4	6.49e5	0.60	NO	0.855	1.000	42.96	42.97	1.000	1.000	NO	51.0	102	0.354	51.0
30	34 13C6-Hexachlorobenz...	1.76e6	2.29e6	1.26	NO	0.664	1.000	21.44	21.44	0.873	0.873	NO	57.9	116 ^{50%}	0.00243	
31	35 13C6-Alpha-BHC	5.16e5	2.29e6	0.75	NO	0.223	1.000	21.94	21.96	0.895	0.894	NO	50.4	101	0.115	

Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Friday, April 02, 2021 16:03:05 Pacific Daylight Time

Printed: Friday, April 02, 2021 16:03:25 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

	# Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (gamma)	3.79e5	2.29e6	0.77	NO	0.168	1.000	25.00	25.00	1.018	1.018	NO	49.1	98.3	0.152	
33	37 13C6-Beta-BHC	2.57e5	2.29e6	0.76	NO	0.129	1.000	27.17	27.18	1.107	1.107	NO	43.3	86.7	0.198	
34	38 13C6-Delta-BHC	3.09e5	2.29e6	0.76	NO	0.151	1.000	28.95	28.95	1.179	1.179	NO	44.7	89.4	0.170	
35	39 13C10-Heptachlor	1.36e5	2.29e6	1.31	NO	0.0852	1.000	27.28	27.28	1.111	1.111	NO	34.8	69.6	0.0477	
36	40 13C12-Aldrin	3.03e5	2.29e6	1.68	NO	0.135	1.000	29.51	29.51	1.202	1.202	NO	49.0	98.0	0.0656	
37	41 13C10-Oxychlorane	6.42e4	2.29e6	1.68	NO	0.0343	1.000	32.23	32.23	1.313	1.313	NO	40.9	81.7	0.259	
38	42 13C10-cis-Heptachlor ...	8.49e4	2.29e6	1.70	NO	0.0445	1.000	33.04	33.04	1.346	1.346	NO	41.6	83.3	0.199	
39	43 13C10-trans-Chlordan...	5.54e4	2.29e6	1.62	NO	0.0305	1.000	33.99	33.99	1.385	1.385	NO	39.6	79.3	0.290	
40	44 13C10-trans-Nonachlor	6.48e4	2.29e6	1.75	NO	0.0356	1.000	34.20	34.20	1.393	1.393	NO	39.8	79.5	0.249	
41	45 13C9-Endosulfan I (al...	4.13e4	2.29e6	1.73	NO	0.0263	1.000	34.78	34.78	1.417	1.417	NO	34.2	68.4	0.337	
42	46 13C12-2,4'-DDE	1.98e6	2.29e6	1.59	NO	0.875	1.000	34.71	34.69	0.996	0.996	NO	49.3	98.6	0.0686	
43	47 13C12-4,4'-DDE	1.33e6	2.29e6	1.59	NO	0.637	1.000	35.82	35.80	1.028	1.028	NO	45.7	91.4	0.0941	
44	48 13C12-Dieldrin	1.66e5	2.29e6	1.60	NO	0.0741	1.000	36.27	36.27	1.041	1.041	NO	49.0	98.1	0.178	
45	49 13C12-Endrin	1.05e5	2.29e6	1.65	NO	0.0648	1.000	37.69	37.68	1.081	1.082	NO	35.2	70.4	0.204	
46	50 13C10-cis-Nonachlor	7.82e4	2.29e6	1.63	NO	0.0408	1.000	38.01	38.01	1.091	1.091	NO	41.9	83.8	0.324	
47	51 13C9-Endosulfan II	2.23e4	2.29e6	1.67	NO	0.0130	1.000	38.73	38.73	1.112	1.112	NO	37.3	74.6	1.01	
48	52 13C12-2,4'-DDD	1.17e6	2.29e6	1.53	NO	0.687	1.000	36.97	36.97	1.506	1.506	NO	37.2	74.3	0.0731	
49	53 13C12-2,4'-DDT	7.95e5	2.29e6	1.74	NO	0.383	1.000	38.11	38.09	1.552	1.552	NO	45.3	90.7	0.131	
50	54 13C12-4,4'-DDD	9.31e5	2.29e6	1.52	NO	0.592	1.000	38.24	38.24	1.558	1.558	NO	34.3	68.6	0.0848	
51	55 13C12-4,4'-DDT	5.94e5	2.29e6	1.52	NO	0.281	1.000	39.33	39.33	1.602	1.602	NO	46.1	92.1	0.178	
52	56 13C9-Endosulfan Sulf...	3.26e4	2.29e6	1.68	NO	0.0163	1.000	40.49	40.49	1.162	1.162	NO	43.6	87.1	0.758	
53	57 13C12-Methoxychlor	6.99e6	2.29e6	18.29	NO	0.297	1.000	42.36	42.36	1.216	1.216	NO	513	103	0.234	
54	58 13C10-Mirex	4.01e5	2.29e6	1.60	NO	0.177	1.000	42.80	42.78	1.228	1.229	NO	49.4	98.7	0.0938	
55	59 13C12-Endrin Aldehyde	6.43e5	2.29e6	0.47	NO	0.0292	1.000	39.88	39.87	1.144	1.145	NO	480	96.0	0.900	
56	60 13C12-Endrin Ketone	6.49e5	2.29e6	0.48	NO	0.0271	1.000	42.94	42.96	1.233	1.232	NO	523	105	0.971	
57	62 13C-PCB-15	2.29e6	2.29e6	1.56	NO	1.00	1.000	24.55	24.55	1.000	1.000	NO	50.0	100	0.0194	

Dataset: Untitled

Last Altered: Monday, April 05, 2021 13:51:03 Pacific Daylight Time
Printed: Monday, April 05, 2021 13:51:07 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57
Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

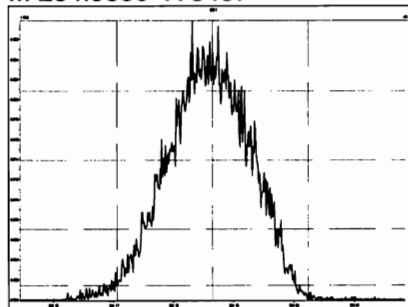
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210401R2_1	ST210401R2_1 1699 CS3 21C0402	01-Apr-21	11:59:05
2	210401R2_2	GC210401R2_1 1699 GC BREAK	01-Apr-21	12:49:05
3	210401R2_3	SOLVENT BLANK	01-Apr-21	13:38:29
4	210401R2_4	2103100-02 RAB-RB-2103091709 1.00824	01-Apr-21	14:23:14

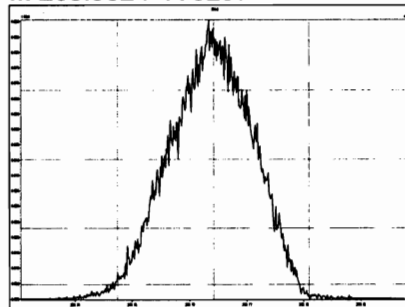
File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Thursday, April 01, 2021 11:55:23 Pacific Daylight Time

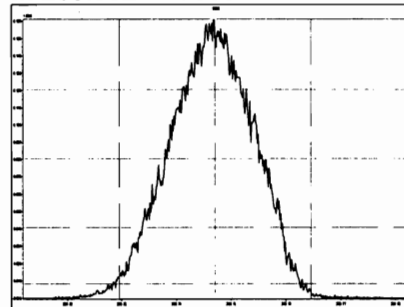
M 254.9856 R 8437



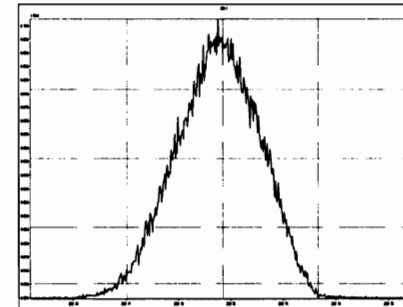
M 268.9824 R 8297



M 280.9824 R 8332



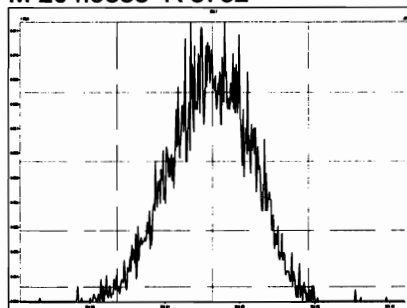
M 292.9824 R 8032



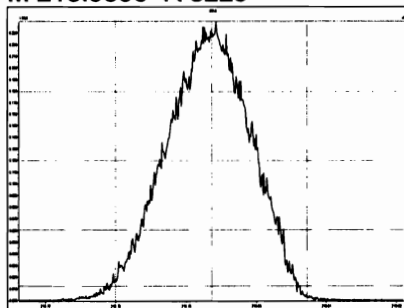
File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 2 @ 250 (ppm)

Printed: Thursday, April 01, 2021 11:56:11 Pacific Daylight Time

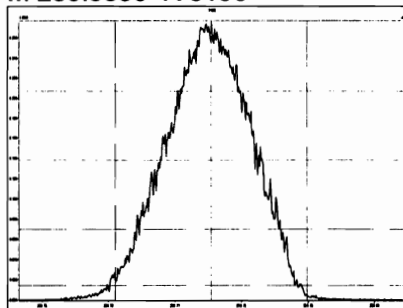
M 204.9888 R 8732



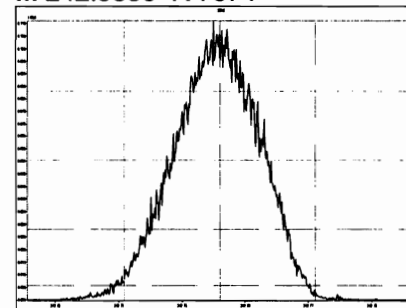
M 218.9856 R 8229



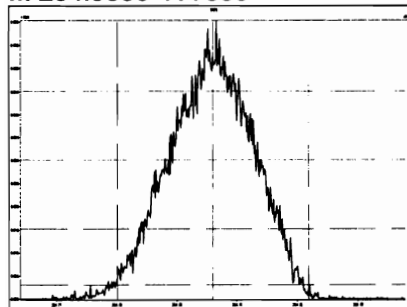
M 230.9856 R 8196



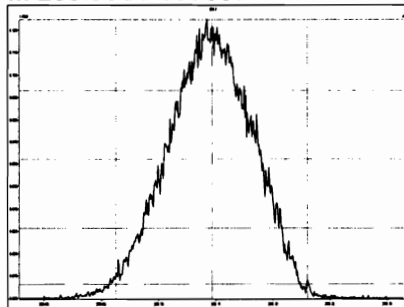
M 242.9856 R 7874



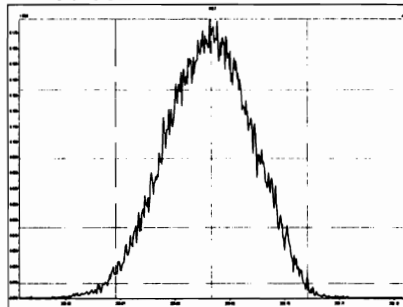
M 254.9856 R 7999



M 268.9824 R 7997

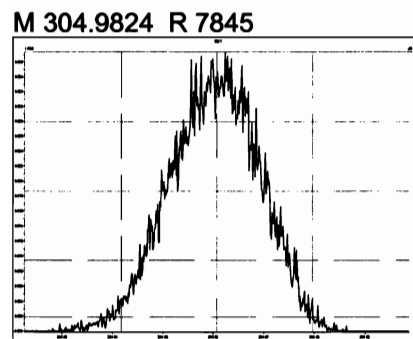
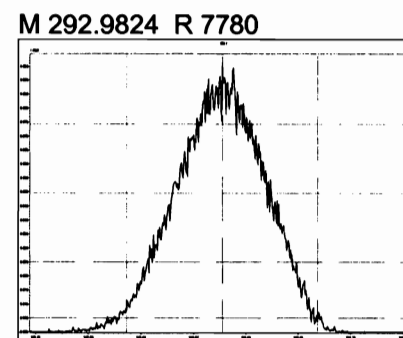
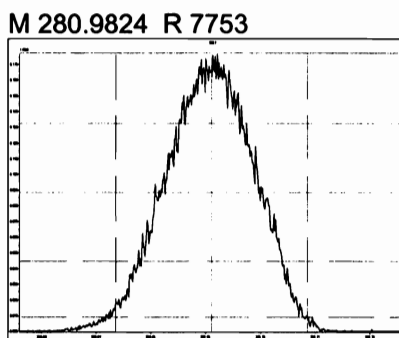
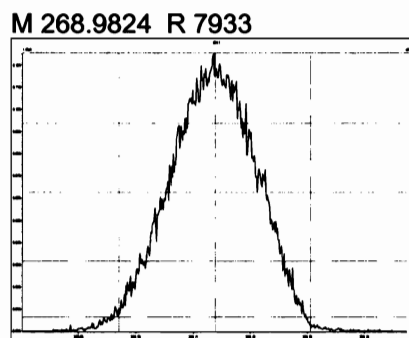
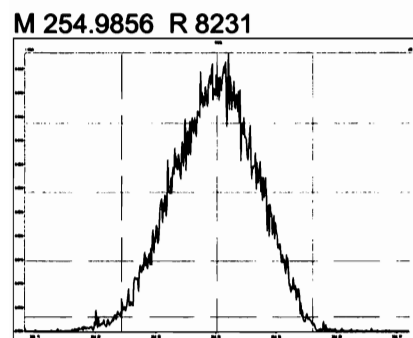
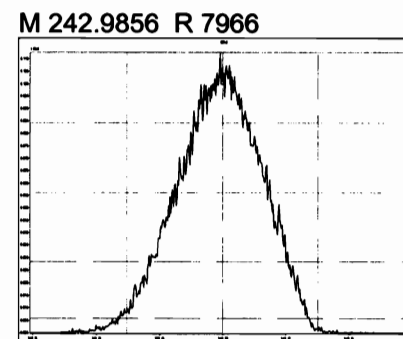
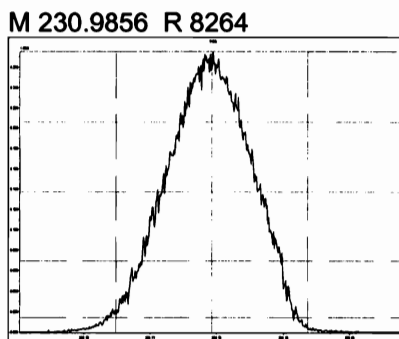
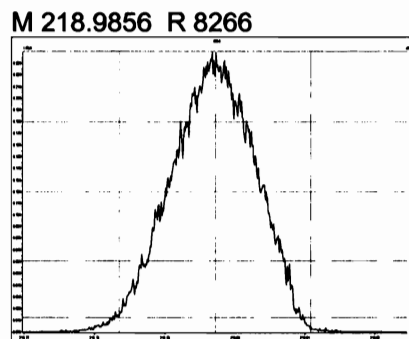
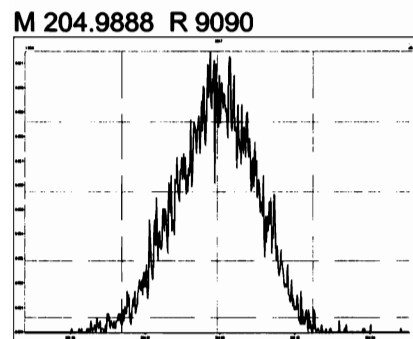


M 280.9824 R 7783



File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Thursday, April 01, 2021 11:56:44 Pacific Daylight Time

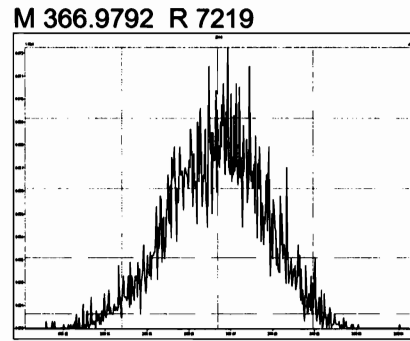
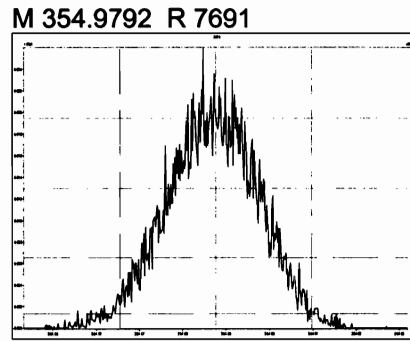
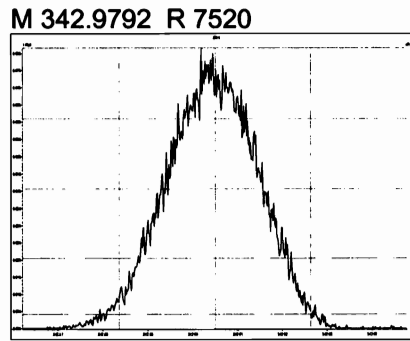
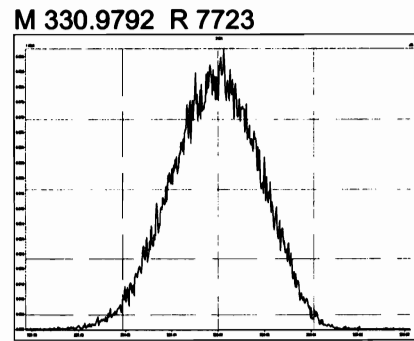
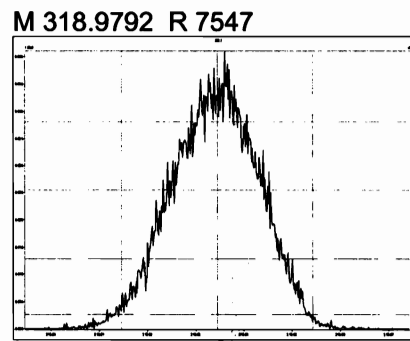
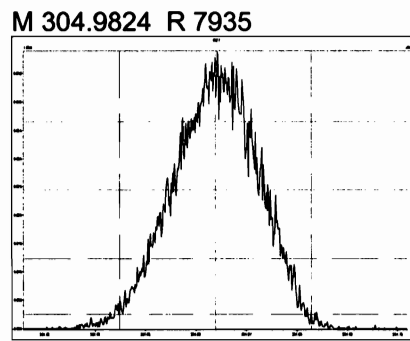
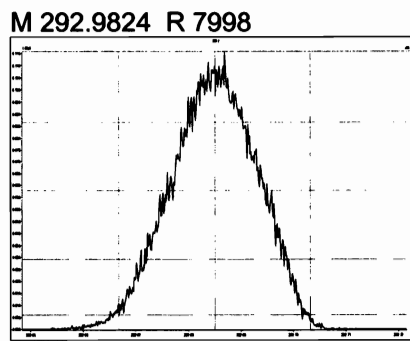
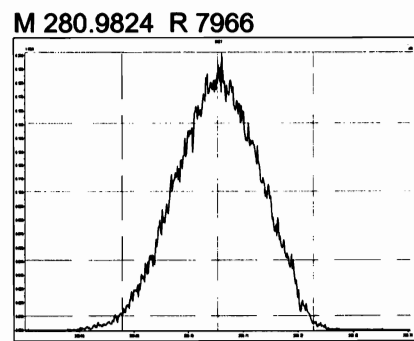
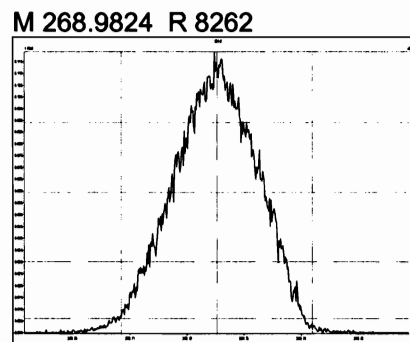
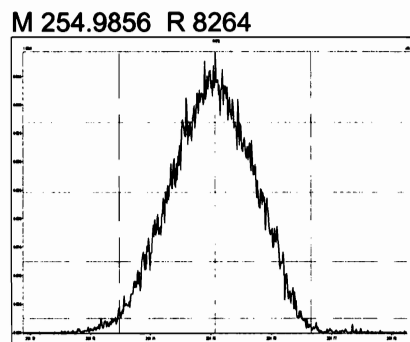
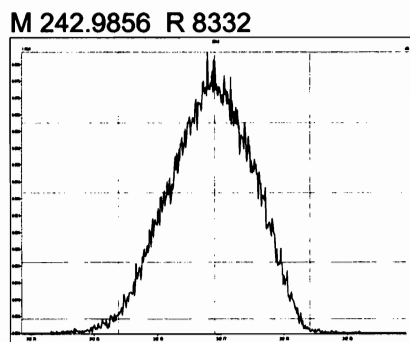
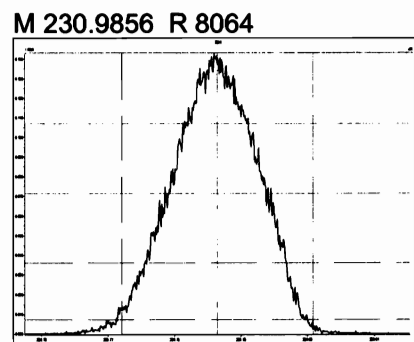


Experiment Calibration Report

MassLynx 4.1 SCN815

File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

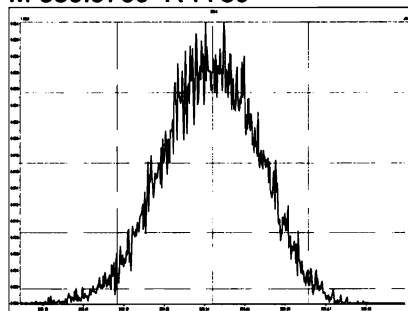
Printed: Thursday, April 01, 2021 11:57:25 Pacific Daylight Time



File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

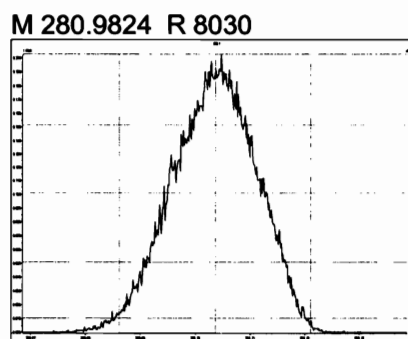
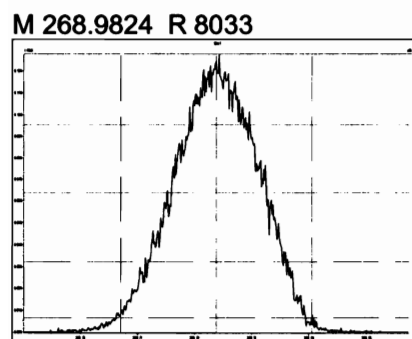
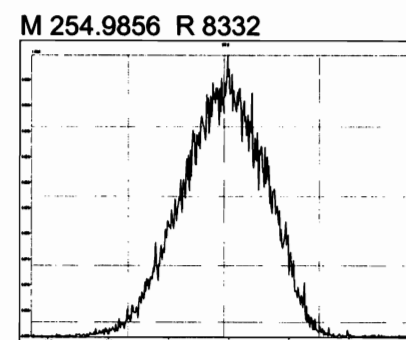
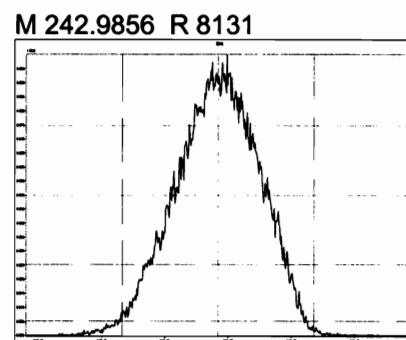
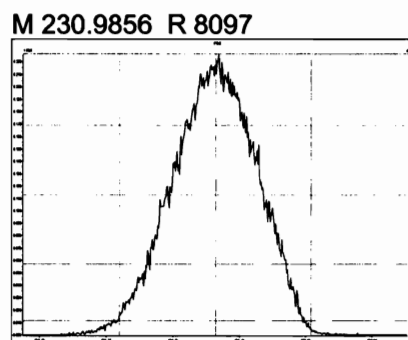
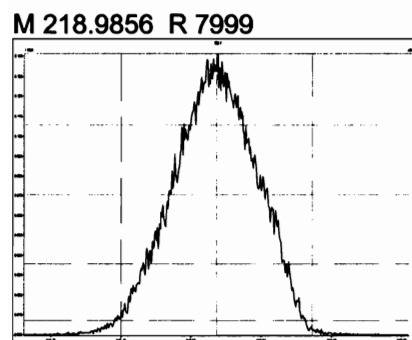
Printed: Thursday, April 01, 2021 11:57:25 Pacific Daylight Time

M 380.9760 R 7780



File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 5 @ 250 (ppm)

Printed: Thursday, April 01, 2021 11:57:58 Pacific Daylight Time



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_GCBREAK.qld

Last Altered: Thursday, April 01, 2021 1:41:39 PM Pacific Daylight Time
Printed: Tuesday, April 06, 2021 10:01:30 AM Pacific Daylight Time

WIN 04/06/21

Method: U:\VG12.PRO\MethDB\1699_GC-break.mdb 13 Jan 2021 17:29:44

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

Name: 210401R2_2, Date: 01-Apr-2021, Time: 12:49:05, ID: GC210401R1_1 1699 GC BREAK, Description: GC BREAK

#	Name	Peak	RA	n/y	RT
1	1 Endrin Aldehyde	3.24e3	0.61	NO	39.90
2	2 Endrin Ketone	2.37e3	0.71	NO	42.97
3	3 Endrin	6.23e4	1.60	NO	37.71
4	4 4,4'-DDE				
5	5 4,4'-DDD	2.01e4	1.27	NO	38.26
6	6 4,4'-DDT	6.11e5	1.46	NO	39.34

$$\frac{EA + EK}{E} \times 100 = 9.00\%$$

$$\frac{DDE + DDD}{DDT} \times 100 = 3.29\%$$

Dataset: U:\VG12.PRO\Results\210401R2\210401R2_GCBREAK.qld

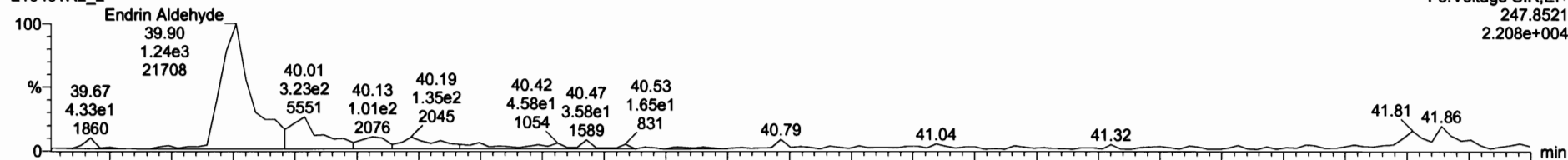
Last Altered: Thursday, April 01, 2021 13:34:06 Pacific Daylight Time
Printed: Thursday, April 01, 2021 13:34:39 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1699_GC-break.mdb 13 Jan 2021 17:29:44
Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

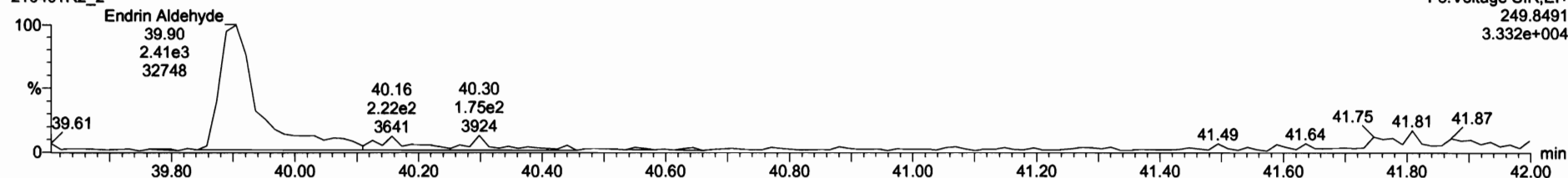
Name: 210401R2_2, Date: 01-Apr-2021, Time: 12:49:05, ID: GC210401R1_1 1699 GC BREAK, Description: GC BREAK

Endrin Aldehyde

210401R2_2

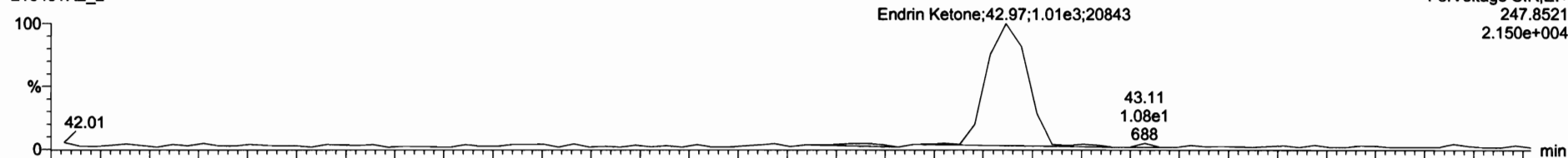


210401R2_2

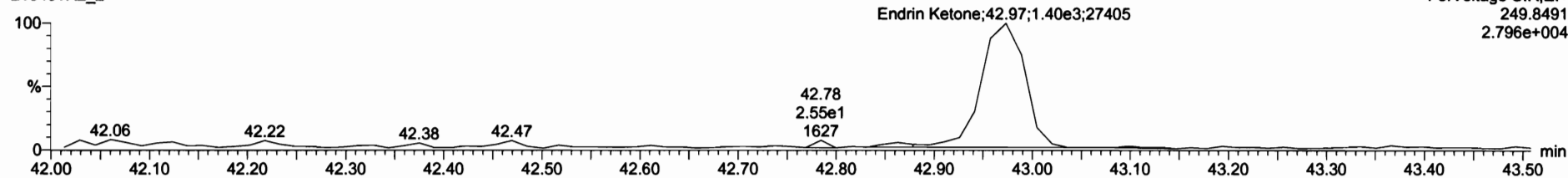


Endrin Ketone

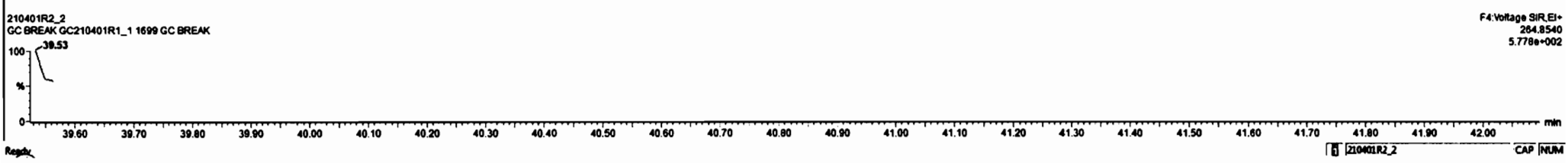
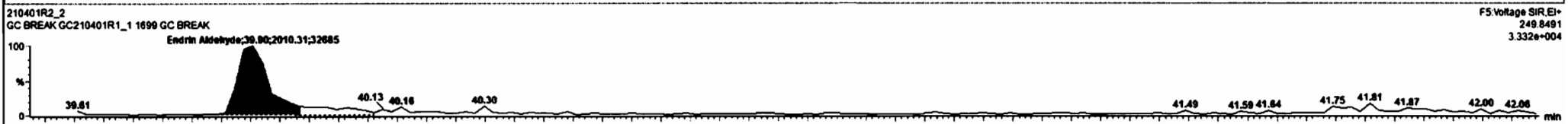
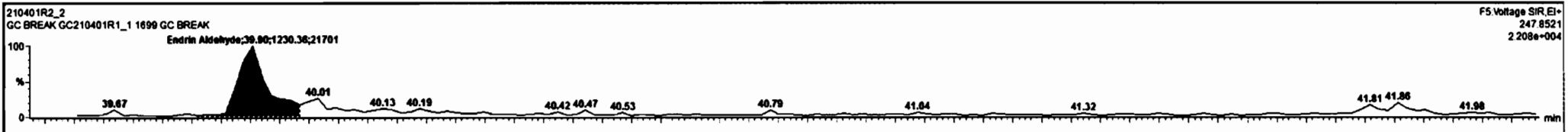
210401R2_2



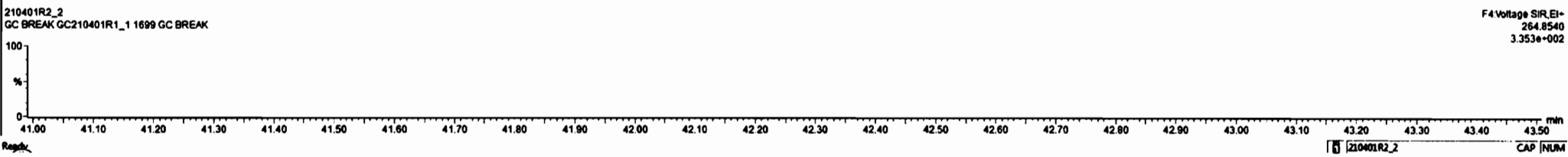
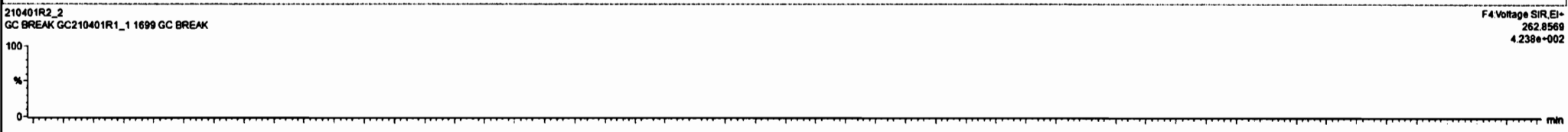
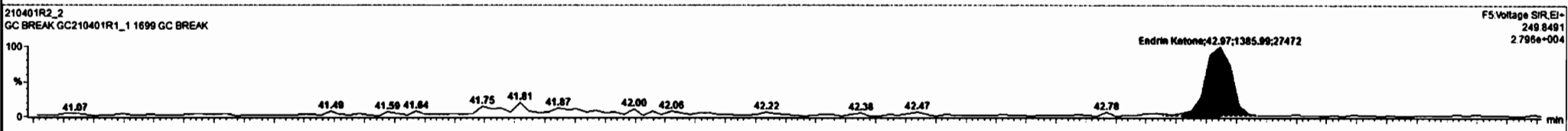
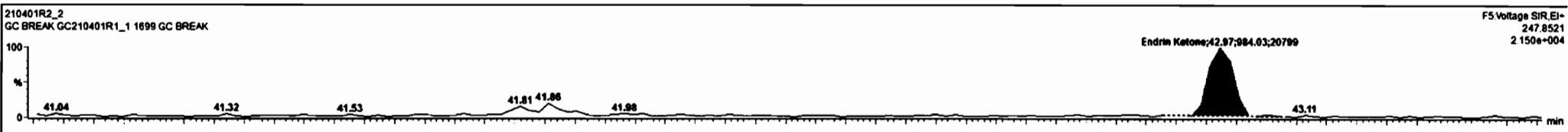
210401R2_2



Peak	Name	Area	Height	Width	Retention	Abundance	Integration	Integration	Integration	Integration
2	Endrin Ketone	2.41e3	0.72	NO	1.000	42.97	0.000			
3	Endrin	8.23e4	1.80	NO	1.000	37.71	0.000			
4	4,4'-DDE	3.15e3	1.16	YES	1.000	35.83	0.000			
5	4,4'-DDD	2.16e4	1.29	NO	1.000	38.28	0.000			
6	4,4'-DDT	6.11e5	1.48	NO	1.000	39.34	0.000			
7	PFKA				1.000					
8	PFKS									



#	Name	Retp	RA	aly	RRF	IntVol	RT	RWT	Conc.	%Ret	DL	EMPC
1	Endrin Aldehyde	3.24e3	0.61	NO		1.000	39.90	0.000				
2	Endrin	6.23e4	1.60	NO		1.000	37.71	0.000				
4	4,4'-DDE	3.15e3	1.16	YES		1.000	35.83	0.000				
6	4,4'-DDD	2.16e4	1.29	NO		1.000	38.26	0.000				
8	4,4'-DDT	6.11e5	1.46	NO		1.000	39.34	0.000				
7	PFK4					1.000						
8	PFK5											



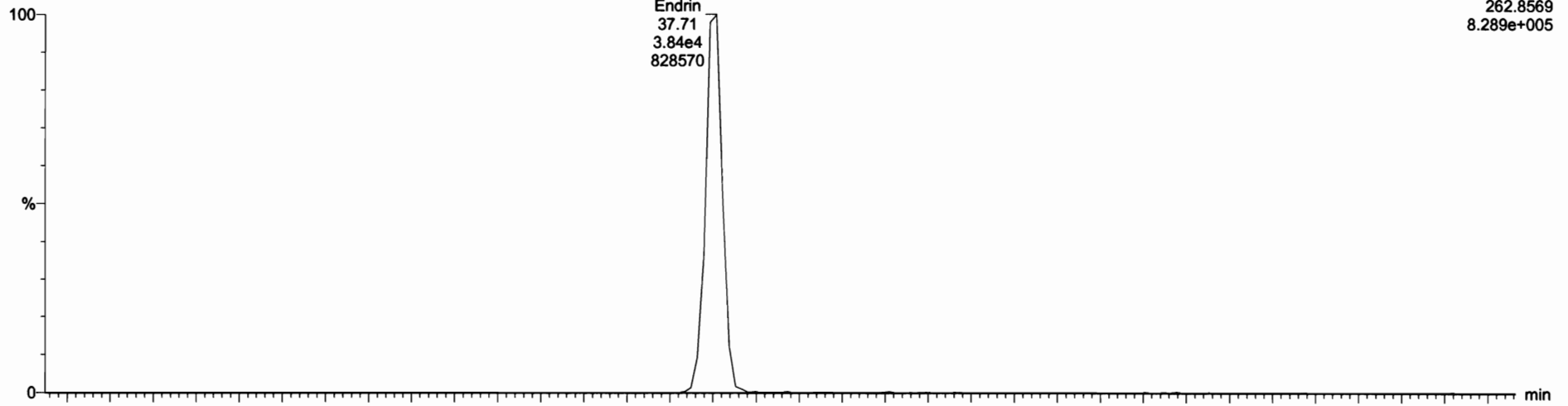
Dataset: U:\VG12.PRO\Results\210401R2\210401R2_GCBREAK.qld

Last Altered: Thursday, April 01, 2021 13:34:06 Pacific Daylight Time
Printed: Thursday, April 01, 2021 13:34:39 Pacific Daylight Time

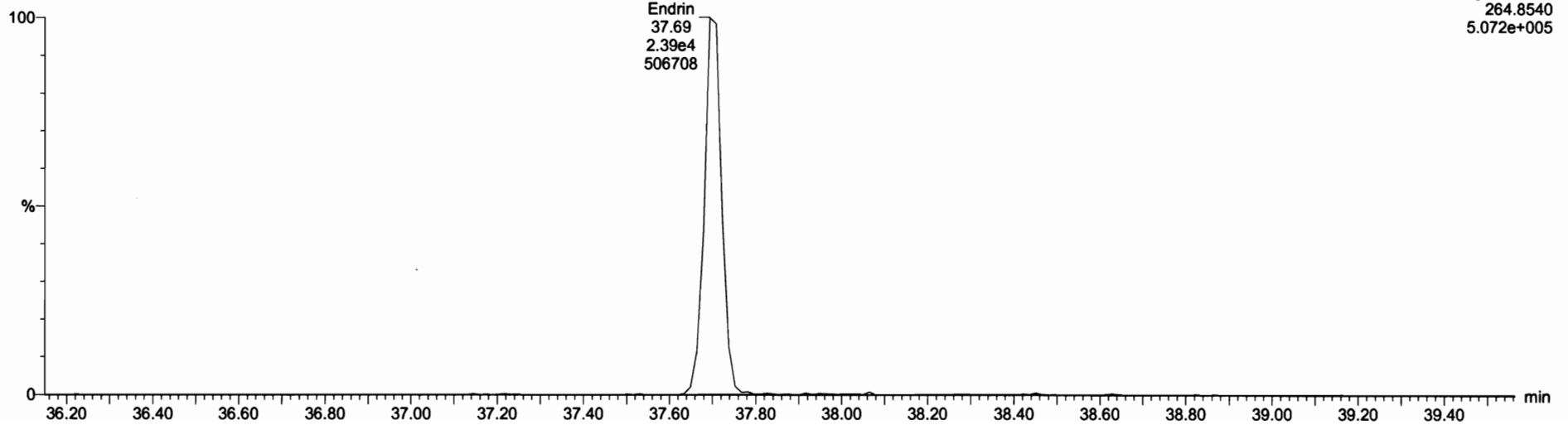
Name: 210401R2_2, Date: 01-Apr-2021, Time: 12:49:05, ID: GC210401R1_1 1699 GC BREAK, Description: GC BREAK

Endrin

210401R2_2



210401R2_2



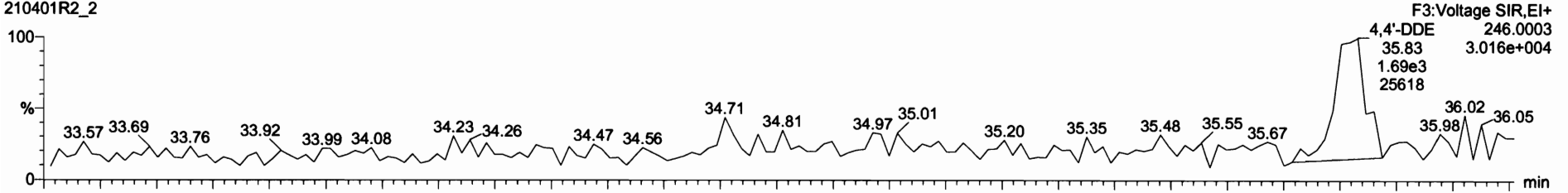
Dataset: U:\VG12.PRO\Results\210401R2\210401R2_GCBREAK.qld

Last Altered: Thursday, April 01, 2021 13:34:06 Pacific Daylight Time
Printed: Thursday, April 01, 2021 13:34:39 Pacific Daylight Time

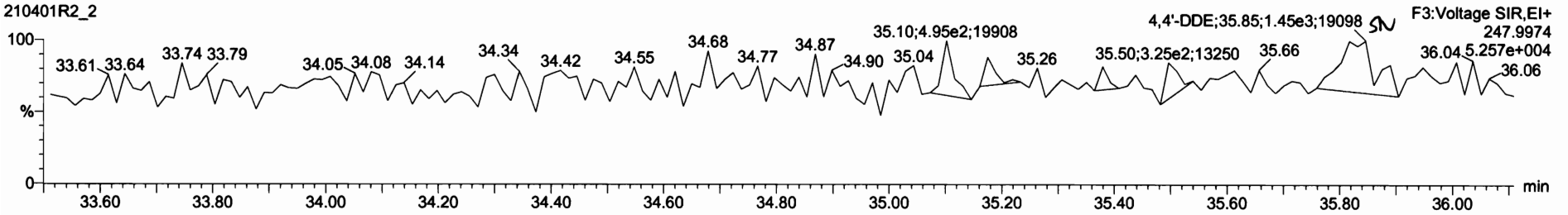
Name: 210401R2_2, Date: 01-Apr-2021, Time: 12:49:05, ID: GC210401R1_1 1699 GC BREAK, Description: GC BREAK

4,4'-DDE

210401R2_2

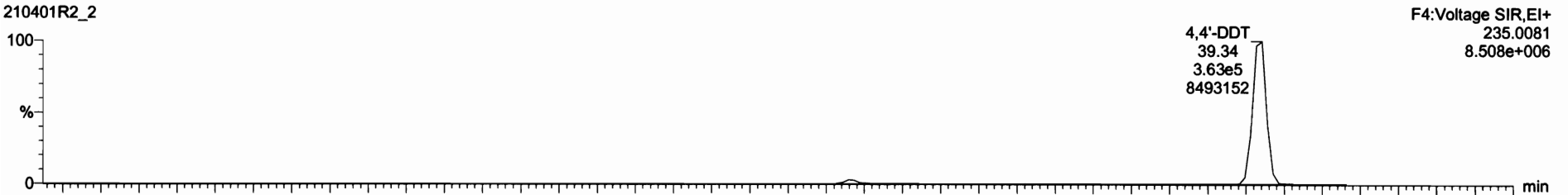


210401R2_2

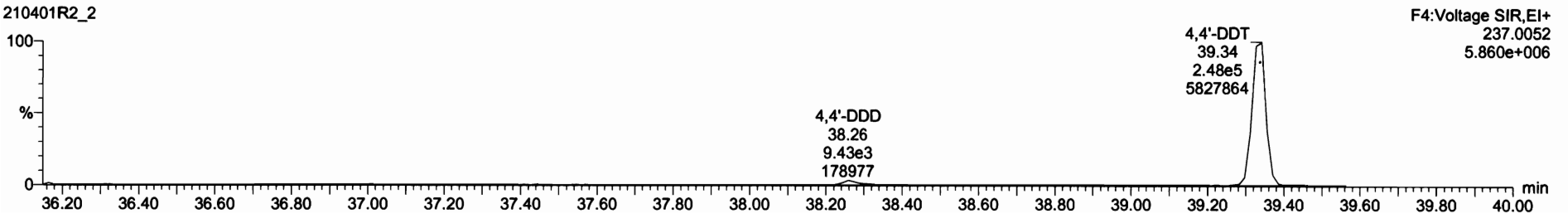


4,4'-DDD

210401R2_2



210401R2_2

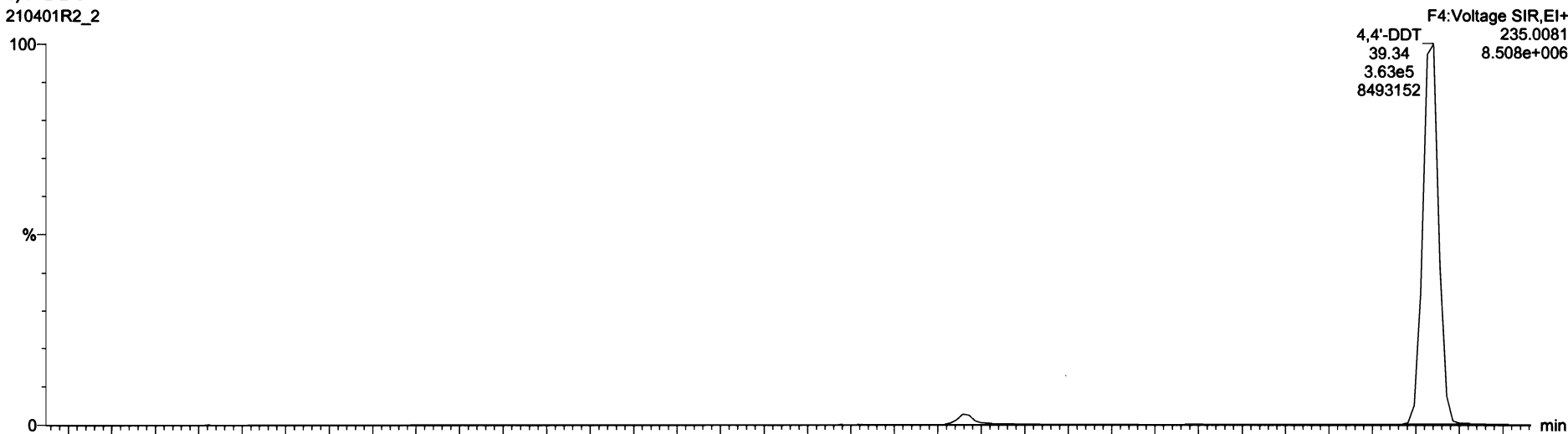


Dataset: U:\VG12.PRO\Results\210401R2\210401R2_GCBREAK.qld

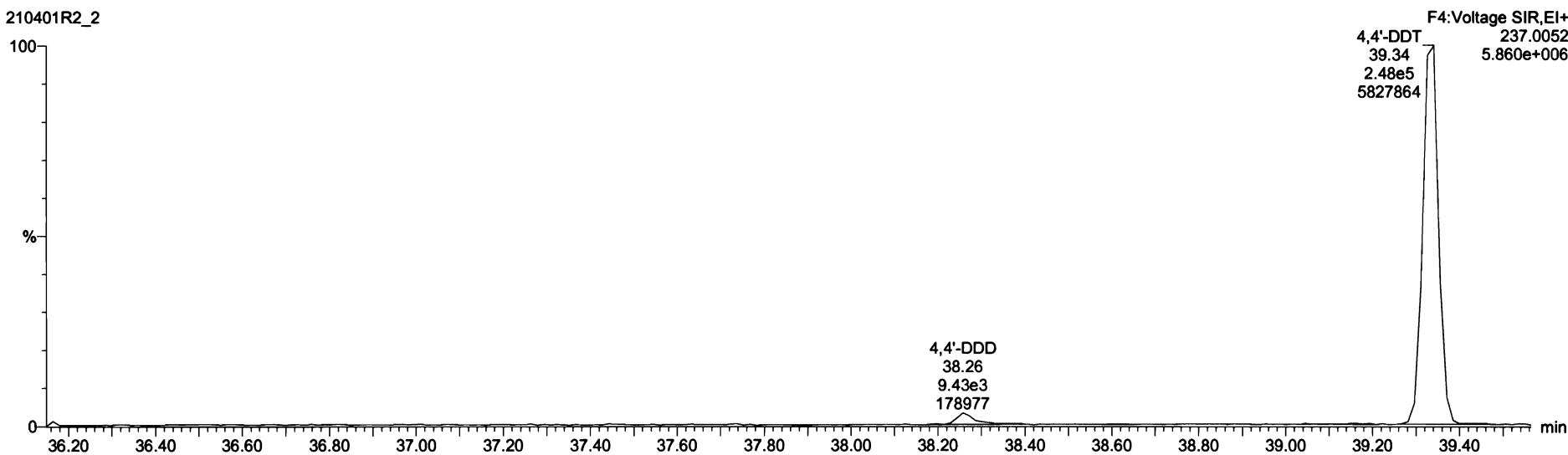
Last Altered: Thursday, April 01, 2021 13:34:06 Pacific Daylight Time
Printed: Thursday, April 01, 2021 13:34:39 Pacific Daylight Time

Name: 210401R2_2, Date: 01-Apr-2021, Time: 12:49:05, ID: GC210401R1_1 1699 GC BREAK, Description: GC BREAK

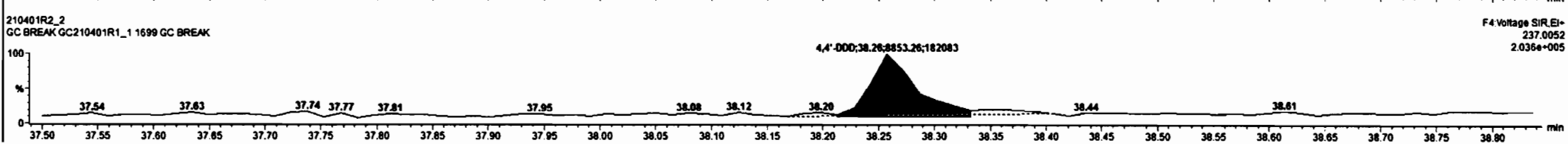
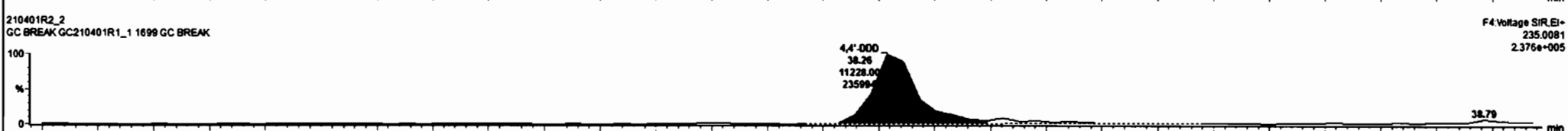
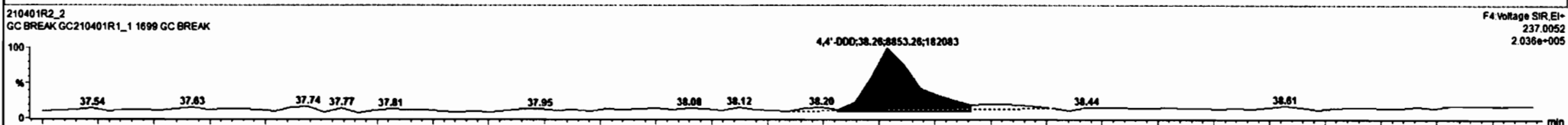
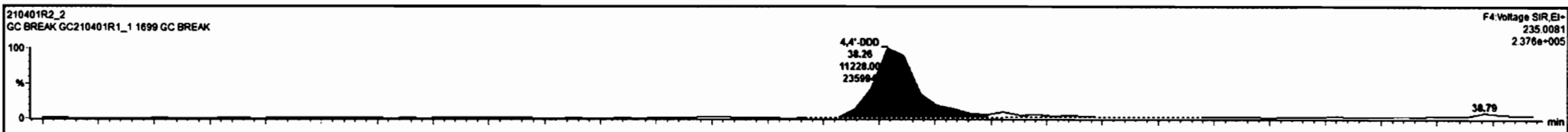
4,4'-DDT
210401R2_2



210401R2_2



RT	Name	Resp	EA	aly	RP	Integ	RT	RT	Chn	%Res	DL	EMPC
1	Endrin Aldehyde	3.24e3	0.61	NO		1.000	38.90	0.000				
2	Endrin Ketone	2.37e3	0.71	NO		1.000	42.97	0.000				
3	Endrin	6.23e4	1.60	NO		1.000	37.71	0.000				
4	4,4'-DDE					1.000						
5												
6	4,4'-DDT	6.11e5	1.48	NO		1.000	38.34	0.000				
7	PFKA											
8	PFKS											



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

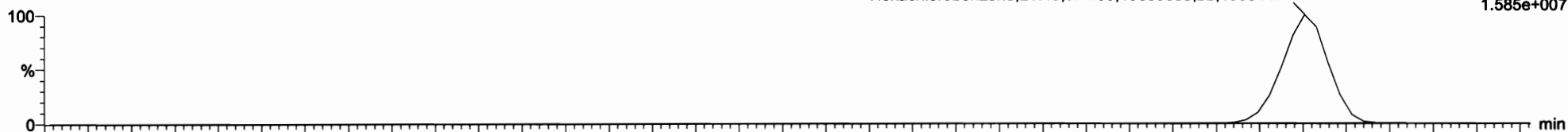
Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

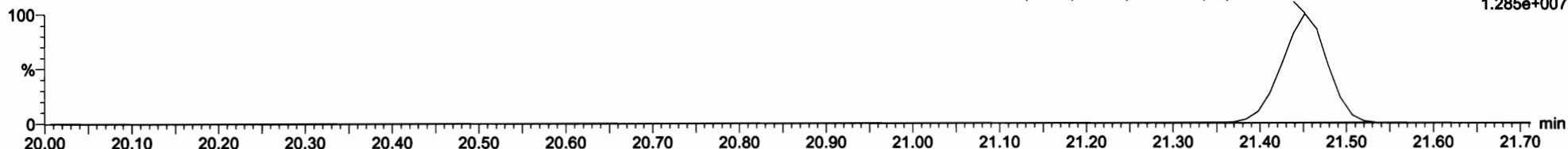
Hexachlorobenzene

210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402



F1:Voltage SIR,EI+
283.8102
1.585e+007

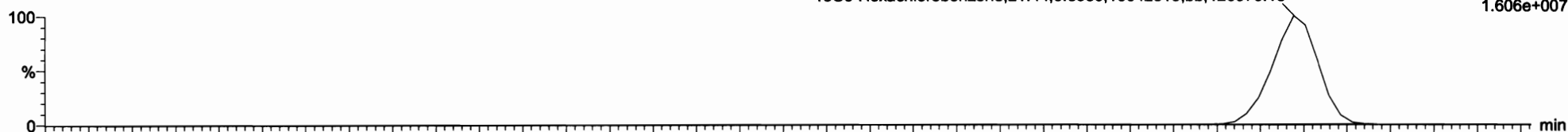
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402



F1:Voltage SIR,EI+
285.8072
1.285e+007

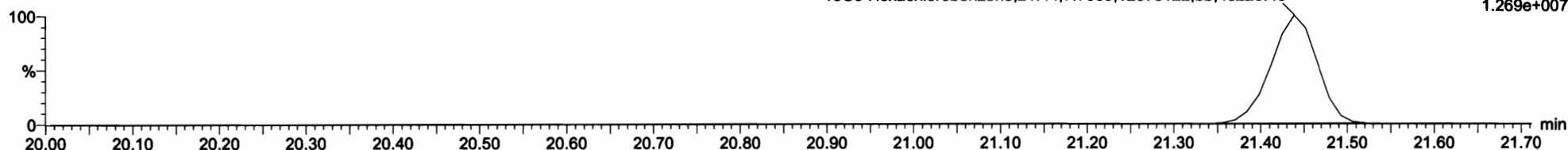
13C6-Hexachlorobenzene

210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402



F1:Voltage SIR,EI+
289.8303
1.606e+007

210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402



F1:Voltage SIR,EI+
291.8273
1.269e+007

Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

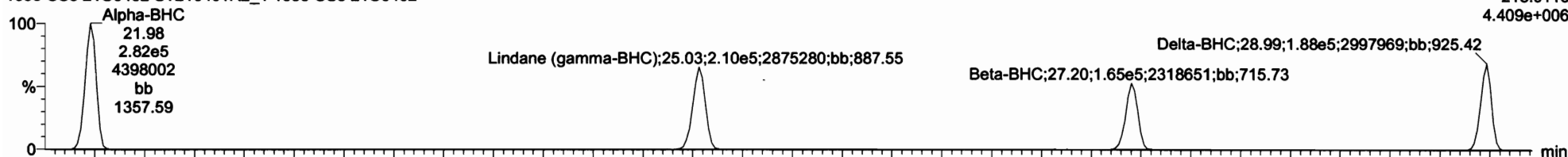
Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

BHC Totals

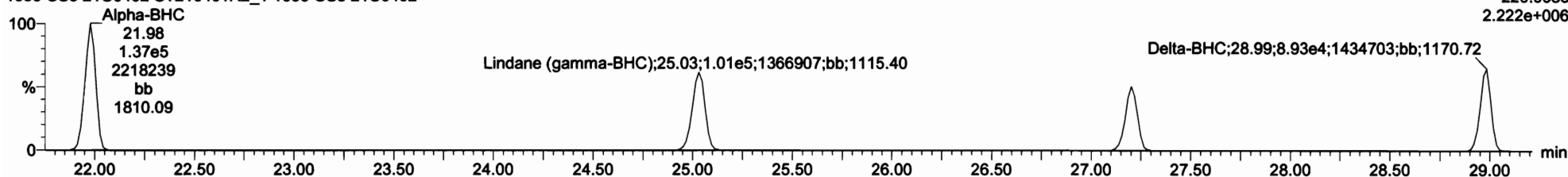
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F2:Voltage SIR,EI+
218.9116
4.409e+006



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

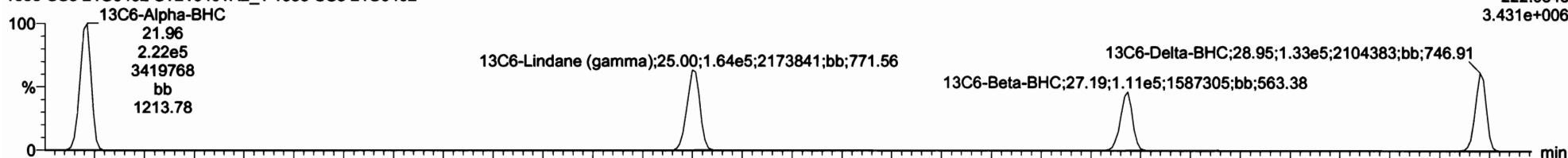
F2:Voltage SIR,EI+
220.9086
2.222e+006



BHC-isotopes

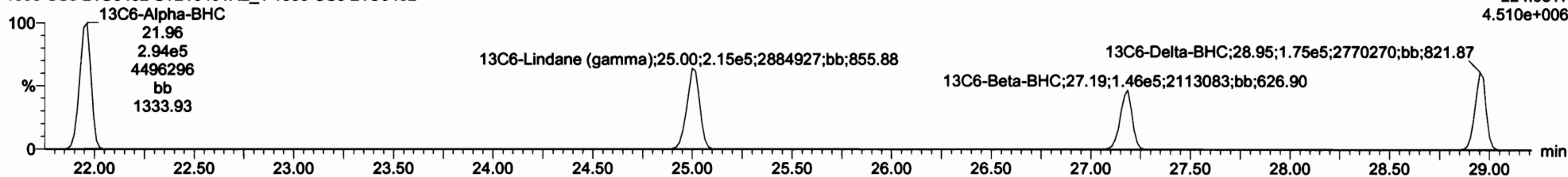
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F2:Voltage SIR,EI+
222.9346
3.431e+006



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F2:Voltage SIR,EI+
224.9317
4.510e+006

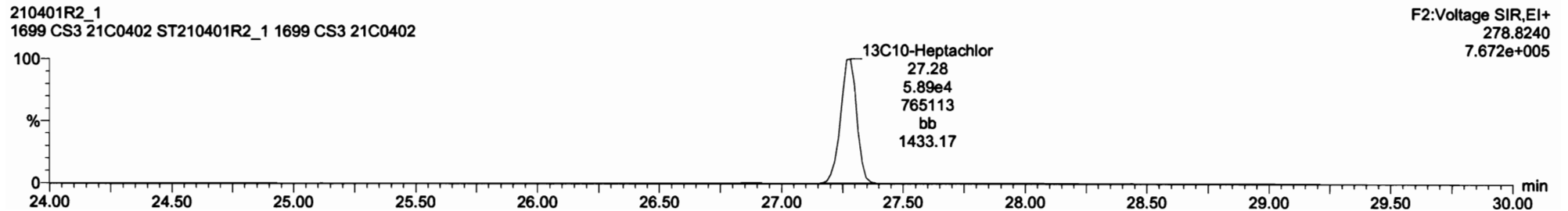
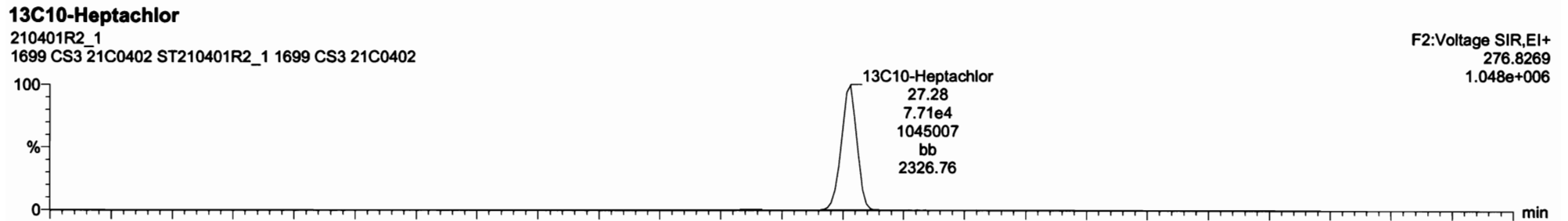
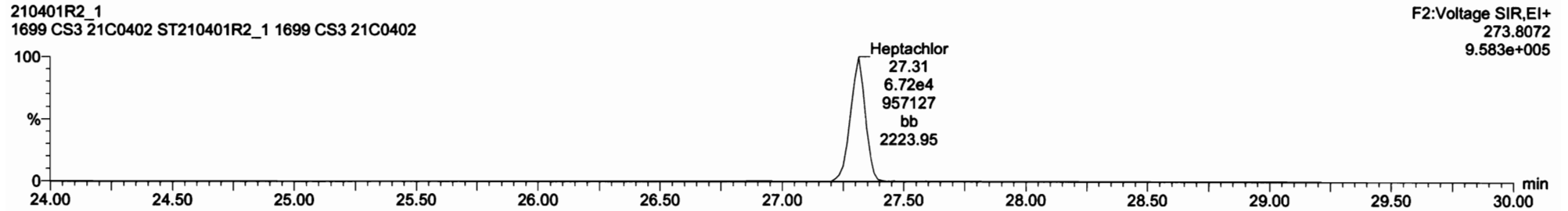
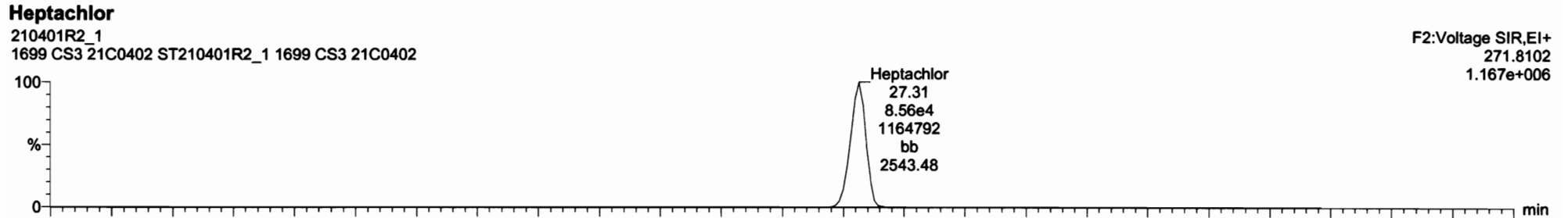


Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

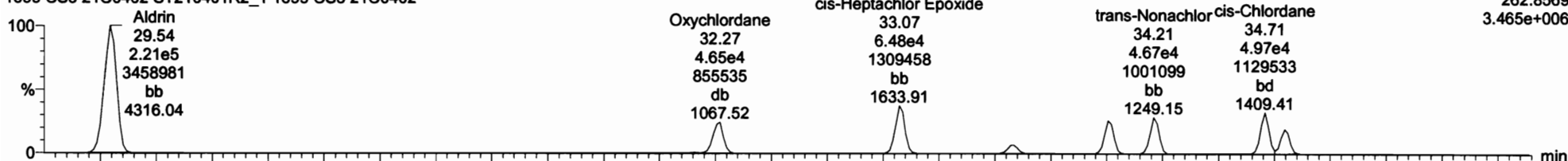
Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Aldrin-EI

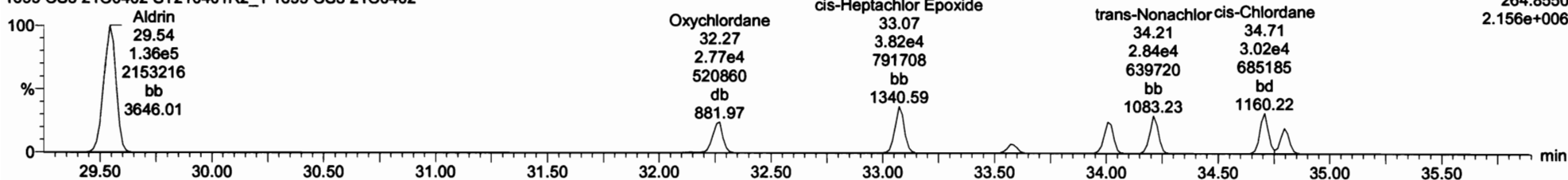
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
262.8569
3.465e+006



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

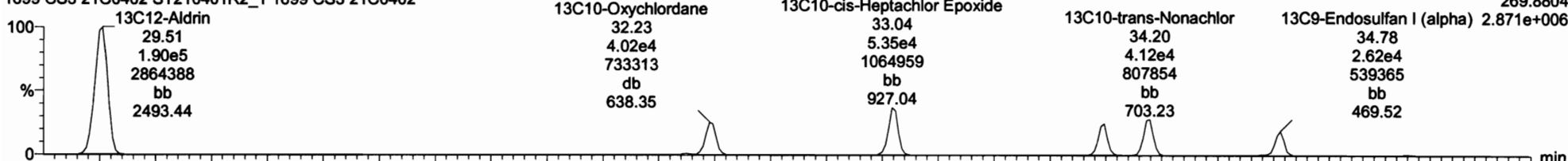
F3:Voltage SIR,EI+
264.8550
2.156e+006



Aldrin-EI-isotopes

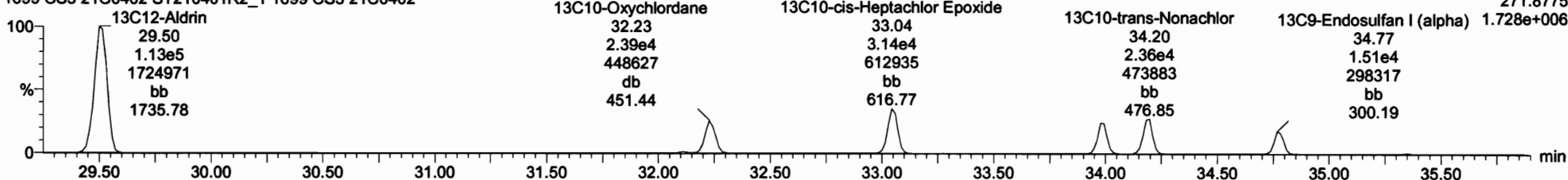
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
269.8804
2.871e+006



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
271.8775
1.728e+006



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

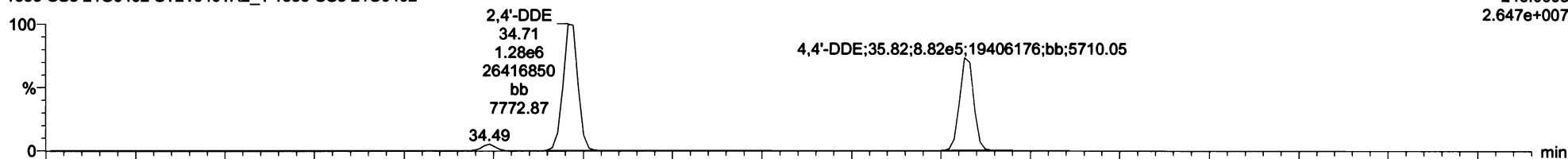
Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDMU-DDE

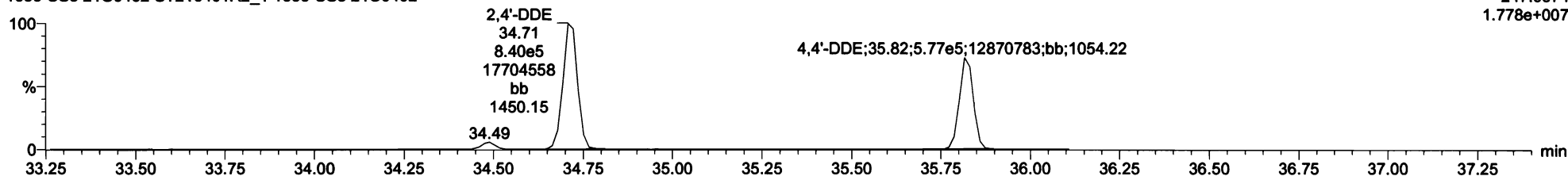
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
246.0003
2.647e+007



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

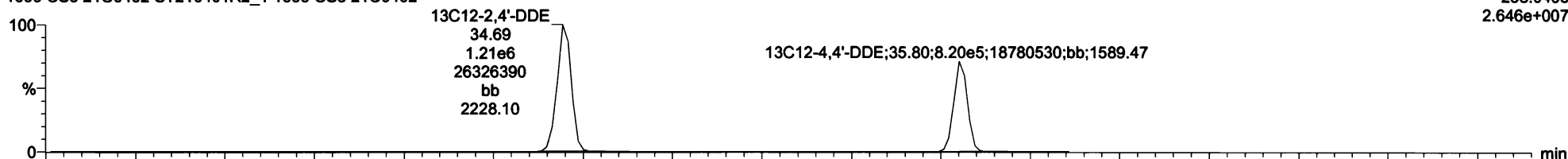
F3:Voltage SIR,EI+
247.9974
1.778e+007



DDE-isotopes

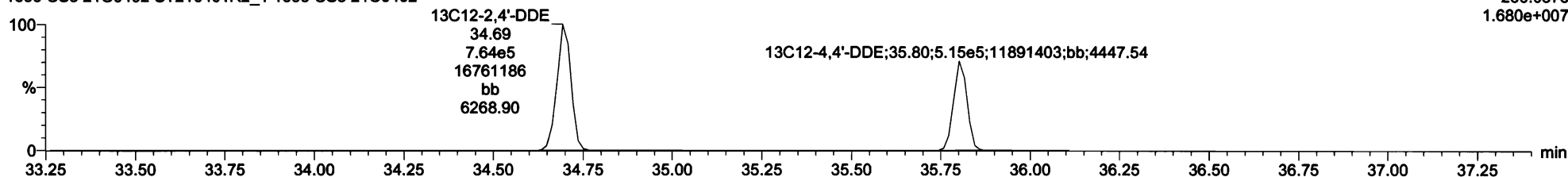
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
258.0406
2.646e+007



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
260.0376
1.680e+007

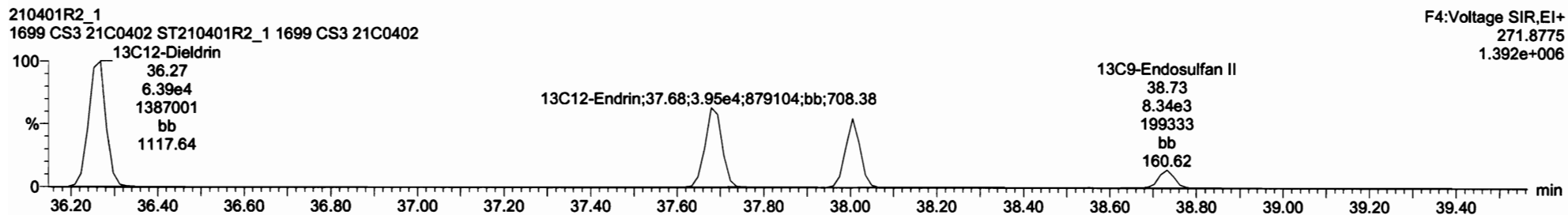
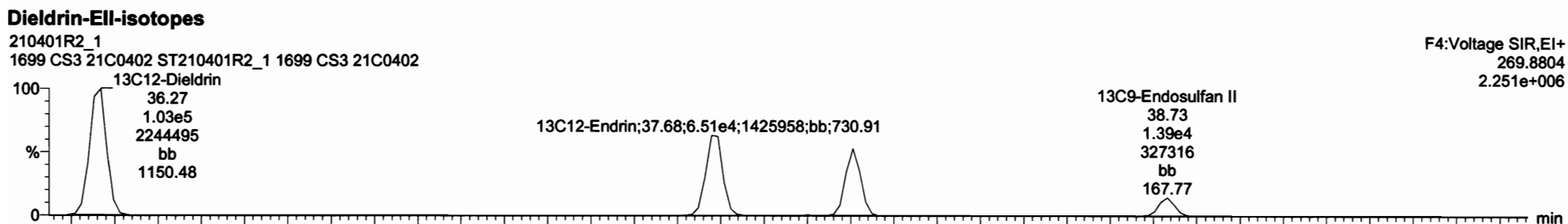
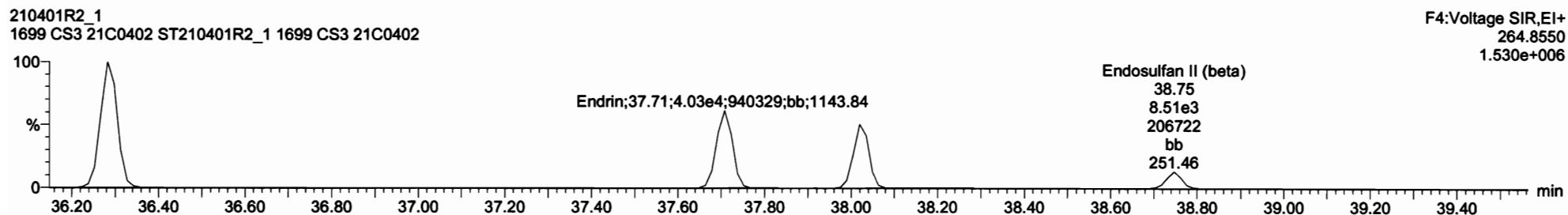
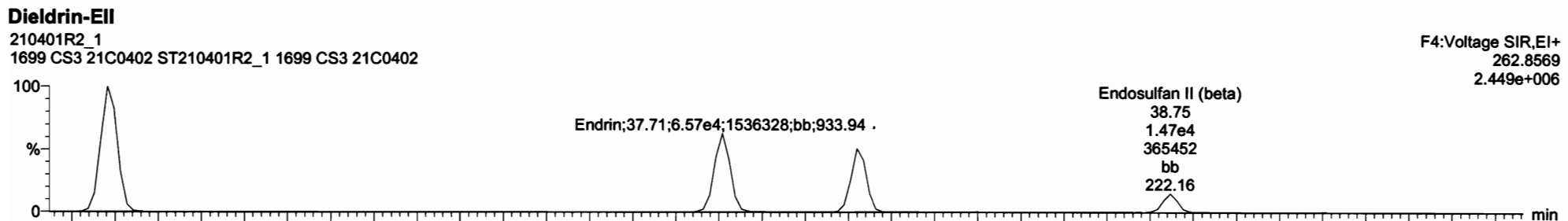


Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

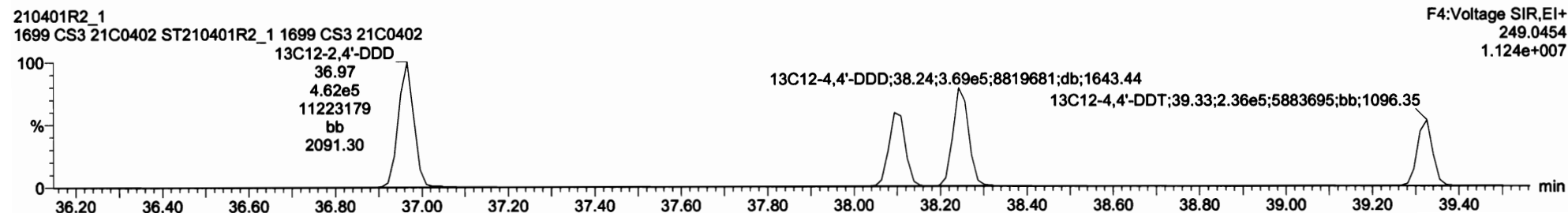
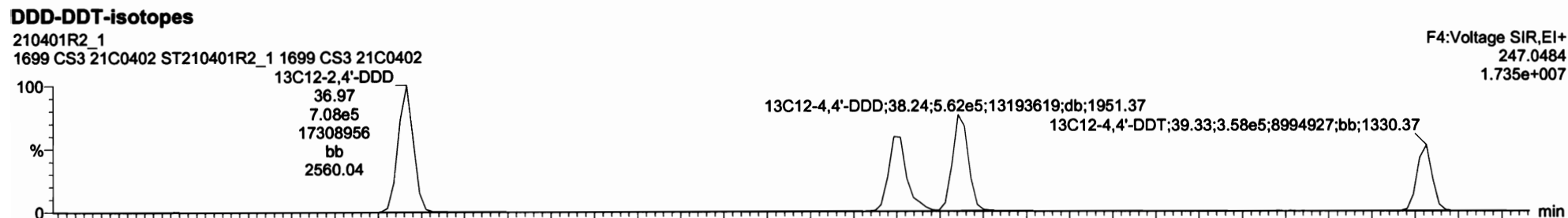
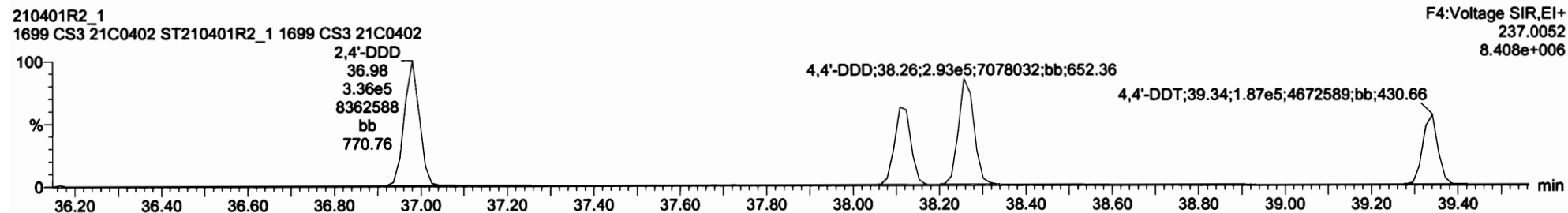
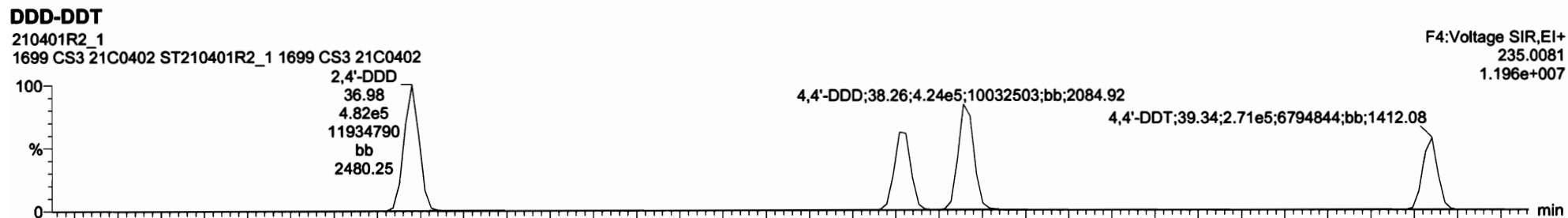


Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

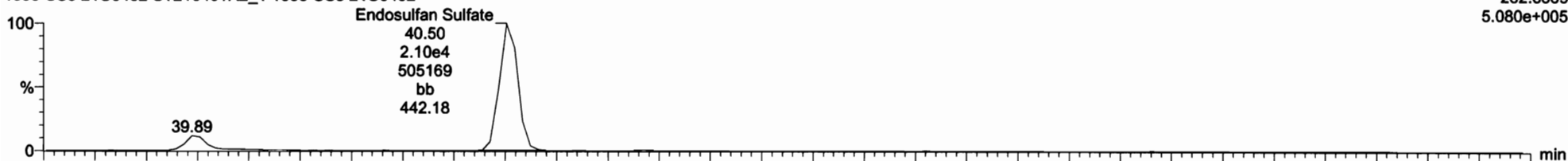
Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Endosulfan Sulfate

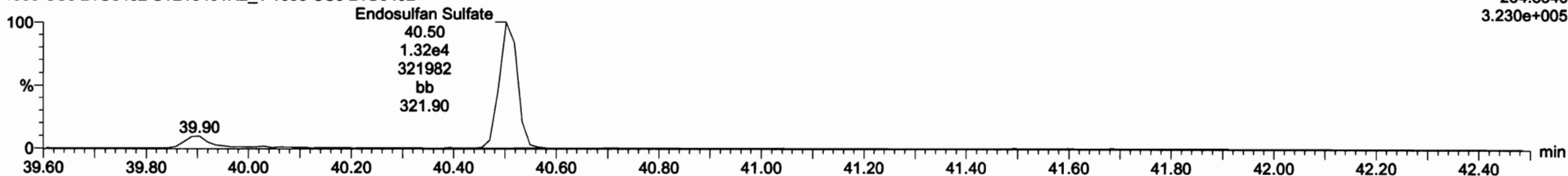
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
262.8569
5.080e+005



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

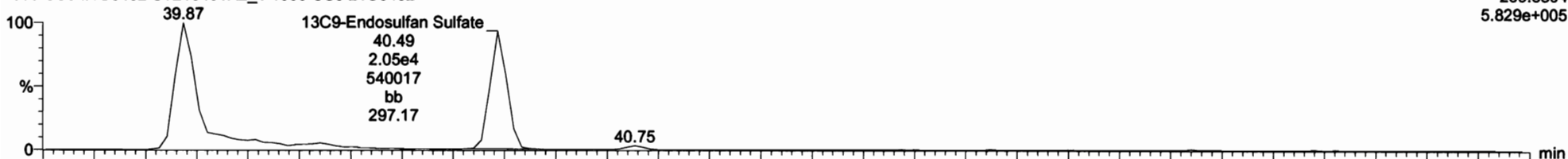
F5:Voltage SIR,EI+
264.8540
3.230e+005



13C9-Endosulfan Sulfate

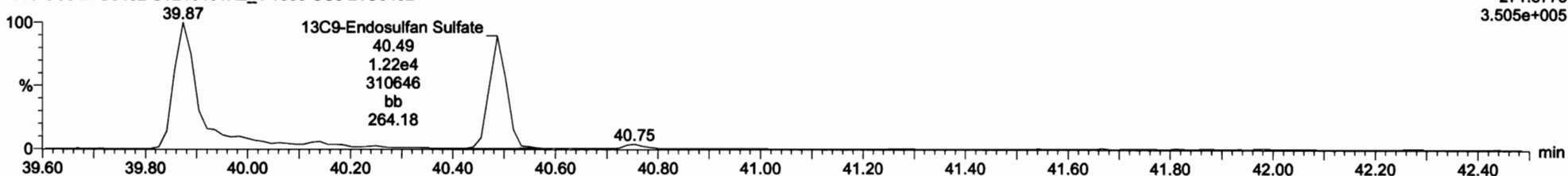
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
269.8804
5.829e+005



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
271.8775
3.505e+005



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-Methoxychlor

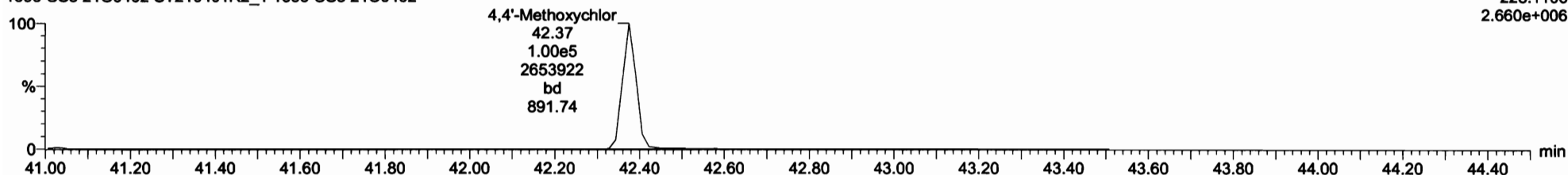
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
227.1072
1.471e+007



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
228.1106
2.660e+006



13C12-Methoxychlor

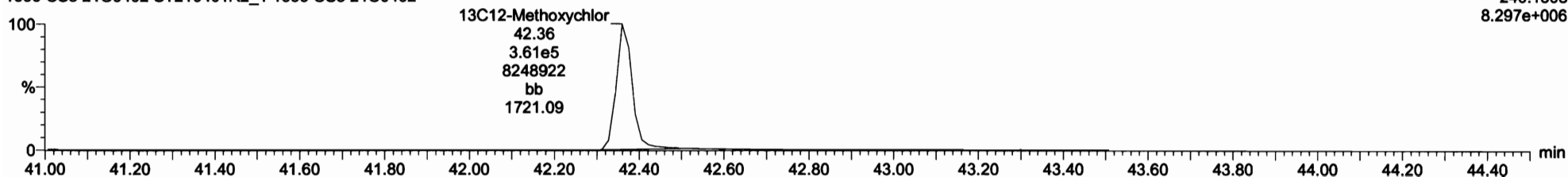
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
239.1475
1.615e+008

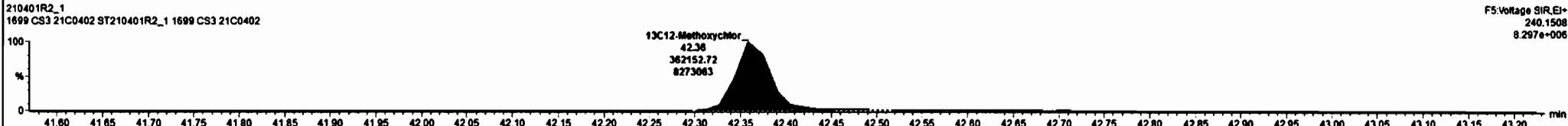
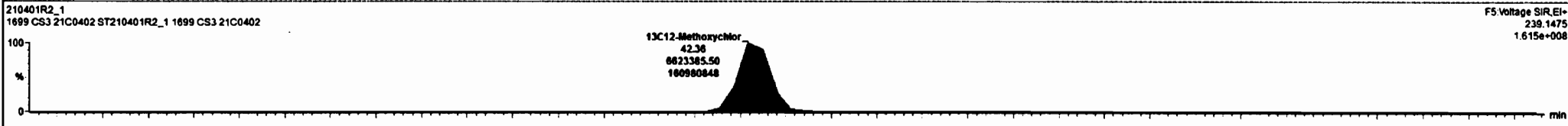
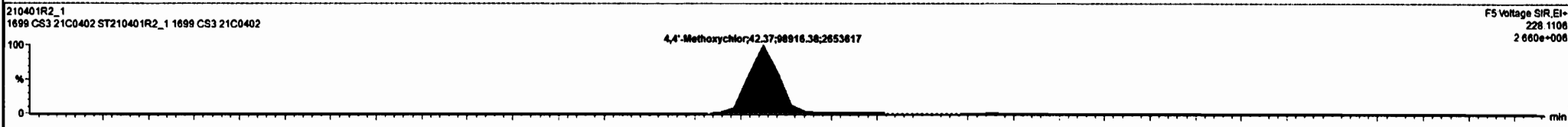
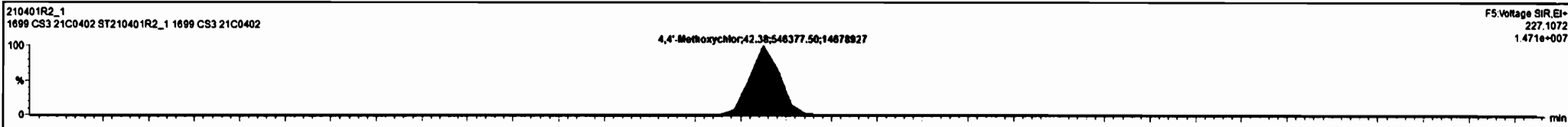


210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
240.1508
8.297e+006



#	#	Name	Comp	IS Ratio	Int	RA	inj	RP	WMS	ProdRT	RT	RRT	ProdRRT	Check RRT	Conc	Area	DL	EMPC
17	17	4,4'-DDMU	7.69e5	1.99e5	46	2.86	NO	0.4187	1.000	34.49	34.49	0.994	0.994	NO	46.5	92.9	0.0202	46.5
18	18	2,4'-DDE	2.12e6	1.98e6	46	1.52	NO	1.0066	1.000	34.70	34.71	1.000	1.000	NO	53.2	106	0.0452	53.2
19	19	4,4'-DDE	1.46e6	1.33e6	47	1.53	NO	1.0094	1.000	35.82	35.82	1.000	1.000	NO	54.1	108	0.0532	54.1
20	20	Dieldrin	1.78e5	1.66e5	48	1.59	NO	1.0010	1.000	36.29	36.28	1.000	1.000	NO	52.9	106	0.0846	52.9
21	21	Endrin	1.08e5	1.05e5	49	1.63	NO	0.9769	1.000	37.68	37.71	1.001	1.000	NO	51.9	104	0.138	51.9
22	22	cis-Nonachlor	8.32e4	7.82e4	50	1.61	NO	1.0113	1.000	38.02	38.02	1.000	1.000	NO	52.8	105	0.158	52.8
23	23	Endosulfan II (beta)	2.32e4	2.23e4	51	1.73	NO	1.0079	1.000	38.73	38.75	1.000	1.000	NO	51.7	103	0.585	51.7
24	24	2,4'-DDD	8.18e5	1.17e6	52	1.44	NO	0.7794	1.000	38.97	38.98	1.000	1.000	NO	44.8	89.7	0.0878	44.8
25	25	2,4'-DDT	5.54e5	7.95e5	53	1.44	NO	0.7506	1.000	38.11	38.11	1.000	1.000	NO	46.4	92.8	0.162	46.4
26	26	4,4'-DDD	7.18e5	9.31e5	54	1.45	NO	0.8433	1.000	38.28	38.28	1.000	1.000	NO	45.7	91.5	0.106	45.7
27	27	4,4'-DDT	4.57e5	5.94e5	55	1.45	NO	0.8412	1.000	38.35	38.34	1.000	1.000	NO	45.8	91.5	0.156	45.8
28	28	Endosulfan Sulfate	3.42e4	3.28e4	56	1.59	NO	1.0514	1.000	40.49	40.50	1.000	1.000	NO	49.8	99.7	0.298	49.8
29	29																	
30	30	Mirex	4.14e5	4.01e5	58	1.56	NO	0.9793	1.000	42.81	42.81	1.001	1.000	NO	52.7	105	0.0487	52.7
31	31	Endrin Aldehyde	7.48e4	7.99e5	59	0.62	NO	0.9721	1.000	39.89	39.90	1.001	1.000	NO	48.1	96.3	0.339	48.1



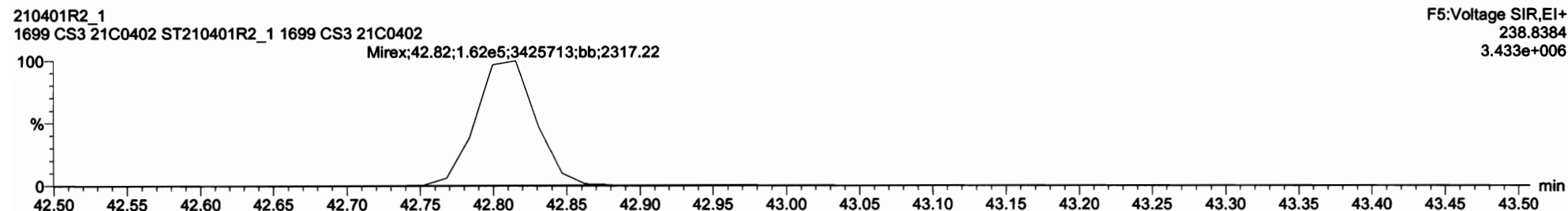
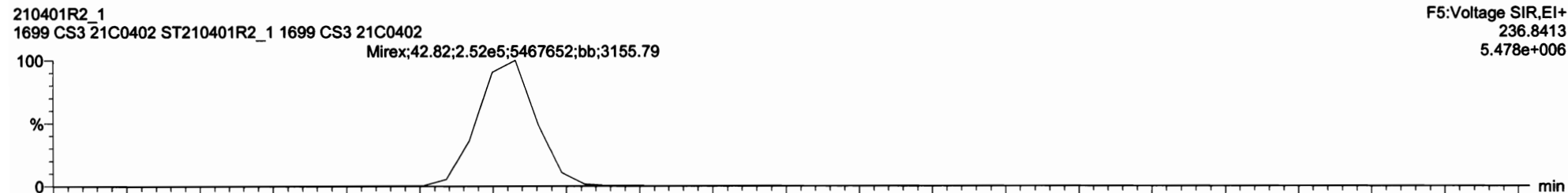
Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

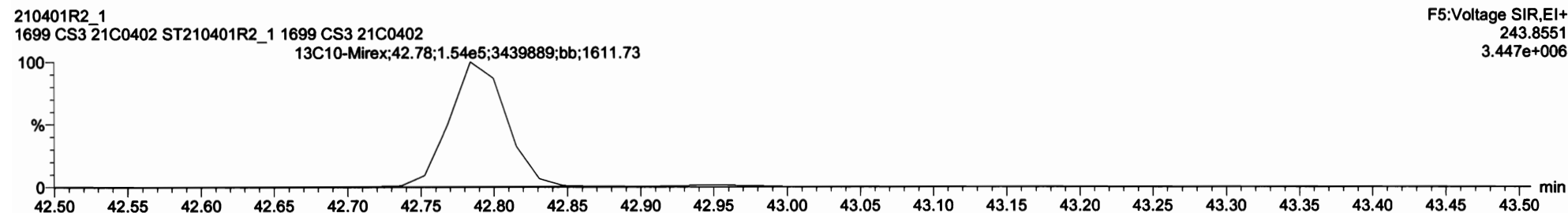
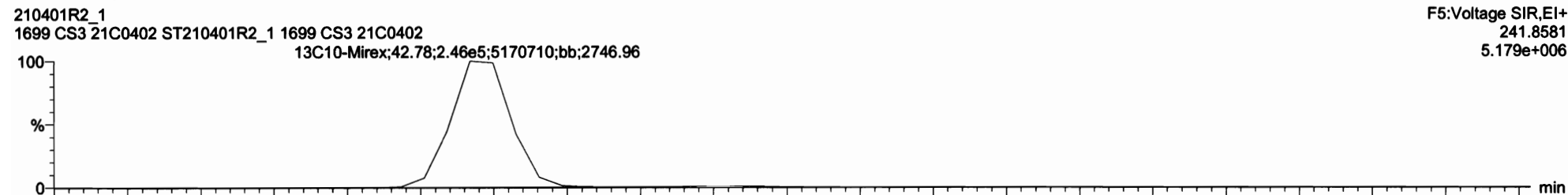
Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Mirex



13C10-Mirex



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

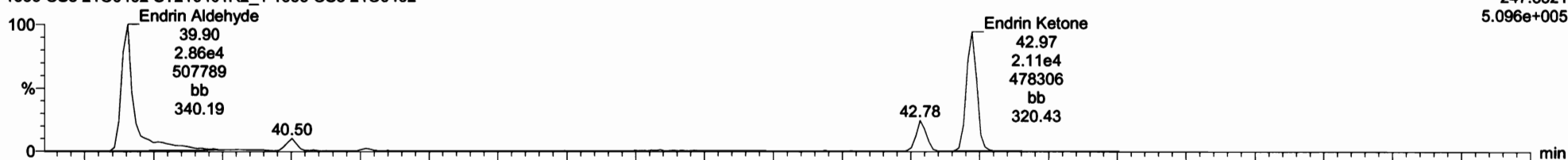
Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

EA-EK

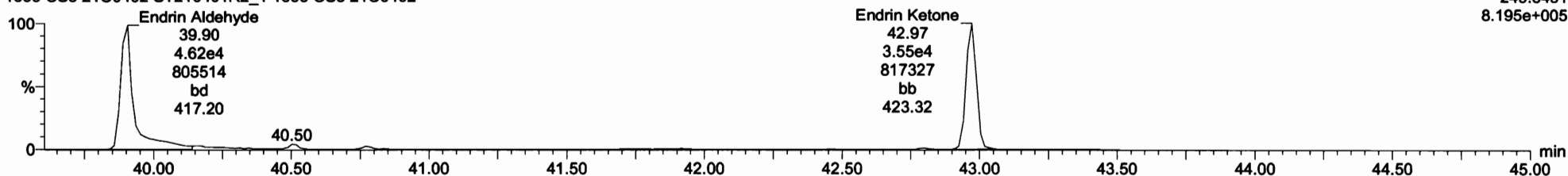
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
247.8521
5.096e+005



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

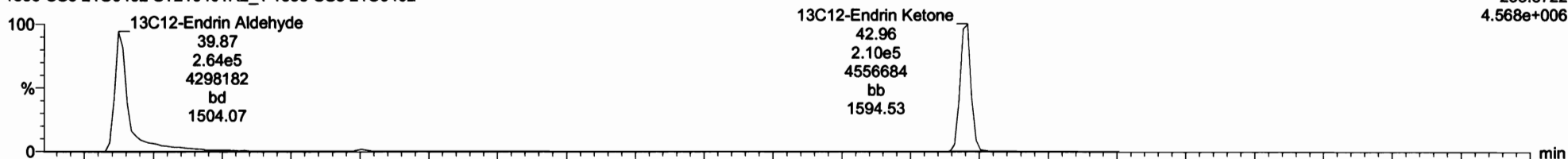
F5:Voltage SIR,EI+
249.8491
8.195e+005



EA-EK-isotopes

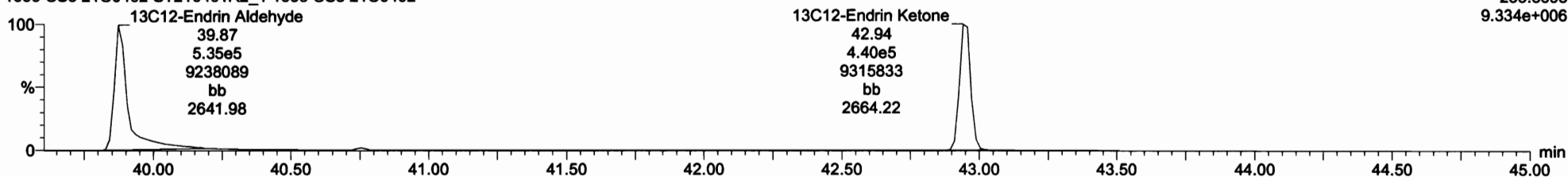
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
253.8722
4.568e+006

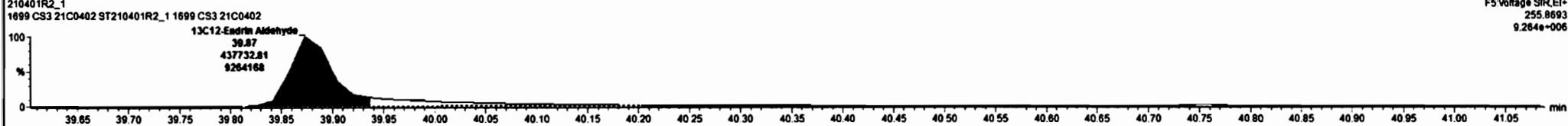
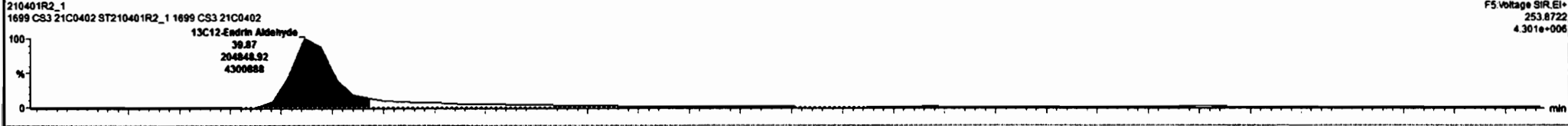
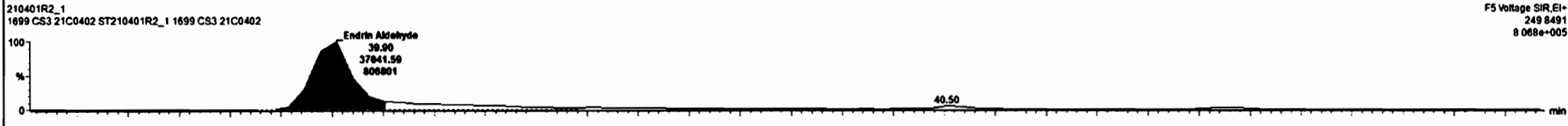
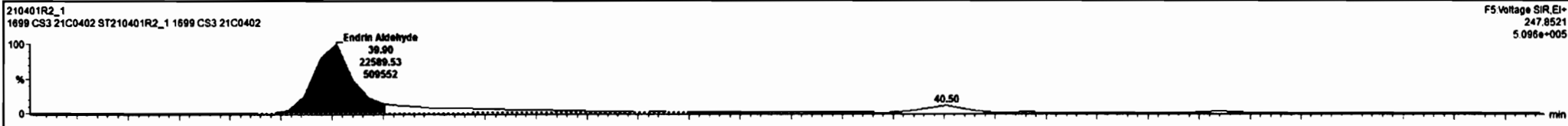


210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F5:Voltage SIR,EI+
255.8693
9.334e+006



#	Name	Resp	IS Resp	RF	RA	sy	RF	wt/wt	Prod.RT	RT	RT	Prod.RT	Check RT	Conc.	%Rec	DL	EMPC
17	4,4'-DDMU	7.68e5	1.96e6	46	2.96	NO	0.4167	1.000	34.49	34.49	0.994	0.994	NO	46.5	92.9	0.0202	46.5
18	2,4'-DDE	2.12e6	1.99e6	46	1.52	NO	1.0066	1.000	34.70	34.71	1.000	1.000	NO	53.2	106	0.0452	53.2
19	4,4'-DDE	1.46e6	1.33e6	47	1.53	NO	1.0094	1.000	35.82	35.82	1.000	1.000	NO	54.1	108	0.0632	54.1
20	Diazin	1.78e5	1.66e5	48	1.59	NO	1.0010	1.000	36.29	36.28	1.000	1.000	NO	52.9	106	0.0846	52.9
21	Endrin	1.06e5	1.05e5	49	1.63	NO	0.9769	1.000	37.68	37.71	1.001	1.000	NO	51.9	104	0.138	51.9
22	cis-Nonachlor	8.32e4	7.82e4	50	1.81	NO	1.0113	1.000	38.02	38.02	1.000	1.000	NO	52.6	105	0.158	52.6
23	Endosulfan II (beta)	2.32e4	2.23e4	51	1.73	NO	1.0079	1.000	38.73	38.75	1.000	1.000	NO	51.7	103	0.585	51.7
24	2,4'-DDD	8.18e5	1.17e6	52	1.44	NO	0.7794	1.000	36.97	36.96	1.000	1.000	NO	44.8	88.7	0.0678	44.8
25	2,4'-DDT	5.54e5	7.95e5	53	1.44	NO	0.7506	1.000	38.11	38.11	1.000	1.000	NO	46.4	92.8	0.162	46.4
26	4,4'-DDD	7.18e5	8.31e5	54	1.45	NO	0.8433	1.000	38.26	38.26	1.000	1.000	NO	45.7	91.5	0.108	45.7
27	4,4'-DDT	4.57e5	5.94e5	55	1.45	NO	0.8412	1.000	38.35	38.34	1.000	1.000	NO	45.8	91.5	0.156	45.8
28	Endosulfan Sulfate	3.42e4	3.26e4	56	1.59	NO	1.0514	1.000	40.49	40.50	1.000	1.000	NO	49.8	99.7	0.296	49.8
29	4,4'-Methoxychlor	6.45e5	6.99e6	57	5.52	NO	0.9927	1.000	42.37	42.36	1.000	1.000	NO	46.5	93.1	0.0496	46.5
30	Metax	4.14e5	4.01e5	58	1.56	NO	0.9793	1.000	42.81	42.81	1.001	1.000	NO	52.7	105	0.0487	52.7
31																	



Dataset: U:\VG12.PRO\Results\210401R2\210401R2_1.qld

Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

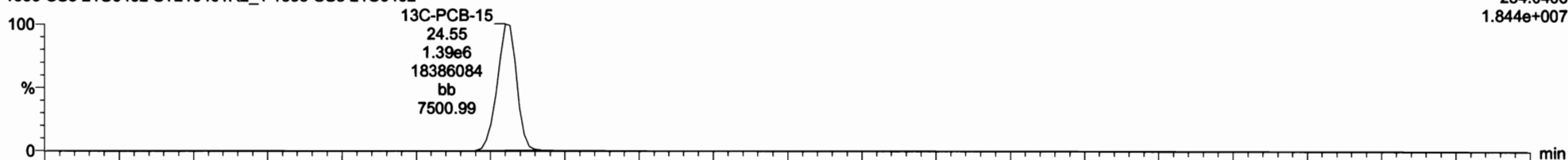
Printed: Thursday, April 01, 2021 12:49:52 Pacific Daylight Time

Name: 210401R2_1, Date: 01-Apr-2021, Time: 11:59:05, ID: ST210401R2_1 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-15

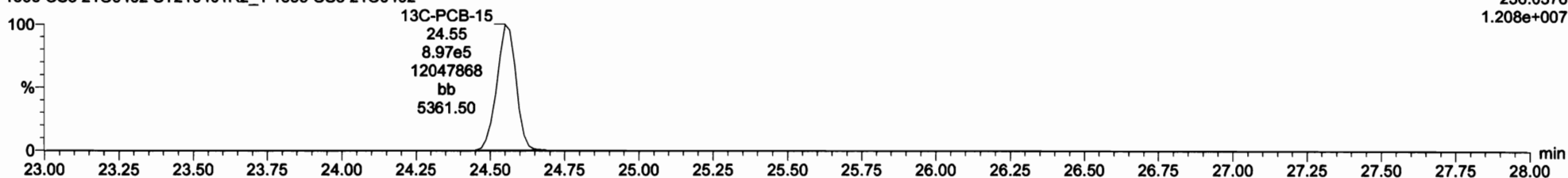
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1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F2:Voltage SIR,EI+
234.0406
1.844e+007



210401R2_1
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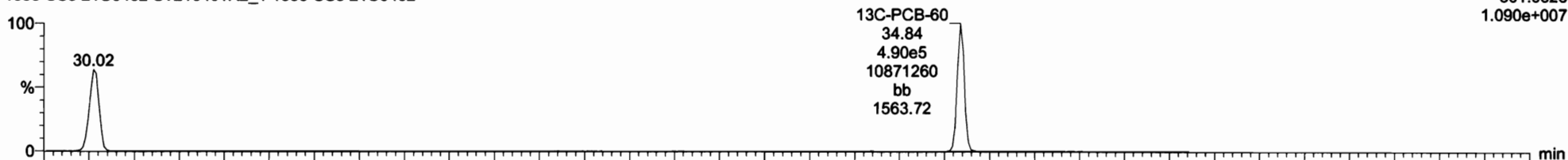
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236.0376
1.208e+007



13C-PCB-60

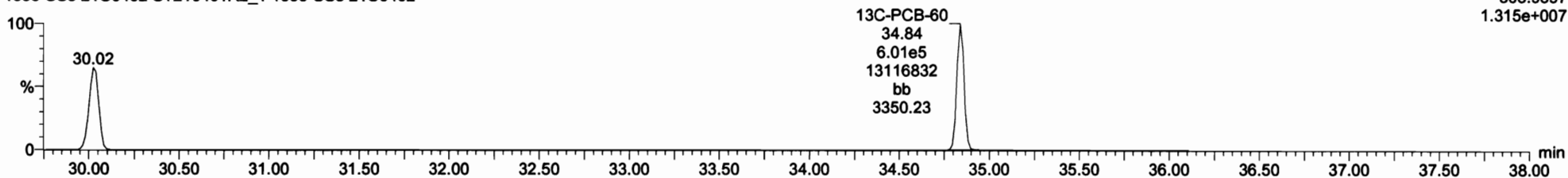
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1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
301.9626
1.090e+007



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F3:Voltage SIR,EI+
303.9597
1.315e+007



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Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

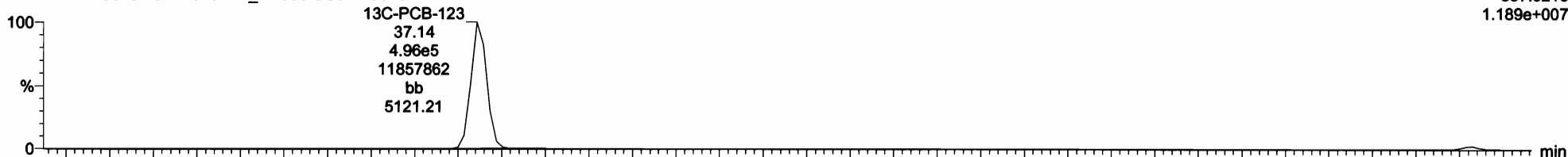
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13C-PCB-123

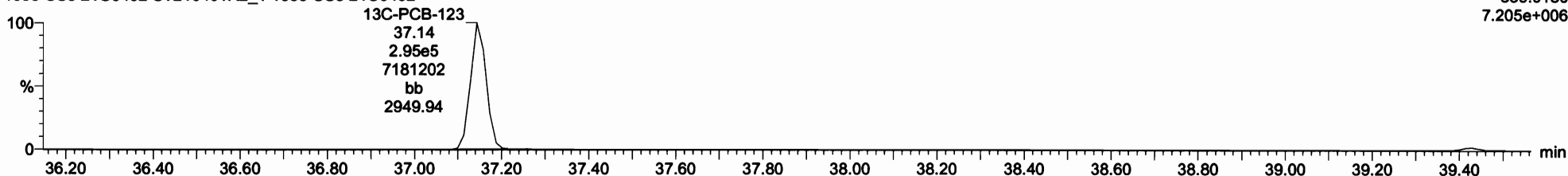
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F4:Voltage SIR,EI+
337.9210
1.189e+007



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

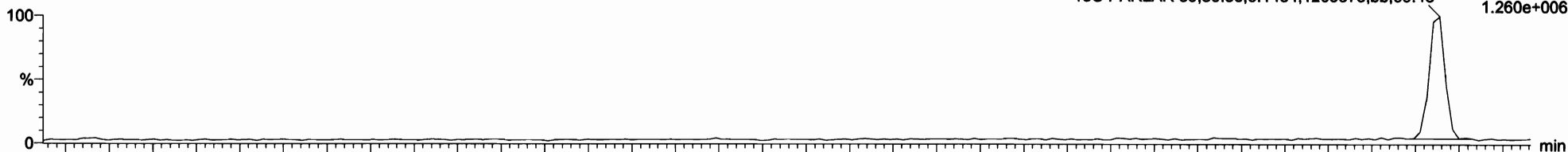
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339.9180
7.205e+006



13C-PARLAR 39

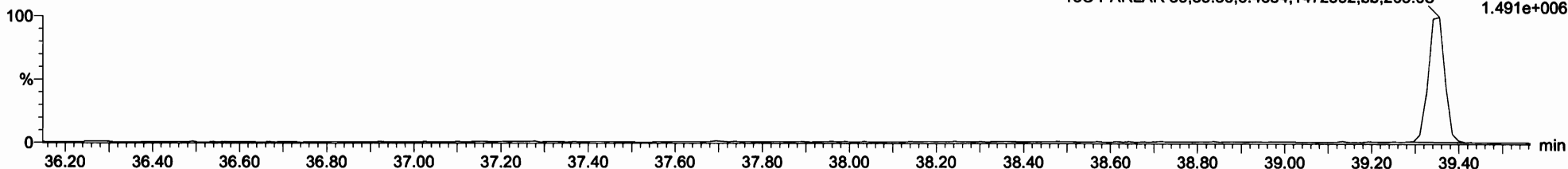
210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F4:Voltage SIR,EI+
251.9648
1.260e+006
13C-PARLAR 39;39.36;5.14e4;1205373;bb;99.43



210401R2_1
1699 CS3 21C0402 ST210401R2_1 1699 CS3 21C0402

F4:Voltage SIR,EI+
253.9619
1.491e+006
13C-PARLAR 39;39.36;6.46e4;1472592;bb;205.08



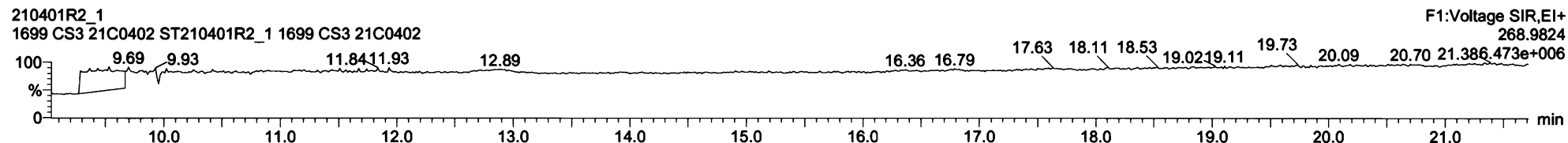
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Last Altered: Thursday, April 01, 2021 12:45:17 Pacific Daylight Time

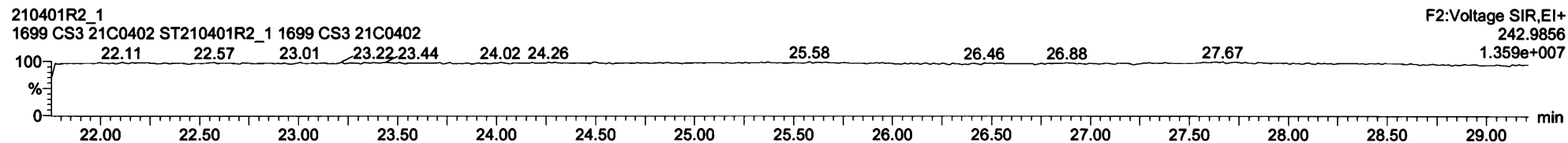
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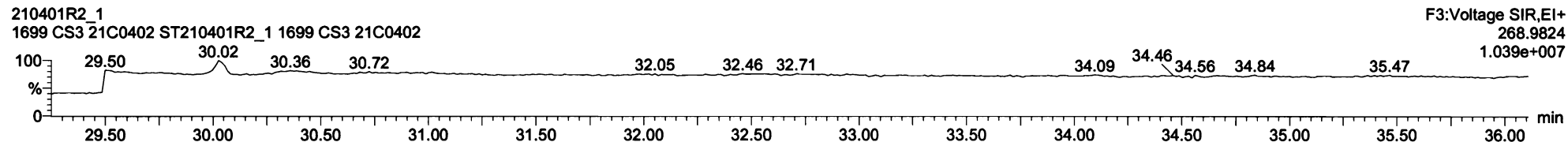
PFK1



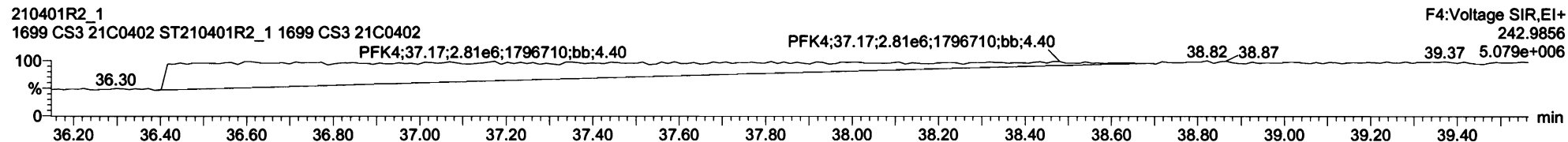
PFK2



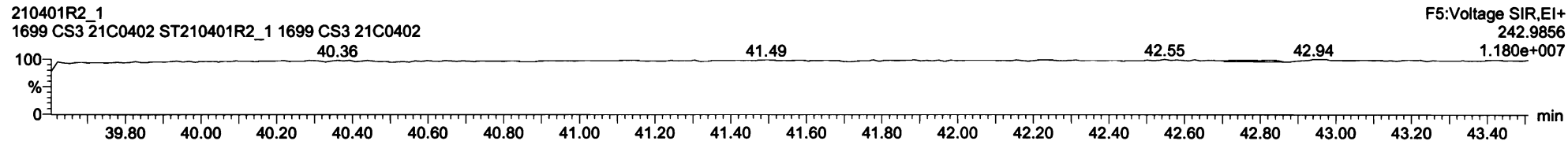
PFK3



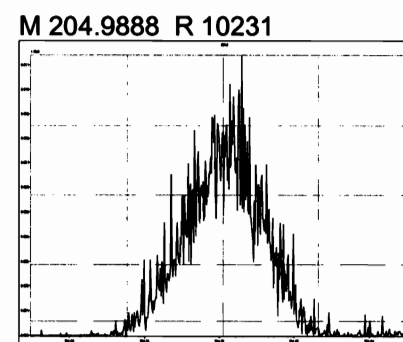
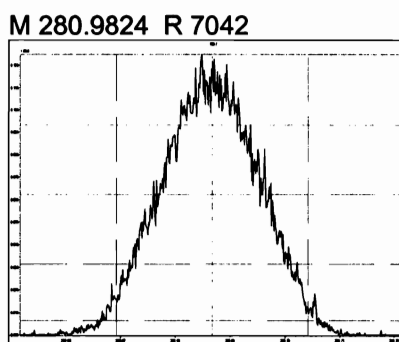
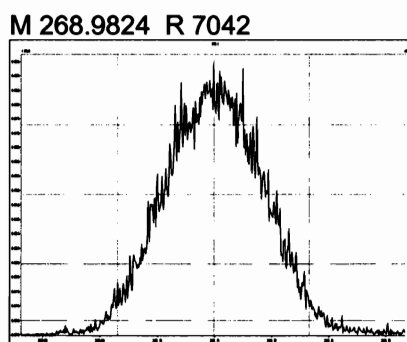
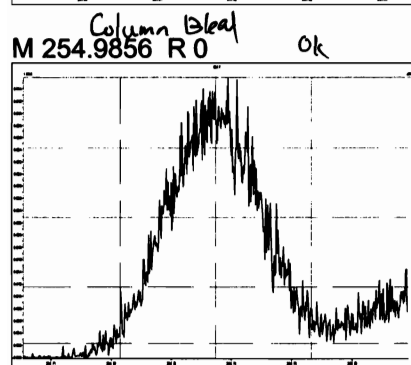
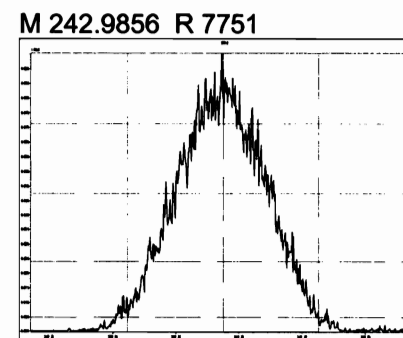
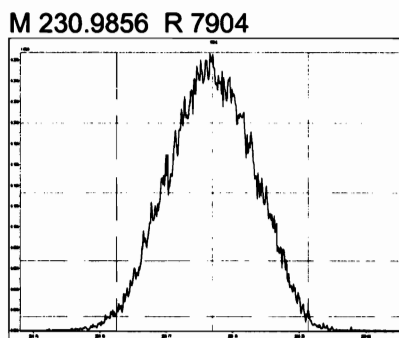
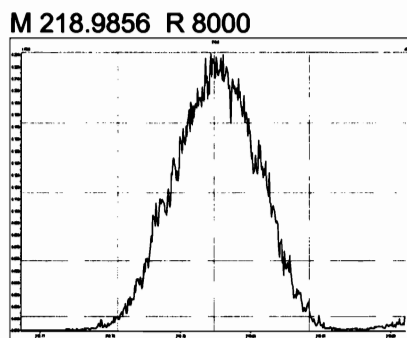
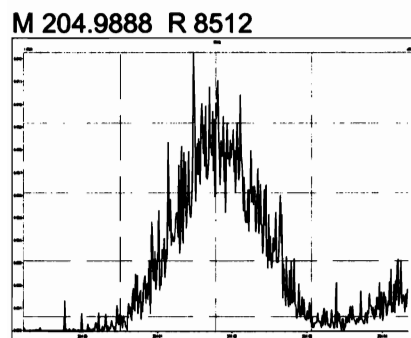
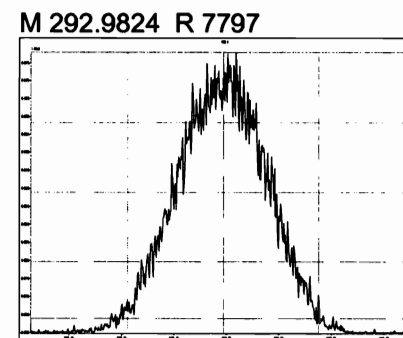
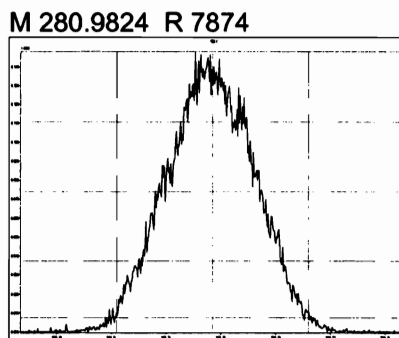
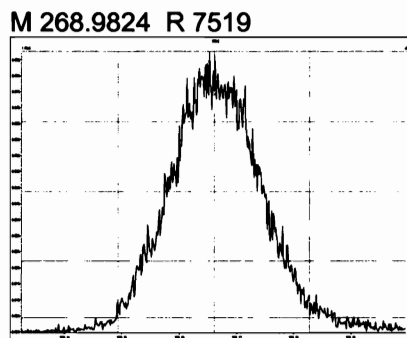
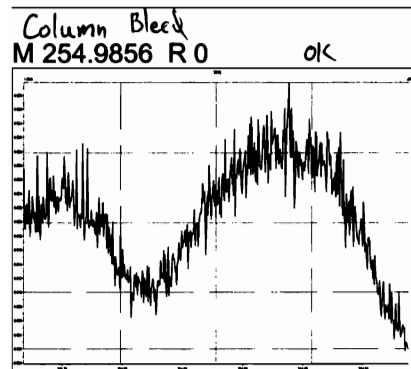
PFK4



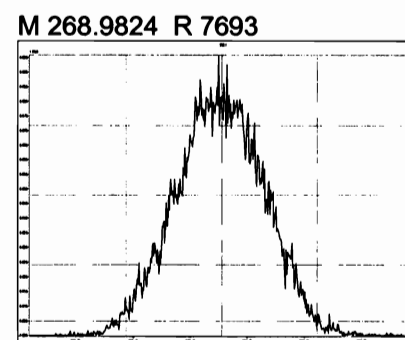
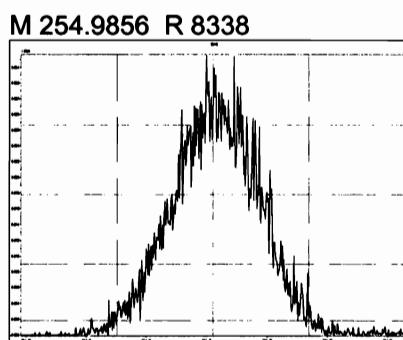
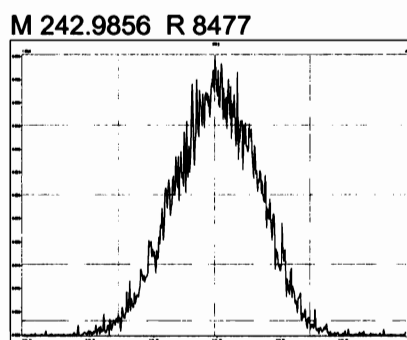
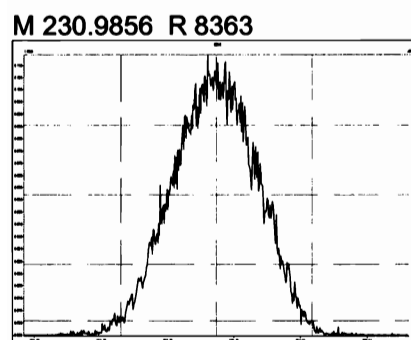
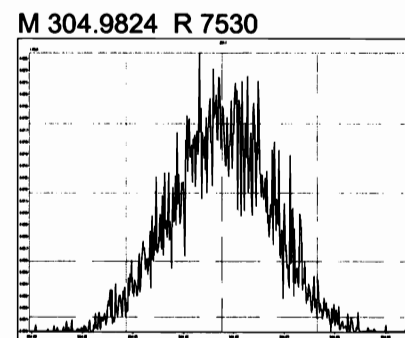
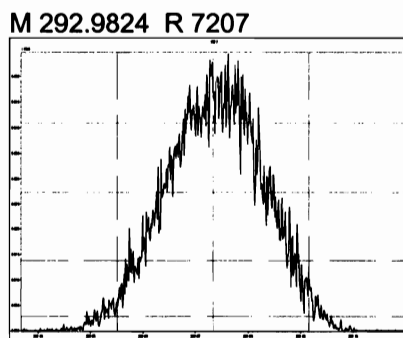
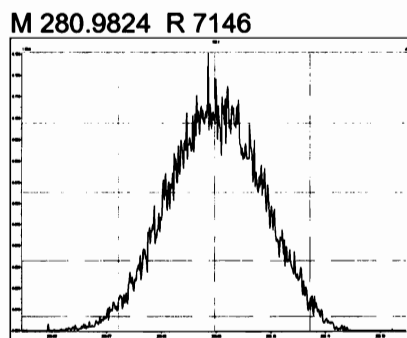
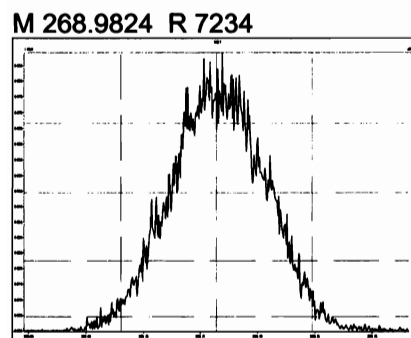
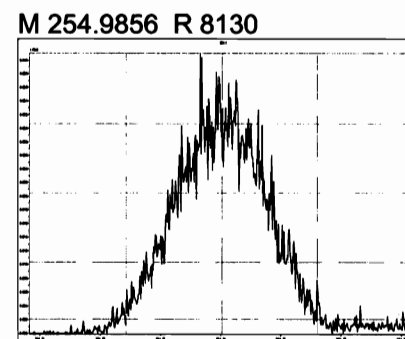
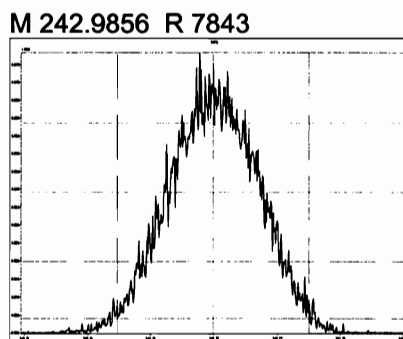
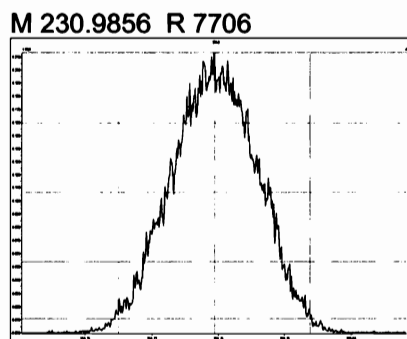
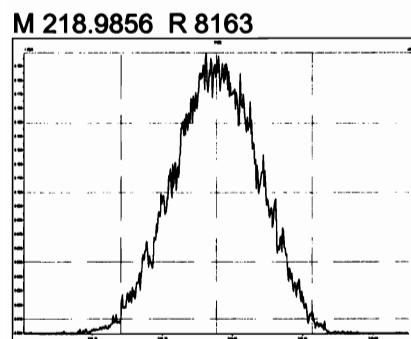
PFK5



Printed: Thursday, April 01, 2021 15:19:14 Pacific Daylight Time

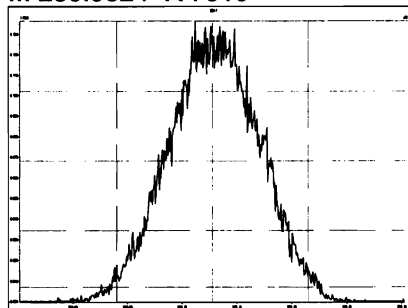


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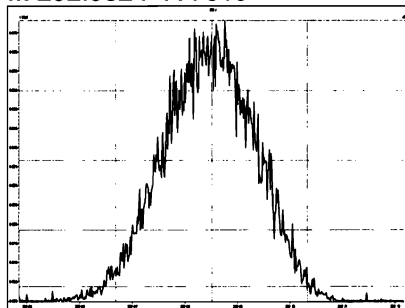


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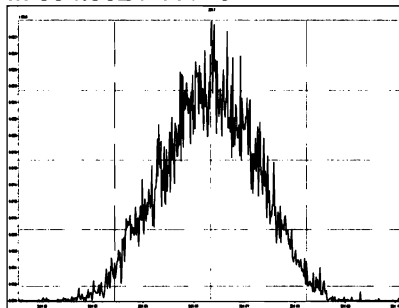
M 280.9824 R 7510



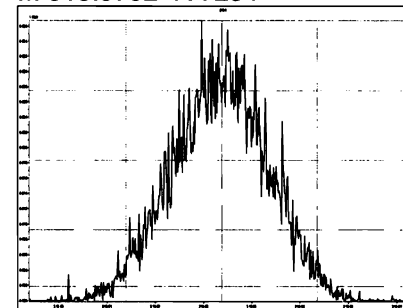
M 292.9824 R 7619



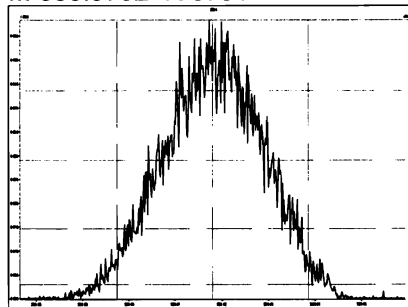
M 304.9824 R 7491



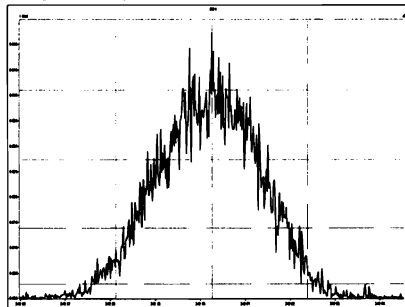
M 318.9792 R 7234



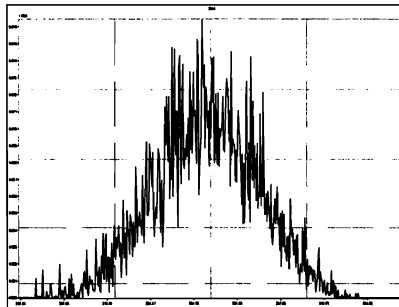
M 330.9792 R 6791



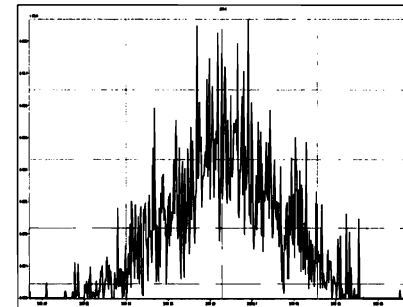
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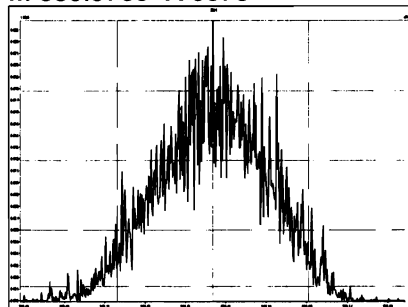
M 354.9792 R 7555



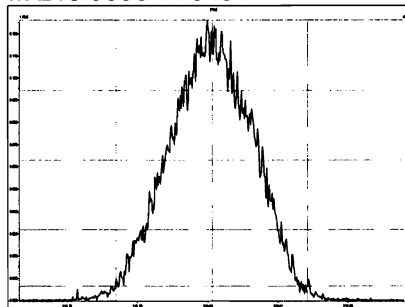
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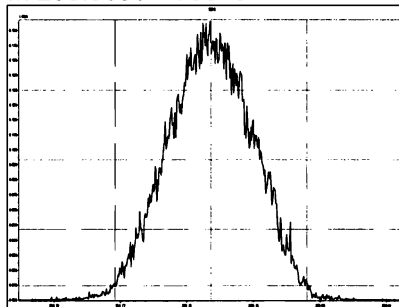
M 380.9760 R 6678



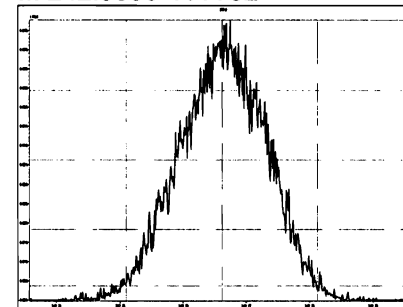
M 218.9856 R 8404



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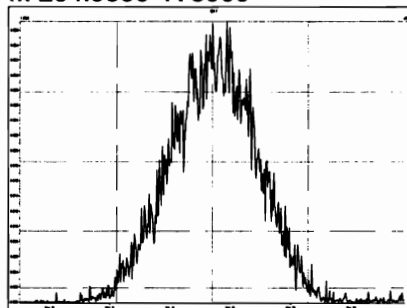


M 242.9856 R 7752

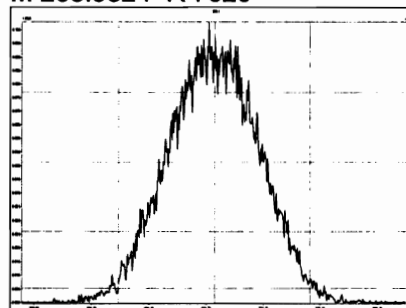


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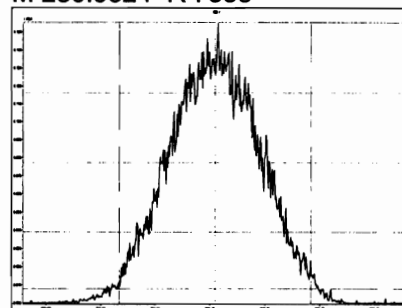
M 254.9856 R 8066



M 268.9824 R 7620



M 280.9824 R 7353



INITIAL CALIBRATION

Dataset: U:\VG12.PRO\Results\210218R1\210218R1-CRV.qld

Last Altered: Friday, February 19, 2021 10:40:51 AM Pacific Standard Time

Printed: Friday, February 19, 2021 10:51:12 AM Pacific Standard Time

D#02/19/21

Hc 2.19.2021

Method: Untitled 17 Feb 2021 11:18:31

Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 10:40:51 ✓

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

Response Factor: 1.00868

RRF SD: 0.0661367, Relative SD: 6.55676

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	210218R1_1	0.250	0.80	NO	26.02	1.001	2.05e3	8.81e5	0.231	-7.7	0.931	MM
2	210218R1_2	0.500	0.83	NO	26.01	1.001	3.96e3	7.97e5	0.493	-1.4	0.995	bb
3	210218R1_3	2.00	0.75	NO	25.99	1.001	1.61e4	8.31e5	1.92	-3.8	0.970	MM
4	210218R1_4	10.0	0.79	NO	25.99	1.001	7.91e4	7.74e5	10.1	1.4	1.02	MM
5	210218R1_5	40.0	0.78	NO	26.01	1.001	3.33e5	7.39e5	44.7	11.7	1.13	MM
6	210218R1_6	300	0.78	NO	26.01	1.001	2.12e6	7.01e5	300	-0.1	1.01	MM

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

Response Factor: 0.995247

RRF SD: 0.0446967, Relative SD: 4.49101

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	210218R1_1	1.25	0.64	NO	30.90	1.000	6.67e3	5.48e5	1.22	-2.2	0.973	MM
2	210218R1_2	2.50	0.62	NO	30.90	1.000	1.45e4	5.79e5	2.52	0.7	1.00	MM
3	210218R1_3	10.0	0.61	NO	30.90	1.000	5.87e4	5.86e5	10.1	0.6	1.00	MM
4	210218R1_4	50.0	0.63	NO	30.90	1.000	2.83e5	5.52e5	51.6	3.1	1.03	MM
5	210218R1_5	200	0.62	NO	30.90	1.000	1.16e6	5.55e5	211	5.3	1.05	MM
6	210218R1_6	1500	0.63	NO	30.91	1.000	7.82e6	5.67e5	1390	-7.5	0.920	MM

Dataset: U:\VG12.PRO\Results\210218R1\210218R1-CRV.qld

Last Altered: Friday, February 19, 2021 10:40:51 AM Pacific Standard Time

Printed: Friday, February 19, 2021 10:51:12 AM Pacific Standard Time

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

Response Factor: 1.05763

RRF SD: 0.0593577, Relative SD: 5.61234

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	210218R1_1	1.25	1.15	NO	34.21	1.001	5.34e3	4.24e5	1.19	-4.7	1.01	bd
2	210218R1_2	2.50	1.20	NO	34.20	1.000	1.06e4	4.24e5	2.37	-5.3	1.00	MM
3	210218R1_3	10.0	1.25	NO	34.20	1.000	4.41e4	4.19e5	9.96	-0.4	1.05	bd
4	210218R1_4	50.0	1.25	NO	34.20	1.001	2.16e5	3.91e5	52.2	4.5	1.10	bd
5	210218R1_5	200	1.25	NO	34.21	1.001	8.96e5	3.89e5	218	8.9	1.15	bd
6	210218R1_6	1500	1.25	NO	34.21	1.000	6.44e6	4.18e5	1460	-3.0	1.03	bd

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

Response Factor: 0.940373

RRF SD: 0.0591818, Relative SD: 6.29344

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	210218R1_1	1.25	1.29	NO	34.31	1.000	5.80e3	5.07e5	1.22	-2.7	0.915	MM
2	210218R1_2	2.50	1.24	NO	34.31	1.000	1.06e4	4.77e5	2.36	-5.8	0.886	MM
3	210218R1_3	10.0	1.26	NO	34.31	1.000	4.37e4	4.79e5	9.69	-3.1	0.911	MM
4	210218R1_4	50.0	1.27	NO	34.31	1.001	2.22e5	4.48e5	52.7	5.4	0.991	MM
5	210218R1_5	200	1.27	NO	34.33	1.001	9.25e5	4.47e5	220	10.1	1.04	db
6	210218R1_6	1500	1.24	NO	34.33	1.000	6.49e6	4.79e5	1440	-4.0	0.903	db

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

Response Factor: 0.957188

RRF SD: 0.0539982, Relative SD: 5.64133

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	210218R1_1	1.25	1.24	NO	34.58	1.000	4.90e3	4.42e5	1.16	-7.4	0.886	MM
2	210218R1_2	2.50	1.26	NO	34.58	1.000	1.01e4	4.28e5	2.47	-1.2	0.946	MM

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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	210218R1_3	10.0	1.34	NO	34.58	1.000	4.08e4	4.35e5	9.79	-2.1	0.937	MM
4	210218R1_4	50.0	1.27	NO	34.58	1.001	2.04e5	4.11e5	51.9	3.9	0.994	db
5	210218R1_5	200	1.24	NO	34.59	1.001	8.53e5	4.09e5	218	8.9	1.04	bb
6	210218R1_6	1500	1.23	NO	34.59	1.000	6.19e6	4.40e5	1470	-2.1	0.937	bb

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

Response Factor: 0.960096
 RRF SD: 0.0421605, Relative SD: 4.39129
 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	210218R1_1	1.25	1.01	NO	38.06	1.000	3.68e3	3.06e5	1.25	0.2	0.962	MM
2	210218R1_2	2.50	0.97	NO	38.05	1.000	7.02e3	3.00e5	2.44	-2.6	0.935	MM
3	210218R1_3	10.0	1.03	NO	38.05	1.000	2.78e4	2.99e5	9.68	-3.2	0.929	MM
4	210218R1_4	50.0	1.04	NO	38.05	1.000	1.35e5	2.79e5	50.5	1.0	0.969	bb
5	210218R1_5	200	1.04	NO	38.06	1.000	5.52e5	2.66e5	216	8.1	1.04	bb
6	210218R1_6	1500	1.03	NO	38.07	1.000	4.08e6	2.94e5	1450	-3.5	0.926	bb

Compound name: OCDD

Response Factor: 0.911713
 RRF SD: 0.0354013, Relative SD: 3.88295
 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	210218R1_1	2.50	0.82	NO	40.96	1.000	6.43e3	5.54e5	2.55	1.9	0.929	MM
2	210218R1_2	5.00	0.95	NO	40.96	1.000	1.24e4	5.59e5	4.86	-2.9	0.885	MM
3	210218R1_3	20.0	0.87	NO	40.95	1.000	4.91e4	5.53e5	19.5	-2.6	0.888	MM
4	210218R1_4	100	0.90	NO	40.95	1.000	2.32e5	5.01e5	102	1.8	0.928	MM
5	210218R1_5	400	0.87	NO	40.96	1.000	9.67e5	5.00e5	424	6.0	0.966	MM
6	210218R1_6	3000	0.88	NO	40.98	1.001	7.49e6	5.71e5	2880	-4.2	0.874	MM

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

Response Factor: 0.803855

RRF SD: 0.035374, Relative SD: 4.40055

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	210218R1_1	0.250	0.71	NO	25.28	1.001	2.52e3	1.28e6	0.245	-2.1	0.787	MM
2	210218R1_2	0.500	0.77	NO	25.25	1.001	4.96e3	1.25e6	0.495	-1.0	0.796	MM
3	210218R1_3	2.00	0.77	NO	25.27	1.001	2.03e4	1.32e6	1.92	-4.2	0.770	bb
4	210218R1_4	10.0	0.76	NO	25.25	1.001	1.00e5	1.23e6	10.1	1.1	0.812	bb
5	210218R1_5	40.0	0.75	NO	25.25	1.001	4.17e5	1.20e6	43.3	8.3	0.870	MM
6	210218R1_6	300	0.75	NO	25.27	1.001	2.54e6	1.07e6	294	-2.0	0.788	MM

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

Response Factor: 0.994469

RRF SD: 0.0511309, Relative SD: 5.14153

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	210218R1_1	1.25	1.36	NO	29.60	1.000	1.21e4	9.95e5	1.22	-2.6	0.969	MM
2	210218R1_2	2.50	1.55	NO	29.60	1.000	2.38e4	9.58e5	2.49	-0.2	0.992	MM
3	210218R1_3	10.0	1.58	NO	29.60	1.000	9.76e4	9.65e5	10.2	1.7	1.01	bb
4	210218R1_4	50.0	1.56	NO	29.60	1.000	4.80e5	9.36e5	51.6	3.2	1.03	MM
5	210218R1_5	200	1.55	NO	29.60	1.001	1.91e6	9.05e5	213	6.3	1.06	bb
6	210218R1_6	1500	1.54	NO	29.62	1.001	1.27e7	9.28e5	1370	-8.5	0.910	bb

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

Response Factor: 1.13517

RRF SD: 0.0535791, Relative SD: 4.71994

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	210218R1_1	1.25	1.71	NO	30.70	1.000	1.14e4	8.26e5	1.22	-2.3	1.11	MM
2	210218R1_2	2.50	1.58	NO	30.70	1.000	2.34e4	8.38e5	2.46	-1.4	1.12	MM

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

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210218R1_3	10.0	1.53	NO	30.70	1.000	9.73e4	8.47e5	10.1	1.2	1.15	bb
4	210218R1_4	50.0	1.56	NO	30.69	1.000	4.77e5	8.05e5	52.2	4.3	1.18	MM
5	210218R1_5	200	1.54	NO	30.70	1.000	1.90e6	7.95e5	211	5.5	1.20	bb
6	210218R1_6	1500	1.56	NO	30.72	1.000	1.28e7	8.11e5	1390	-7.3	1.05	bb

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

Response Factor: 0.955566

RRF SD: 0.0644517, Relative SD: 6.74488

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	210218R1_1	1.25	1.34	NO	33.32	1.001	6.09e3	5.57e5	1.14	-8.5	0.874	MM
2	210218R1_2	2.50	1.20	NO	33.32	1.001	1.32e4	5.83e5	2.38	-4.9	0.909	bd
3	210218R1_3	10.0	1.24	NO	33.32	1.000	5.62e4	5.80e5	10.1	1.3	0.968	bd
4	210218R1_4	50.0	1.21	NO	33.31	1.000	2.73e5	5.43e5	52.6	5.1	1.00	bd
5	210218R1_5	200	1.21	NO	33.32	1.000	1.09e6	5.22e5	220	9.8	1.05	bd
6	210218R1_6	1500	1.20	NO	33.33	1.000	7.65e6	5.50e5	1460	-2.9	0.928	bd

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

Response Factor: 0.905817

RRF SD: 0.0611243, Relative SD: 6.74797

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	210218R1_1	1.25	1.20	NO	33.45	1.000	6.60e3	6.21e5	1.17	-6.1	0.851	MM
2	210218R1_2	2.50	1.27	NO	33.45	1.000	1.40e4	6.49e5	2.37	-5.0	0.860	MM
3	210218R1_3	10.0	1.22	NO	33.45	1.000	6.01e4	6.68e5	9.94	-0.6	0.900	MM
4	210218R1_4	50.0	1.22	NO	33.45	1.001	2.99e5	6.35e5	52.1	4.1	0.943	MM
5	210218R1_5	200	1.22	NO	33.45	1.000	1.25e6	6.17e5	223	11.5	1.01	MM
6	210218R1_6	1500	1.23	NO	33.46	1.000	8.57e6	6.56e5	1440	-3.9	0.870	MM

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

Response Factor: 0.96272

RRF SD: 0.0632444, Relative SD: 6.56935

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	210218R1_1	1.25	1.19	NO	34.10	1.000	6.31e3	5.66e5	1.16	-7.3	0.892	MM
2	210218R1_2	2.50	1.20	NO	34.08	1.000	1.34e4	5.83e5	2.40	-4.2	0.922	MM
3	210218R1_3	10.0	1.24	NO	34.10	1.001	5.53e4	5.83e5	9.86	-1.4	0.949	MM
4	210218R1_4	50.0	1.24	NO	34.08	1.000	2.79e5	5.54e5	52.2	4.4	1.01	MM
5	210218R1_5	200	1.21	NO	34.10	1.000	1.13e6	5.29e5	222	10.8	1.07	MM
6	210218R1_6	1500	1.20	NO	34.11	1.000	7.69e6	5.45e5	1470	-2.3	0.940	MM

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

Response Factor: 0.927333

RRF SD: 0.0474262, Relative SD: 5.11425

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	210218R1_1	1.25	1.21	NO	35.06	1.001	5.33e3	4.76e5	1.21	-3.5	0.895	MM
2	210218R1_2	2.50	1.24	NO	35.06	1.001	1.11e4	4.92e5	2.44	-2.4	0.905	MM
3	210218R1_3	10.0	1.23	NO	35.06	1.001	4.44e4	5.00e5	9.58	-4.2	0.889	MM
4	210218R1_4	50.0	1.21	NO	35.05	1.000	2.24e5	4.63e5	52.2	4.5	0.969	bb
5	210218R1_5	200	1.21	NO	35.06	1.001	9.22e5	4.59e5	217	8.3	1.00	MM
6	210218R1_6	1500	1.23	NO	35.07	1.001	6.57e6	4.86e5	1460	-2.7	0.903	MM

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

Response Factor: 0.956519

RRF SD: 0.0451002, Relative SD: 4.71504

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	210218R1_1	1.25	1.04	NO	36.58	1.001	4.74e3	4.11e5	1.21	-3.5	0.923	MM
2	210218R1_2	2.50	0.98	NO	36.58	1.000	9.43e3	4.06e5	2.43	-2.8	0.930	MM

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

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210218R1_3	10.0	1.03	NO	36.57	1.000	3.72e4	4.02e5	9.68	-3.2	0.926	MM
4	210218R1_4	50.0	1.00	NO	36.57	1.000	1.83e5	3.72e5	51.4	2.8	0.983	MM
5	210218R1_5	200	1.02	NO	36.58	1.000	7.53e5	3.63e5	217	8.4	1.04	bb
6	210218R1_6	1500	1.01	NO	36.59	1.000	5.29e6	3.75e5	1470	-1.7	0.940	bb

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

Response Factor: 1.09575

RRF SD: 0.0666974, Relative SD: 6.08694

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	210218R1_1	1.25	1.00	NO	38.73	1.000	3.64e3	2.78e5	1.20	-4.2	1.05	MM
2	210218R1_2	2.50	1.01	NO	38.73	1.000	7.63e3	2.92e5	2.39	-4.4	1.05	MM
3	210218R1_3	10.0	1.00	NO	38.73	1.000	3.08e4	2.95e5	9.55	-4.5	1.05	MM
4	210218R1_4	50.0	1.00	NO	38.73	1.000	1.55e5	2.66e5	53.2	6.4	1.17	MM
5	210218R1_5	200	1.02	NO	38.73	1.000	6.19e5	2.59e5	218	9.0	1.19	bb
6	210218R1_6	1500	1.01	NO	38.74	1.000	4.48e6	2.79e5	1470	-2.3	1.07	bb

Compound name: OCDF

Response Factor: 0.774644

RRF SD: 0.0453914, Relative SD: 5.85964

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	210218R1_1	2.50	0.85	NO	41.23	1.000	6.88e3	7.31e5	2.43	-2.7	0.753	bb
2	210218R1_2	5.00	0.86	NO	41.24	1.000	1.36e4	7.51e5	4.68	-6.4	0.725	MM
3	210218R1_3	20.0	0.90	NO	41.23	1.000	5.82e4	7.52e5	20.0	-0.1	0.774	MM
4	210218R1_4	100	0.89	NO	41.22	1.000	2.83e5	6.91e5	106	5.6	0.818	MM
5	210218R1_5	400	0.88	NO	41.24	1.001	1.16e6	6.91e5	433	8.3	0.839	bb
6	210218R1_6	3000	0.89	NO	41.25	1.000	8.89e6	8.03e5	2860	-4.7	0.738	bb

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

Response Factor: 1.15074

RRF SD: 0.0710676, Relative SD: 6.17581

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	210218R1_1	100	0.79	NO	25.99	1.033	8.81e5	7.25e5	106	5.6	1.21	MM
2	210218R1_2	100	0.78	NO	25.98	1.033	7.97e5	7.19e5	96.2	-3.8	1.11	MM
3	210218R1_3	100	0.80	NO	25.98	1.033	8.31e5	7.62e5	94.8	-5.2	1.09	MM
4	210218R1_4	100	0.79	NO	25.98	1.033	7.74e5	7.14e5	94.2	-5.8	1.08	MM
5	210218R1_5	100	0.77	NO	25.98	1.033	7.39e5	6.43e5	99.9	-0.1	1.15	bb
6	210218R1_6	100	0.77	NO	25.98	1.033	7.01e5	5.58e5	109	9.2	1.26	MM

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

Response Factor: 0.830341

RRF SD: 0.0989096, Relative SD: 11.9119

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	210218R1_1	100	0.64	NO	30.88	1.227	5.48e5	7.25e5	91.0	-9.0	0.755	MM
2	210218R1_2	100	0.64	NO	30.88	1.228	5.79e5	7.19e5	96.9	-3.1	0.804	MM
3	210218R1_3	100	0.63	NO	30.88	1.228	5.86e5	7.62e5	92.7	-7.3	0.770	MM
4	210218R1_4	100	0.63	NO	30.88	1.228	5.52e5	7.14e5	93.1	-6.9	0.773	MM
5	210218R1_5	100	0.63	NO	30.88	1.228	5.55e5	6.43e5	104	4.0	0.863	MM
6	210218R1_6	100	0.63	NO	30.90	1.228	5.67e5	5.58e5	122	22.4	1.02	MM

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

Response Factor: 0.703291

RRF SD: 0.0788527, Relative SD: 11.212

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	210218R1_1	100	1.27	NO	34.19	1.014	4.24e5	6.16e5	97.8	-2.2	0.688	MM
2	210218R1_2	100	1.28	NO	34.19	1.014	4.24e5	6.56e5	91.8	-8.2	0.646	MM

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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	210218R1_3	100	1.30	NO	34.19	1.014	4.19e5	6.46e5	92.2	-7.8	0.649	bd
4	210218R1_4	100	1.28	NO	34.18	1.013	3.91e5	5.91e5	94.1	-5.9	0.662	bd
5	210218R1_5	100	1.31	NO	34.19	1.014	3.89e5	5.38e5	103	2.8	0.723	MM
6	210218R1_6	100	1.29	NO	34.20	1.014	4.18e5	4.91e5	121	21.3	0.853	MM

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

Response Factor: 0.8094

RRF SD: 0.0917267, Relative SD: 11.3327

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	210218R1_1	100	1.26	NO	34.31	1.017	5.07e5	6.16e5	102	1.6	0.822	MM
2	210218R1_2	100	1.28	NO	34.30	1.017	4.77e5	6.56e5	89.9	-10.1	0.727	MM
3	210218R1_3	100	1.28	NO	34.31	1.017	4.79e5	6.46e5	91.7	-8.3	0.742	MM
4	210218R1_4	100	1.28	NO	34.29	1.017	4.48e5	5.91e5	93.8	-6.2	0.759	MM
5	210218R1_5	100	1.26	NO	34.31	1.017	4.47e5	5.38e5	103	2.5	0.830	MM
6	210218R1_6	100	1.27	NO	34.31	1.017	4.79e5	4.91e5	121	20.6	0.976	MM

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

Response Factor: 0.732891

RRF SD: 0.0886269, Relative SD: 12.0928

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	210218R1_1	100	1.26	NO	34.57	1.025	4.42e5	6.16e5	97.9	-2.1	0.718	MM
2	210218R1_2	100	1.27	NO	34.57	1.025	4.28e5	6.56e5	89.1	-10.9	0.653	MM
3	210218R1_3	100	1.25	NO	34.57	1.025	4.35e5	6.46e5	92.0	-8.0	0.674	MM
4	210218R1_4	100	1.25	NO	34.56	1.025	4.11e5	5.91e5	94.9	-5.1	0.695	bb
5	210218R1_5	100	1.22	NO	34.57	1.025	4.09e5	5.38e5	104	3.7	0.760	bb
6	210218R1_6	100	1.28	NO	34.58	1.025	4.40e5	4.91e5	122	22.4	0.897	MM

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

Response Factor: 0.496892

RRF SD: 0.0524896, Relative SD: 10.5636

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	210218R1_1	100	1.05	NO	38.05	1.128	3.06e5	6.16e5	99.8	-0.2	0.496	MM
2	210218R1_2	100	1.06	NO	38.05	1.128	3.00e5	6.56e5	92.1	-7.9	0.457	MM
3	210218R1_3	100	1.05	NO	38.04	1.128	2.99e5	6.46e5	93.3	-6.7	0.464	MM
4	210218R1_4	100	1.06	NO	38.04	1.128	2.79e5	5.91e5	94.9	-5.1	0.472	bb
5	210218R1_5	100	1.06	NO	38.05	1.128	2.66e5	5.38e5	99.4	-0.6	0.494	bb
6	210218R1_6	100	1.04	NO	38.06	1.128	2.94e5	4.91e5	121	20.6	0.599	MM

Compound name: 13C-OCDD

Response Factor: 0.462277

RRF SD: 0.0610497, Relative SD: 13.2063

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	210218R1_1	200	0.91	NO	40.95	1.214	5.54e5	6.16e5	194	-2.9	0.449	MM
2	210218R1_2	200	0.89	NO	40.94	1.214	5.59e5	6.56e5	184	-7.9	0.426	MM
3	210218R1_3	200	0.89	NO	40.94	1.214	5.53e5	6.46e5	185	-7.5	0.428	MM
4	210218R1_4	200	0.90	NO	40.94	1.214	5.01e5	5.91e5	183	-8.3	0.424	MM
5	210218R1_5	200	0.91	NO	40.95	1.214	5.00e5	5.38e5	201	0.6	0.465	MM
6	210218R1_6	200	0.90	NO	40.96	1.214	5.71e5	4.91e5	252	26.0	0.582	MM

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

Response Factor: 0.977257

RRF SD: 0.0539997, Relative SD: 5.52564

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	210218R1_1	100	0.78	NO	25.25	1.003	1.28e6	1.20e6	109	9.2	1.07	MM
2	210218R1_2	100	0.77	NO	25.24	1.003	1.25e6	1.32e6	96.3	-3.7	0.941	MM

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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	210218R1_3	100	0.78	NO	25.24	1.003	1.32e6	1.42e6	95.2	-4.8	0.930	bb
4	210218R1_4	100	0.78	NO	25.24	1.003	1.23e6	1.32e6	95.5	-4.5	0.933	bb
5	210218R1_5	100	0.78	NO	25.24	1.003	1.20e6	1.22e6	101	0.6	0.983	MM
6	210218R1_6	100	0.77	NO	25.24	1.003	1.07e6	1.06e6	103	3.3	1.01	bb

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

Response Factor: 0.759422
 RRF SD: 0.0748048, Relative SD: 9.85023
 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	210218R1_1	100	1.61	NO	29.59	1.176	9.95e5	1.20e6	109	9.2	0.829	MM
2	210218R1_2	100	1.63	NO	29.59	1.176	9.58e5	1.32e6	95.3	-4.7	0.723	MM
3	210218R1_3	100	1.61	NO	29.59	1.176	9.65e5	1.42e6	89.7	-10.3	0.681	bb
4	210218R1_4	100	1.61	NO	29.59	1.176	9.36e5	1.32e6	93.3	-6.7	0.708	MM
5	210218R1_5	100	1.61	NO	29.59	1.176	9.05e5	1.22e6	97.7	-2.3	0.742	bb
6	210218R1_6	100	1.61	NO	29.60	1.177	9.28e5	1.06e6	115	14.9	0.872	bb

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

Response Factor: 0.656783
 RRF SD: 0.0605351, Relative SD: 9.21691
 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	210218R1_1	100	1.63	NO	30.69	1.219	8.26e5	1.20e6	105	4.7	0.688	MM
2	210218R1_2	100	1.61	NO	30.69	1.220	8.38e5	1.32e6	96.3	-3.7	0.633	MM
3	210218R1_3	100	1.60	NO	30.69	1.220	8.47e5	1.42e6	91.0	-9.0	0.598	bb
4	210218R1_4	100	1.62	NO	30.67	1.219	8.05e5	1.32e6	92.8	-7.2	0.609	MM
5	210218R1_5	100	1.59	NO	30.69	1.220	7.95e5	1.22e6	99.2	-0.8	0.652	bb
6	210218R1_6	100	1.63	NO	30.70	1.221	8.11e5	1.06e6	116	16.0	0.762	bb

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

Response Factor: 0.950057

RRF SD: 0.0883548, Relative SD: 9.29995

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	210218R1_1	100	0.50	NO	33.30	0.987	5.57e5	6.16e5	95.2	-4.8	0.904	MM
2	210218R1_2	100	0.50	NO	33.30	0.987	5.83e5	6.56e5	93.5	-6.5	0.888	MM
3	210218R1_3	100	0.52	NO	33.31	0.988	5.80e5	6.46e5	94.6	-5.4	0.898	bd
4	210218R1_4	100	0.50	NO	33.30	0.987	5.43e5	5.91e5	96.7	-3.3	0.919	bd
5	210218R1_5	100	0.49	NO	33.31	0.988	5.22e5	5.38e5	102	2.1	0.970	bd
6	210218R1_6	100	0.51	NO	33.32	0.988	5.50e5	4.91e5	118	18.0	1.12	bd

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

Response Factor: 1.09814

RRF SD: 0.130048, Relative SD: 11.8426

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	210218R1_1	100	0.51	NO	33.44	0.991	6.21e5	6.16e5	91.7	-8.3	1.01	MM
2	210218R1_2	100	0.50	NO	33.44	0.991	6.49e5	6.56e5	90.0	-10.0	0.989	MM
3	210218R1_3	100	0.51	NO	33.44	0.991	6.68e5	6.46e5	94.2	-5.8	1.03	MM
4	210218R1_4	100	0.51	NO	33.42	0.991	6.35e5	5.91e5	97.9	-2.1	1.07	db
5	210218R1_5	100	0.50	NO	33.44	0.991	6.17e5	5.38e5	104	4.4	1.15	db
6	210218R1_6	100	0.51	NO	33.45	0.991	6.56e5	4.91e5	122	21.8	1.34	db

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

Response Factor: 0.957119

RRF SD: 0.082891, Relative SD: 8.66048

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	210218R1_1	100	0.50	NO	34.08	1.011	5.66e5	6.16e5	96.0	-4.0	0.918	MM
2	210218R1_2	100	0.51	NO	34.07	1.010	5.83e5	6.56e5	92.8	-7.2	0.888	MM

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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	210218R1_3	100	0.50	NO	34.07	1.010	5.83e5	6.46e5	94.2	-5.8	0.902	MM
4	210218R1_4	100	0.50	NO	34.07	1.010	5.54e5	5.91e5	98.0	-2.0	0.938	MM
5	210218R1_5	100	0.50	NO	34.08	1.011	5.29e5	5.38e5	103	2.8	0.984	bb
6	210218R1_6	100	0.51	NO	34.10	1.011	5.45e5	4.91e5	116	16.2	1.11	bb

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

Response Factor: 0.820576

RRF SD: 0.0900988, Relative SD: 10.9799

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	210218R1_1	100	0.50	NO	35.04	1.039	4.76e5	6.16e5	94.1	-5.9	0.772	MM
2	210218R1_2	100	0.50	NO	35.04	1.039	4.92e5	6.56e5	91.5	-8.5	0.750	MM
3	210218R1_3	100	0.50	NO	35.04	1.039	5.00e5	6.46e5	94.3	-5.7	0.774	MM
4	210218R1_4	100	0.51	NO	35.04	1.039	4.63e5	5.91e5	95.5	-4.5	0.784	MM
5	210218R1_5	100	0.49	NO	35.04	1.039	4.59e5	5.38e5	104	4.0	0.854	MM
6	210218R1_6	100	0.50	NO	35.05	1.039	4.86e5	4.91e5	121	20.6	0.990	bb

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

Response Factor: 0.662599

RRF SD: 0.0551878, Relative SD: 8.329

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	210218R1_1	100	0.43	NO	36.56	1.084	4.11e5	6.16e5	101	0.6	0.667	MM
2	210218R1_2	100	0.43	NO	36.57	1.084	4.06e5	6.56e5	93.3	-6.7	0.618	MM
3	210218R1_3	100	0.43	NO	36.56	1.084	4.02e5	6.46e5	93.9	-6.1	0.622	MM
4	210218R1_4	100	0.43	NO	36.56	1.084	3.72e5	5.91e5	95.1	-4.9	0.630	MM
5	210218R1_5	100	0.43	NO	36.57	1.084	3.63e5	5.38e5	102	1.8	0.674	MM
6	210218R1_6	100	0.44	NO	36.58	1.084	3.75e5	4.91e5	115	15.4	0.765	bb

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

Response Factor: 0.475202
 RRF SD: 0.0473177, Relative SD: 9.95738
 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	210218R1_1	100	0.42	NO	38.72	1.148	2.78e5	6.16e5	94.8	-5.2	0.451	MM
2	210218R1_2	100	0.43	NO	38.72	1.148	2.92e5	6.56e5	93.5	-6.5	0.444	MM
3	210218R1_3	100	0.42	NO	38.72	1.148	2.95e5	6.46e5	96.0	-4.0	0.456	MM
4	210218R1_4	100	0.42	NO	38.72	1.148	2.66e5	5.91e5	94.8	-5.2	0.451	MM
5	210218R1_5	100	0.41	NO	38.72	1.148	2.59e5	5.38e5	101	1.3	0.482	bb
6	210218R1_6	100	0.42	NO	38.73	1.148	2.79e5	4.91e5	120	19.5	0.568	bb

Compound name: 13C-OCDF

Response Factor: 0.631984
 RRF SD: 0.0944327, Relative SD: 14.9423
 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	210218R1_1	200	0.88	NO	41.22	1.222	7.31e5	6.16e5	188	-6.2	0.593	MM
2	210218R1_2	200	0.87	NO	41.22	1.222	7.51e5	6.56e5	181	-9.4	0.572	MM
3	210218R1_3	200	0.90	NO	41.22	1.222	7.52e5	6.46e5	184	-7.8	0.582	MM
4	210218R1_4	200	0.89	NO	41.21	1.222	6.91e5	5.91e5	185	-7.5	0.585	MM
5	210218R1_5	200	0.89	NO	41.22	1.222	6.91e5	5.38e5	203	1.5	0.642	MM
6	210218R1_6	200	0.89	NO	41.24	1.222	8.03e5	4.91e5	259	29.5	0.818	bb

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

Response Factor: 1.03968
 RRF SD: 0.129074, Relative SD: 12.4148
 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	210218R1_1	0.250			26.01	1.033	2.13e3	7.25e5	0.283	13.0	1.18	MM
2	210218R1_2	0.500			26.01	1.034	3.36e3	7.19e5	0.450	-10.1	0.935	MM

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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	210218R1_3	2.00			25.99	1.033	1.36e4	7.62e5	1.72	-13.8	0.896	MM
4	210218R1_4	10.0			25.99	1.033	6.75e4	7.14e5	9.09	-9.1	0.945	MM
5	210218R1_5	40.0			25.99	1.033	3.04e5	6.43e5	45.5	13.6	1.18	MM
6	210218R1_6	200			26.01	1.034	1.23e6	5.58e5	213	6.3	1.11	bb

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

Response Factor: 1

RRF SD: 9.93014e-017, Relative SD: 9.93014e-015

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	210218R1_1	100	0.79	NO	25.17	1.000	7.25e5	7.25e5	100	0.0	1.00	MM
2	210218R1_2	100	0.78	NO	25.15	1.000	7.19e5	7.19e5	100	0.0	1.00	MM
3	210218R1_3	100	0.80	NO	25.15	1.000	7.62e5	7.62e5	100	0.0	1.00	MM
4	210218R1_4	100	0.80	NO	25.15	1.000	7.14e5	7.14e5	100	0.0	1.00	MM
5	210218R1_5	100	0.80	NO	25.15	1.000	6.43e5	6.43e5	100	0.0	1.00	MM
6	210218R1_6	100	0.78	NO	25.15	1.000	5.58e5	5.58e5	100	0.0	1.00	bb

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

Response Factor: 1

RRF SD: 0, Relative SD: 0

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

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210218R1_1	100	0.79	NO	23.52	1.000	1.20e6	1.20e6	100	0.0	1.00	MM
2	210218R1_2	100	0.80	NO	23.51	1.000	1.32e6	1.32e6	100	0.0	1.00	MM
3	210218R1_3	100	0.79	NO	23.50	1.000	1.42e6	1.42e6	100	0.0	1.00	MM
4	210218R1_4	100	0.78	NO	23.50	1.000	1.32e6	1.32e6	100	0.0	1.00	MM
5	210218R1_5	100	0.78	NO	23.51	1.000	1.22e6	1.22e6	100	0.0	1.00	MM
6	210218R1_6	100	0.80	NO	23.51	1.000	1.06e6	1.06e6	100	0.0	1.00	bb

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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	210218R1_1	100	0.50	NO	33.73	1.000	6.16e5	6.16e5	100	0.0	1.00	MM
2	210218R1_2	100	0.50	NO	33.73	1.000	6.56e5	6.56e5	100	0.0	1.00	MM
3	210218R1_3	100	0.50	NO	33.73	1.000	6.46e5	6.46e5	100	0.0	1.00	MM
4	210218R1_4	100	0.51	NO	33.73	1.000	5.91e5	5.91e5	100	0.0	1.00	bb
5	210218R1_5	100	0.50	NO	33.73	1.000	5.38e5	5.38e5	100	0.0	1.00	MM
6	210218R1_6	100	0.50	NO	33.74	1.000	4.91e5	4.91e5	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Friday, February 19, 2021 10:53:26 AM Pacific Standard Time
Printed: Friday, February 19, 2021 10:54:38 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-02-17-21.mdb 17 Feb 2021 11:18:31
Calibration: U:\VG12.PRO\CurveDB\1613vg12-2-18-21.cdb 19 Feb 2021 10:40:51

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

	Name	ID	Acq.Date	Acq.Time
1	210218R1_1	ST210218R1_1 1613 CS0 20H2518	18-Feb-21	09:15:55
2	210218R1_2	ST210218R1_2 1613 CS1 20H2519	18-Feb-21	10:06:22
3	210218R1_3	ST210218R1_3 1613 CS2 20H2520	18-Feb-21	10:50:36
4	210218R1_4	ST210218R1_4 1613 CS3 20H2521	18-Feb-21	11:35:07
5	210218R1_5	ST210218R1_5 1613 CS4 20H2522	18-Feb-21	12:19:31
6	210218R1_6	ST210218R1_6 1613 CS5 20H2523	18-Feb-21	13:04:01
7	210218R1_7	SOLVENT BLANK	18-Feb-21	13:49:54
8	210218R1_8	SS210218R1_1 1613 SSS20H2524	18-Feb-21	14:34:09
9	210218R1_9			
10	210218R1_10	CPSM QC	18-Feb-21	16:04:39
11	210218R1_11	QC OPR	18-Feb-21	16:48:55
12	210218R1_12	ST210218R1_7 1613 CS3 21B1204	18-Feb-21	17:33:19

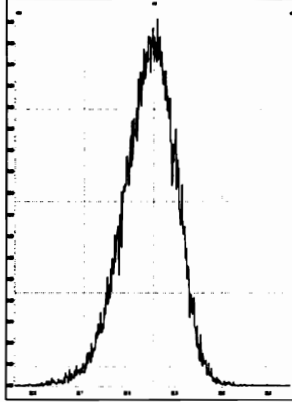
ⓐ instrument pause, injected CPSM
DF 02/19/21

ⓑ instrument paused re check printed
following day

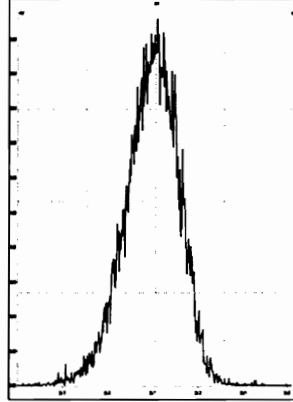
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, February 18, 2021 09:10:40 Pacific Standard Time

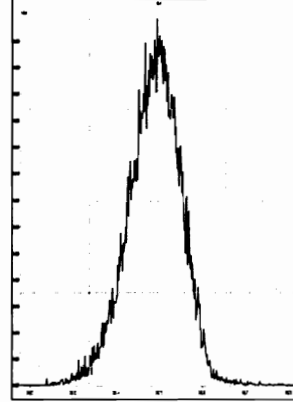
M 292.9824 R 11362



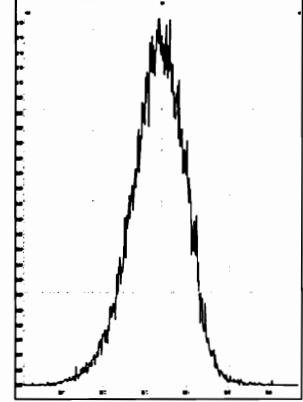
M 304.9824 R 11629



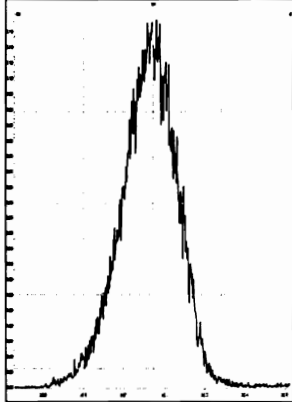
M 318.9792 R 11525



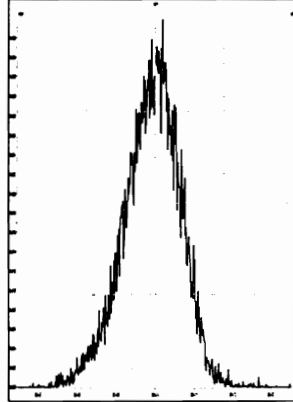
M 330.9792 R 10866



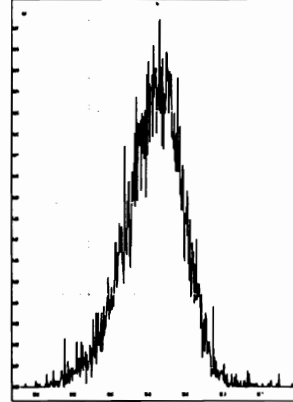
M 342.9792 R 10729



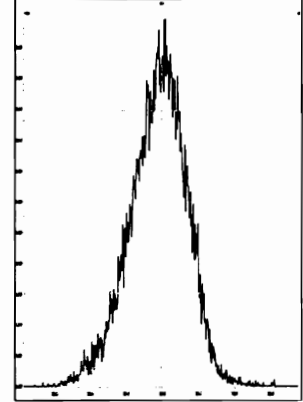
M 354.9792 R 10506



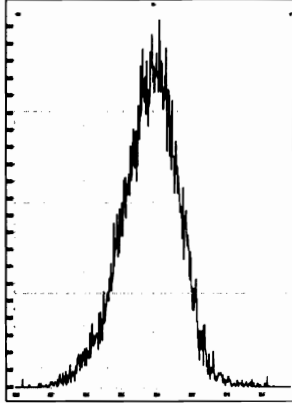
M 366.9792 R 11521



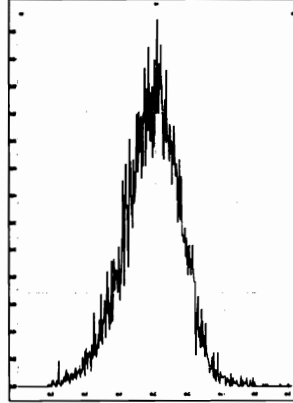
M 380.9760 R 10868



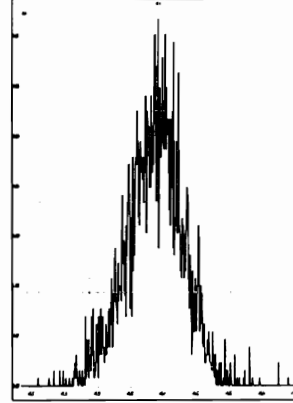
M 392.9760 R 10870



M 404.9760 R 11680



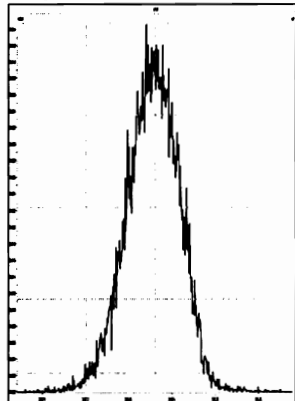
M 416.9760 R 11845



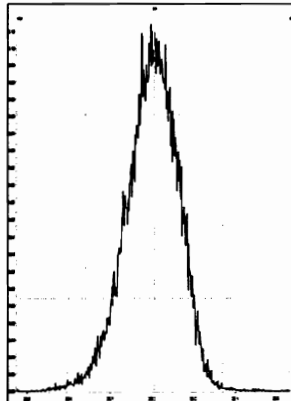
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, February 18, 2021 09:11:25 Pacific Standard Time

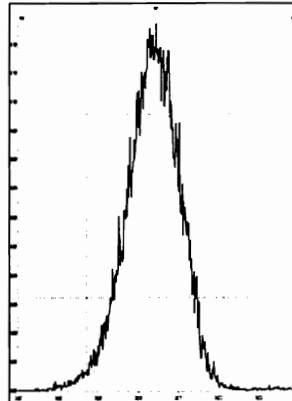
M 318.9792 R 12135



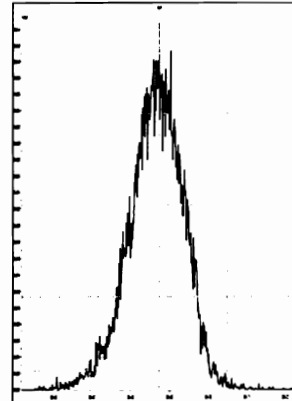
M 330.9792 R 11739



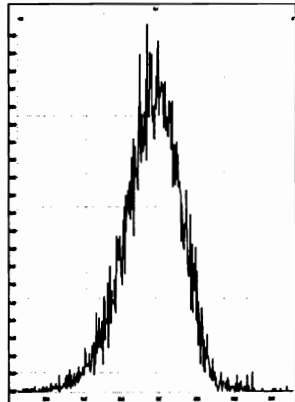
M 342.9792 R 11363



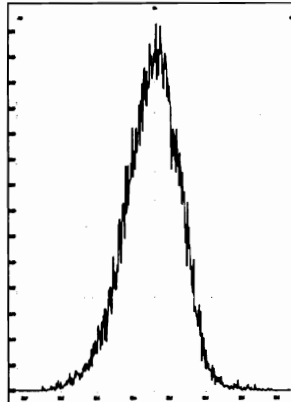
M 354.9792 R 12016



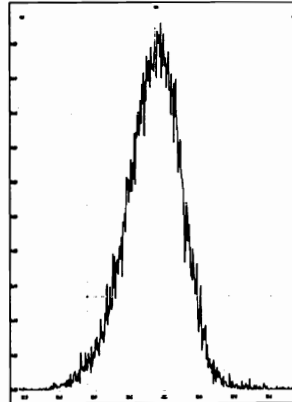
M 366.9792 R 10460



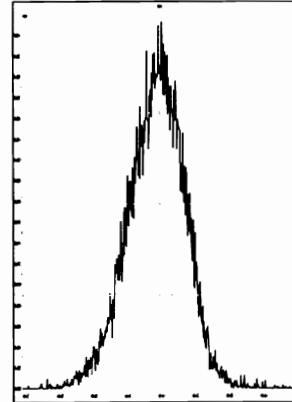
M 380.9760 R 10686



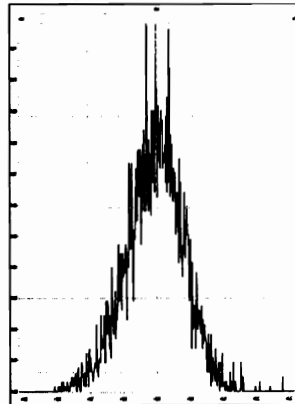
M 392.9760 R 10460



M 404.9760 R 10919



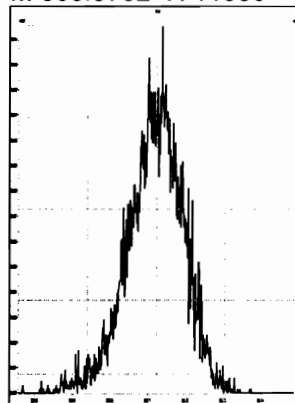
M 416.9760 R 11849



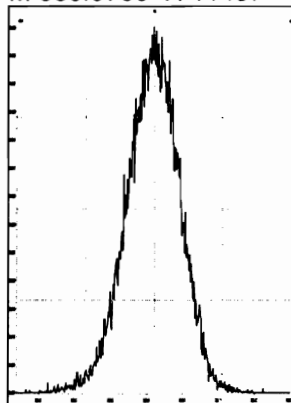
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Thursday, February 18, 2021 09:12:03 Pacific Standard Time

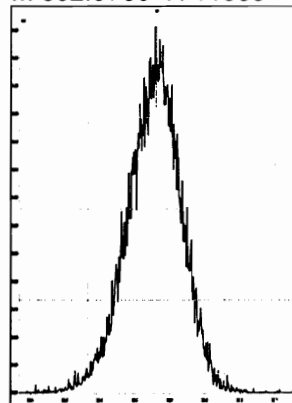
M 366.9792 R 11360



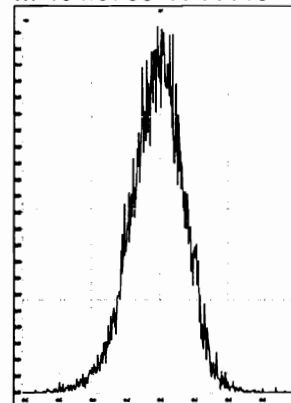
M 380.9760 R 11467



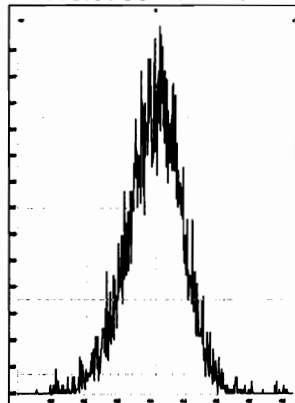
M 392.9760 R 11365



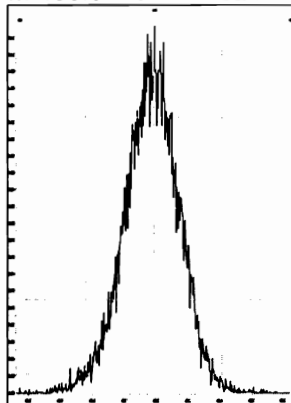
M 404.9760 R 11110



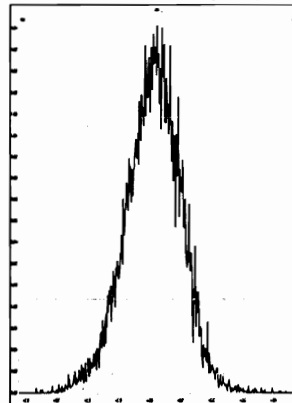
M 416.9760 R 11734



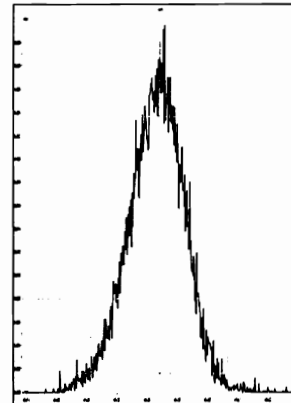
M 430.9728 R 11521



M 442.9728 R 10728



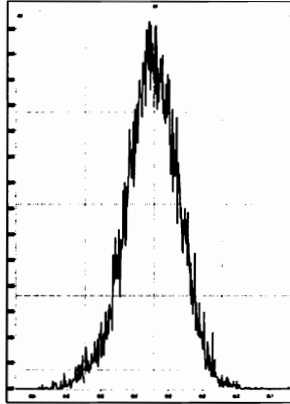
M 454.9728 R 11111



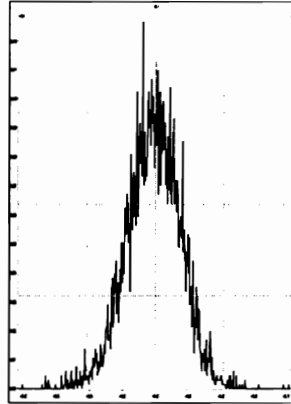
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, February 18, 2021 09:12:41 Pacific Standard Time

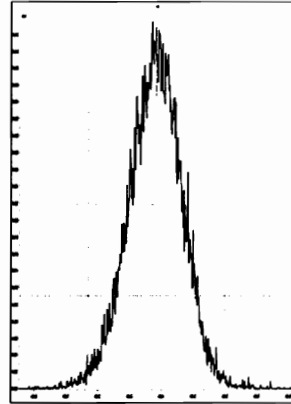
M 404.9760 R 10869



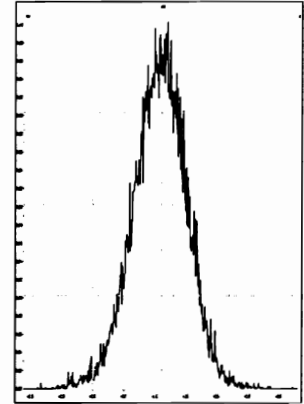
M 416.9760 R 11466



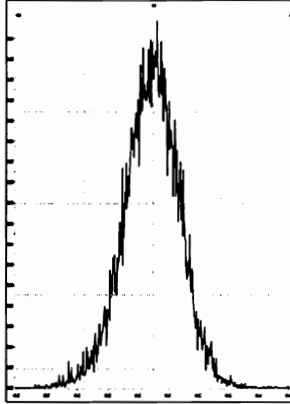
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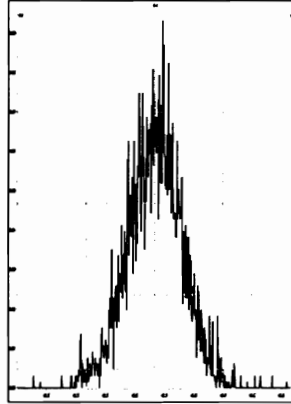
M 442.9728 R 11311



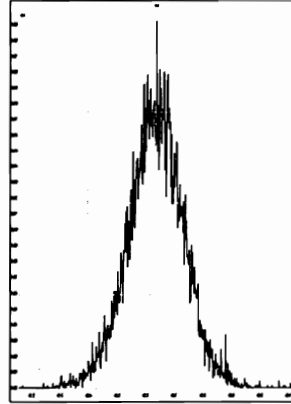
M 454.9728 R 10681



M 466.9728 R 12314



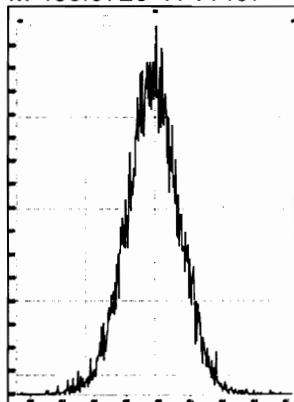
M 480.9696 R 11259



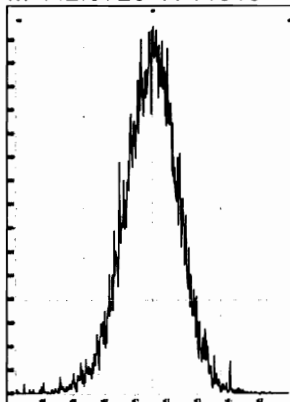
File: Experiment: OCDD_DIOXIN.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Thursday, February 18, 2021 09:13:18 Pacific Standard Time

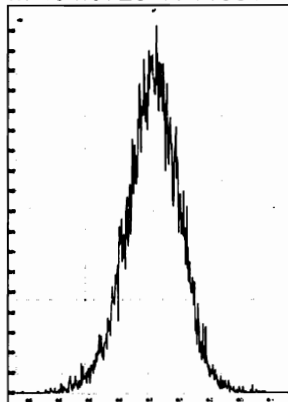
M 430.9728 R 11467



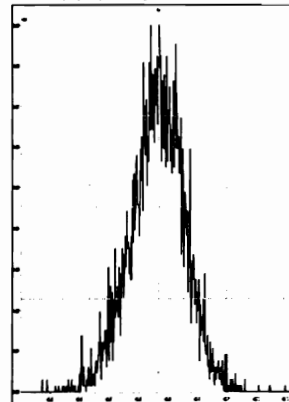
M 442.9728 R 11518



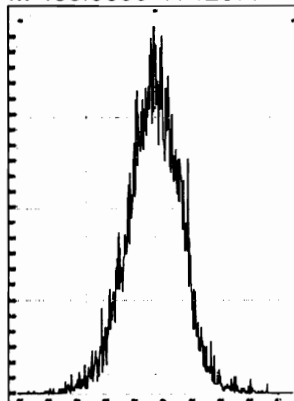
M 454.9728 R 11061



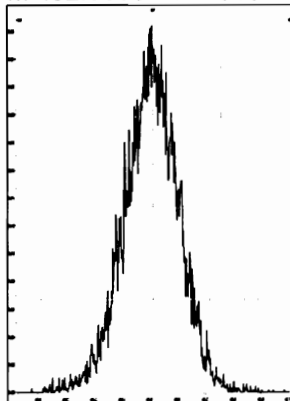
M 466.9728 R 11522



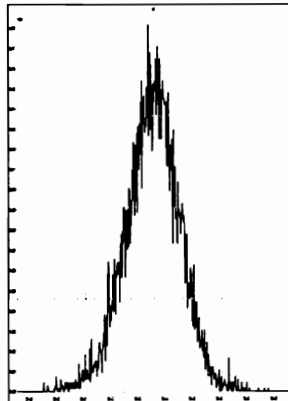
M 480.9696 R 12077



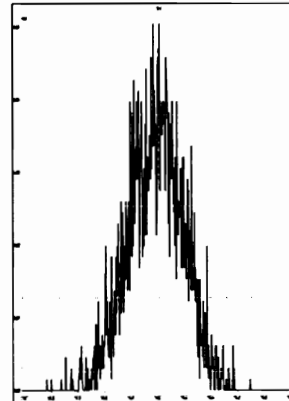
M 492.9696 R 11015



M 504.9696 R 11364



M 516.9697 R 11903



Dataset: Untitled

Last Altered: Friday, February 19, 2021 11:04:24 AM Pacific Standard Time
Printed: Friday, February 19, 2021 11:04:33 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 19 Feb 2021 11:04:36
Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 10:40:51

Name: 210218R1_4, Date: 18-Feb-2021, Time: 11:35:07, ID: ST210218R1_4 1613 CS3 20H2521, Description: 1613 CS3 20H2521

	# Name	RT
1	1 1,3,6,8-TCDD (First)	21.80
2	2 1,2,8,9-TCDD (Last)	26.94
3	3 1,2,4,7,9-PeCDD (First)	28.56
4	4 1,2,3,8,9-PeCDD (Last)	31.26
5	5 1,2,4,6,7,9-HxCDD (First)	32.61
6	6 1,2,3,7,8,9-HxCDD (Last)	34.58
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.93
8	8 1,2,3,4,6,7,8-HpCDD (Last)	38.05
9	9 1,3,6,8-TCDF (First)	19.62
10	10 1,2,8,9-TCDF (Last)	27.27
11	11 1,3,4,6,8-PeCDF (First)	26.82
12	12 1,2,3,8,9-PeCDF (Last)	31.62
13	13 1,2,3,4,6,8-HxCDF (First)	32.06
14	14 1,2,3,7,8,9-HxCDF (Last)	35.05
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.57
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.73

Dataset: Untitled

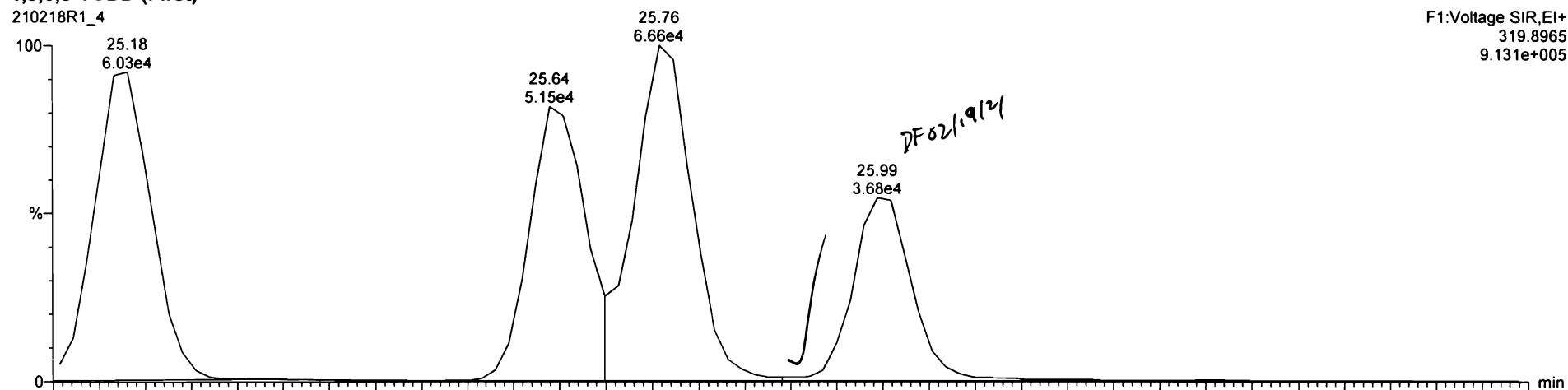
Last Altered: Friday, February 19, 2021 11:04:24 AM Pacific Standard Time
Printed: Friday, February 19, 2021 11:04:33 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\CPSM.mdb 19 Feb 2021 11:04:36
Calibration: U:\VG12.PRO\CurveDB\IdbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 10:40:51

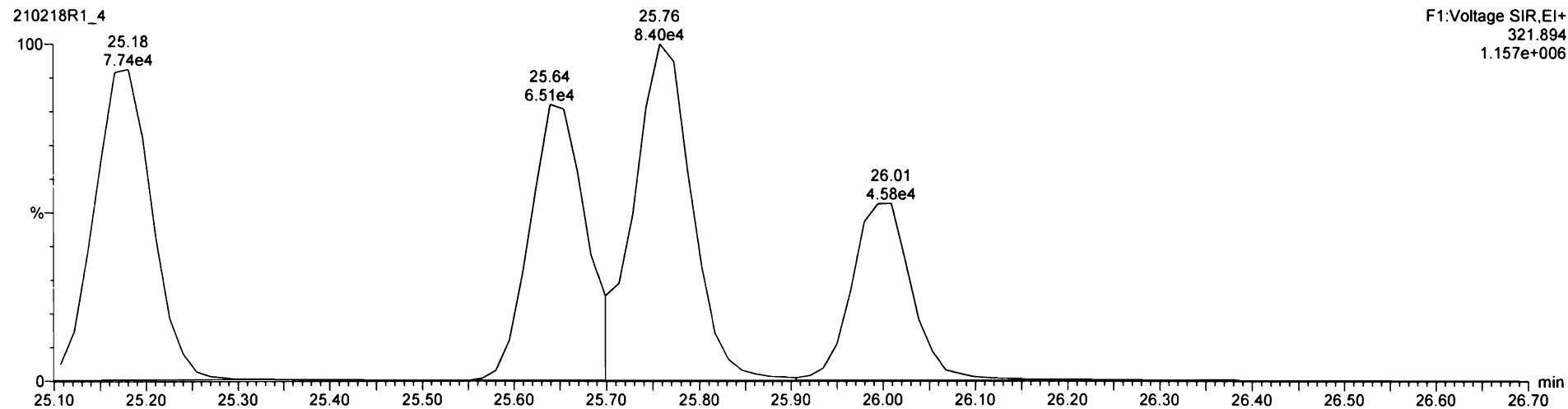
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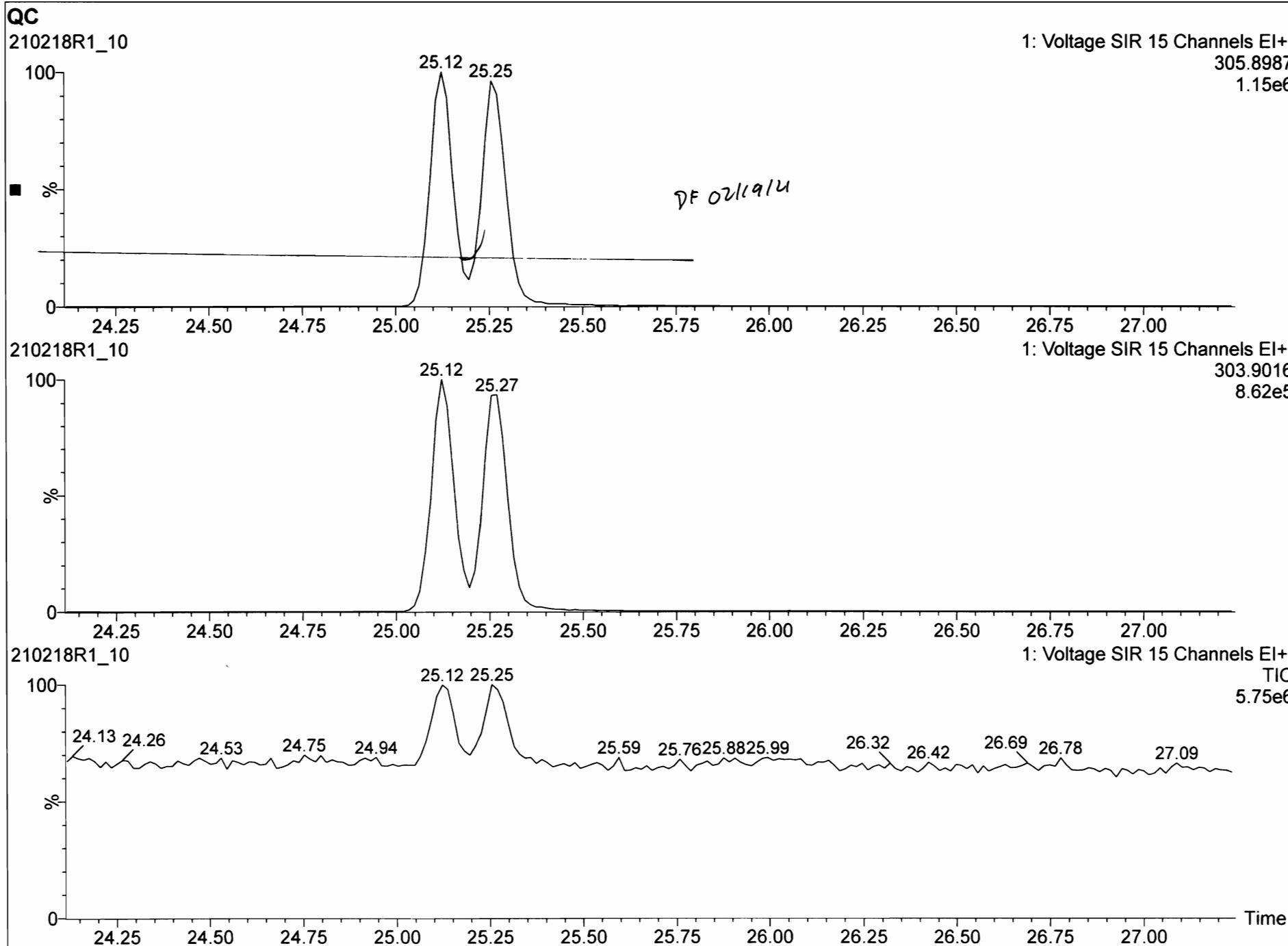
1,3,6,8-TCDD (First)

210218R1_4



210218R1_4





Dataset: Untitled

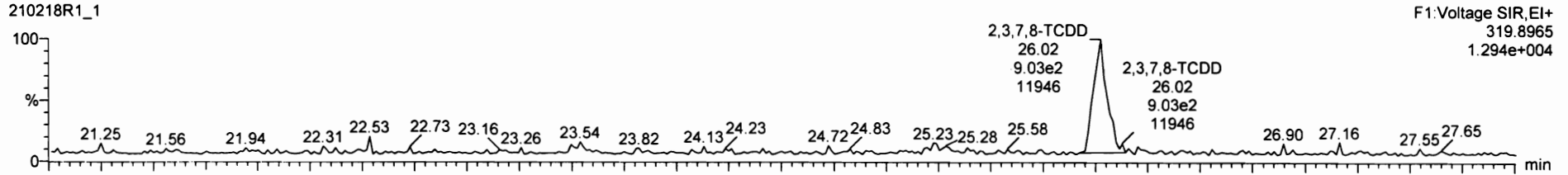
Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time
Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Method: U:\VG12.PRO\MethDB\1613rrt-02-17-21.mdb 17 Feb 2021 11:18:31
Calibration: U:\VG12.PRO\CurveDB\dbDIOXIN_1613vg12-2-18-21.cdb 18 Feb 2021 15:44:06

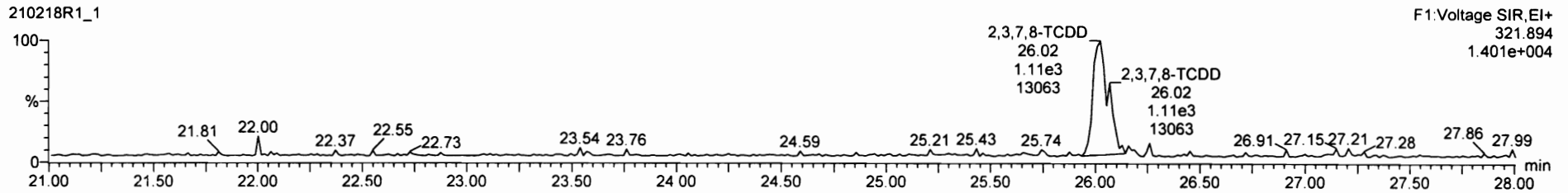
Name: 210218R1_1, Date: 18-Feb-2021, Time: 09:15:55, ID: ST210218R1_1 1613 CS0 20H2518, Description: 1613 CS0 20H2518

2,3,7,8-TCDD

210218R1_1

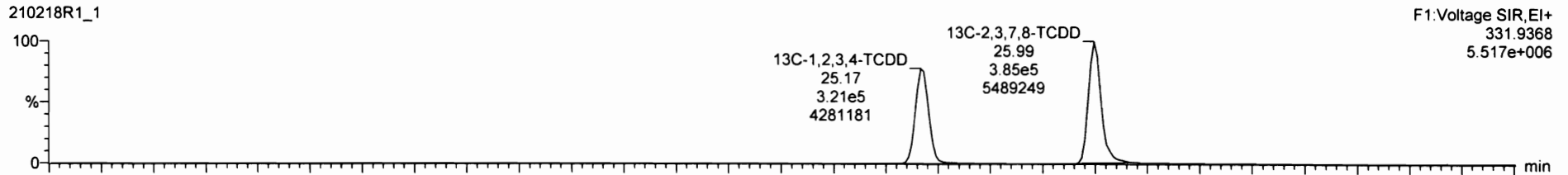


210218R1_1

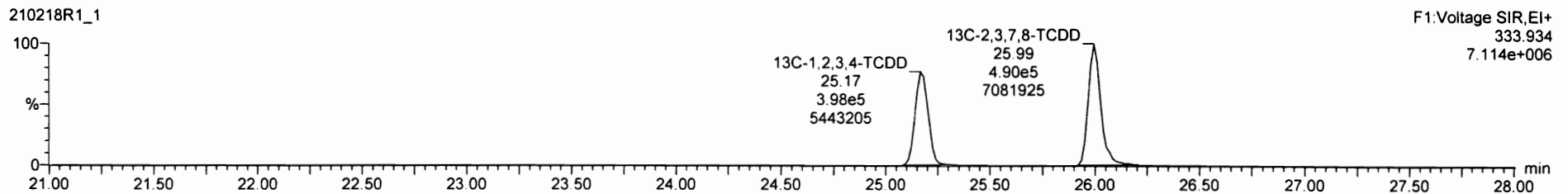


13C-2,3,7,8-TCDD

210218R1_1

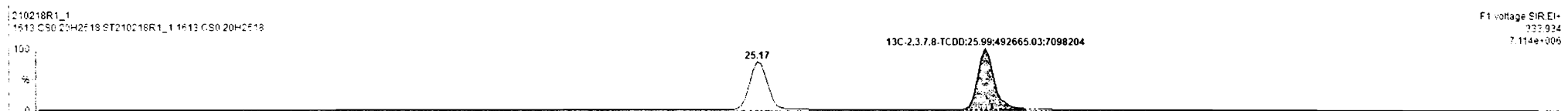
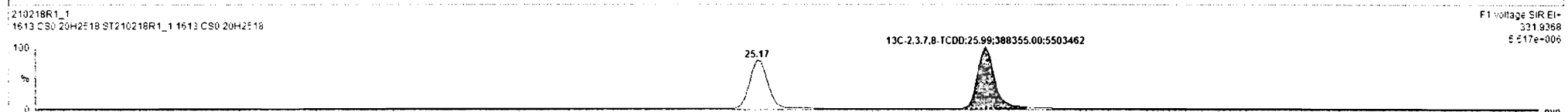
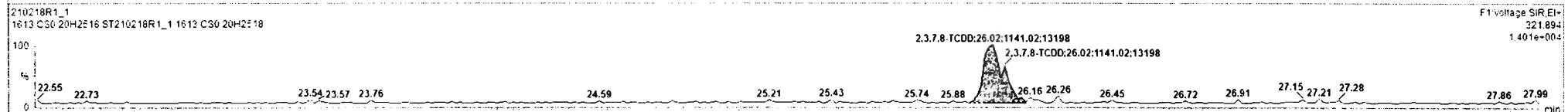
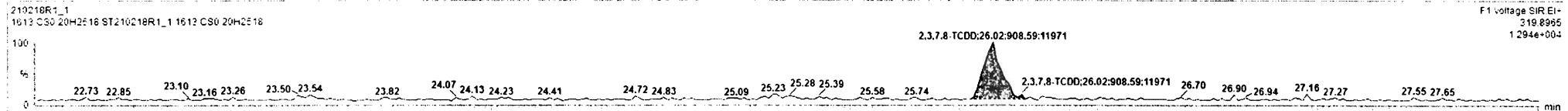


210218R1_1



210218R1_1 - ST210218R1_1 1613 CS0 20H2518 - 1613 CS0 20H2518

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.05e2	0.80	NO	1.01	1.000	26.02	1.001	0.231	92.3	0.0193	0.231
2 1,2,3,7,8-PeCDD	6.87e2	0.84	NO	1.00	1.000	30.90	1.000	1.22	97.8	0.0204	1.22
3 1,2,3,4,7,8-HxCDD	5.34e2	1.15	NO	1.02	1.000	34.21	1.001	1.19	95.3	0.0336	1.19
4 1,2,3,6,7,8-HxCDD	5.80e2	1.29	NO	0.94	1.000	34.31	1.000	1.22	97.3	0.0368	1.22
5 1,2,3,7,8,9-HxCDD	4.90e3	1.24	NO	0.96	1.000	34.58	1.000	1.16	92.6	0.0378	1.16
6 1,2,3,4,6,7,8-HpCDD	3.66e2	1.01	NO	0.98	1.000	36.06	1.000	1.25	100	0.0238	1.25
7 OCDD	6.43e2	0.82	NO	0.91	1.000	40.96	1.000	2.55	102	0.0678	2.55
8 2,3,7,8-TCDF	2.52e2	0.71	NO	0.60	1.000	25.28	1.001	0.245	97.9	0.0135	0.245
9 1,2,3,7,8-PeCDF	1.21e4	1.36	NO	0.99	1.000	29.80	1.000	1.22	97.4	0.0177	1.22
10 2,3,4,7,8-PeCDF	1.14e4	1.71	NO	1.14	1.000	30.70	1.000	1.22	97.7	0.0163	1.22
11 1,2,3,4,7,8-HxCDF	6.09e3	1.34	NO	0.96	1.000	33.32	1.001	1.14	91.5	0.0271	1.14
12 1,2,3,6,7,8-HxCDF	6.60e2	1.20	NO	0.90	1.000	32.45	1.000	1.18	94.5	0.0265	1.18
13 2,3,4,6,7,8-HxCDF	6.31e2	1.19	NO	0.98	1.000	34.10	1.000	1.17	93.2	0.0287	1.17
14 1,2,3,7,8,9-HxCDF	5.32e2	1.21	NO	0.93	1.000	35.09	1.001	1.21	96.5	0.0392	1.21
15 1,2,3,4,6,7,8-HpCDF	4.74e2	1.04	NO	0.98	1.000	36.58	1.001	1.21	96.5	0.0287	1.21
16 1,2,3,4,7,8,9-HpCDF	3.64e2	1.00	NO	1.10	1.000	38.73	1.000	1.20	95.8	0.0313	1.20
17 OCDF	6.63e2	0.95	NO	0.77	1.000	41.23	1.000	2.43	97.3	0.0362	2.43



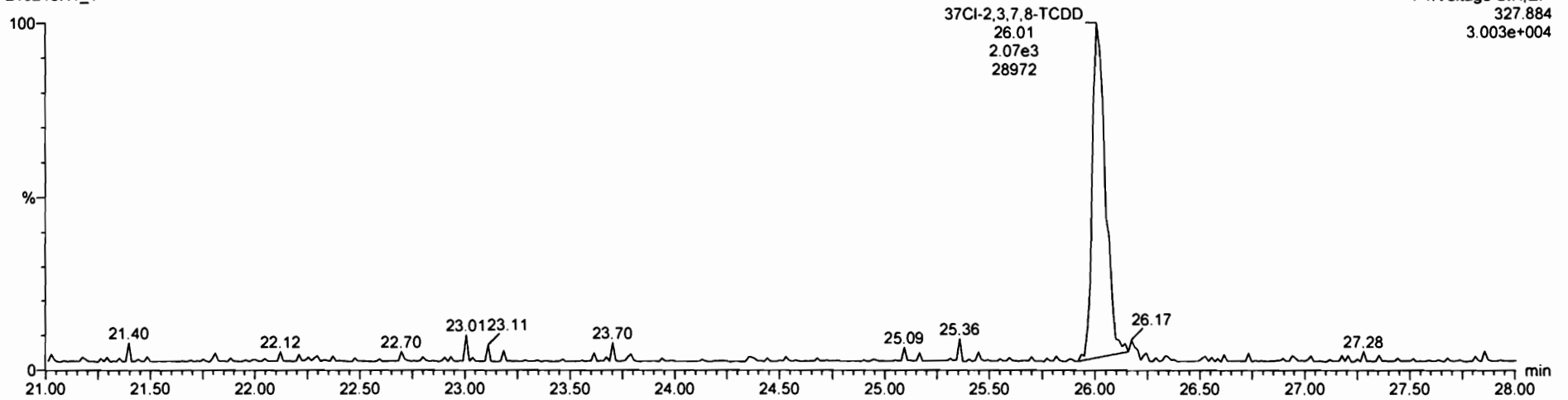
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_1, Date: 18-Feb-2021, Time: 09:15:55, ID: ST210218R1_1 1613 CS0 20H2518, Description: 1613 CS0 20H2518

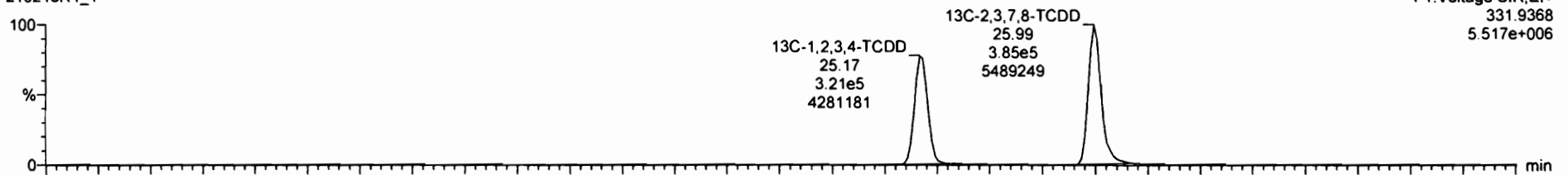
37Cl-2,3,7,8-TCDD

210218R1_1

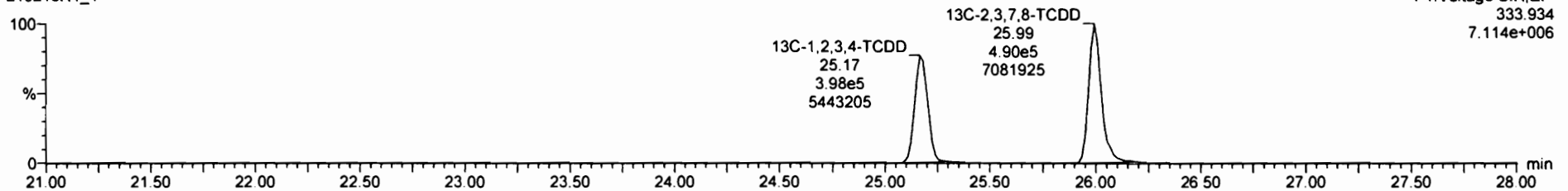


13C-1,2,3,4-TCDD

210218R1_1



210218R1_1



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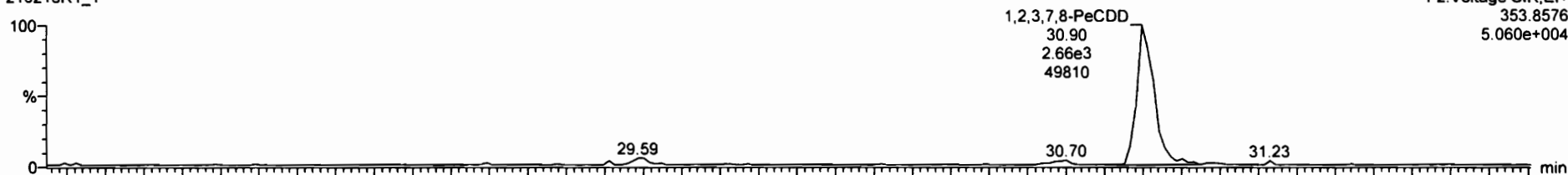
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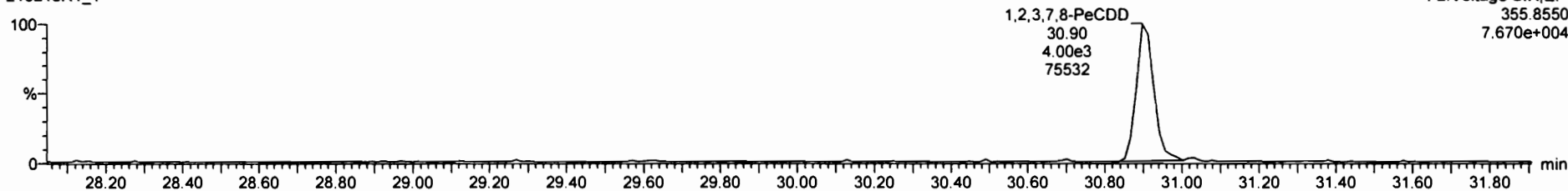
1,2,3,7,8-PeCDD

210218R1_1



F2:Voltage SIR,EI+
353.8576
5.060e+004

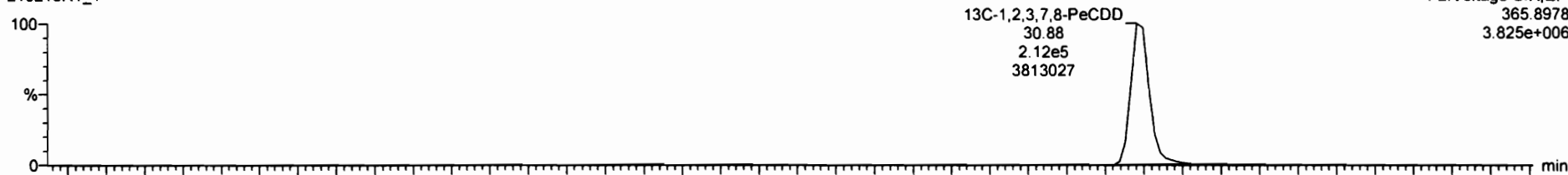
210218R1_1



F2:Voltage SIR,EI+
355.8550
7.670e+004

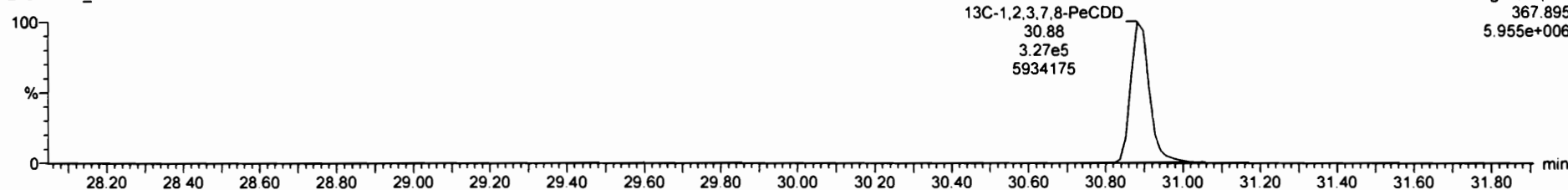
13C-1,2,3,7,8-PeCDD

210218R1_1



F2:Voltage SIR,EI+
365.8978
3.825e+006

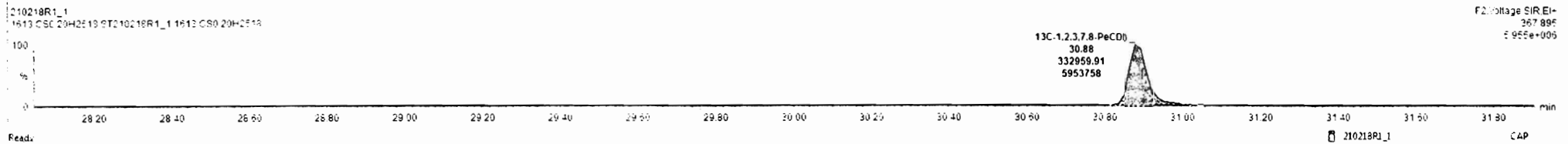
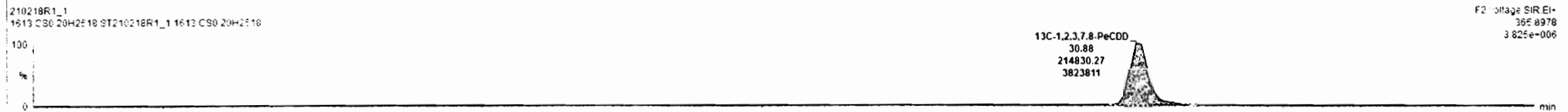
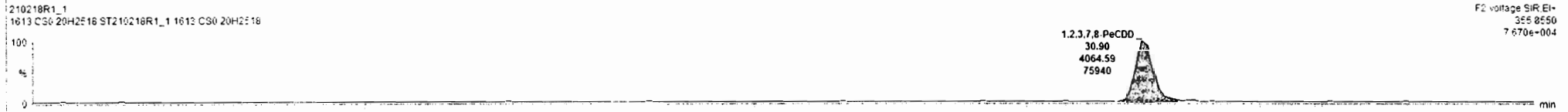
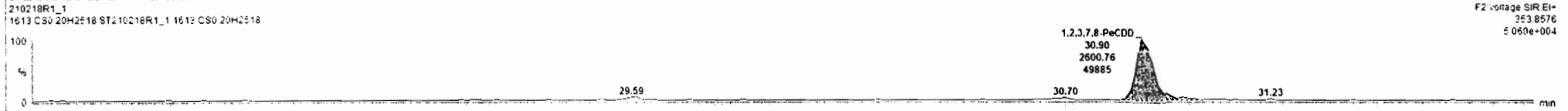
210218R1_1



F2:Voltage SIR,EI+
367.895
5.955e+006

210218R1_1 - ST210218R1_1 1613 CS0 20H2518 - 1613 CS0 20H2518

Name	Resp	RA	n/y	RRF	wtVol	RT	ARRT	Conc.	%Rec	DL	EMPC
40 Total Penta-Dioxins				1.00	1.000			1.22	0.0204	1.22	
41 Total Hexa-Dioxins				0.94	1.000			3.57	0.0354	3.57	
42 Total Hepta-Dioxins				0.95	1.000			1.25	0.0138	1.25	
43 Total Tetra-Furans				0.80	1.000			0.245	0.0135	0.245	
44 1st Func. Penta-Furans				0.99	1.000				0.00284		
45 Total Penta-Furans				0.99	1.000			2.44	0.0181	2.44	
46 Total Hexa-Furans				0.92	1.000			4.70	0.0252	4.70	
47 Total Hepta-Furans				0.96	1.000			2.40	0.0216	2.40	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											



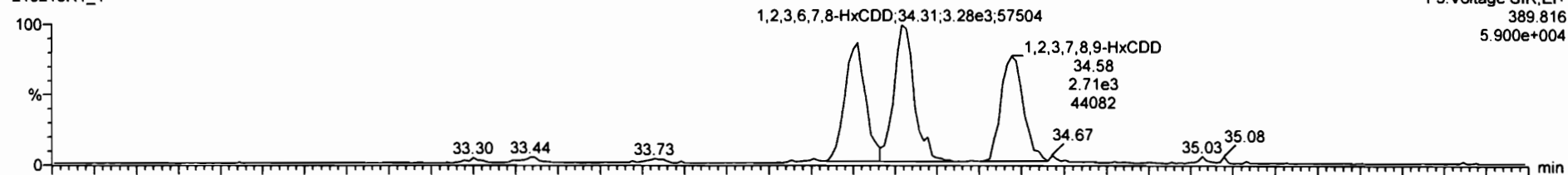
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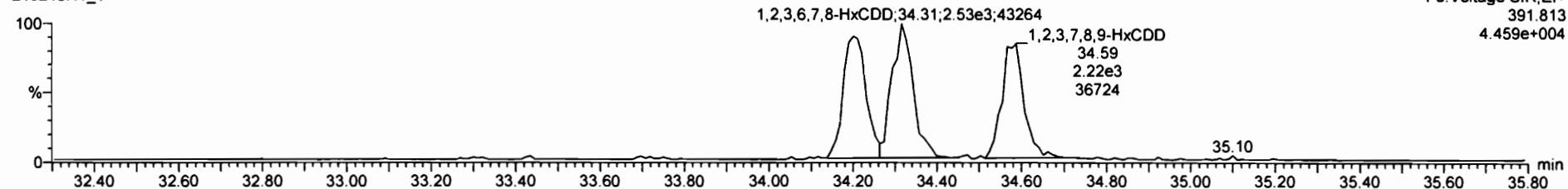
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1,2,3,4,7,8-HxCDD

210218R1_1

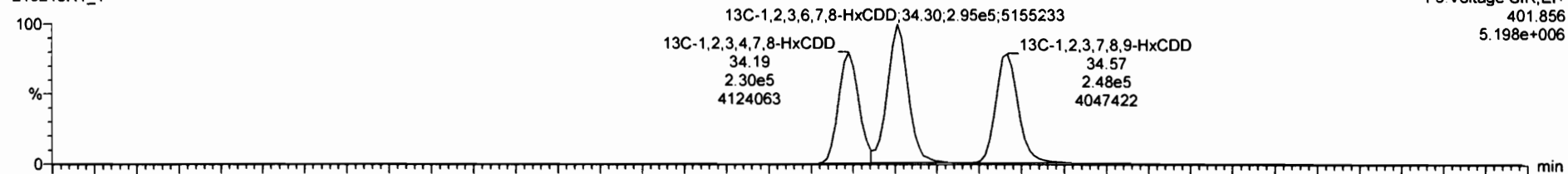


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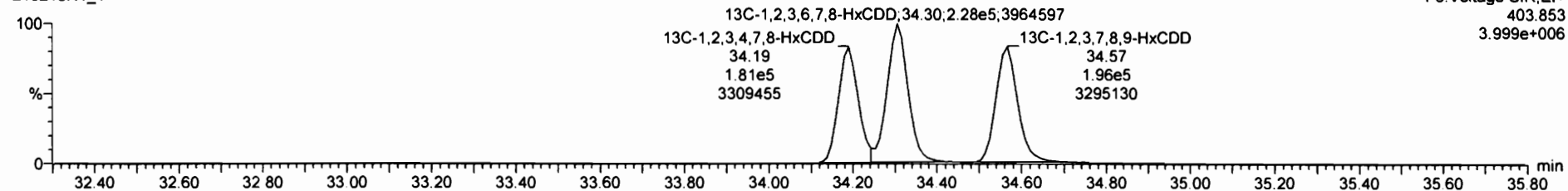


13C-1,2,3,4,7,8-HxCDD

210218R1_1

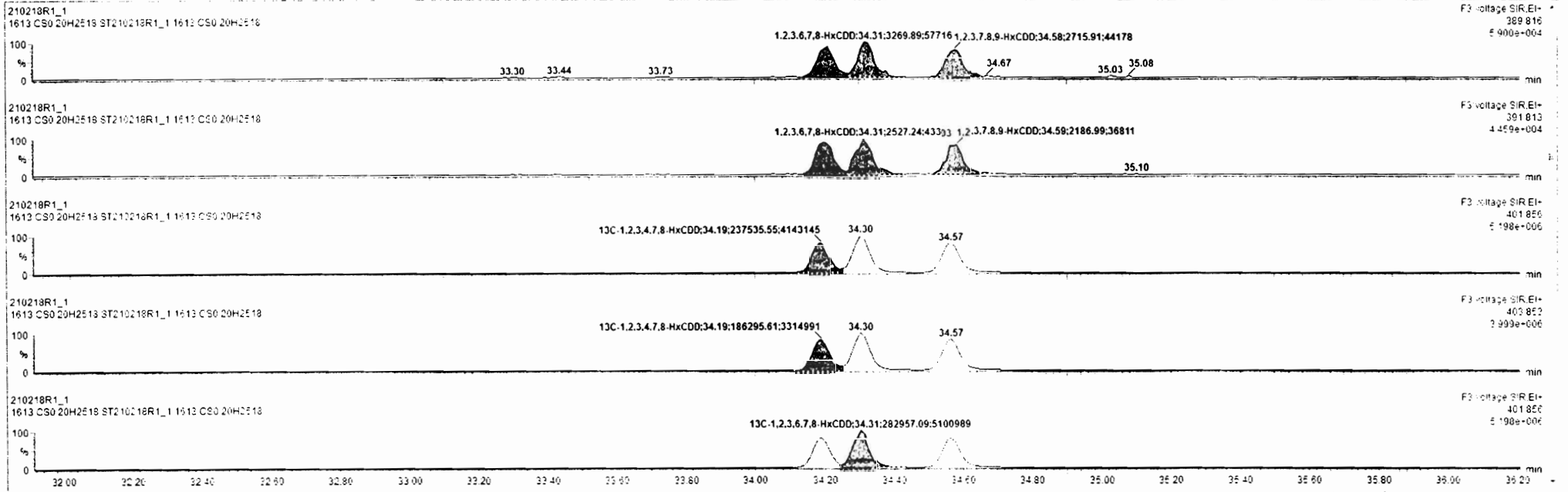


210218R1_1



210218R1_1 - ST210218R1_1 1613 CS0 20H2518 - 1613 CS0 20H2518

Name	Resp	RA	n/y	RRF	w/wct	RT	RRT	Conc.	%Rec	DL	EMPC
39 Total Tetra-Dioxins				1.01	1.000			0.231	0.0192	0.231	
40 Total Penta-Dioxins				1.00	1.000			1.22	0.0204	1.22	
41 Total Hexa-Dioxins				0.94	1.000			3.57	0.0354	3.56	
42 Total Hepta-Dioxins				0.96	1.000			1.25	0.0532	1.25	
43 Total Tetra-Furans				0.80	1.000			0.245	0.0135	0.245	
44 1st Func. Penta-Furans				0.99	1.000				0.00254		
45 Total Penta-Furans				0.99	1.000			2.44	0.0181	2.44	
46 Total Hexa-Furans				0.96	1.000			4.70	0.0292	4.70	
47 Total Hepta-Furans				0.96	1.000			2.40	0.0316	2.40	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											



Custom Reporting: Select reports to generate

210218R1_1

CAP NUM

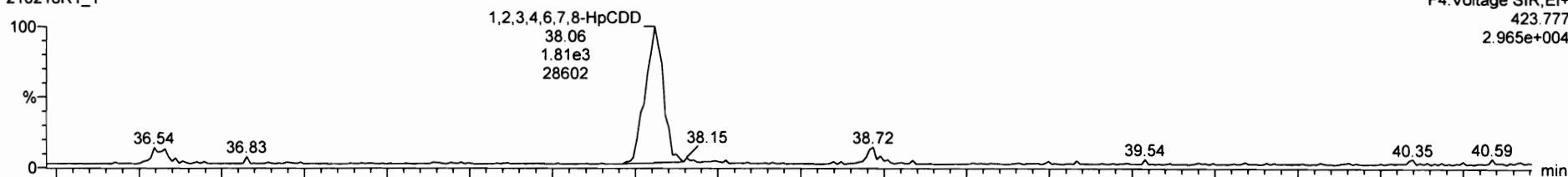
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

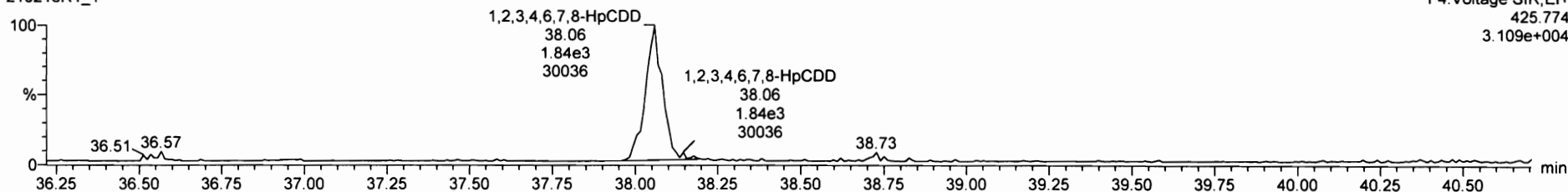
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1,2,3,4,6,7,8-HpCDD

210218R1_1

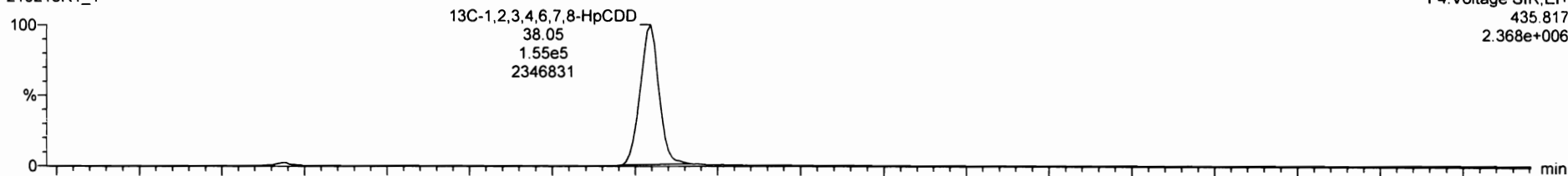


210218R1_1

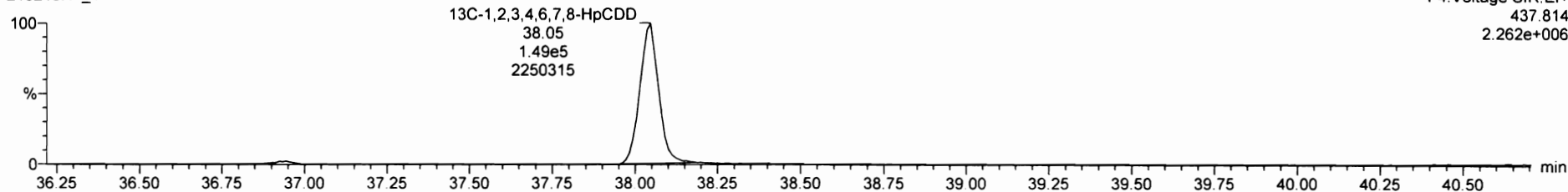


¹³C-1,2,3,4,6,7,8-HpCDD

210218R1_1

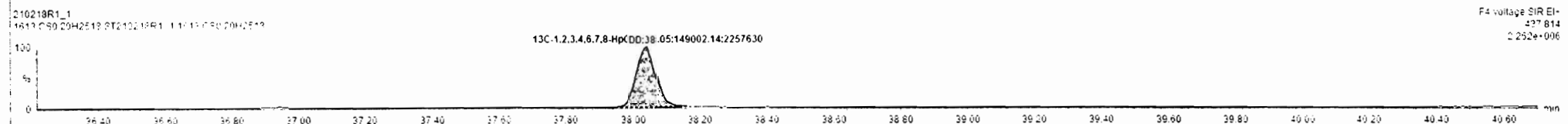
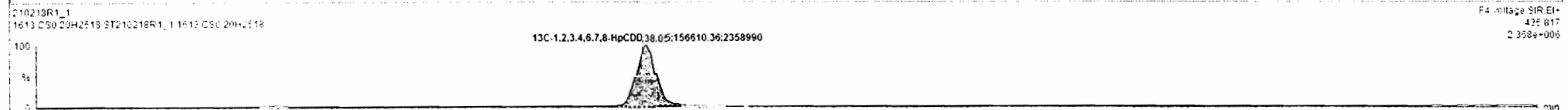
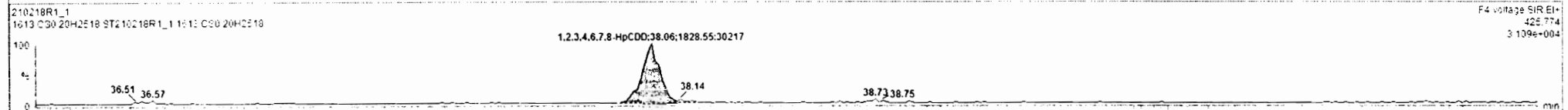
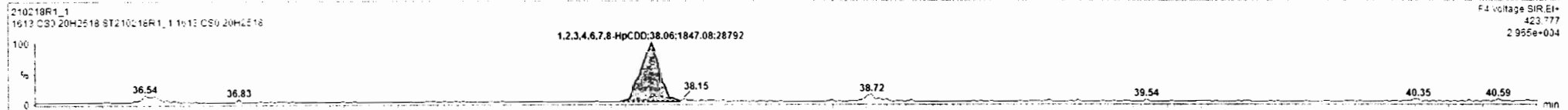


210218R1_1



210218R1_1 - ST210218R1_1 1613 CS0 20H2518 - 1613 CS0 20H2518

Name	Resp	RA	n _y	RRF	wtvol	RT	RRT	Conc	%Rec	DL	EMPC
40 Total Penta-Dioxins				1.00	1.000			1.22	0.0204	1.22	
41 Total Hexa-Dioxins				0.94	1.000			2.57	0.0154	3.56	
42 Total Hepta-Dioxins				0.96	1.000			1.25	0.0538	1.25	
43 Total Tetra-Furans				0.00	1.000			0.245	0.0125	0.245	
44 1st Func Penta-Furans				0.95	1.000				0.00254		
45 Total Penta-Furans				0.98	1.000			2.44	0.0151	2.44	
46 Total Hexa-Furans				0.95	1.000			4.70	0.0252	4.70	
47 Total Hepta-Furans				0.96	1.000			2.40	0.0218	2.40	
48 PFK1											
49 PFK2											
50 PFK3											
51 PFK4											
52 PFK5											
53 DPE1											
54 DPE2											
55 DPE3											
56 DPE4											



Dataset: Untitled

Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time

Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_1, Date: 18-Feb-2021, Time: 09:15:55, ID: ST210218R1_1 1613 CS0 20H2518, Description: 1613 CS0 20H2518

OCDD

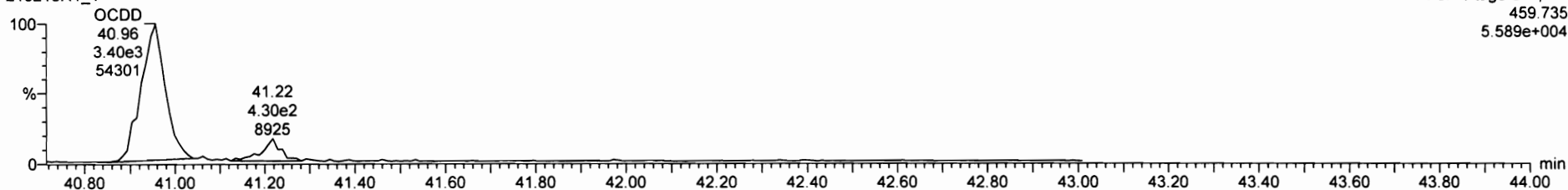
210218R1_1

F5:Voltage SIR,EI+
457.738
4.218e+004



210218R1_1

F5:Voltage SIR,EI+
459.735
5.589e+004



13C-OCDD

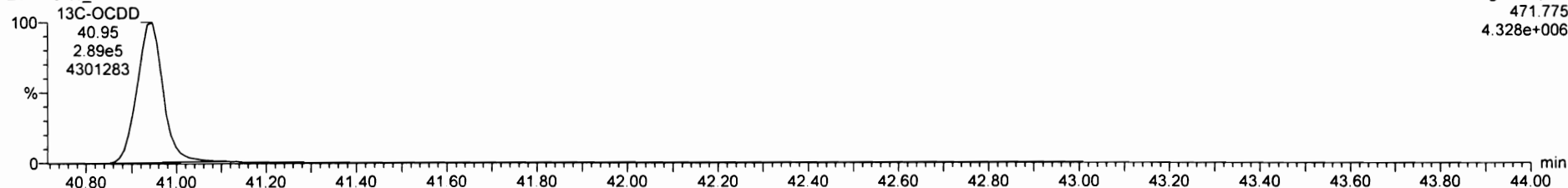
210218R1_1

F5:Voltage SIR,EI+
469.778
4.023e+006



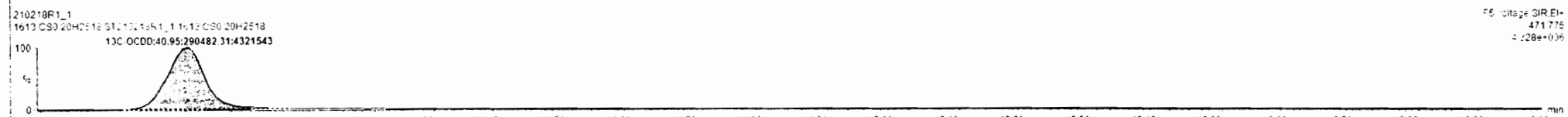
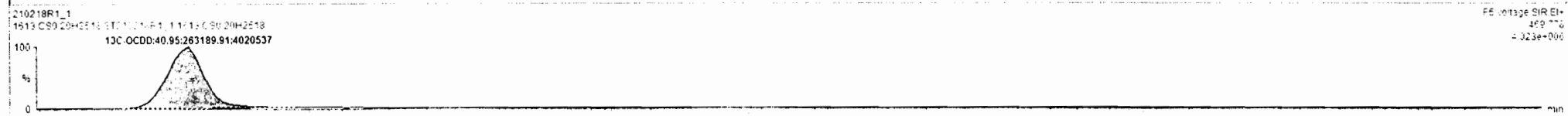
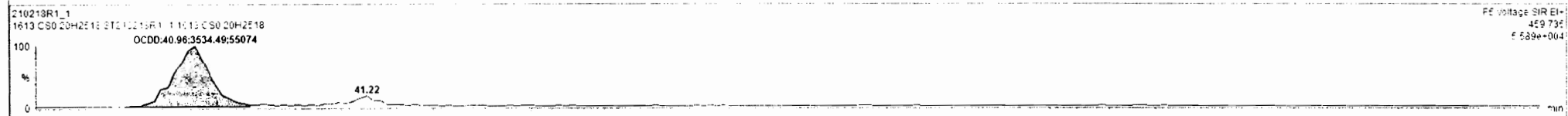
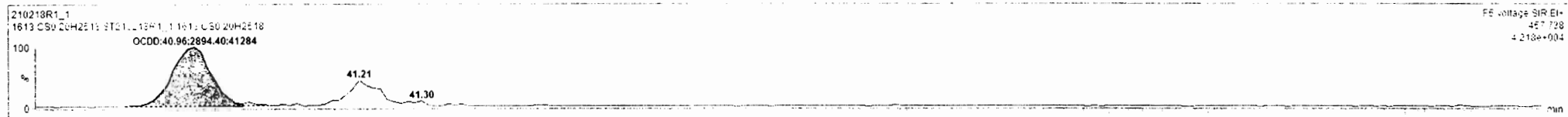
210218R1_1

F5:Voltage SIR,EI+
471.775
4.328e+006



210218R1_1 - ST210218R1_1 1613 CS0 20H2518 - 1613 CS0 20H2518

#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	643e3	0.82	NO	0.91	1.000	40.96	1.000	2.55	102	0.0678	2.55
8	2,3,7,8-TCDF	252e2	0.71	NO	0.80	1.000	25.25	1.001	0.245	97.9	0.0135	0.245
9	1,2,3,7,8-PeCDF	121e4	1.36	NO	0.95	1.000	29.60	1.000	1.22	97.4	0.0177	1.22
10	2,3,4,7,8-PeCDF	114e4	1.71	NO	1.14	1.000	39.70	1.000	1.22	97.7	0.0163	1.22
11	1,2,3,4,7,8-HxCDF	605e2	1.34	NO	0.96	1.000	33.32	1.001	1.14	91.5	0.0271	1.14
12	1,2,3,6,7,8-HxCDF	600e2	1.20	NO	0.90	1.000	33.45	1.000	1.18	94.5	0.0285	1.18
13	2,3,4,6,7,8-HxCDF	531e2	1.19	NO	0.96	1.000	34.10	1.000	1.17	93.2	0.0287	1.17
14	1,2,3,7,8,9-HxCDF	533e2	1.21	NO	0.92	1.000	35.06	1.001	1.21	96.5	0.0252	1.21
15	1,2,3,4,6,7,8-HxCDF	474e2	1.04	NO	0.95	1.000	36.55	1.001	1.21	96.5	0.0237	1.21
16	1,2,3,4,7,8,9-HxCDF	324e2	1.00	NO	1.10	1.000	38.73	1.000	1.20	95.8	0.0312	1.20
17	OCDF	535e2	0.85	NO	0.77	1.000	41.23	1.000	2.42	97.2	0.0260	2.42
18	13C-2,3,7,8-TCDD	381e5	0.79	NO	1.15	1.000	25.99	1.033	106	106	0.115	
19	13C-1,2,3,7,8-PeCDD	445e5	0.84	NO	0.85	1.000	35.88	1.227	51.0	51.0	0.117	
20	13C-1,2,3,4,7,8-HxCDD	404e5	1.27	NO	0.70	1.000	34.19	1.014	97.8	97.8	0.190	
21	13C-1,2,3,6,7,8-HxCDD	407e5	1.26	NO	0.81	1.000	34.21	1.017	102	102	0.165	
22	13C-1,2,3,7,8,9-HxCDD	442e5	1.26	NO	0.73	1.000	34.57	1.025	97.9	97.9	0.182	
23	13C-1,2,3,4,6,7,8-HxCDD	306e5	1.05	NO	0.50	1.000	38.05	1.123	95.5	95.5	0.375	

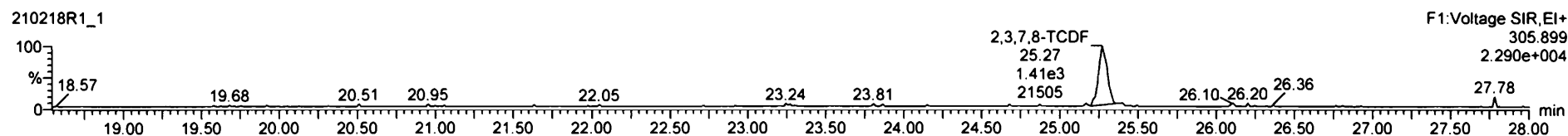
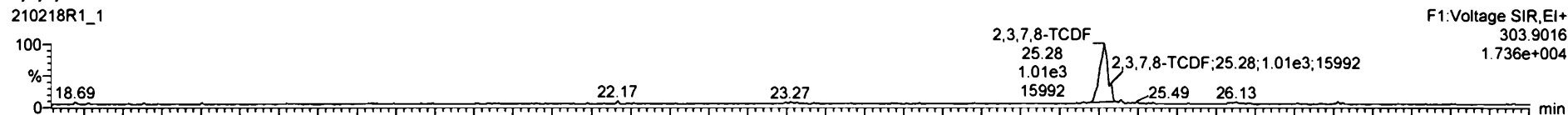


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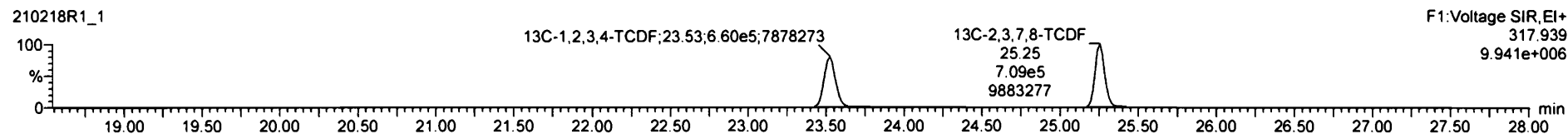
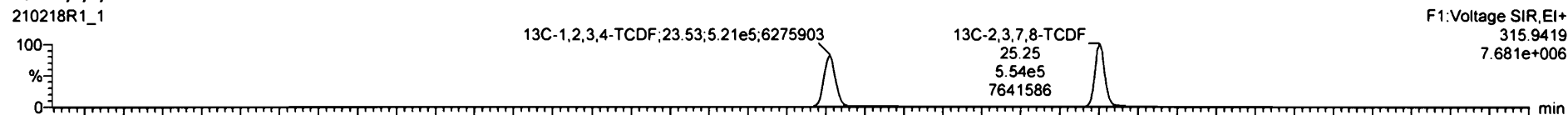
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_1, Date: 18-Feb-2021, Time: 09:15:55, ID: ST210218R1_1 1613 CS0 20H2518, Description: 1613 CS0 20H2518

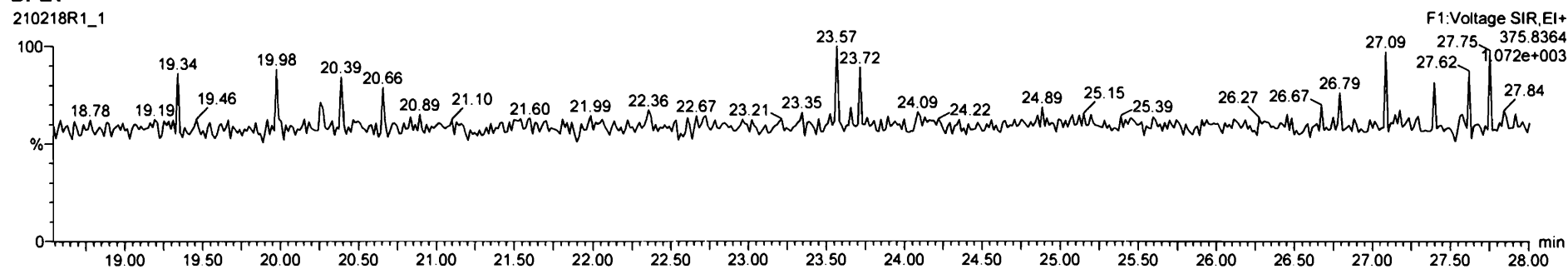
2,3,7,8-TCDF



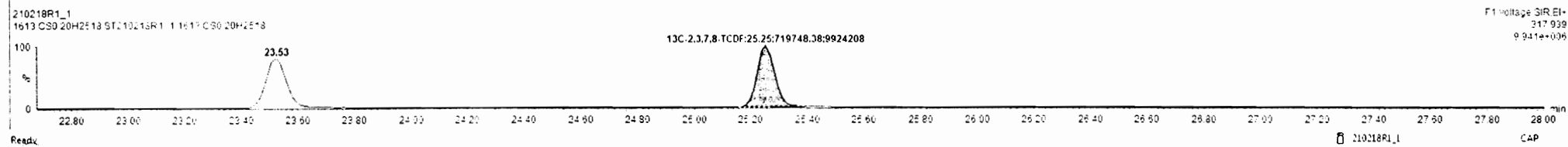
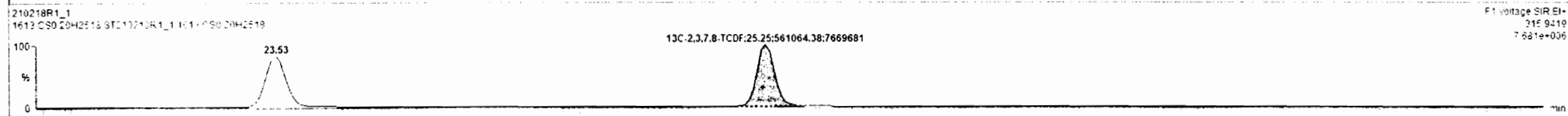
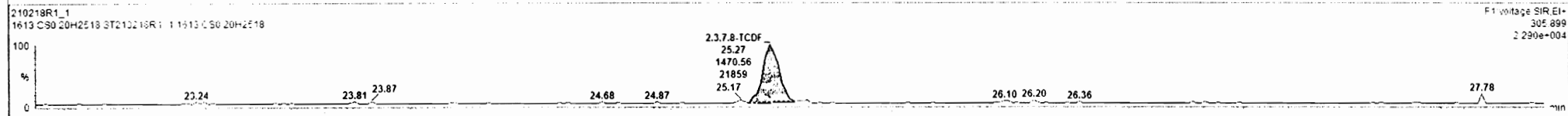
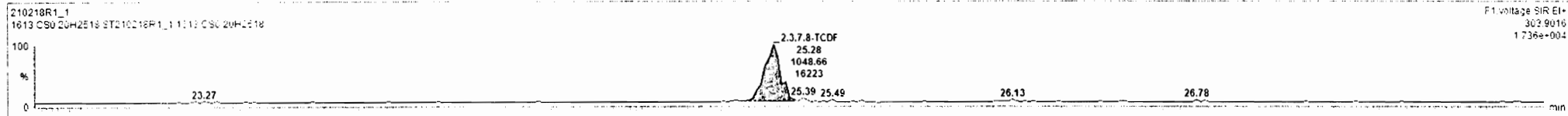
13C-2,3,7,8-TCDF



DPE1



#	Name	Resp	RA	ny	RRF	wfVol	RT	RRT	Conc	NRec	DL	EMPC
7	OCDD	6.43e2	0.82	NO	0.91	1.000	40.96	1.000	2.55	102	0.0678	2.55
8	2,3,7,8-TCDF	2.52e3	0.71	NO	0.80	1.000	25.28	1.001	0.245	97.9	0.0135	0.245
9	1,2,3,7,8-PeCDF	1.21e4	1.26	NO	0.95	1.000	29.60	1.000	1.22	97.4	0.0177	1.22
10	2,3,4,7,8-PeCDF	1.14e4	1.71	NO	1.14	1.000	30.70	1.000	1.22	97.7	0.0162	1.22
11	1,2,3,4,7,8-HxCDF	6.05e2	1.34	NO	0.95	1.000	33.32	1.001	1.14	91.5	0.0271	1.14
12	1,2,3,6,7,8-HxCDF	6.05e2	1.20	NO	0.90	1.000	33.45	1.000	1.13	94.5	0.0255	1.13
13	2,3,4,6,7,8-HxCDF	6.31e2	1.19	NO	0.96	1.000	34.10	1.000	1.17	93.0	0.0287	1.17
14	1,2,3,7,8,9-HxCDF	5.33e2	1.21	NO	0.93	1.000	35.06	1.001	1.21	96.5	0.0352	1.21
15	1,2,3,4,6,7,8-HpCDF	4.74e2	1.04	NO	0.95	1.000	36.55	1.001	1.21	96.5	0.0257	1.21
16	1,2,3,4,7,8,9-HpCDF	3.94e2	1.00	NO	1.10	1.000	38.73	1.000	1.20	95.2	0.0313	1.20
17	OCDF	6.88e2	0.85	NO	0.77	1.000	41.23	1.000	2.43	97.7	0.0362	2.43
18	13C-2,3,7,8-TCDD	8.81e2	0.79	NO	1.15	1.000	25.99	1.023	108	108	0.115	
19	13C-1,2,3,7,8-PeCDD	5.45e2	0.84	NO	0.83	1.000	30.88	1.227	91.0	91.0	0.117	
20	13C-1,2,3,4,7,8-HxCDD	4.24e2	1.27	NO	0.70	1.000	34.19	1.014	97.8	97.3	0.150	
21	13C-1,2,3,6,7,8-HxCDD	5.07e2	1.26	NO	0.81	1.000	34.31	1.017	102	102	0.155	
22	13C-1,2,3,7,8,9-HxCDD	4.42e2	1.22	NO	0.73	1.000	34.57	1.025	97.9	97.9	0.152	
23	13C-1,2,3,4,6,7,8-HpCDD	3.08e2	1.05	NO	0.50	1.000	38.05	1.122	95.3	95.3	0.175	

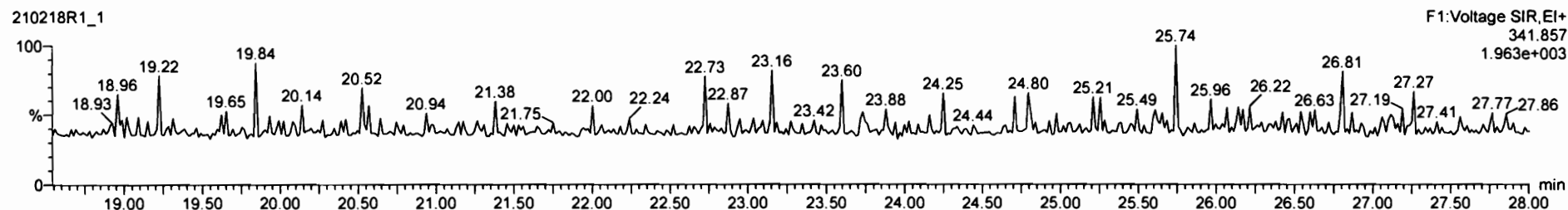
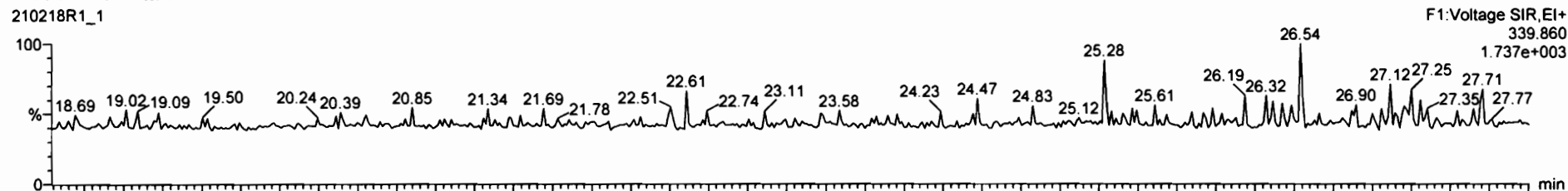


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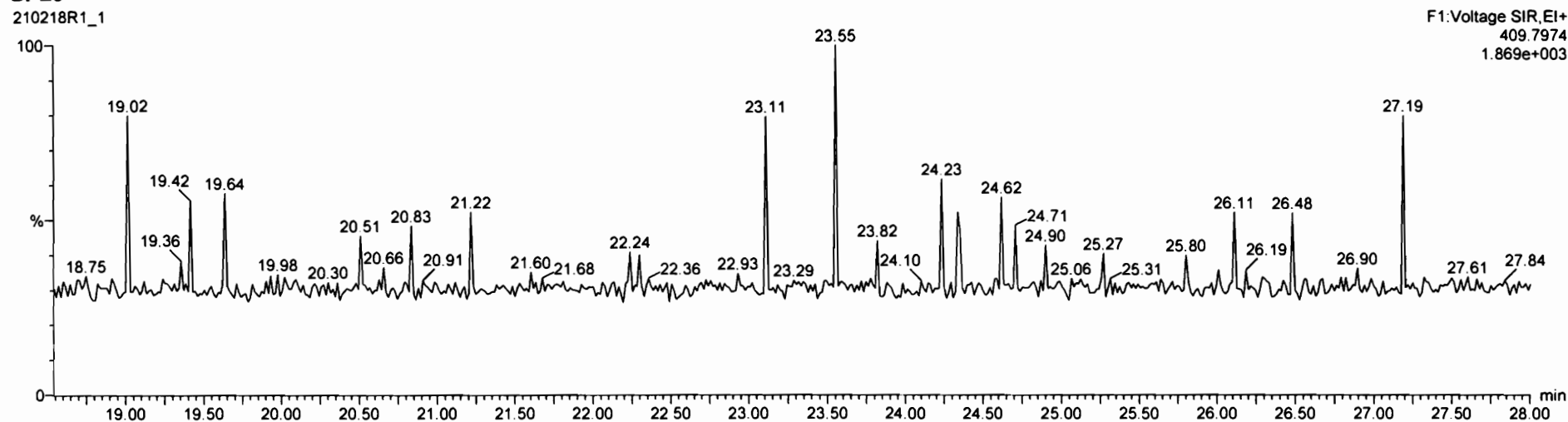
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_1, Date: 18-Feb-2021, Time: 09:15:55, ID: ST210218R1_1 1613 CS0 20H2518, Description: 1613 CS0 20H2518

1st Func. Penta-Furans



DPE6

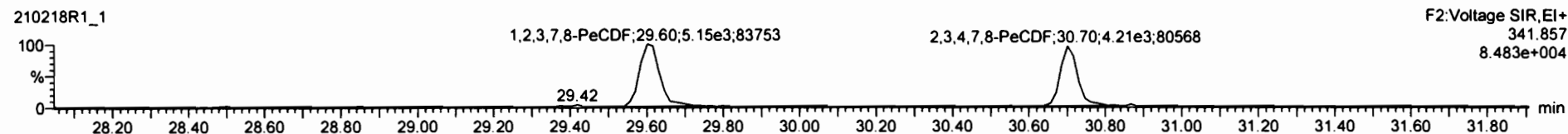
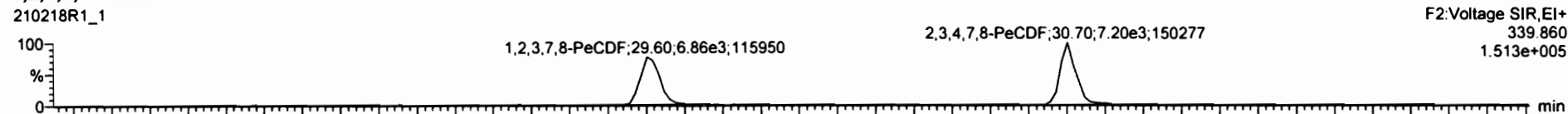


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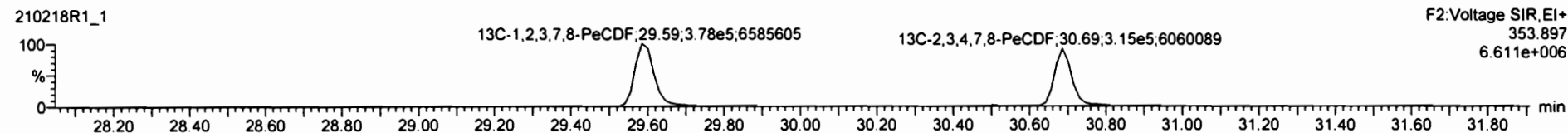
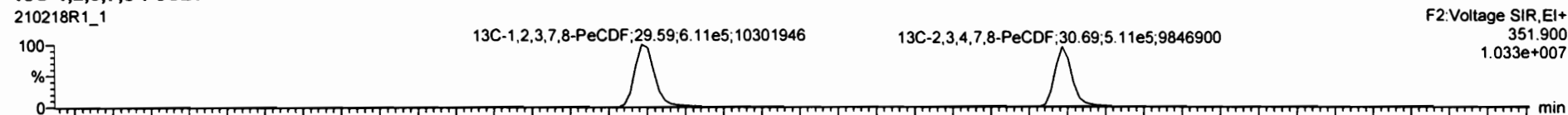
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_1, Date: 18-Feb-2021, Time: 09:15:55, ID: ST210218R1_1 1613 CS0 20H2518, Description: 1613 CS0 20H2518

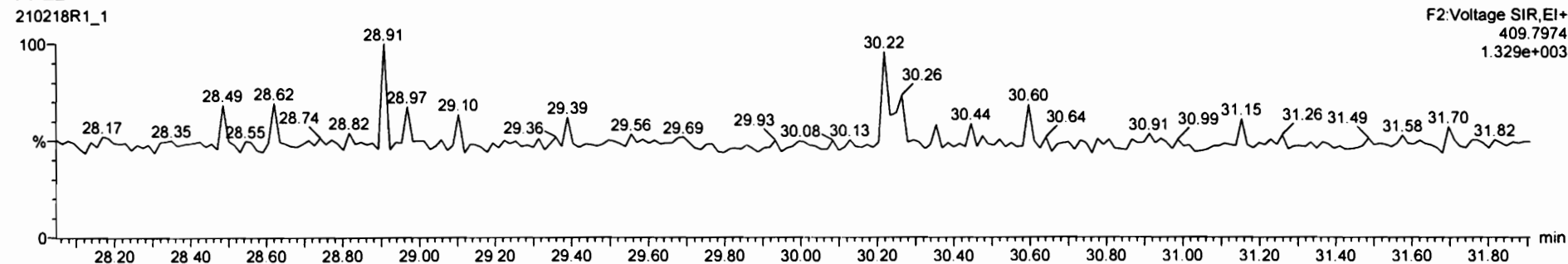
1,2,3,7,8-PeCDF



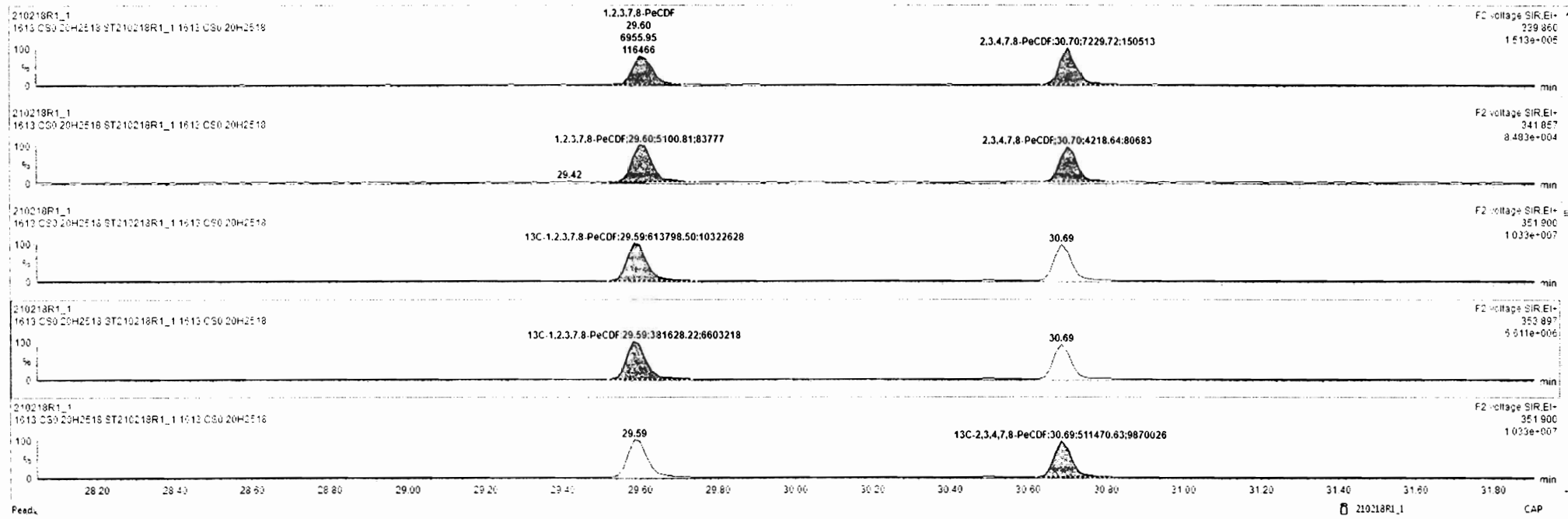
13C-1,2,3,7,8-PeCDF



DPE2



#	Name	Resp	RA	ny	RRF	wtVol	RT	RRT	Conc	%Rec	EL	EMPC
33	13C-1,2,3,4,7,8-HpCDF	2.78e5	0.42	NO	0.48	1.000	32.72	1.142	94.8	94.8	0.442	
34	13C-OCDF	7.31e5	0.88	NO	0.83	1.000	41.22	1.222	185	92.8	0.250	
35	3TC-2,3,7,8-TCDF	2.13e3			1.04	1.000	26.01	1.037	0.283	113	0.6127	
36	13C-1,2,3,4-TCDF	7.25e5	0.79	NO	1.00	1.000	25.17	1.000	100	100	0.133	
37	13C-1,2,3,4-TCDF	1.20e6	0.79	NO	1.00	1.000	23.52	1.000	100	100	0.145	
38	13C-1,2,3,4,6,9-HxCDF	6.15e5	0.50	NO	1.00	1.000	33.73	1.000	100	100	0.241	
39	Total Tetra-Dioxins				1.01	1.000			0.231		0.0193	0.231
40	Total Penta-Dioxins				1.00	1.000			1.22		0.0204	1.22
41	Total Hexa-Dioxins				0.94	1.000			3.57		0.0354	3.55
42	Total Hepta-Dioxins				0.96	1.000			1.25		0.0538	1.25
43	Total Tetra-Furans				0.80	1.000			0.245		0.0135	0.245
44	1st Func Penta-Furans				0.99	1.000					0.00284	
45	Total Penta-Furans				0.99	1.000			2.44		0.0181	2.44
46	Total Hexa-Furans				0.96	1.000			4.70		0.0252	4.70
47	Total Hepta-Furans				0.96	1.000			2.40		0.0316	2.40
48	PFK1											
49	PFK2											



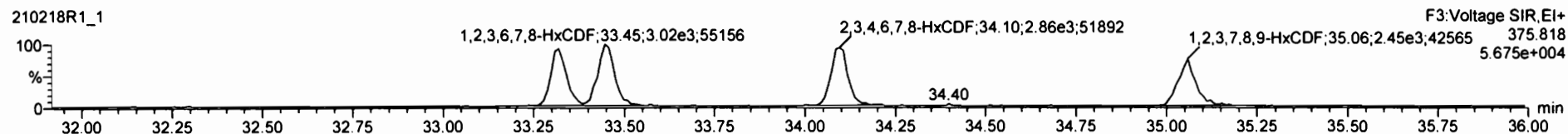
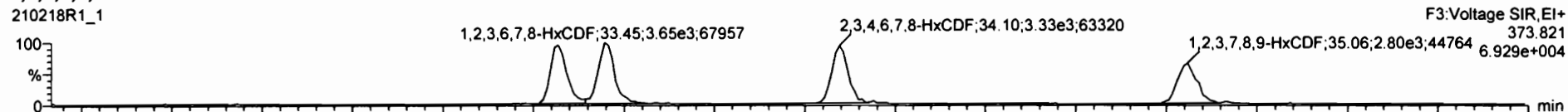
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Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time

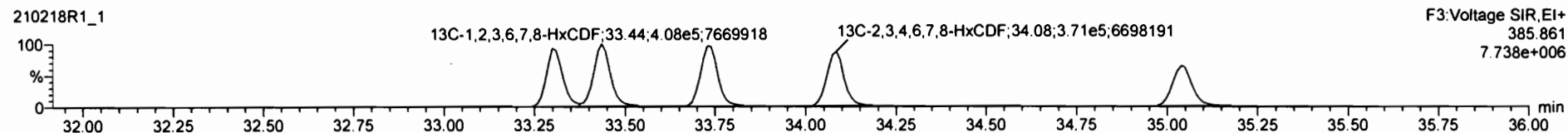
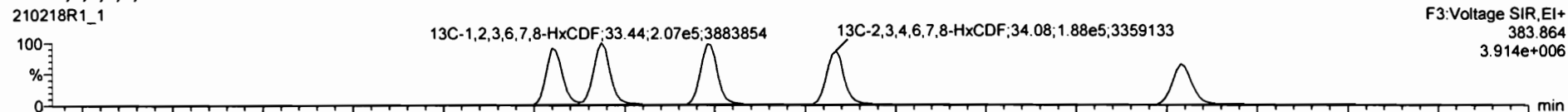
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Name: 210218R1_1, Date: 18-Feb-2021, Time: 09:15:55, ID: ST210218R1_1 1613 CS0 20H2518, Description: 1613 CS0 20H2518

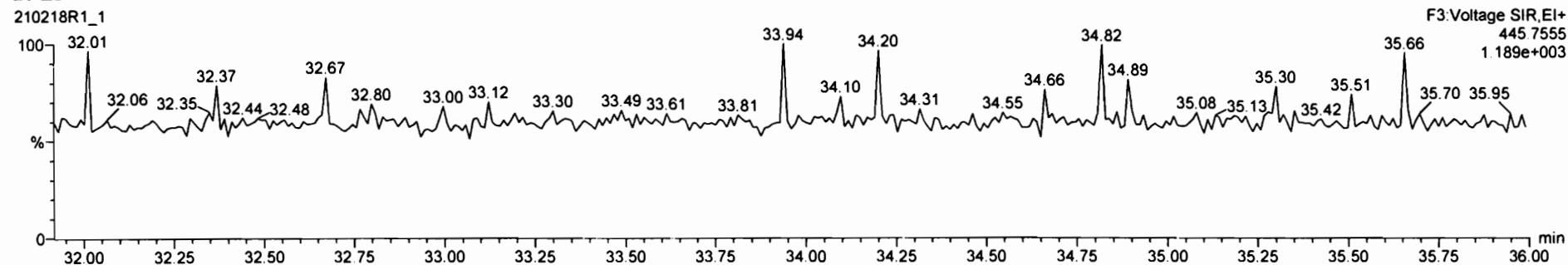
1,2,3,4,7,8-HxCDF



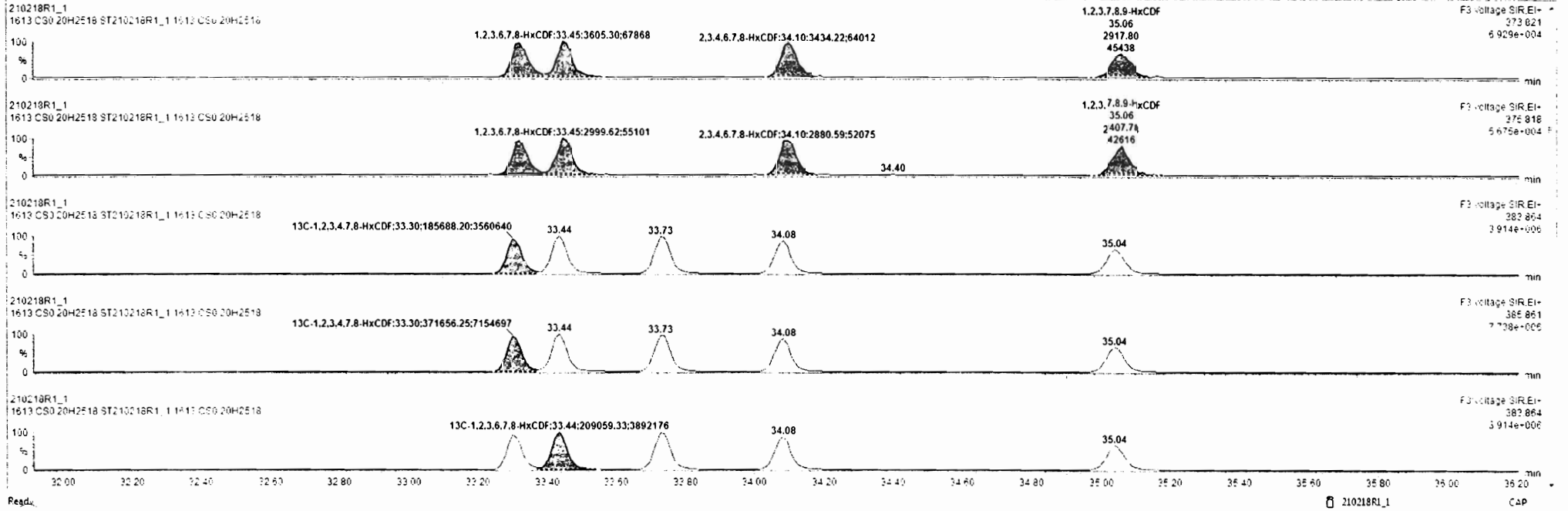
13C-1,2,3,4,7,8-HxCDF



DPE3



#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HxCDF	2.72e5	0.42	NO	0.48	1.000	33.72	1.148	94.0	94.8	0.442	
34	13C-OCDF	7.71e5	0.85	NO	0.63	1.000	41.22	1.222	186	93.5	0.253	
35	37Cl-2,3,7,8-TCDD	2.13e2			1.04	1.000	26.01	1.033	0.283	113	0.0127	
36	13C-1,2,3,4-TCDF	7.25e5	0.75	NO	1.00	1.000	25.17	1.000	100	100	0.133	
37	13C-1,2,3,4-TCDF	1.00e6	0.75	NO	1.00	1.000	23.52	1.000	100	100	0.145	
38	13C-1,2,3,4,6,9-HxCDF	6.16e5	0.50	NO	1.00	1.000	33.73	1.000	100	100	0.241	
39	Total Tetra-Dioxins				1.01	1.000			0.231		0.0193	0.231
40	Total Penta-Dioxins				1.00	1.000			1.22		0.0204	1.22
41	Total Hexa-Dioxins				0.94	1.000			3.57		0.0354	3.55
42	Total Hepta-Dioxins				0.96	1.000			1.25		0.0038	1.25
43	Total Tetra-Furans				0.80	1.000			0.245		0.0135	0.245
44	1st Func. Penta-Furans				0.95	1.000					0.00284	
45	Total Penta-Furans				0.99	1.000			2.44		0.0181	2.44
46	Total Hexa-Furans				0.86	1.000			4.70		0.0292	4.70
47	Total Hepta-Furans				0.95	1.000			2.40		0.0316	2.40
48	PFK1											
49	PFK2											

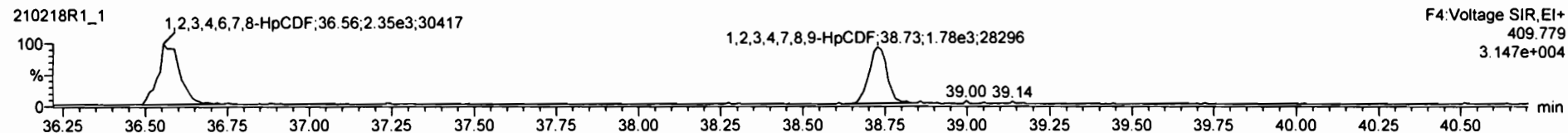
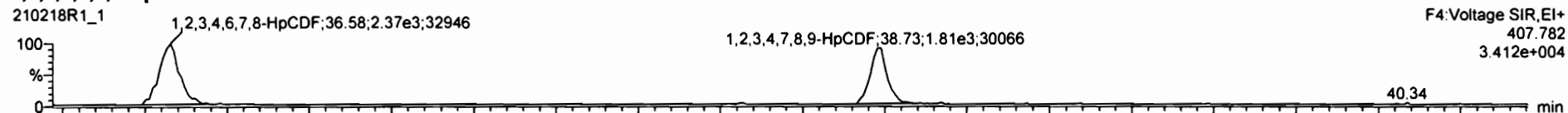


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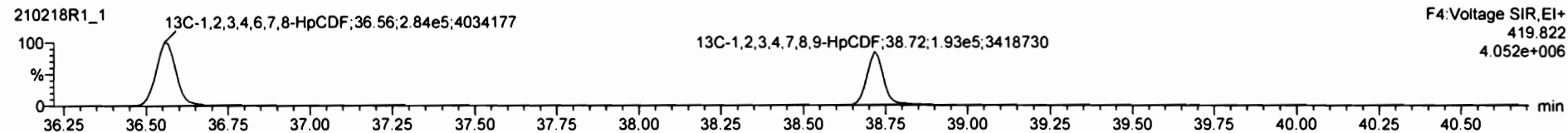
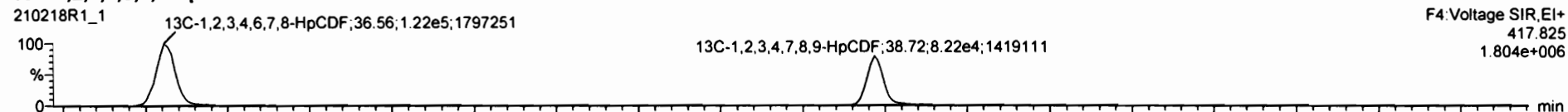
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_1, Date: 18-Feb-2021, Time: 09:15:55, ID: ST210218R1_1 1613 CS0 20H2518, Description: 1613 CS0 20H2518

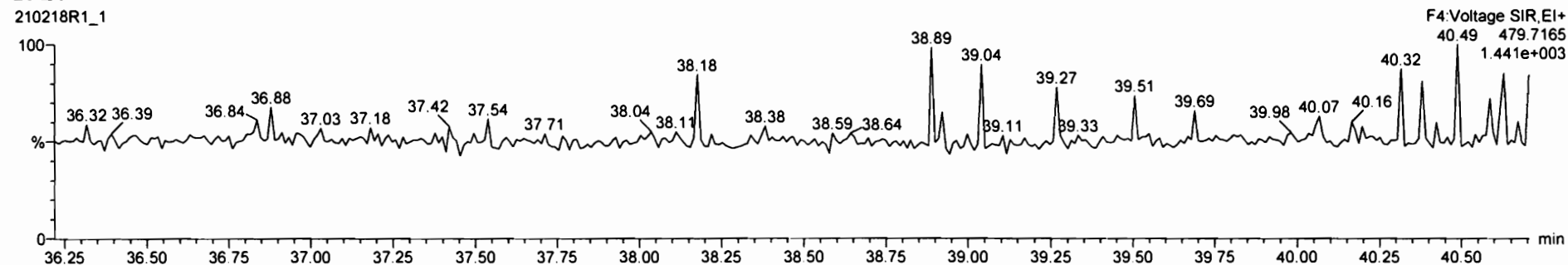
1,2,3,4,6,7,8-HpCDF



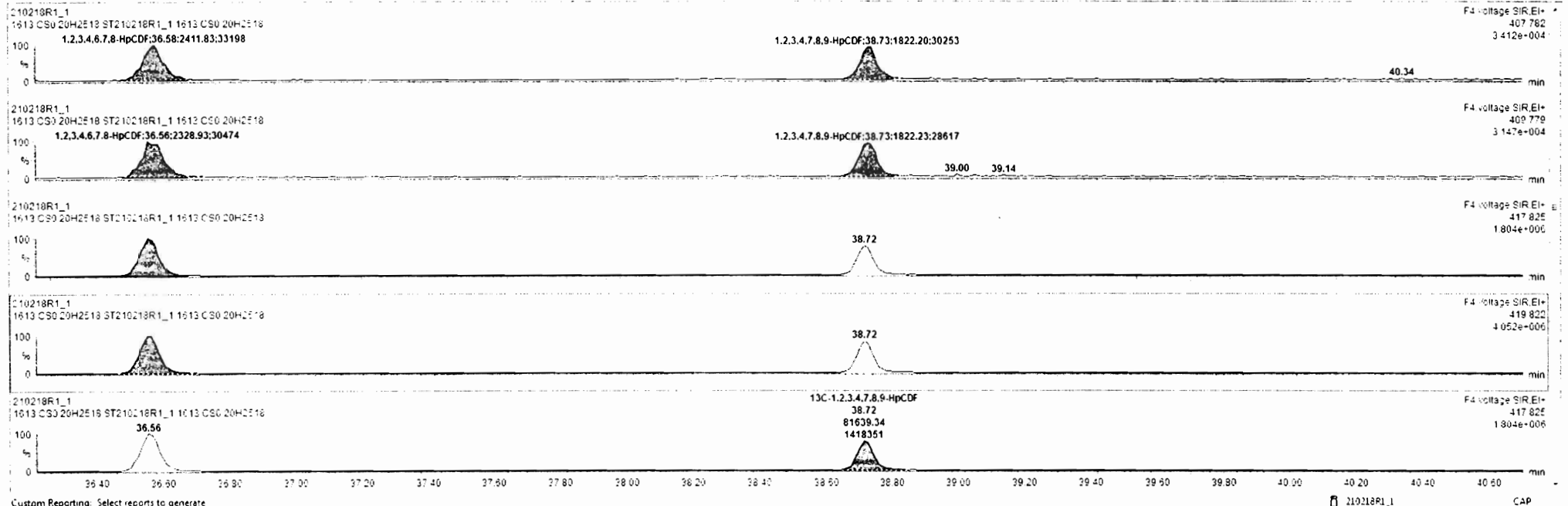
¹³C-1,2,3,4,6,7,8-HpCDF



DPE4



Name	Resp	RA	ny	RRF	wtval	RT	RRT	Conc	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	2.72e5	0.42	NO	0.46	1.000	38.72	1.143	94.8	94.8	0.442
34	13C-OCDF	7.31e5	0.95	NO	0.93	1.000	41.22	1.222	180	93.8	0.253
35	37Cl-2,3,7,8-TCDD	2.12e3			1.04	1.000	25.01	1.033	0.283	113	0.0127
36	13C-1,2,3,4-TCDD	7.25e5	0.75	NO	1.00	1.000	25.17	1.000	100	100	0.133
37	13C-1,2,3,4-TCDF	1.20e5	0.75	NO	1.00	1.000	23.53	1.000	100	100	0.145
38	13C-1,2,3,4,6,9-HxCDF	6.18e5	0.50	NO	1.00	1.000	33.73	1.000	100	100	0.241
39	Total Tetra-Dioxins				1.01	1.000			0.231		0.231
40	Total Penta-Dioxins				1.00	1.000			1.20		0.0204
41	Total Hexa-Dioxins				0.94	1.000			3.57		0.0354
42	Total Hepta-Dioxins				0.96	1.000			1.25		0.0130
43	Total Tetra-Furans				0.90	1.000			0.245		0.0125
44	1st Func. Penta-Furans				0.95	1.000					0.00284
45	Total Penta-Furans				0.95	1.000			2.44		0.0181
46	Total Hexa-Furans				0.96	1.000			4.70		0.0292
47	Total Hepta-Furans				0.96	1.000			2.40		0.0318
48	PFK1										
49	PFK2										



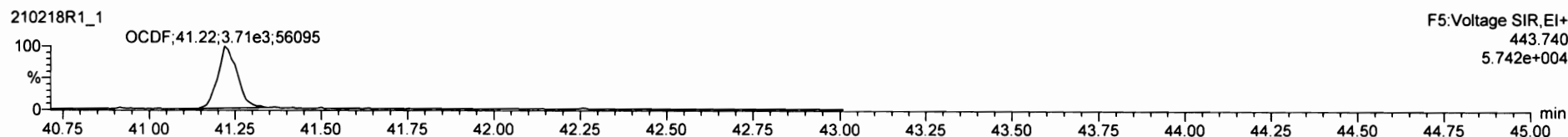
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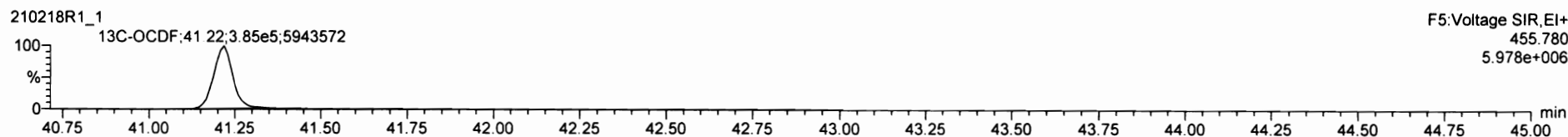
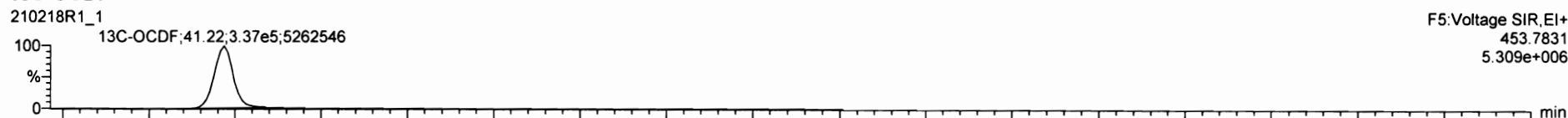
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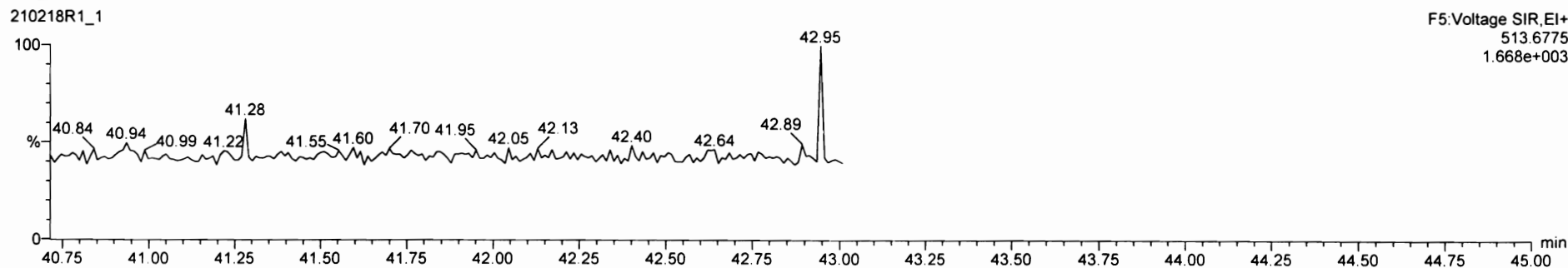
OCDF



13C-OCDF



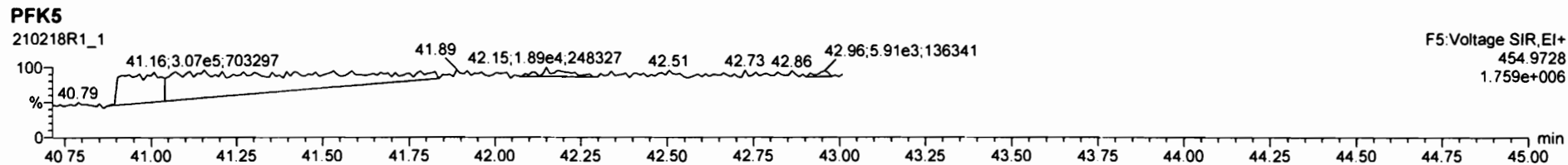
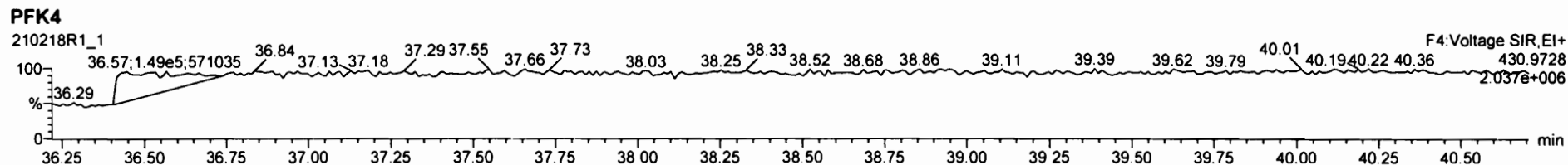
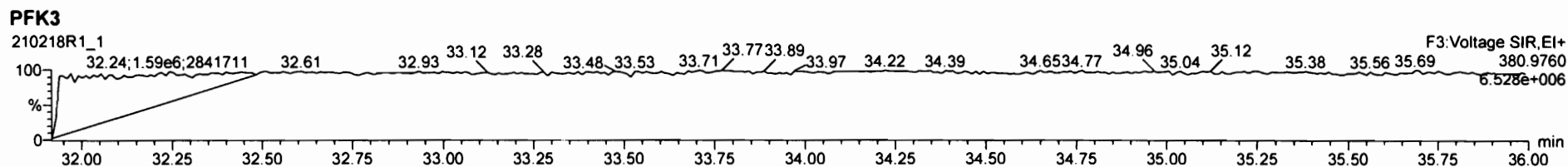
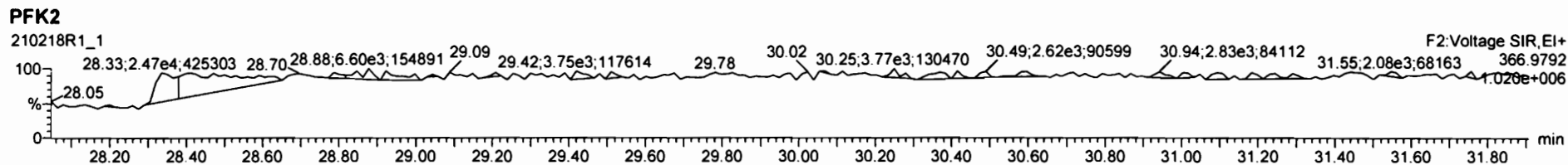
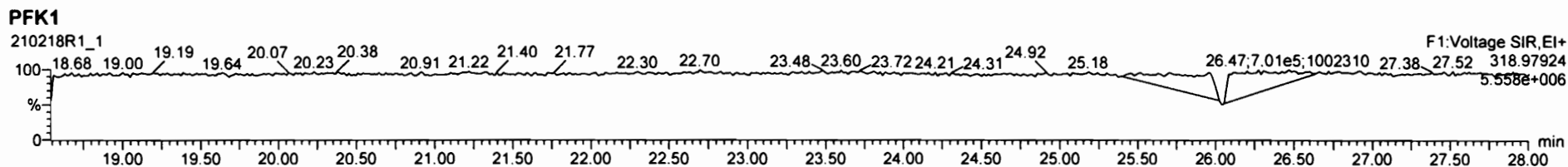
DPE5



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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

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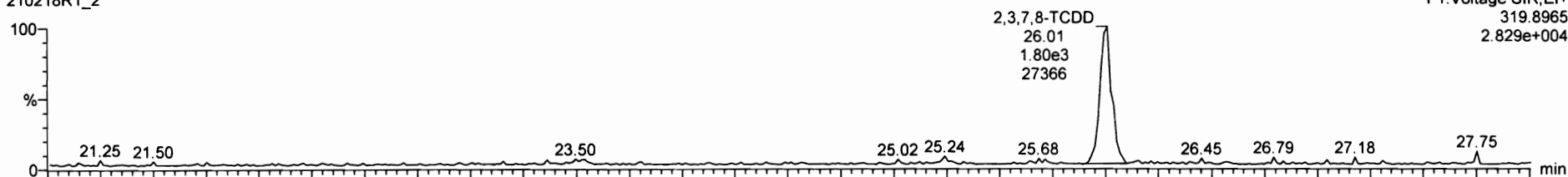
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

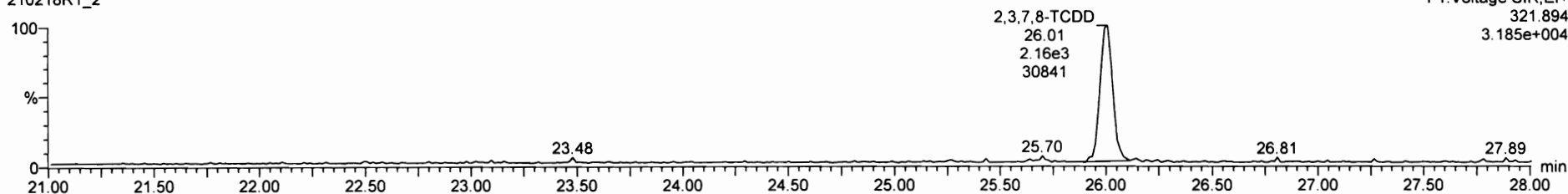
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2,3,7,8-TCDD

210218R1_2

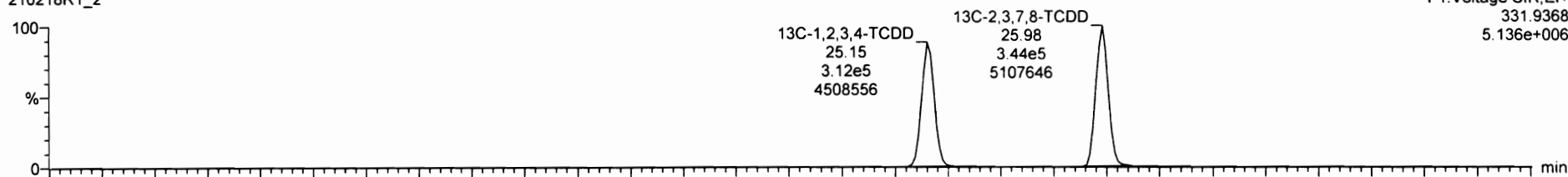


210218R1_2

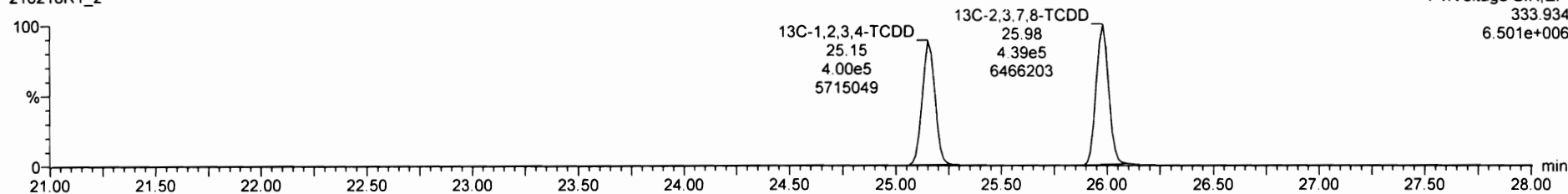


13C-2,3,7,8-TCDD

210218R1_2

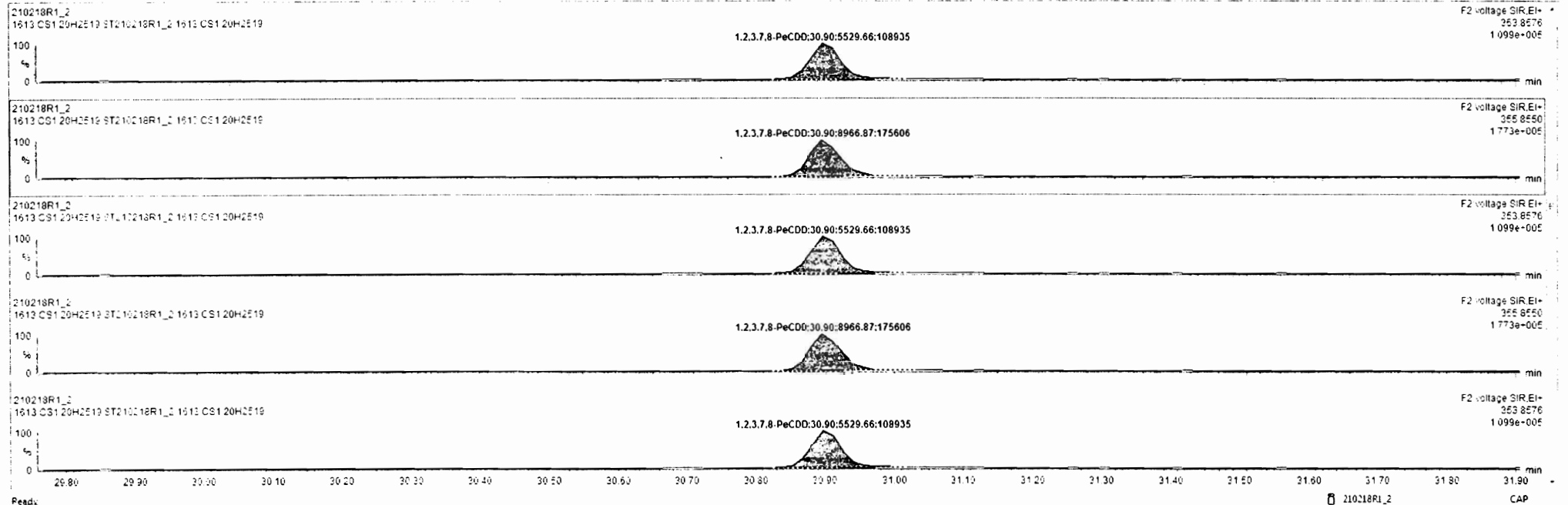


210218R1_2



210218R1_2 - ST210218R1_2 1613 CS1 20H2519 - 1613 CS1 20H2519

ID	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	7.15e5	0.78	NO	1.00	1.000	25.15	1.000	100	100	0.120	
37	13C-1,2,3,4-TCDF	1.32e6	0.80	NO	1.00	1.000	23.51	1.000	100	100	0.133	
38	13C-1,2,3,4,6-3-HxCDF	6.55e5	0.50	NO	1.00	1.000	23.73	1.000	100	100	0.128	
39	Total Tetra-Dioxins				1.01	1.000			0.493	0.0169	0.493	
40	Total Penta-Dioxins				1.00	1.000			2.52	0.0235	2.52	
41	Total Hexa-Dioxins				0.94	1.000			7.19	0.0409	7.19	
42	Total Hepta-Dioxins				0.96	1.000			2.44	0.0651	2.44	
43	Total Tetra-Furans				0.80	1.000			0.495	0.0113	0.495	
44	1st Func. Penta-Furans				0.95	1.000					0.00260	
45	Total Penta-Furans				0.95	1.000			4.95	0.0348	4.95	
46	Total Hexa-Furans				0.96	1.000			9.62	0.0372	9.62	
47	Total Hepta-Furans				0.95	1.000			4.82	0.0423	4.82	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											



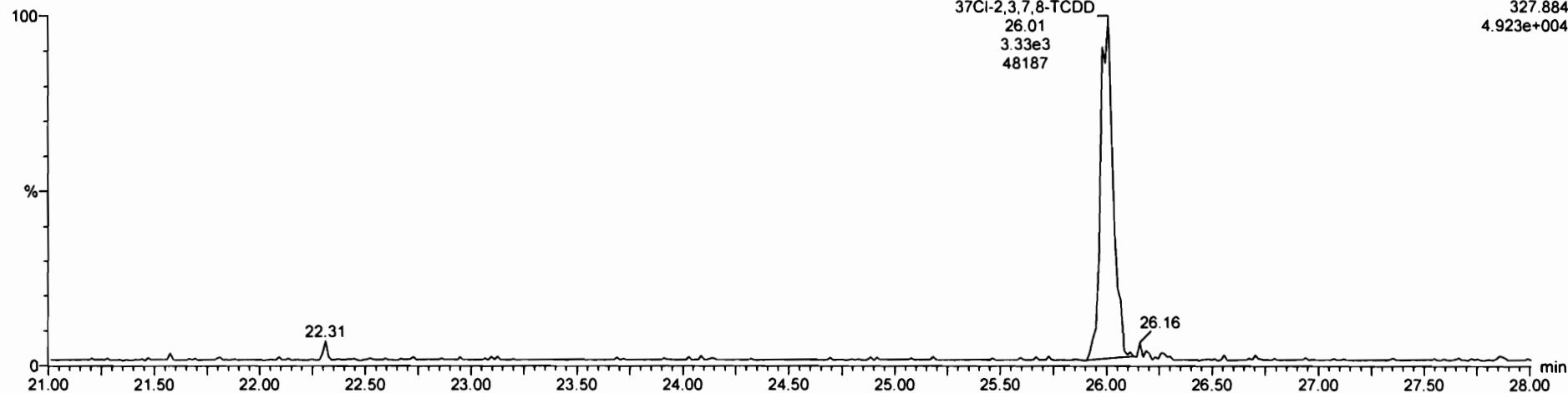
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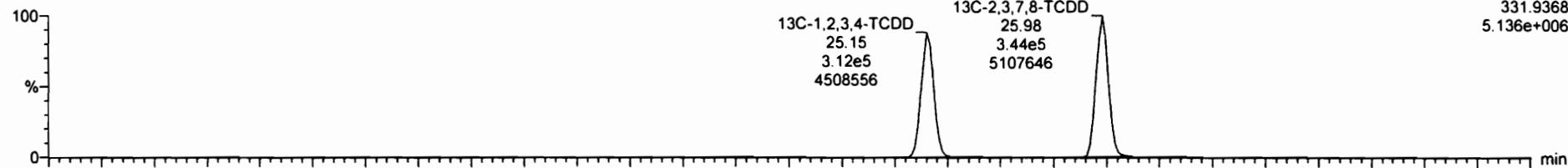
37Cl-2,3,7,8-TCDD

210218R1_2

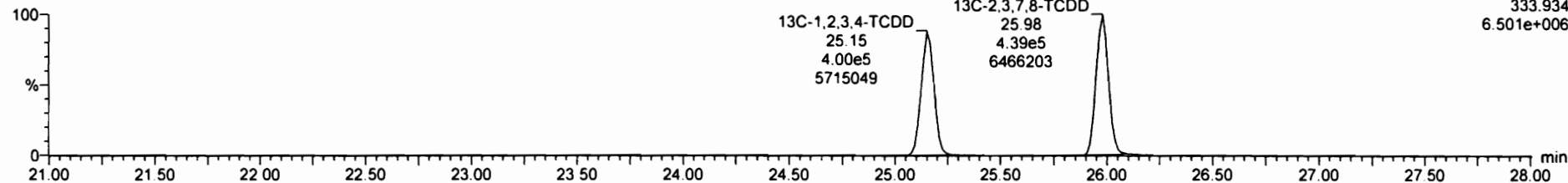


13C-1,2,3,4-TCDD

210218R1_2



210218R1_2



Dataset: Untitled

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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

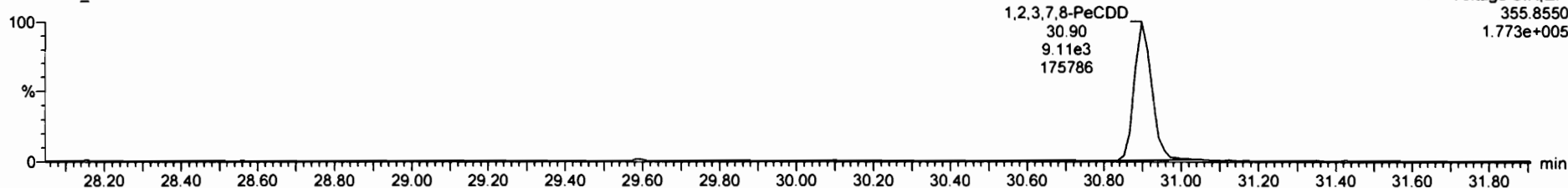
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1,2,3,7,8-PeCDD

210218R1_2



210218R1_2

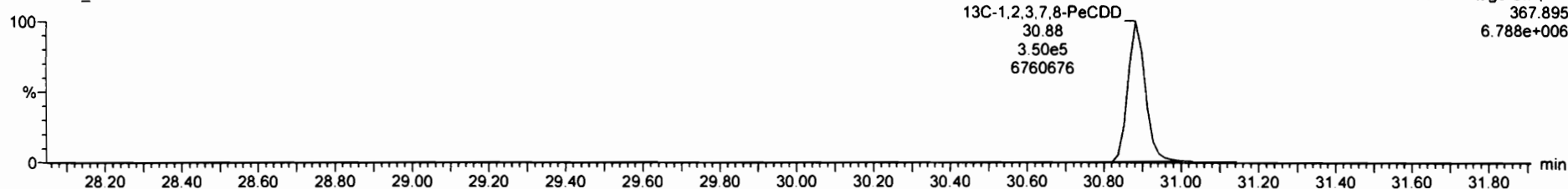


13C-1,2,3,7,8-PeCDD

210218R1_2

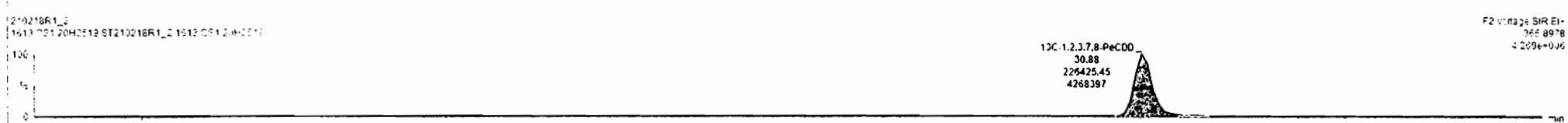
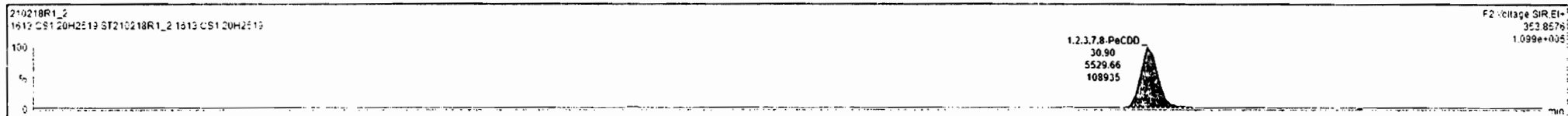


210218R1_2



210218R1_2 - ST210218R1_2 1613 CS1 20H2519 - 1613 CS1 20H2519

#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.95e3	0.83	NO	1.91	1.000	26.01	1.001	0.493	98.6	0.0169	0.493
2	1,2,3,7,8-PeCDD	1.45e4	0.62	NO	1.00	1.000	30.90	1.000	2.52	101	0.0236	2.52
3	1,2,3,4,7,8-HxCDD	1.05e4	1.20	NO	1.96	1.000	34.20	1.000	2.37	94.7	0.0362	2.37
4	1,2,3,6,7,8-HxCDD	1.05e4	1.24	NO	0.94	1.000	34.31	1.000	2.36	94.2	0.0385	2.36
5	1,2,3,7,8,9-HxCDD	1.01e4	1.26	NO	0.95	1.000	34.53	1.000	2.47	96.6	0.0430	2.47
6	1,2,3,4,6,7,8-HpCDD	7.02e2	0.97	NO	0.96	1.000	32.05	1.000	2.44	97.4	0.0651	2.44
7	OCDD	1.24e4	0.95	NO	0.91	1.000	40.96	1.000	4.66	97.1	0.0549	4.66
8	2,3,7,8-TCDF	4.96e2	0.77	NO	0.80	1.000	25.25	1.001	0.495	99.0	0.0113	0.495
9	1,2,3,7,8-PeCDF	2.35e4	1.55	NO	0.95	1.000	29.60	1.000	2.45	99.8	0.0332	2.50
10	2,3,4,7,8-PeCDF	2.34e4	1.59	NO	1.14	1.000	35.70	1.000	2.46	99.8	0.0322	2.46
11	1,2,3,4,7,8-HxCDF	1.32e4	1.30	NO	0.95	1.000	33.32	1.001	2.35	95.1	0.0348	2.38
12	1,2,3,6,7,8-HxCDF	1.40e4	1.27	NO	0.90	1.000	33.45	1.000	2.35	95.5	0.0329	2.39
13	2,3,4,6,7,8-HpCDF	1.34e4	1.20	NO	0.96	1.000	34.05	1.000	2.41	95.4	0.0269	2.41
14	1,2,3,7,8,9-HxCDF	1.11e4	1.24	NO	0.92	1.000	35.08	1.001	2.44	97.6	0.0505	2.44
15	1,2,3,4,6,7,8-HpCDF	9.43e2	0.95	NO	0.96	1.000	36.58	1.000	2.43	97.2	0.0397	2.43
16	1,2,3,4,7,8,9-HpCDF	7.63e2	1.01	NO	1.10	1.000	38.73	1.000	2.33	95.6	0.0400	2.39
17	OCDF	1.36e4	0.96	NO	0.77	1.000	45.24	1.000	4.85	92.6	0.0669	4.68



Peak: 210218R1_2 C4P NUM

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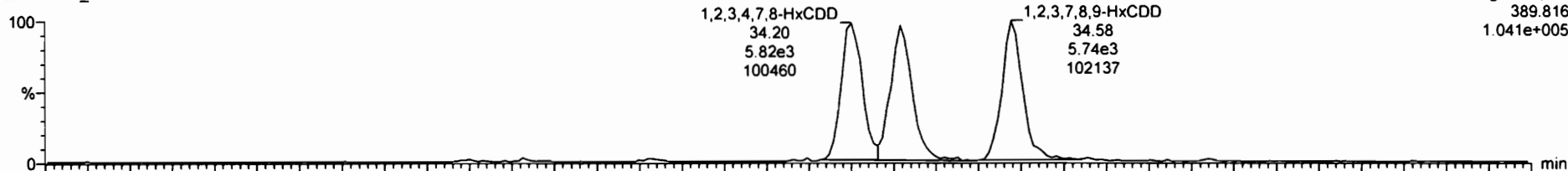
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_2, Date: 18-Feb-2021, Time: 10:06:22, ID: ST210218R1_2 1613 CS1 20H2519, Description: 1613 CS1 20H2519

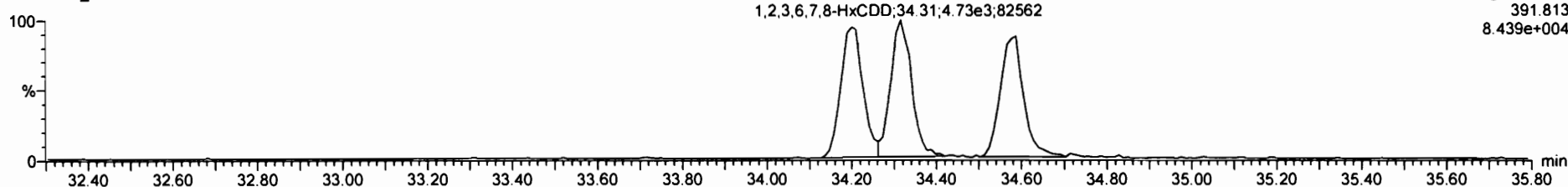
1,2,3,4,7,8-HxCDD

210218R1_2



F3:Voltage SIR, EI+
389.816
1.041e+005

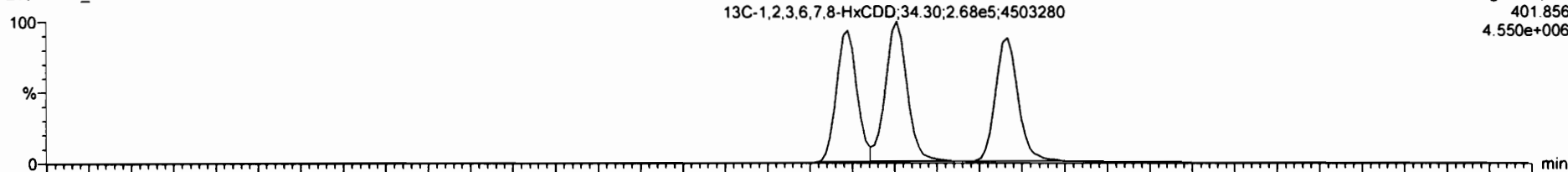
210218R1_2



F3:Voltage SIR, EI+
391.813
8.439e+004

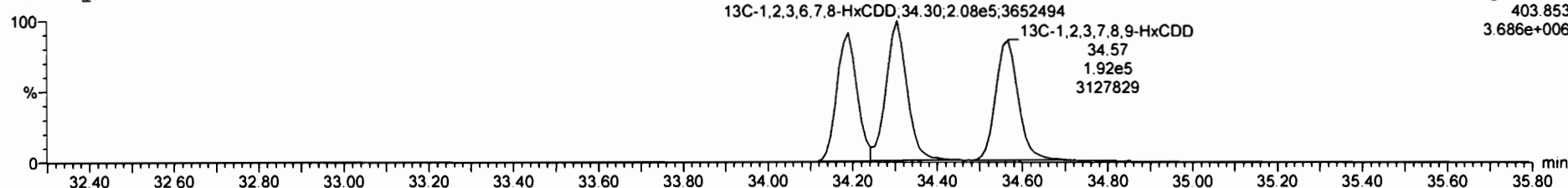
13C-1,2,3,4,7,8-HxCDD

210218R1_2



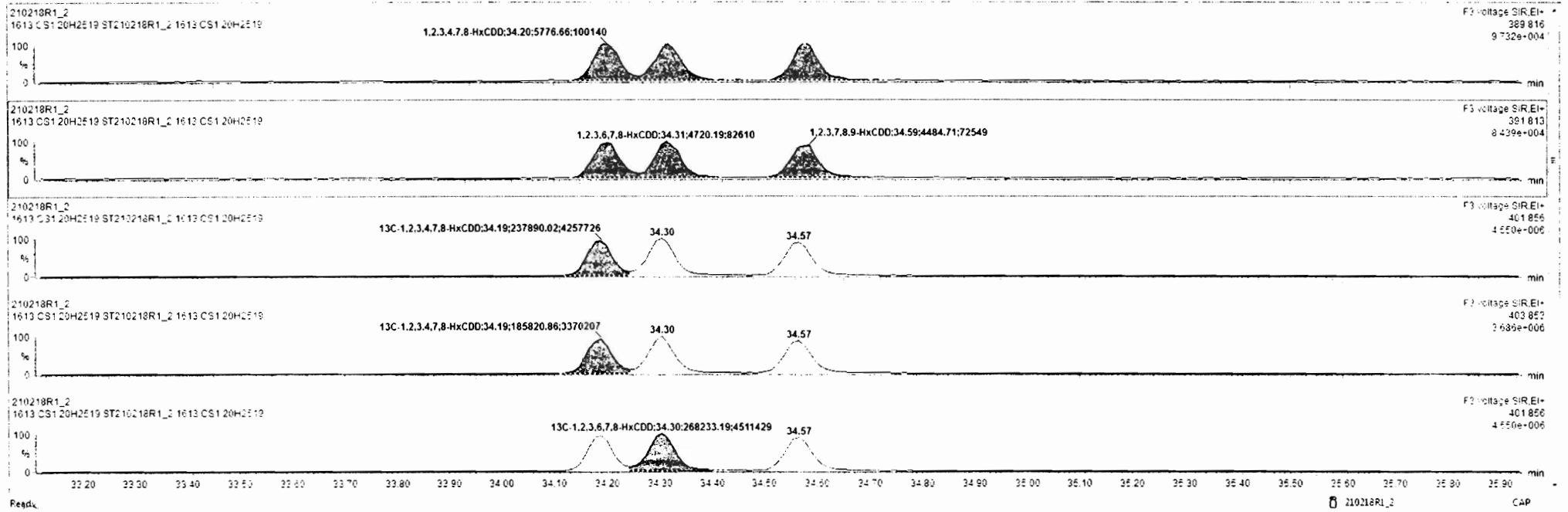
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401.856
4.550e+006

210218R1_2



F3:Voltage SIR, EI+
403.853
3.686e+006

#	Name	Resp	RA	n/y	RRF	w/wct	RT	RRT	Conc	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	7.15e5	0.78	N/D	1.00	1.000	25.15	1.000	100	100	0.133	
37	13C-1,2,3,4-TCDF	1.32e6	0.90	N/D	1.00	1.000	23.51	1.000	100	100	0.133	
38	13C-1,2,3,4,6,8-HxCDF	6.56e5	0.50	N/D	1.00	1.000	23.73	1.000	100	100	0.228	
39	Total Tetra-Dioxins				1.01	1.000			0.493	0.0169	0.493	
40	Total Penta-Dioxins				1.00	1.000			2.52	0.0235	2.52	
41	Total Hexa-Dioxins				0.94	1.000			7.19	0.0409	7.19	
42	Total Hepta-Dioxins				0.96	1.000			2.44	0.0651	2.44	
43	Total Tetra-Furans				0.80	1.000			0.495	0.0113	0.495	
44	1st Func. Penta-Furans				0.95	1.000					0.00260	
45	Total Penta-Furans				0.95	1.000			4.96	0.0348	4.96	
46	Total Hexa-Furans				0.96	1.000			9.62	0.0372	9.62	
47	Total Hepta-Furans				0.96	1.000			4.82	0.0423	4.82	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											



Dataset: Untitled

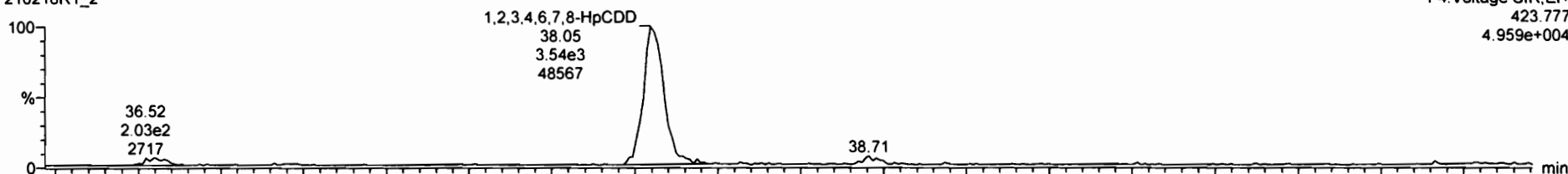
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Name: 210218R1_2, Date: 18-Feb-2021, Time: 10:06:22, ID: ST210218R1_2 1613 CS1 20H2519, Description: 1613 CS1 20H2519

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

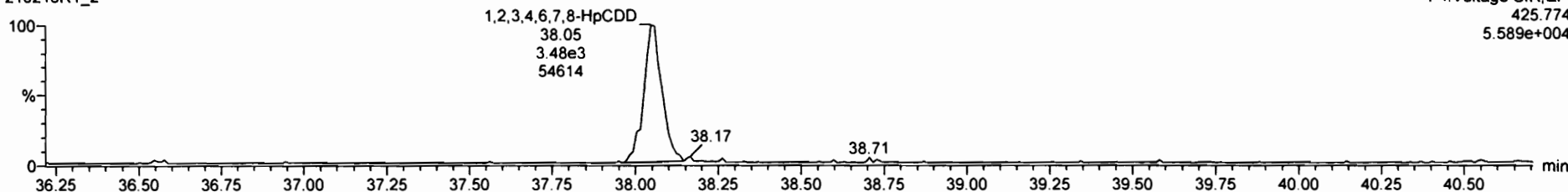
210218R1_2

F4:Voltage SIR,EI+
423.777
4.959e+004



210218R1_2

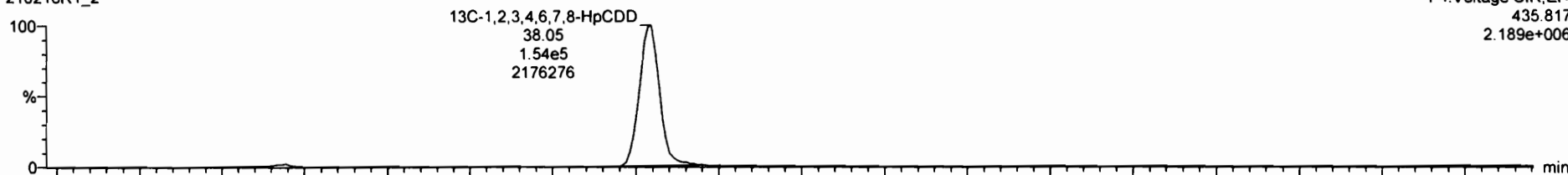
F4:Voltage SIR,EI+
425.774
5.589e+004



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

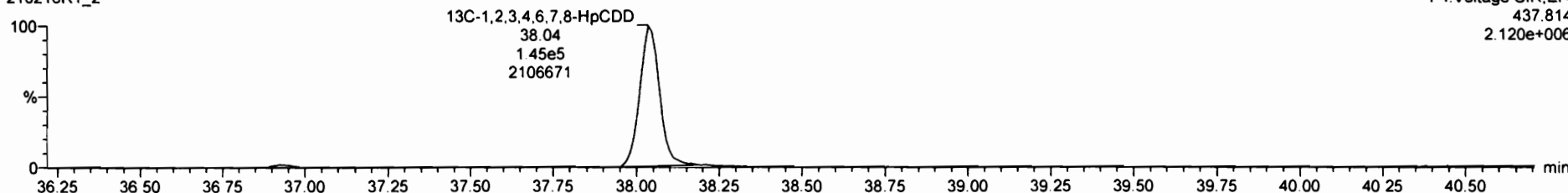
210218R1_2

F4:Voltage SIR,EI+
435.817
2.189e+006

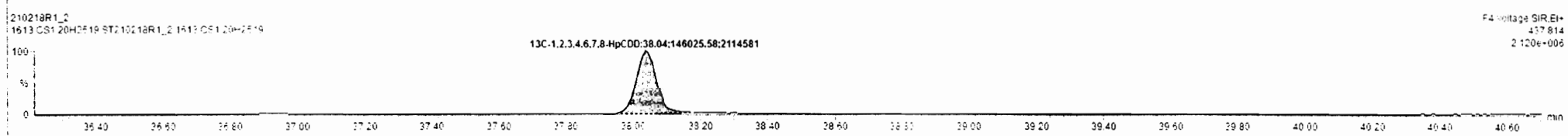
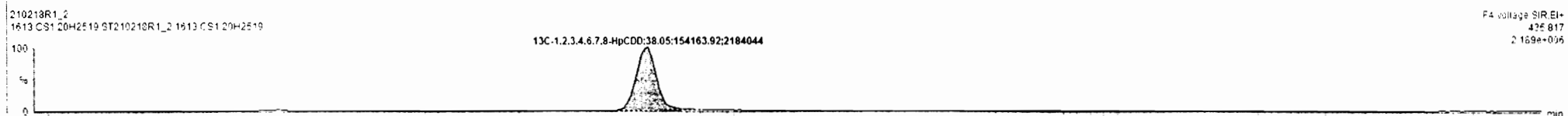
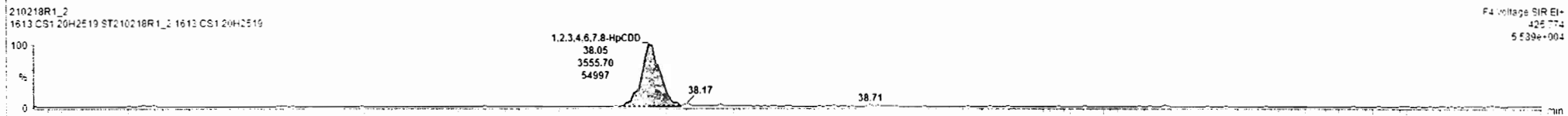
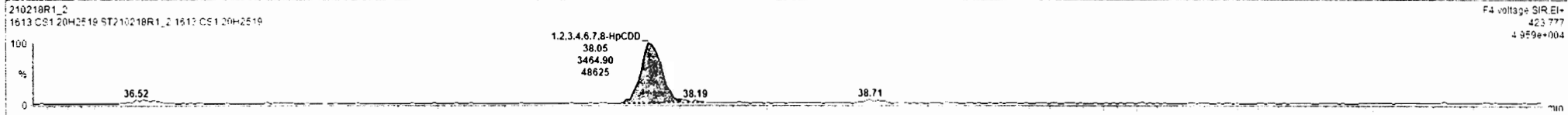


210218R1_2

F4:Voltage SIR,EI+
437.814
2.120e+006



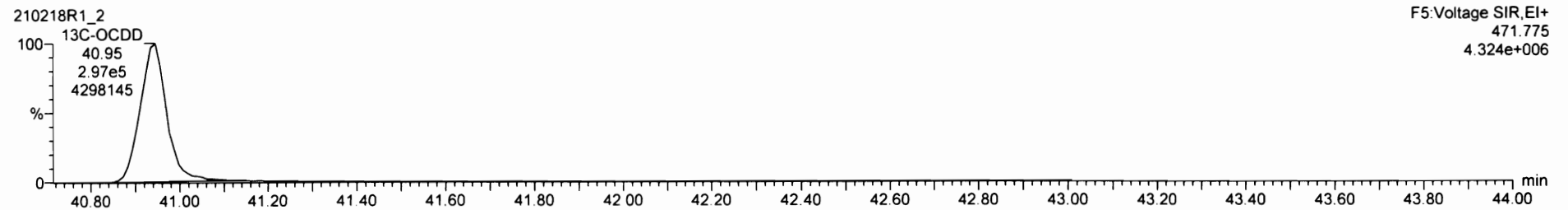
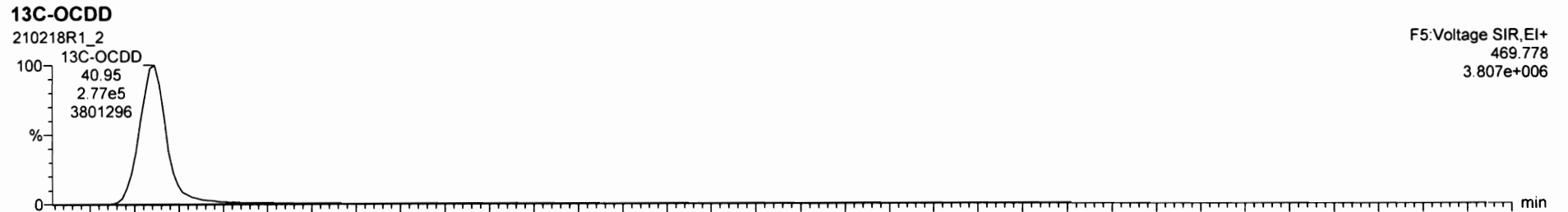
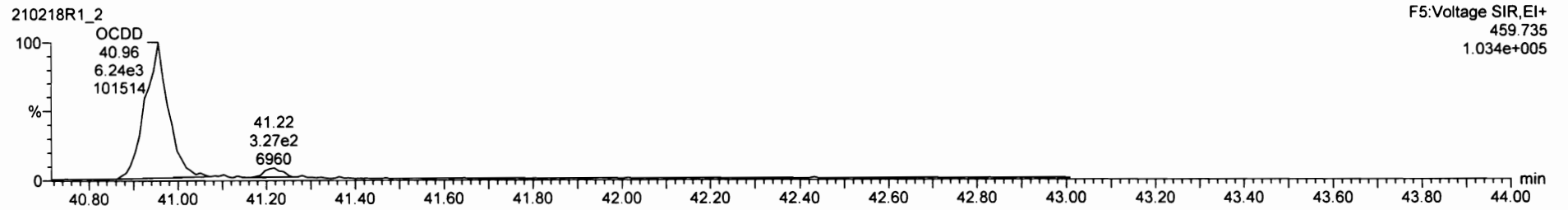
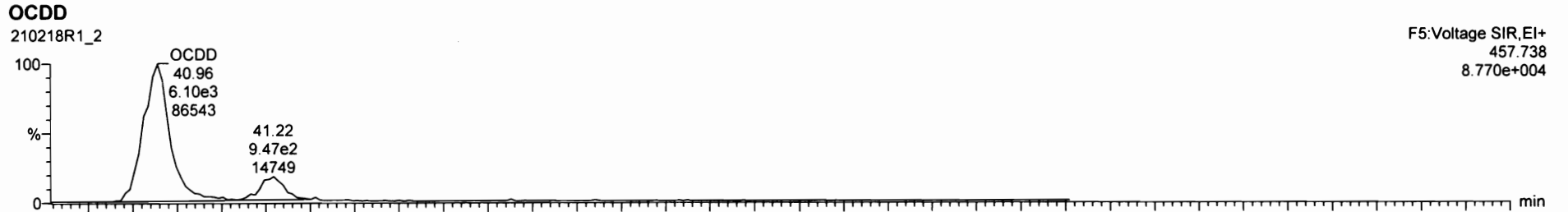
#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
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37	13C-1,2,3,4-TCDF	1.32e5	0.50	NO	1.00	1.000	23.51	1.000	100	100	0.133	
38	13C-1,2,3,4,6,8-HxCDF	6.55e5	0.50	NO	1.00	1.000	33.73	1.000	100	100	0.228	
39	Total Tetra-Dioxins				1.01	1.000			0.493		0.0169	0.493
40	Total Penta-Dioxins				1.00	1.000			2.52		0.0235	2.52
41	Total Hexa-Dioxins				0.94	1.000			7.15		0.0409	7.15
42	Total Hepta-Dioxins				0.96	1.000			2.44		0.0651	2.44
43	Total Tetra-Furans				0.90	1.000			0.495		0.0113	0.495
44	1ar Func. Penta-Furans				0.99	1.000					0.00260	
45	Total Penta-Furans				0.99	1.000			4.95		0.0148	4.95
46	Total Hexa-Furans				0.95	1.000			9.62		0.0372	9.62
47	Total Hepta-Furans				0.96	1.000			4.82		0.0423	4.82
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											



Dataset: Untitled

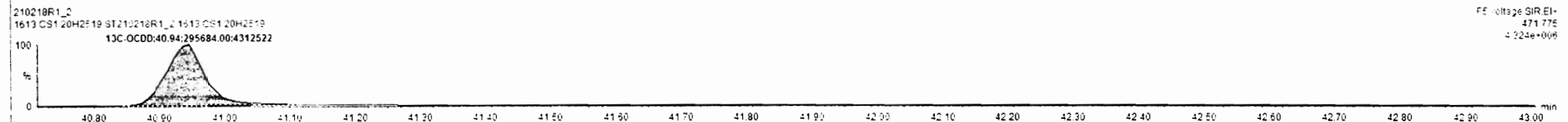
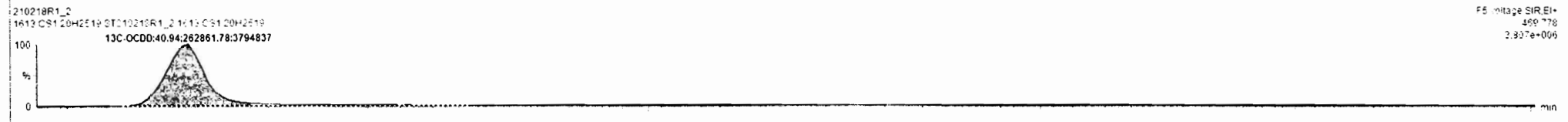
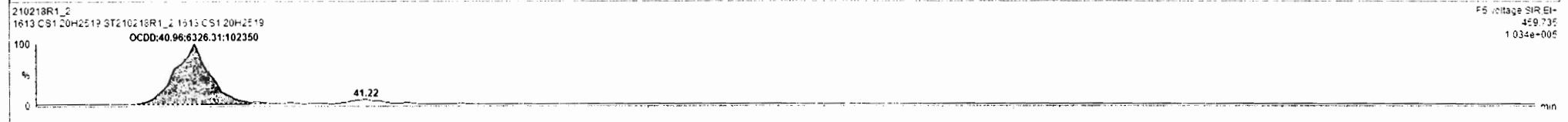
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_2, Date: 18-Feb-2021, Time: 10:06:22, ID: ST210218R1_2 1613 CS1 20H2519, Description: 1613 CS1 20H2519



210218R1_2 - ST210218R1_2 1613 CS1 20H2519 - 1613 CS1 20H2519

#	Name	Resp	RA	ny	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	1.24e4	0.95	NO	0.91	1.000	40.96	1.000	4.86	97.1	0.0549	4.86
8	2,3,7,8-TCDF	4.95e2	0.77	NO	0.80	1.000	25.25	1.001	0.495	99.0	0.0113	0.495
9	1,2,3,7,8-PeCDF	2.38e4	1.65	NO	0.95	1.000	29.60	1.000	2.45	99.8	0.0332	2.50
10	2,3,4,7,8-PeCDF	2.34e4	1.58	NO	1.14	1.000	30.70	1.000	2.45	99.8	0.0320	2.46
11	1,2,3,4,7,8-HxCDF	1.32e4	1.20	NO	0.96	1.000	33.32	1.001	2.35	95.1	0.0348	2.38
12	1,2,3,6,7,8-HxCDF	1.40e4	1.27	NO	0.90	1.000	33.45	1.000	2.35	95.5	0.0329	2.35
13	2,3,4,6,7,8-HxCDF	1.34e4	1.20	NO	0.96	1.000	34.08	1.000	2.41	96.4	0.0329	2.41
14	1,2,3,7,8,9-HxCDF	1.11e4	1.24	NO	0.93	1.000	35.06	1.001	2.44	97.6	0.0305	2.44
15	1,2,3,4,6,7,8-HpCDF	9.43e2	0.98	NO	0.95	1.000	36.55	1.000	2.40	97.2	0.0357	2.43
16	1,2,3,4,7,8,9-HpCDF	7.87e2	1.01	NO	1.10	1.000	38.73	1.000	2.39	95.6	0.0400	2.39
17	OCDF	1.38e4	0.86	NO	0.77	1.000	41.24	1.000	4.68	93.8	0.0669	4.68
18	13C-2,3,7,8- ¹³ CDD	7.67e5	0.78	NO	1.15	1.000	25.98	1.033	96.2	96.2	0.116	
19	13C-1,2,3,7,8-PeCDD	5.75e5	0.84	NO	0.83	1.000	30.88	1.228	96.9	96.9	0.107	
20	13C-1,2,3,4,7,8-HxCDD	4.24e5	1.28	NO	0.70	1.000	34.18	1.014	91.5	91.3	0.228	
21	13C-1,2,3,6,7,8-HxCDD	4.77e5	1.28	NO	0.81	1.000	34.30	1.017	95.9	95.9	0.197	
22	13C-1,2,3,7,8-HxCDD	4.22e5	1.27	NO	0.73	1.000	34.67	1.025	95.1	89.1	0.217	
23	13C-1,2,3,4,6,7,8-HpCDD	3.00e5	1.05	NO	0.70	1.000	38.05	1.122	92.1	92.1	0.231	



Ready 40.80 40.90 41.00 41.10 41.20 41.30 41.40 41.50 41.60 41.70 41.80 41.90 42.00 42.10 42.20 42.30 42.40 42.50 42.60 42.70 42.80 42.90 43.00 min

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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

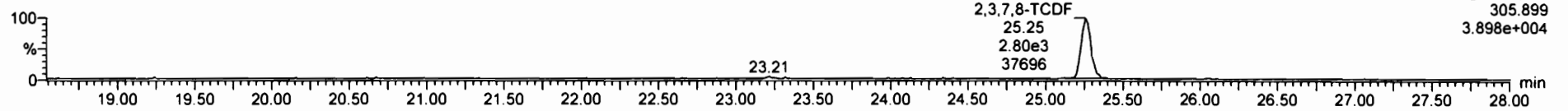
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2,3,7,8-TCDF

210218R1_2

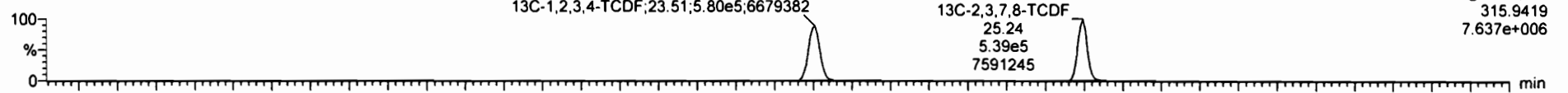


210218R1_2

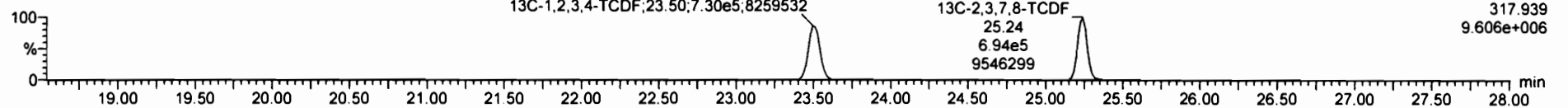


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210218R1_2

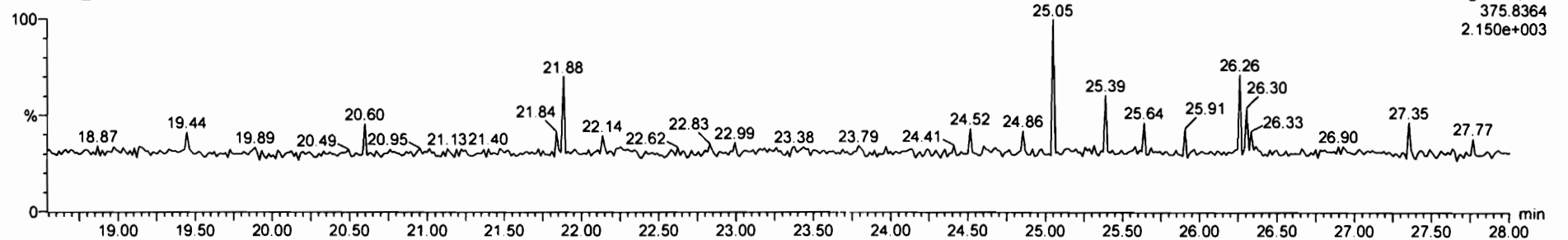


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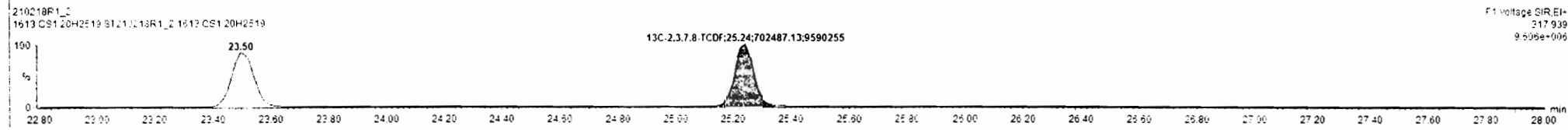
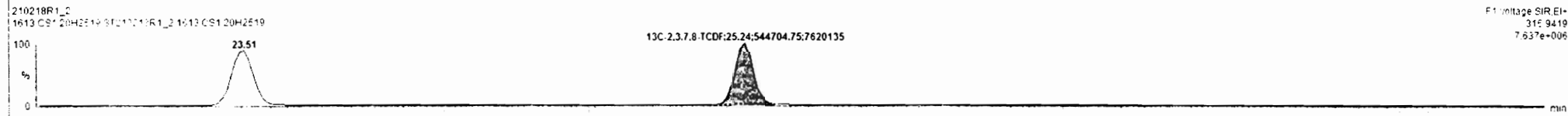
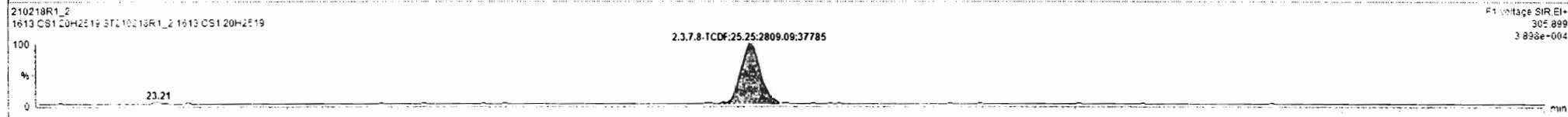
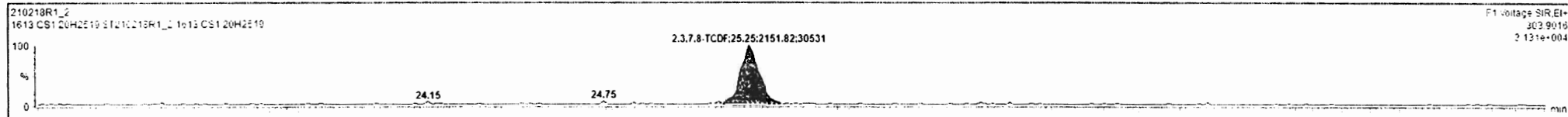
DPE1

210218R1_2



210218R1_2 - ST210218R1_2 1613 CS1 20H2519 - 1613 CS1 20H2519

#	Name	Resp	RA	n/y	RRF	wtval	RT	RRT	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	7.15e5	0.78	NO	1.00	1.000	25.15	1.000	100	100	0.133	
37	13C-1,2,3,4-TCDF	1.52e6	0.80	NO	1.00	1.000	23.51	1.000	100	100	0.133	
38	13C-1,2,3,4,6,8-hxCDF	6.56e5	0.90	NO	1.00	1.000	33.73	1.000	100	100	0.128	
39	Total Tetra-Dioxins				1.01	1.000			0.493	0.0169	0.493	
40	Total Penta-Dioxins				1.00	1.000			2.52	0.0235	2.52	
41	Total Hexa-Dioxins				0.94	1.000			7.15	0.0429	7.15	
42	Total Hepta-Dioxins				0.96	1.000			2.44	0.0651	2.44	
43	Total Tetra-Furans				0.80	1.000			0.495	0.0113	0.495	
44	1st Func. Penta-Furans				0.95	1.000					0.00260	
45	Total Penta-Furans				0.95	1.000			4.55	0.0248	4.96	
46	Total Hexa-Furans				0.96	1.000			9.52	0.0370	9.62	
47	Total Hepta-Furans				0.95	1.000			4.62	0.0423	4.82	
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											



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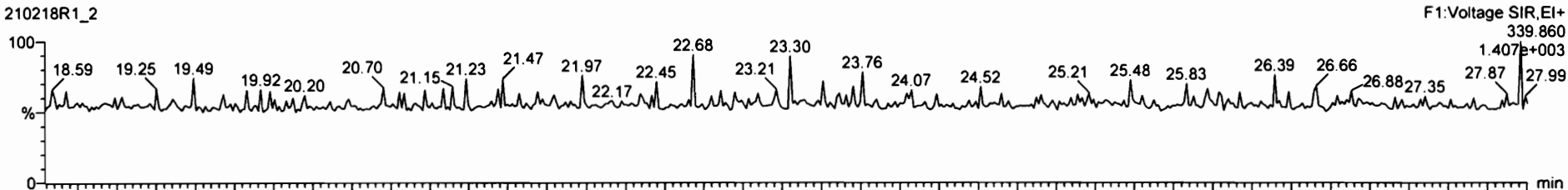
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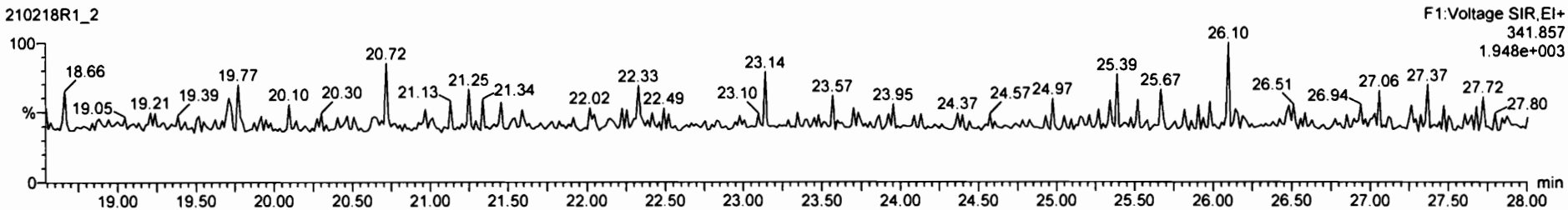
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1st Func. Penta-Furans

210218R1_2

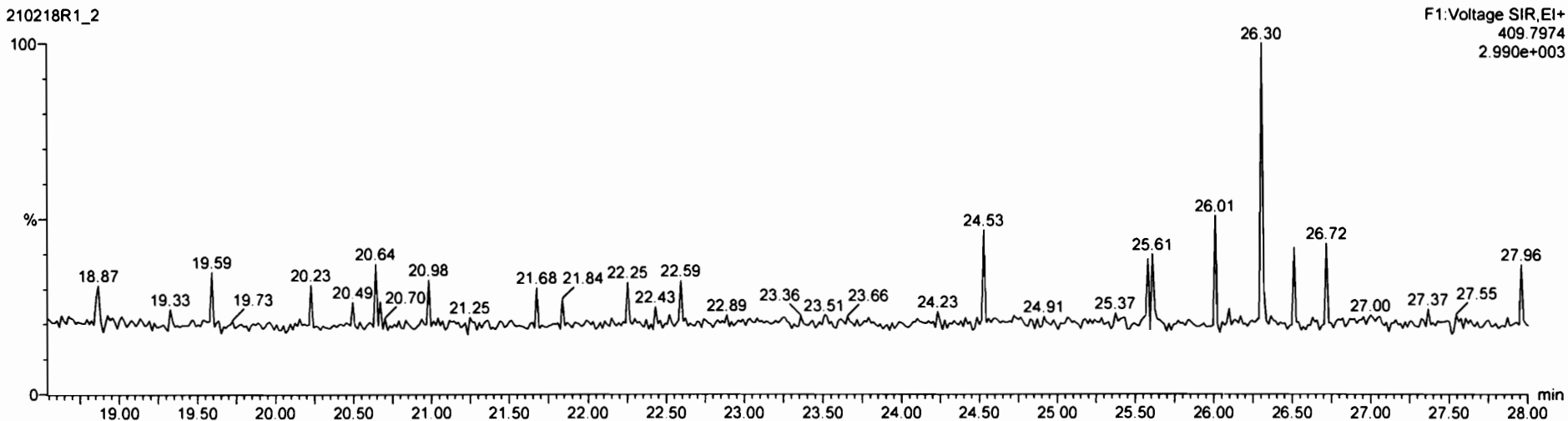


210218R1_2



DPE6

210218R1_2



Dataset: Untitled

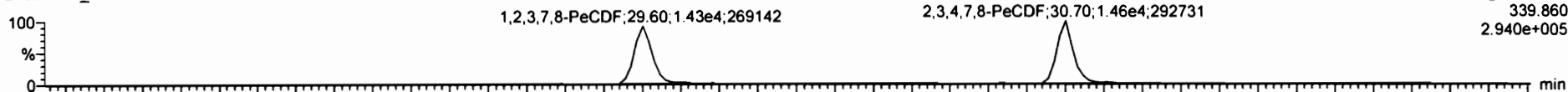
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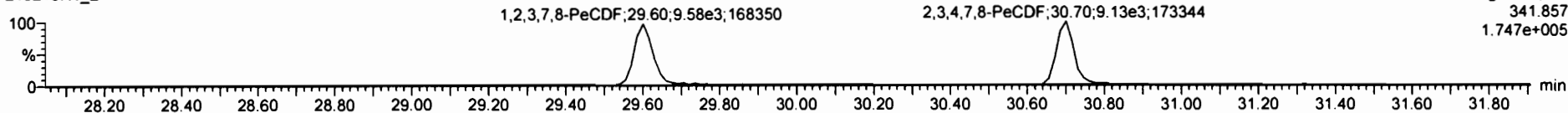
1,2,3,7,8-PeCDF

210218R1_2



F2: Voltage SIR, EI+
339.860
2.940e+005

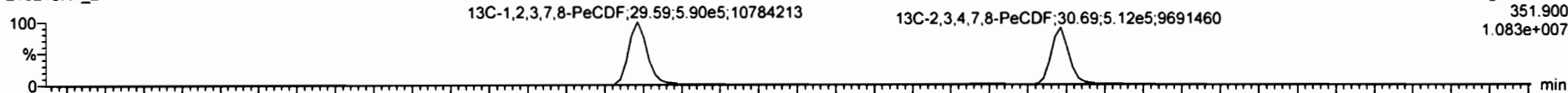
210218R1_2



F2: Voltage SIR, EI+
341.857
1.747e+005

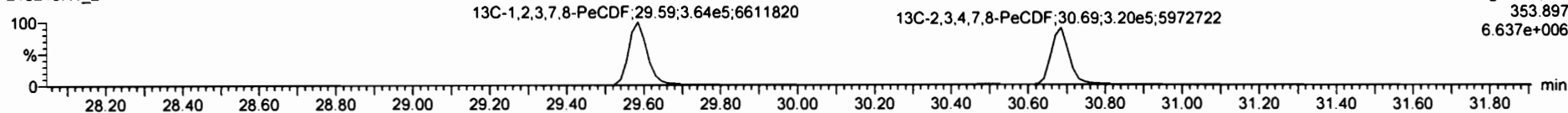
13C-1,2,3,7,8-PeCDF

210218R1_2



F2: Voltage SIR, EI+
351.900
1.083e+007

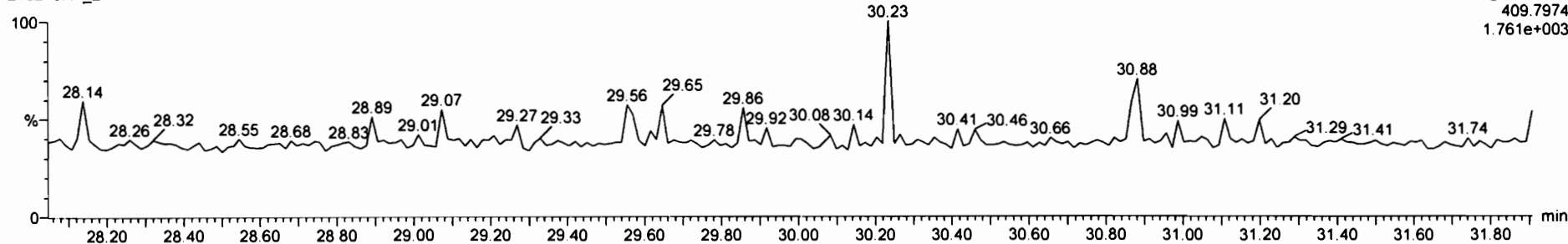
210218R1_2



F2: Voltage SIR, EI+
353.897
6.637e+006

DPE2

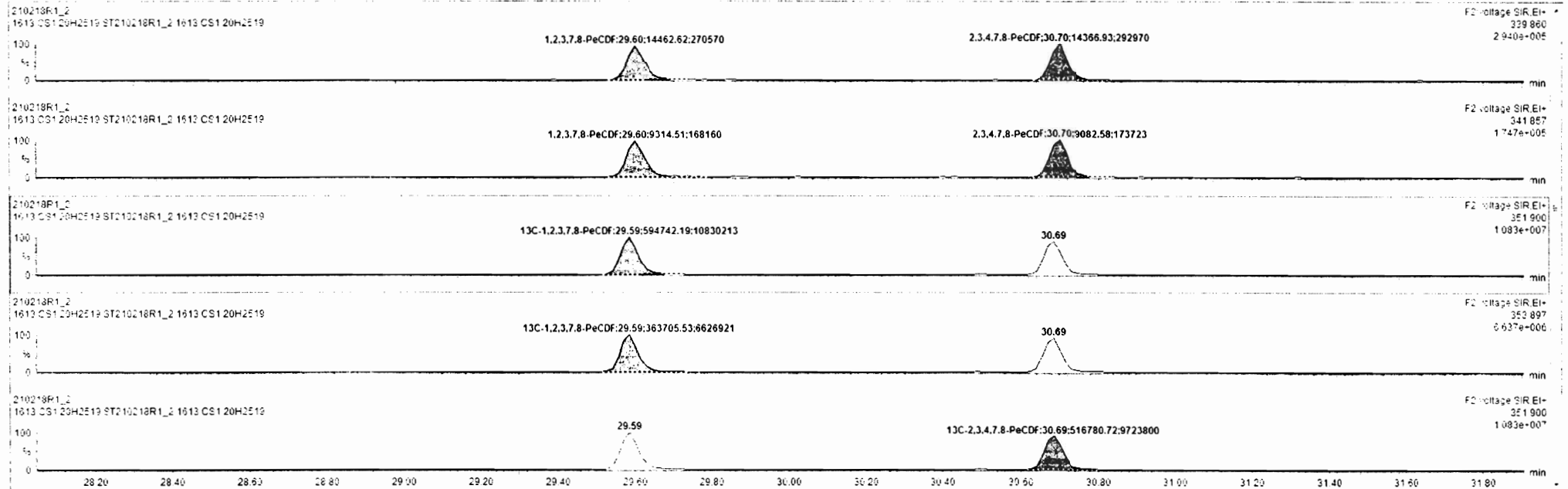
210218R1_2



F2: Voltage SIR, EI+
409.7974
1.761e+003

210218R1_2 - ST210218R1_2 1613 CS1 20H2519 - 1613 CS1 20H2519

Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-7CDD	7.15e6	0.78	N.C.	1.00	1.000	29.16	1.000	100	100	0.133
37	13C-1,2,3,4-7CDF	1.32e6	0.80	N.C.	1.00	1.000	29.51	1.000	100	100	0.133
38	13C-1,2,3,4,6,9-HxCDF	6.56e6	0.50	N.C.	1.00	1.000	31.72	1.000	100	100	0.228
39	Total Tetra-Dioxins				1.01	1.000		0.493		0.0159	0.493
40	Total Penta-Dioxins				1.00	1.000		2.52		0.0225	2.52
41	Total Hexa-Dioxins				0.94	1.000		7.19		0.0409	7.19
42	Total Hepta-Dioxins				0.96	1.000		2.44		0.0651	2.44
43	Total Tetra-Furans				0.80	1.000		0.495		0.0113	0.495
44	1st Func. Penta-Furans				0.95	1.000				0.00260	
45	Total Penta-Furans				0.99	1.000		4.96		0.0348	4.96
46	Total Hexa-Furans				0.96	1.000		9.62		0.0370	9.62
47	Total Hepta-Furans				0.96	1.000		4.62		0.0423	4.62
48	PFK1										
49	PFK2										
50	PFK3										
51	PFK4										
52	PFK5										



Custom Reporting: Select reports to generate

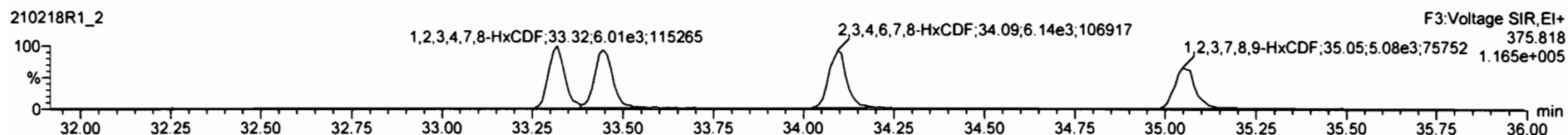
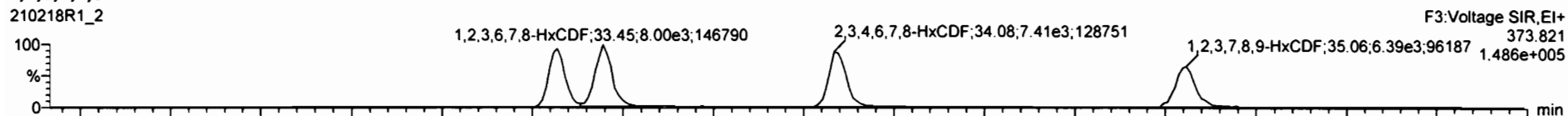
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Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time

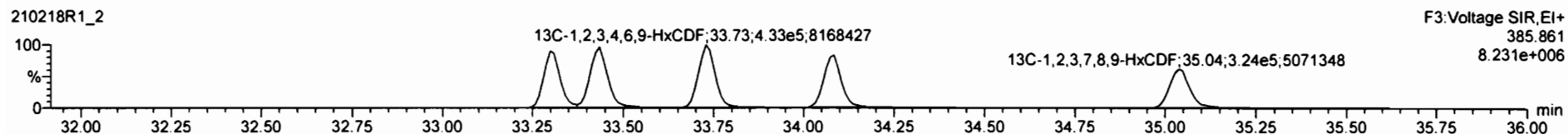
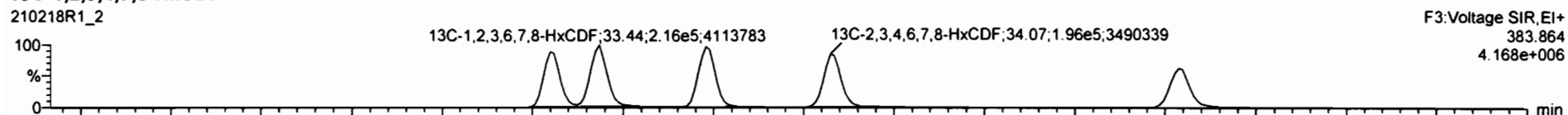
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Name: 210218R1_2, Date: 18-Feb-2021, Time: 10:06:22, ID: ST210218R1_2 1613 CS1 20H2519, Description: 1613 CS1 20H2519

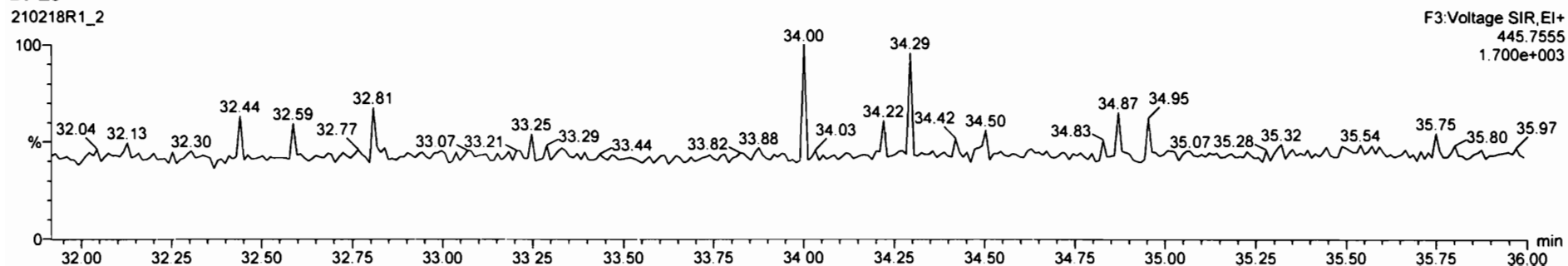
1,2,3,4,7,8-HxCDF



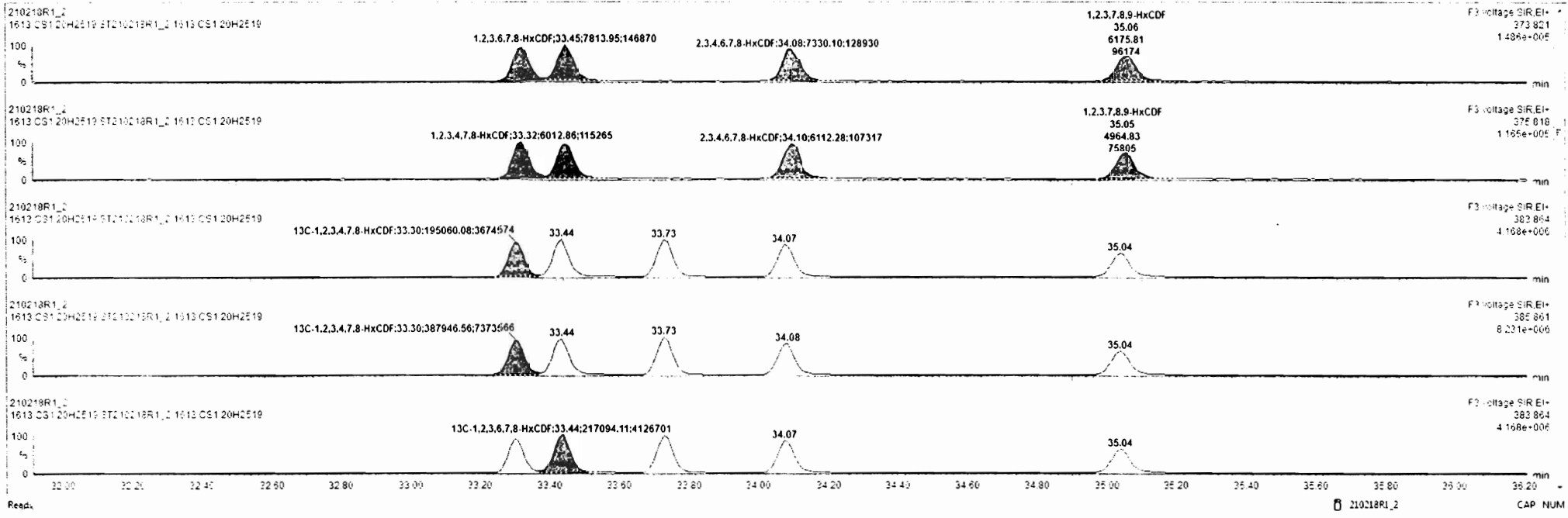
13C-1,2,3,4,7,8-HxCDF



DPE3



#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDF	7.15eE	0.78	NO	1.00	1.000	26.15	1.000	100	100	0.133	
37	13C-1,2,3,4-TCDF	1.32eE	0.80	NO	1.00	1.000	27.51	1.000	100	100	0.133	
38	13C-1,2,3,4,6,8-HxCDF	6.62eE	0.50	NO	1.00	1.000	33.73	1.000	100	100	0.228	
39	Total Tetra-Dioxins				1.01	1.000			0.493		0.0169	0.493
40	Total Penta-Dioxins				1.00	1.000			2.52		0.0235	2.52
41	Total Hexa-Dioxins				0.94	1.000			7.19		0.0409	7.19
42	Total Hepta-Dioxins				0.96	1.000			2.44		0.0651	2.44
43	Total Tetra-Furans				0.90	1.000			0.495		0.0113	0.495
44	1st Func. Penta-Furans				0.99	1.000					0.00260	
45	Total Penta-Furans				0.99	1.000			4.95		0.0148	4.95
46	Total Hexa-Furans				0.96	1.000			9.62		0.0372	9.62
47	Total Hepta-Furans				0.96	1.000			4.82		0.0423	4.82
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											



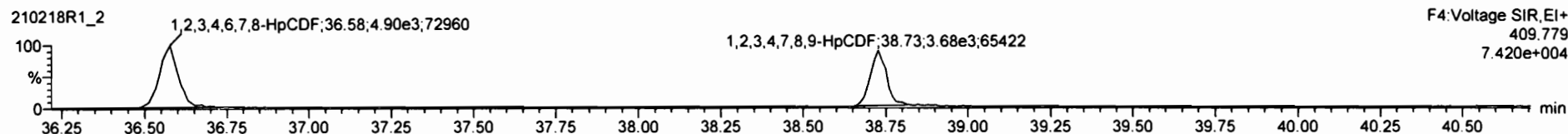
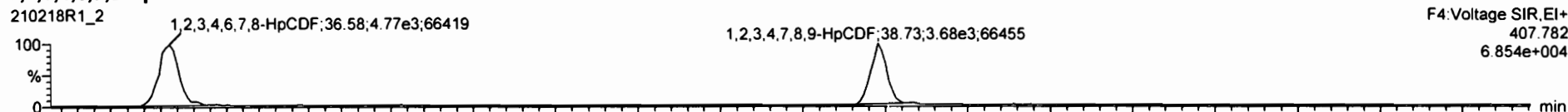
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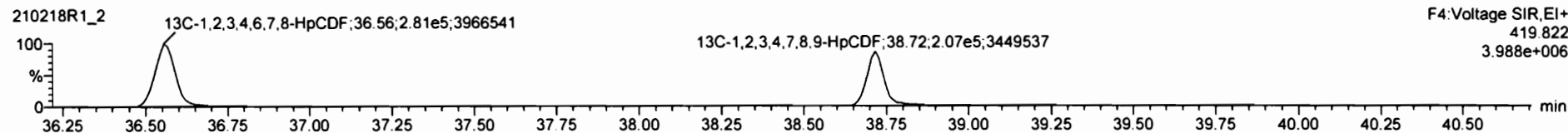
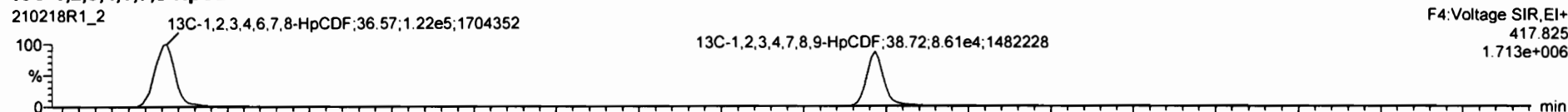
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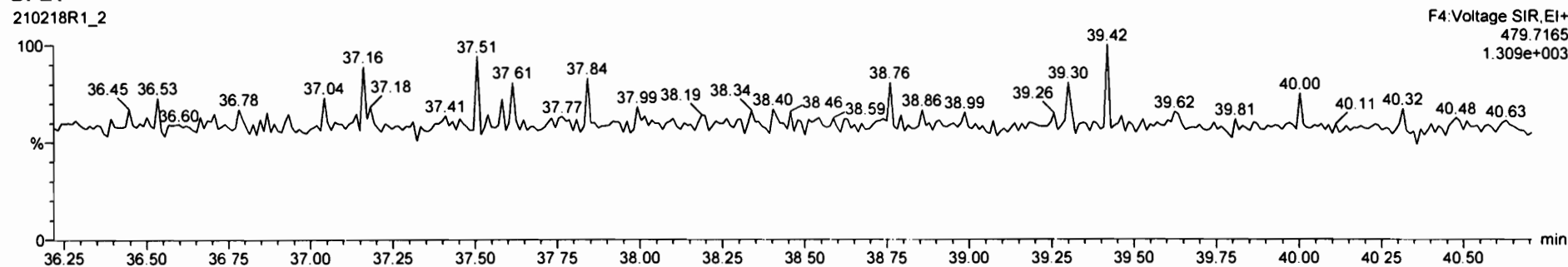
1,2,3,4,6,7,8-HpCDF



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

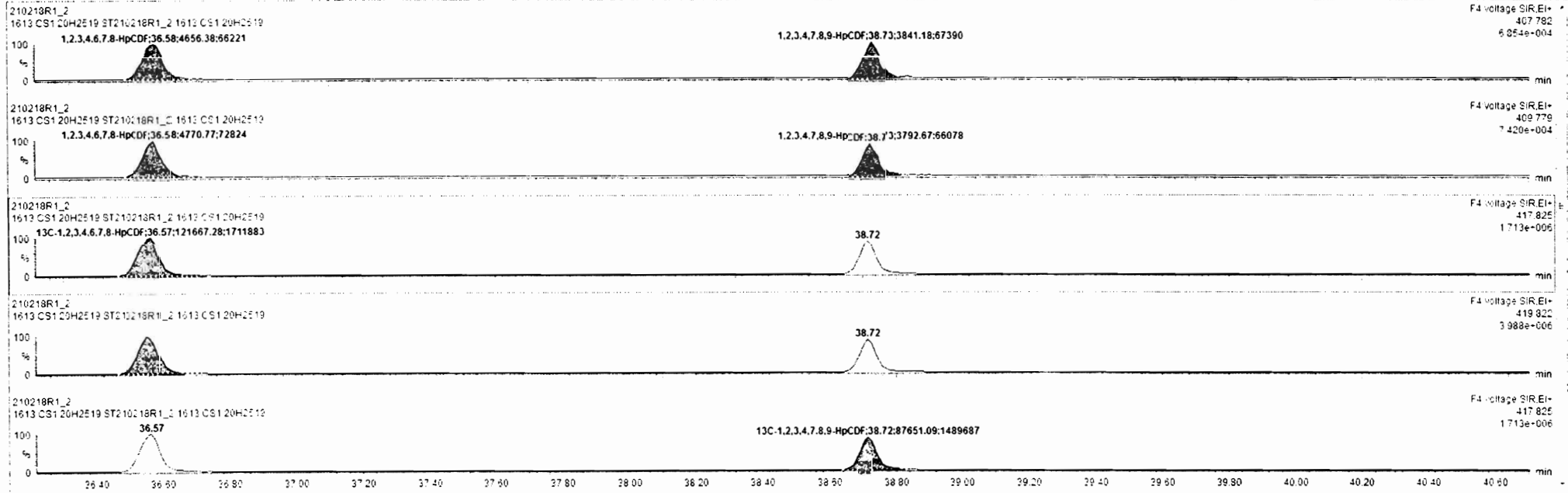


DPE4



210218R1_2 - ST210218R1_2 1613 CS1 20H2519 - 1613 CS1 20H2519

#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	CL	EMPC
36	13C-1,2,3,4-TCDF	7.19e5	0.78	I.O	1.00	1.000	25.15	1.000	100	100	0.133	
37	13C-1,2,3,4-TCDF	1.32e5	0.30	N.D	1.00	1.000	23.51	1.000	100	100	0.133	
38	13C-1,2,3,4,6,8-HxCDF	6.66e5	0.50	I.O	1.00	1.000	33.73	1.000	100	100	0.228	
39	Total Tetra-Dioxins				1.01	1.000			0.493		0.0169	0.492
40	Total Penta-Dioxins				1.00	1.000			2.52		0.0235	2.52
41	Total Hexa-Dioxins				0.94	1.000			7.19		0.0409	7.19
42	Total Hepta-Dioxins				0.96	1.000			2.44		0.0051	2.44
43	Total Tetra-Furans				0.80	1.000			0.495		0.0113	0.495
44	1st Func. Penta-Furans				0.95	1.000					0.00260	
45	Total Penta-Furans				0.95	1.000			4.99		0.0348	4.96
46	Total Hexa-Furans				0.96	1.000			9.52		0.0370	9.52
47	Total Hepta-Furans				0.96	1.000			4.82		0.0423	4.82
48	PFK1											
49	PFK2											
50	PFK3											
51	PFK4											
52	PFK5											



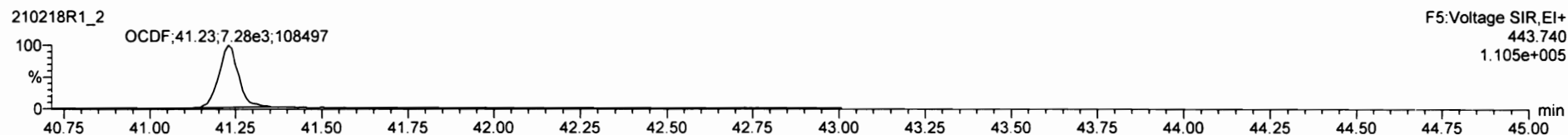
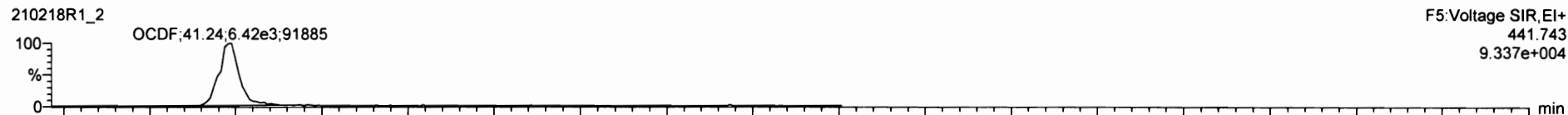
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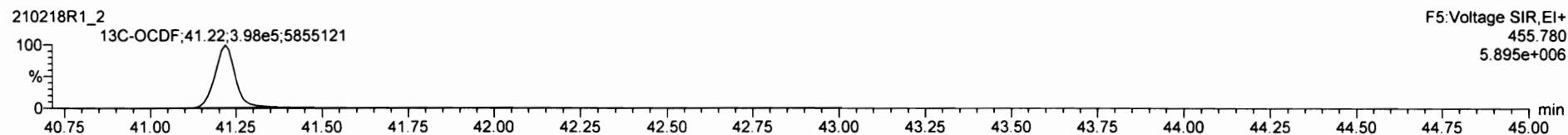
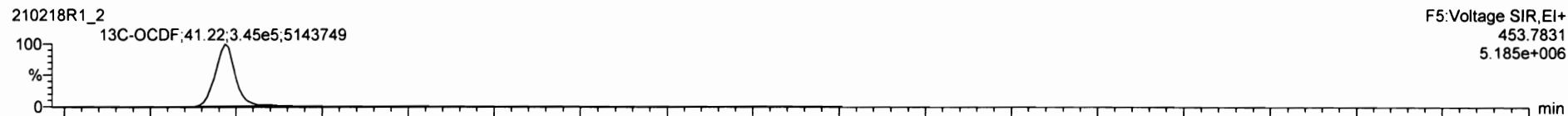
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Name: 210218R1_2, Date: 18-Feb-2021, Time: 10:06:22, ID: ST210218R1_2 1613 CS1 20H2519, Description: 1613 CS1 20H2519

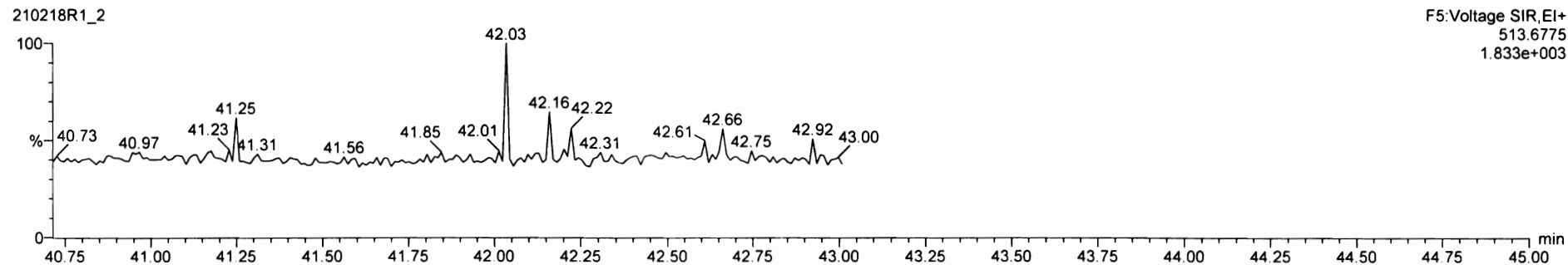
OCDF



13C-OCDF

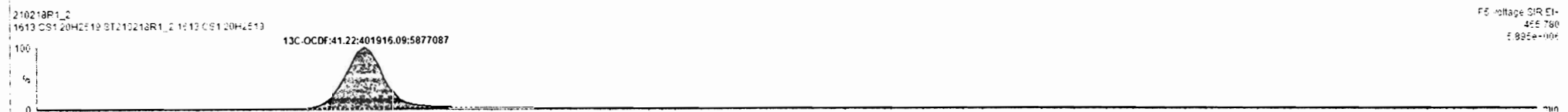
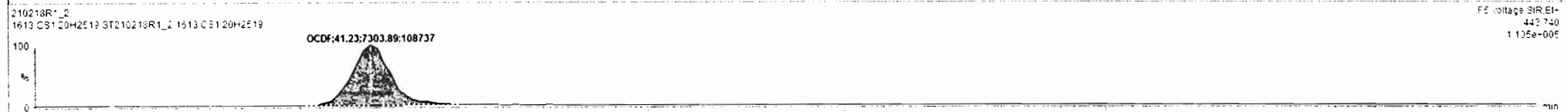


DPE5



210218R1_2 - ST210218R1_2 1613 CS1 20H2519 - 1613 CS1 20H2519

#	Name	Resp	RA	ny	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	ENPC
7	OCDD	1.24e4	0.95	NO	0.91	1.000	40.96	1.000	4.62	97.1	0.0549	4.36
8	2,3,7,8-TCDF	4.96e3	0.77	NO	0.80	1.000	25.25	1.001	0.495	99.0	0.0113	0.495
9	1,2,3,7,8-PeCDF	2.35e4	1.55	NO	0.95	1.000	29.50	1.000	2.45	99.5	0.0332	2.50
10	2,3,4,7,8-PeCDF	2.34e4	1.58	NO	1.14	1.000	30.70	1.000	2.45	99.5	0.0322	2.46
11	1,2,3,4,7,8-HxCDF	1.32e4	1.20	NO	0.96	1.000	33.32	1.001	2.39	99.1	0.0348	2.38
12	1,2,3,5,7,8-HxCDF	1.40e4	1.27	NO	0.90	1.000	33.45	1.000	2.39	99.5	0.0329	2.39
13	2,3,4,6,7,8-HxCDF	1.34e4	1.20	NO	0.96	1.000	34.08	1.000	2.41	99.4	0.0329	2.41
14	1,2,3,7,8,9-HxCDF	1.11e4	1.24	NO	0.92	1.000	35.05	1.001	2.44	97.6	0.0505	2.44
15	1,2,3,4,6,7,8-HpCDF	9.47e3	0.95	NO	0.95	1.000	36.55	1.000	2.43	97.2	0.0397	2.43
16	1,2,3,4,7,8,9-HpCDF	7.82e3	1.01	NO	1.10	1.000	38.73	1.000	2.39	95.8	0.0400	2.39
17	OCDF	1.36e4	0.85	NO	0.77	1.000	41.24	1.000	4.68	93.6	0.0669	4.68
18	13C-2,3,7,8-TCDD	7.67e5	0.78	NG	1.15	1.000	25.95	1.033	96.2	96.2	0.116	
19	13C-1,2,3,7,8-PeCDD	5.79e5	0.64	NG	0.83	1.000	30.88	1.028	96.9	96.9	0.107	
20	13C-1,2,3,4,7,8-HxCDD	4.24e5	1.28	NG	0.70	1.000	34.15	1.014	91.8	91.8	0.226	
21	13C-1,2,3,6,7,8-HxCDD	4.77e5	1.28	NG	0.81	1.000	34.30	1.017	89.9	89.9	0.197	
22	13C-1,2,3,7,8,9-HxCDD	4.22e5	1.27	NG	0.73	1.000	34.57	1.025	89.1	89.1	0.217	
23	13C-1,2,3,4,6,7,8-HpCDD	3.00e5	1.05	NG	0.50	1.000	38.05	1.123	92.1	92.1	0.221	

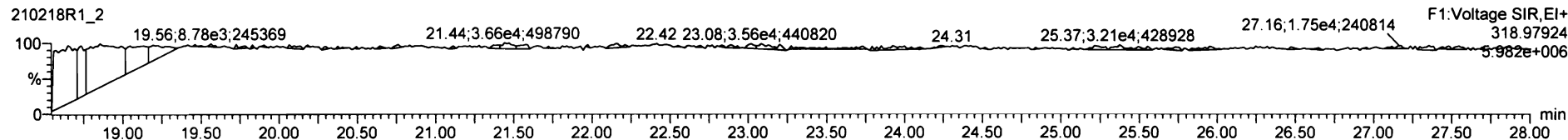


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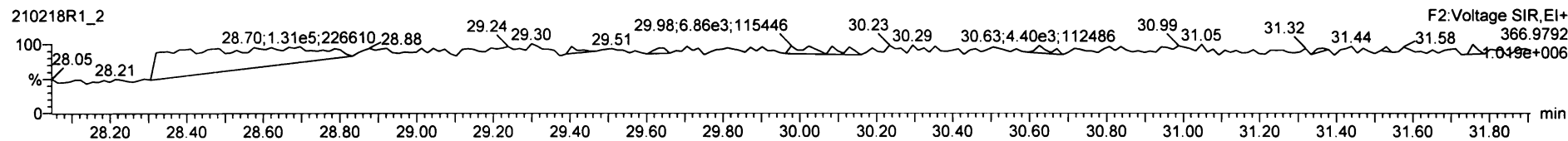
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Name: 210218R1_2, Date: 18-Feb-2021, Time: 10:06:22, ID: ST210218R1_2 1613 CS1 20H2519, Description: 1613 CS1 20H2519

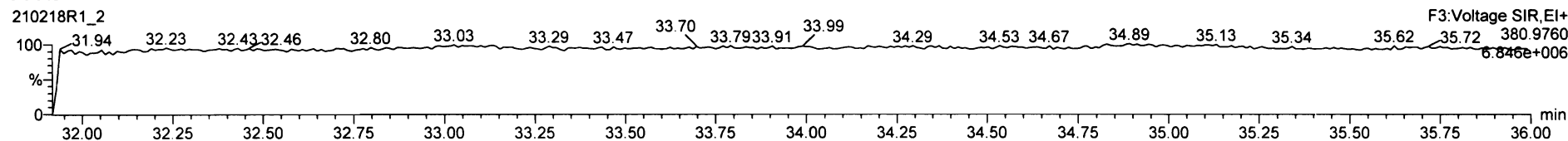
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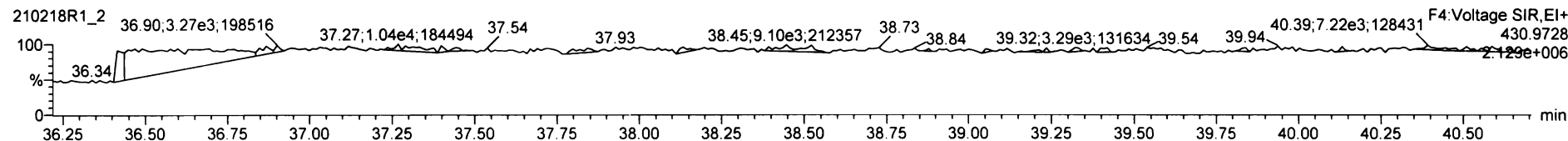
PFK2



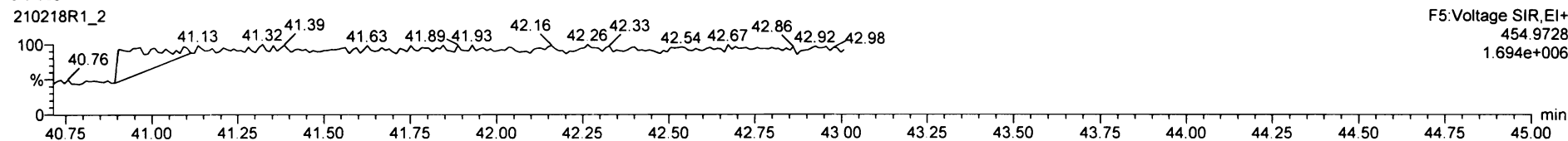
PFK3



PFK4



PFK5



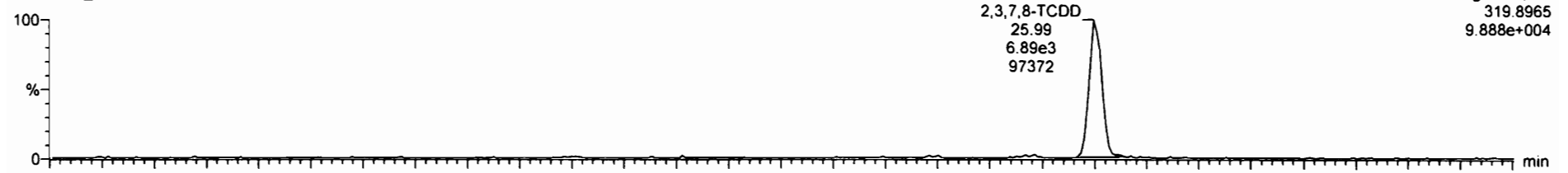
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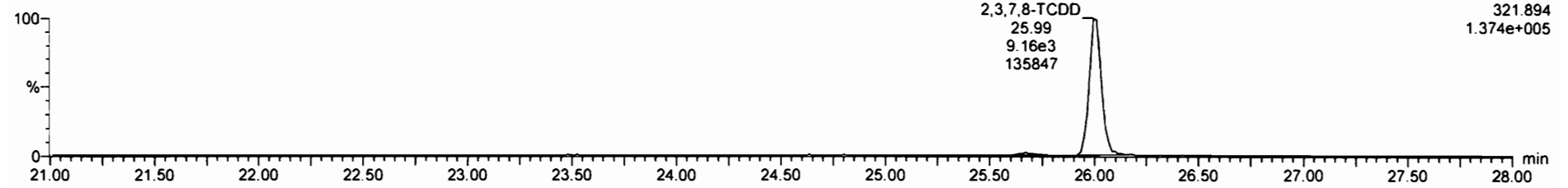
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2,3,7,8-TCDD

210218R1_3

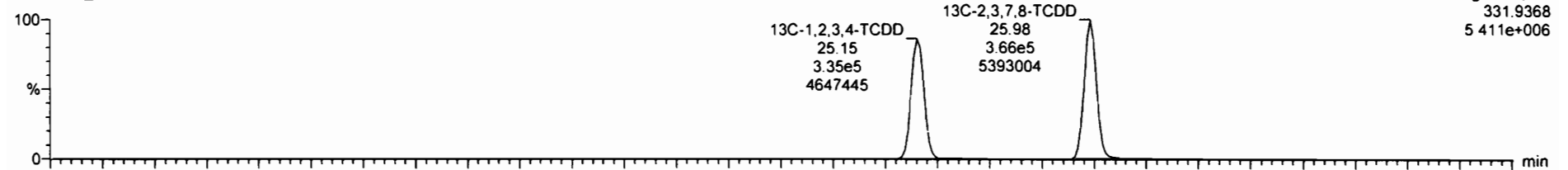


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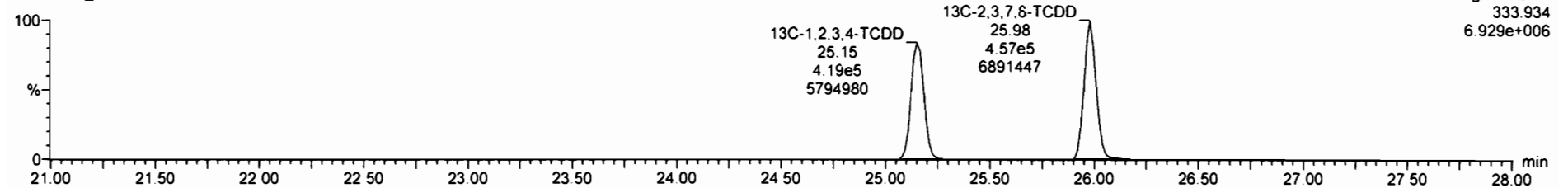


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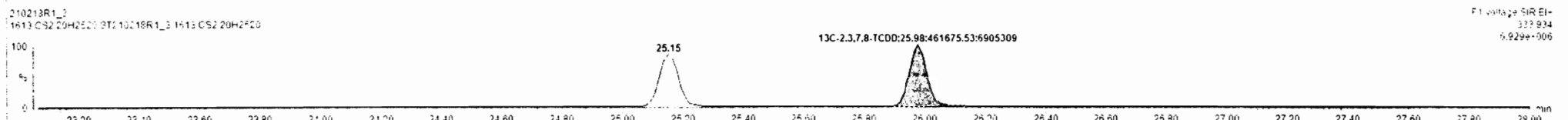
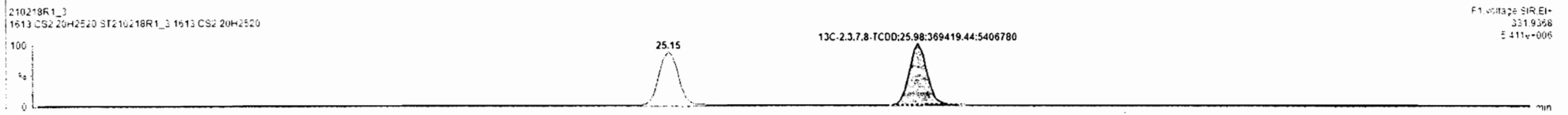
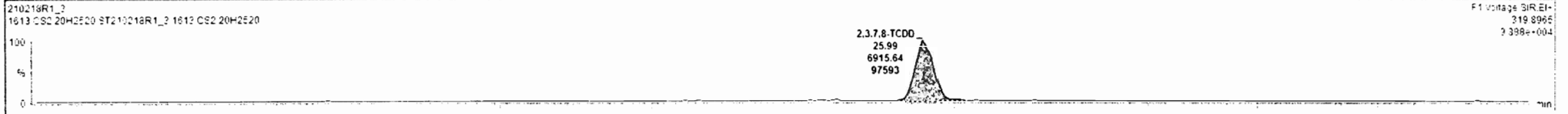
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210218R1_3



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1 2,3,7,8-TCDD	1.61e4	0.75	NO	1.01	1.000	25.99	1.001	1.92	96.2	0.0191	1.92
2 1,2,3,7,8-PeCDD	5.87e4	0.61	NO	1.00	1.000	25.92	1.000	10.1	101	0.0296	10.1
3 1,2,3,4,7,8-HxCDD	4.41e4	1.25	NO	1.06	1.000	24.20	1.000	9.96	99.6	0.0519	9.96
4 1,2,3,6,7,8-HxCDD	4.37e4	1.26	NO	0.94	1.000	24.31	1.000	9.69	96.9	0.0525	9.69
5 1,2,3,7,8,9-HxCDD	4.02e4	1.34	NO	0.96	1.000	24.59	1.000	9.79	97.9	0.0587	9.79
6 1,2,3,4,6,7,8-HpCDD	2.78e4	1.03	NO	0.96	1.000	26.26	1.000	9.80	96.8	0.0969	9.80
7 OCDD	4.61e4	0.57	NO	0.91	1.000	40.95	1.000	19.5	97.4	0.155	19.5
8 2,3,7,8-TCDF	2.02e4	0.77	NO	0.90	1.000	25.27	1.001	1.62	95.8	0.0122	1.62
9 1,2,3,7,8-PeCDF	9.76e4	1.58	NO	0.99	1.000	29.60	1.000	10.2	102	0.0415	10.2
10 2,3,4,7,8-PeCDF	9.72e4	1.53	NO	1.14	1.000	29.70	1.000	10.1	101	0.0391	10.1
11 1,2,3,4,7,8-HxCDF	5.82e4	1.24	NO	0.96	1.000	23.32	1.000	10.1	101	0.0522	10.1
12 1,2,3,6,7,8-HxCDF	6.01e4	1.22	NO	0.90	1.000	23.45	1.000	10.0	100	0.0472	10.0
13 2,3,4,6,7,8-HxCDF	5.63e4	1.24	NO	0.96	1.000	24.10	1.001	9.92	99.2	0.0542	9.92
14 1,2,3,7,8,9-HxCDF	4.44e4	1.23	NO	0.93	1.000	25.06	1.001	9.60	95.8	0.0750	9.60
15 1,2,3,4,6,7,8-HpCDF	3.72e4	1.03	NO	0.96	1.000	26.57	1.000	9.68	96.9	0.0649	9.68
16 1,2,3,4,7,8,9-HpCDF	3.08e4	1.00	NO	1.10	1.000	28.73	1.000	9.69	96.6	0.0862	9.69
17 OCDF	5.62e4	0.90	NO	0.77	1.000	41.23	1.000	20.0	99.9	0.112	20.0



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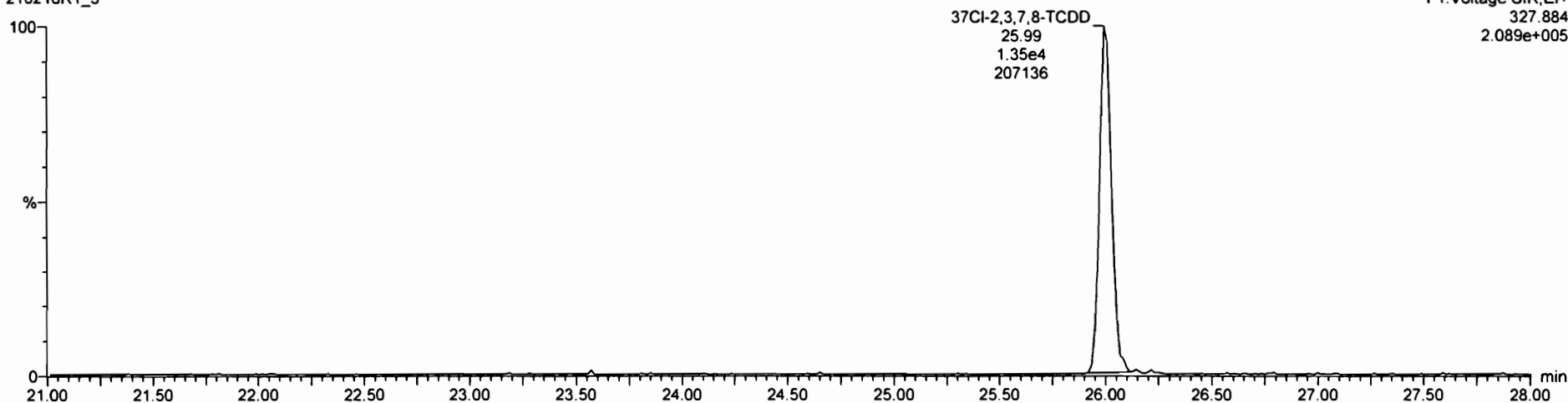
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

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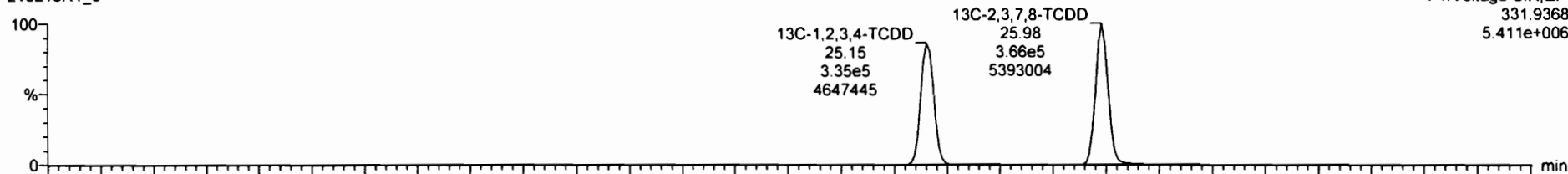
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210218R1_3

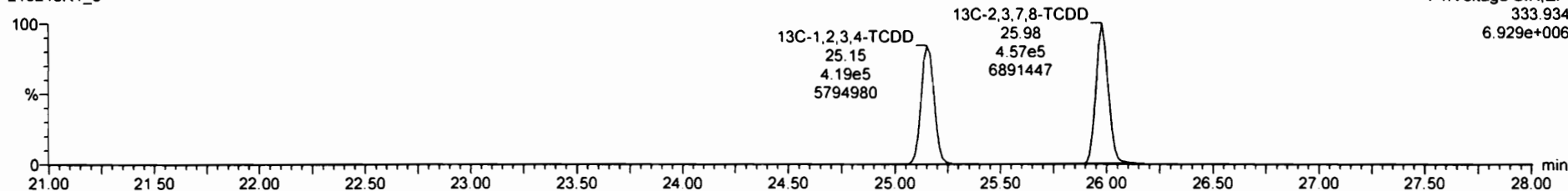


13C-1,2,3,4-TCDD

210218R1_3



210218R1_3



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Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time

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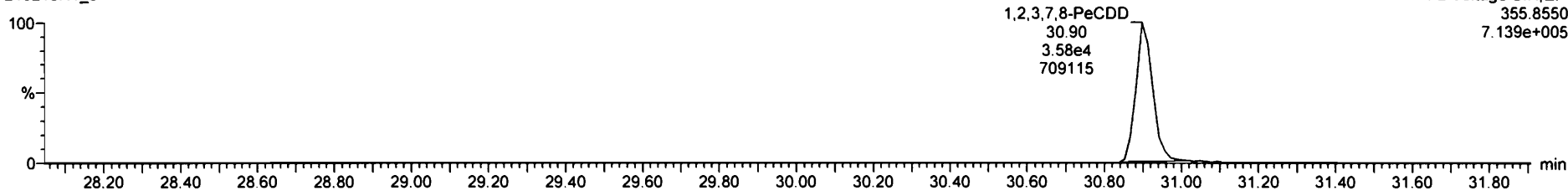
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210218R1_3



F2: Voltage SIR, EI+
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4.230e+005

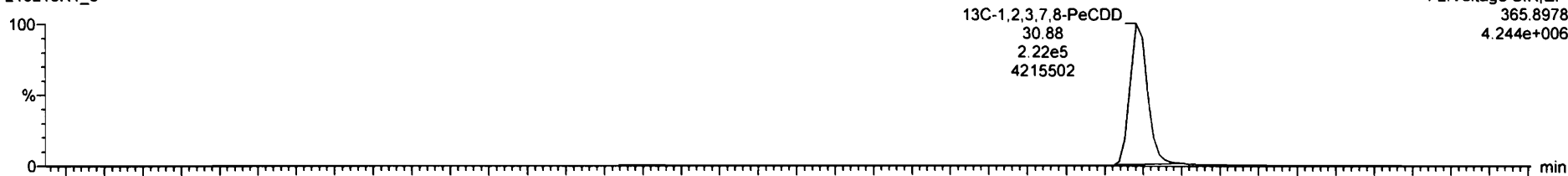
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F2: Voltage SIR, EI+
355.8550
7.139e+005

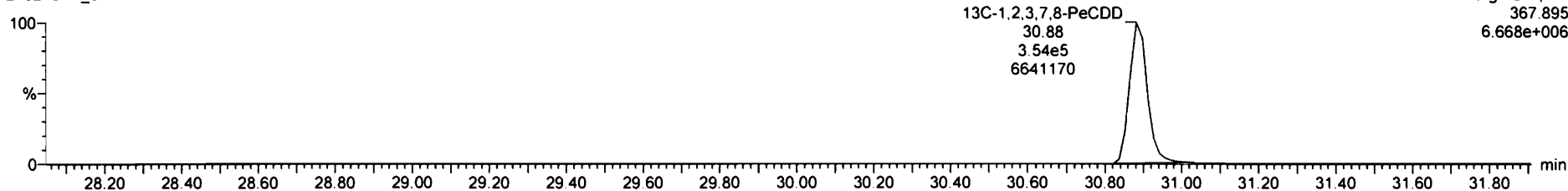
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210218R1_3



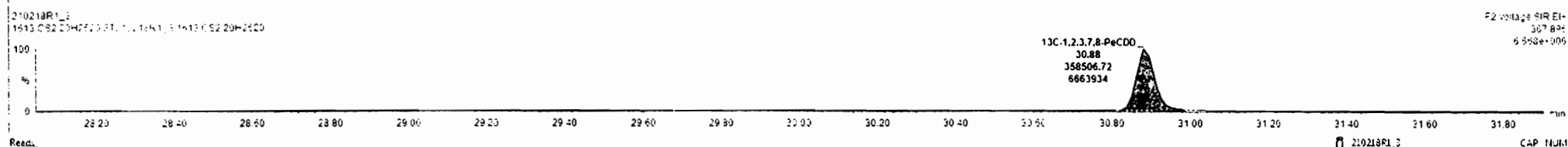
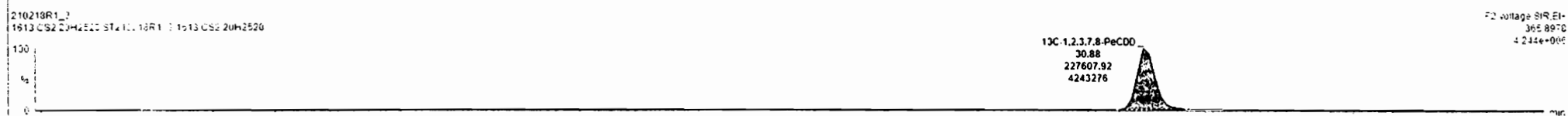
F2: Voltage SIR, EI+
365.8978
4.244e+006

210218R1_3



F2: Voltage SIR, EI+
367.895
6.668e+006

#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.81e4	0.75	NO	1.21	1.000	25.99	1.001	1.92	99.2	0.0181	1.32
2	1,2,3,7,8-PeCDD	5.87e4	0.61	NO	1.00	1.000	30.90	1.000	10.1	101	0.0208	10.1
3	1,2,3,4,7,8-HxCDD	4.41e4	1.25	NO	1.96	1.000	34.20	1.000	9.96	99.6	0.0519	9.96
4	1,2,3,6,7,8-HxCDD	4.37e4	1.26	NO	0.94	1.000	34.31	1.000	9.93	99.9	0.0525	9.99
5	1,2,3,7,8,9-HxCDD	4.02e4	1.34	NO	0.96	1.000	34.58	1.000	9.73	97.9	0.0587	9.79
6	1,2,3,4,6,7,8-HxCDD	2.78e4	1.03	NO	0.96	1.000	32.06	1.000	9.81	99.9	0.0969	9.86
7	OCDD	4.91e4	0.37	NO	0.91	1.000	40.95	1.000	19.5	97.4	0.155	19.1
8	2,3,7,8-TCDF	2.02e4	0.77	NO	0.80	1.000	25.27	1.001	1.92	99.8	0.0123	1.92
9	1,2,3,7,8-PeCDF	9.78e4	1.58	NO	0.99	1.000	29.60	1.000	10.2	102	0.0416	10.2
10	2,3,4,7,8-PeCDF	5.73e4	1.03	NO	1.14	1.000	32.70	1.000	10.1	101	0.0361	10.1
11	1,2,3,4,7,8-HxCDF	5.82e4	1.24	NO	0.96	1.000	32.32	1.000	10.1	101	0.0522	10.1
12	1,2,3,6,7,8-HxCDF	5.01e4	1.22	NO	0.90	1.000	33.49	1.000	10.0	100	0.0470	10.0
13	2,3,4,6,7,8-HxCDF	5.63e4	1.24	NO	0.96	1.000	34.10	1.001	9.92	99.2	0.0942	9.90
14	1,2,3,7,8,9-HxCDF	4.42e4	1.23	NO	0.93	1.000	35.06	1.001	9.50	95.0	0.0750	9.55
15	1,2,3,4,6,7,8-HxCDF	3.72e4	1.03	NO	0.96	1.000	36.57	1.000	9.88	98.8	0.0849	9.88
16	1,2,3,4,7,8,9-HxCDF	3.08e4	1.00	NO	1.10	1.000	39.73	1.000	9.55	95.5	0.0862	9.55
17	OCDF	5.82e4	0.90	NO	0.77	1.000	41.23	1.000	20.0	99.9	0.112	20.0



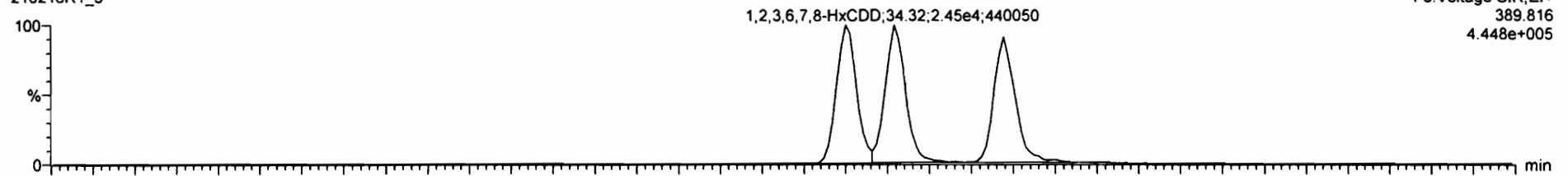
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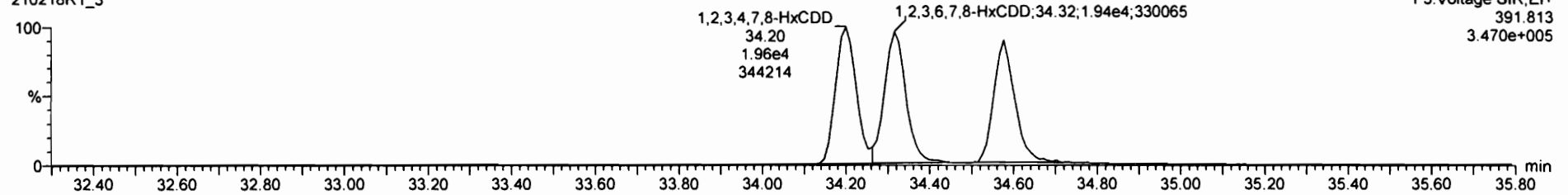
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210218R1_3

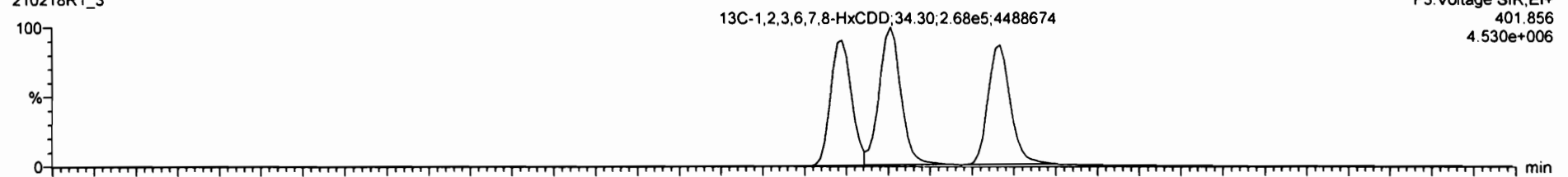


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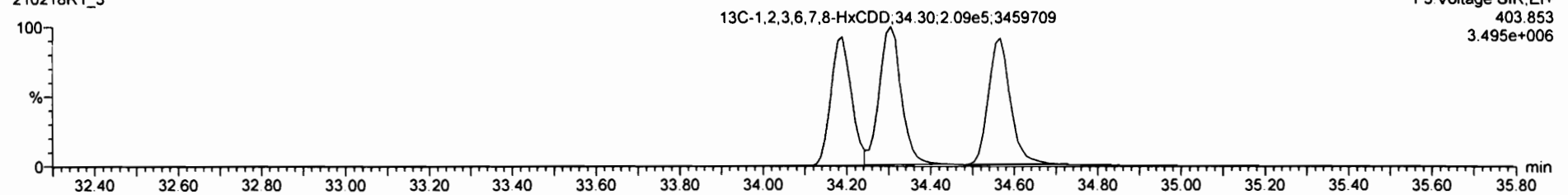


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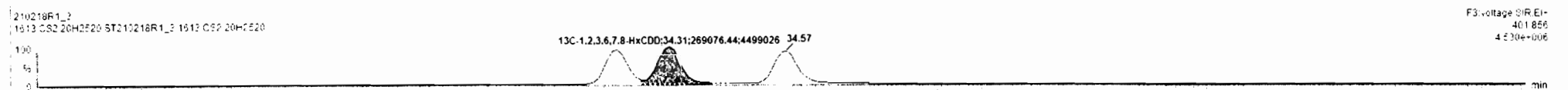
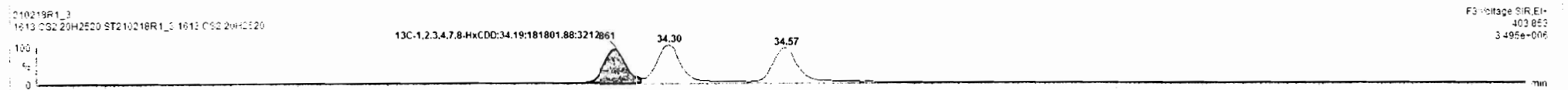
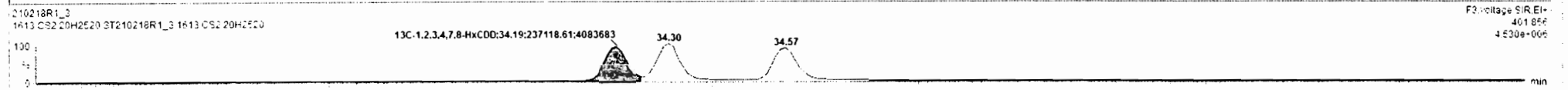
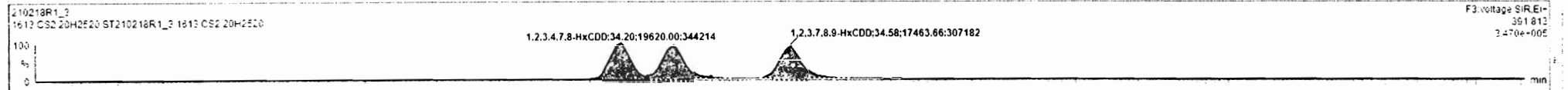
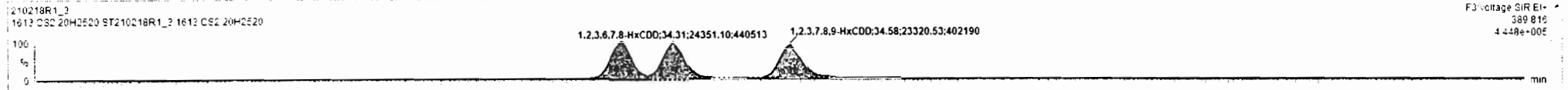
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210218R1_3



SI	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
26	13C-1,2,3,7,8-PeCDF	9.67e5	1.61	NO	0.76	1.000	29.59	1.176	36.7	89.7	0.207	
27	13C-2,3,4,7,8-PeCDF	8.47e5	1.60	NO	0.66	1.000	33.68	1.220	91.0	91.3	0.240	
28	13C-1,2,3,4,7,8-HxCDF	5.80e5	0.52	NO	0.95	1.000	33.31	0.958	94.6	94.6	0.247	
29	13C-1,2,3,6,7,8-HxCDF	6.68e5	0.51	NO	1.10	1.000	33.44	0.991	94.2	94.2	0.213	
30	13C-2,3,4,6,7,8-HxCDF	5.83e5	0.50	NO	0.96	1.000	34.07	1.010	94.2	94.2	0.245	
31	13C-1,2,3,7,8,9-HxCDF	5.02e5	0.50	NO	0.82	1.000	35.04	1.039	94.3	94.3	0.255	
32	13C-1,2,3,4,6,7,8-HpCDF	4.02e5	0.42	NC	0.65	1.000	36.58	1.054	93.9	93.9	0.256	
33	13C-1,2,3,4,7,8,9-HpCDF	2.95e5	0.42	NO	0.46	1.000	38.72	1.142	96.0	96.0	0.358	
34	13C-OCDF	7.52e5	0.50	NO	0.63	1.000	41.22	1.220	184	92.2	0.283	
35	13C-1,2,3,7,8-TCDF	1.36e4			1.04	1.000	25.98	1.033	1.72	56.2	0.115	
36	13C-1,2,3,4-CDD	7.62e5	0.30	NO	1.00	1.000	26.15	1.000	100	100	0.0903	
37	13C-1,2,3,4-TCDF	1.42e5	0.75	NO	1.00	1.000	23.50	1.000	100	100	0.110	
38	13C-1,2,3,4,6,8-HxCDF	6.46e5	0.50	NC	1.00	1.000	33.73	1.000	100	100	0.234	
39	Total Tetra-Dioxins				1.01	1.000			1.52		0.0151	1.92
40	Total Penta-Dioxins				1.00	1.000			10.1		0.0256	10.1
41	Total Hexa-Dioxins				0.94	1.000			29.4		0.0567	29.4
42	Total Hepta-Dioxins				0.96	1.000			5.65		0.0529	5.65



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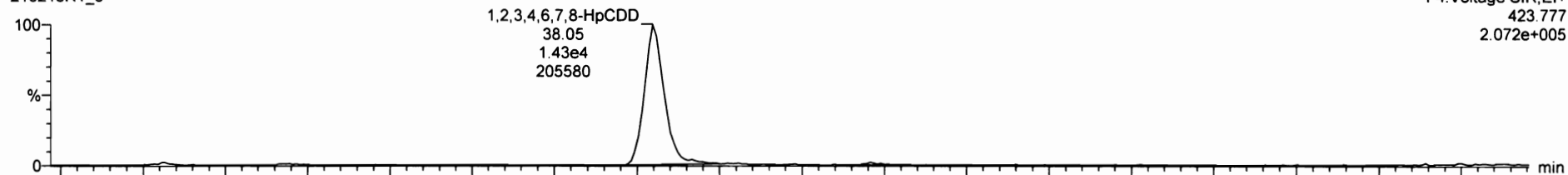
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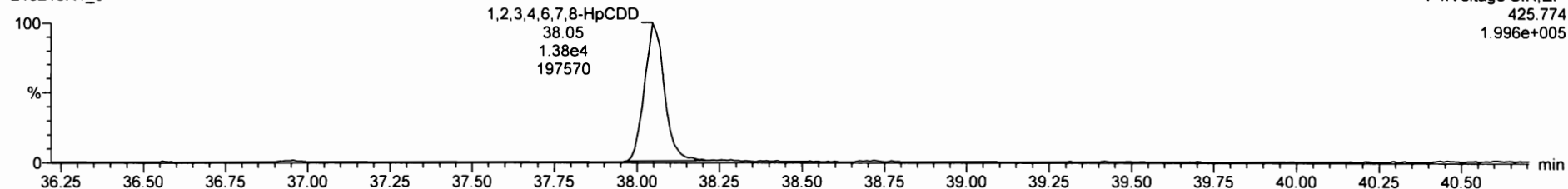
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1,2,3,4,6,7,8-HpCDD

210218R1_3

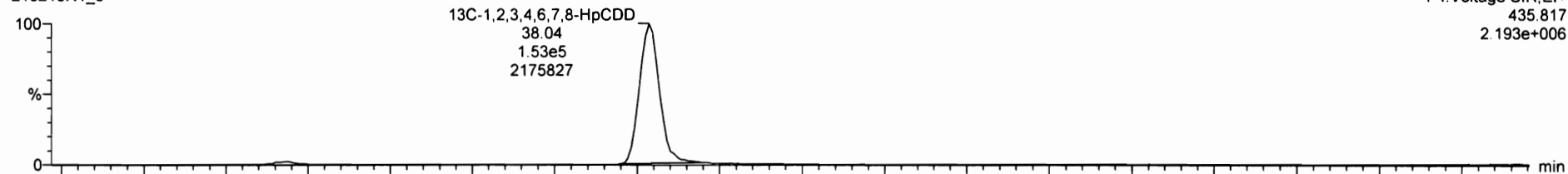


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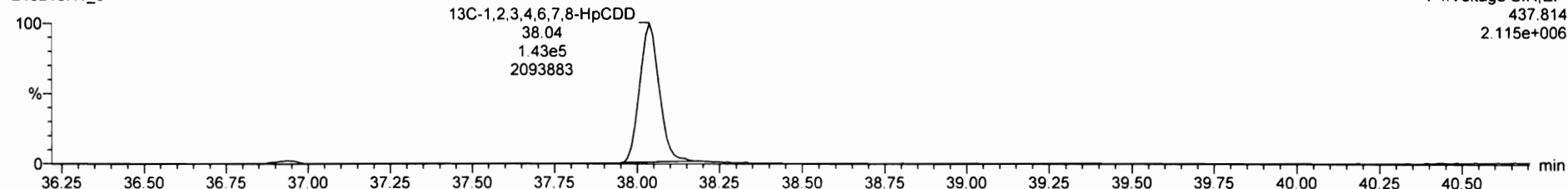


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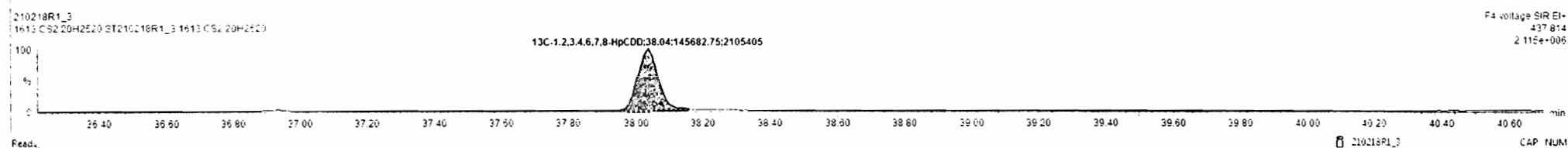
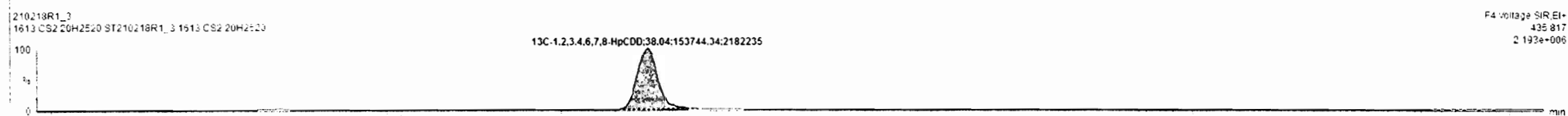
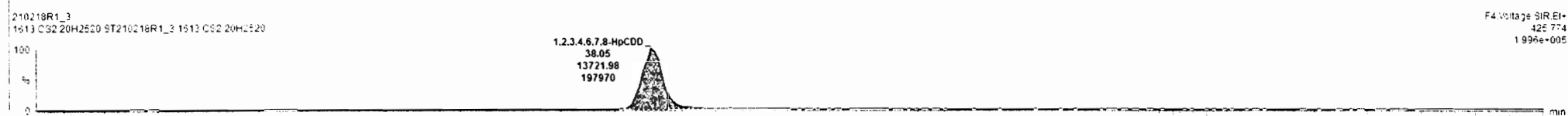
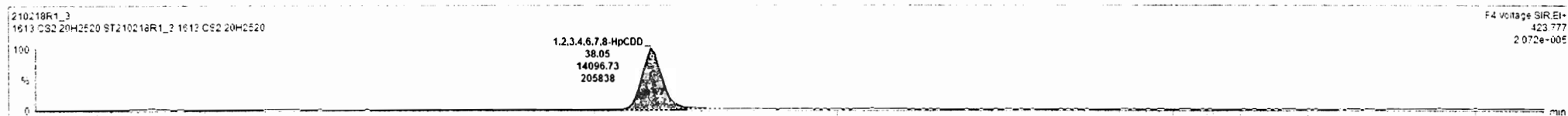
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210218R1_3



ID	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
26	13C-1,2,3,7,8-PeCDF	9.65e5	1.61	NO	0.76	1.000	29.59	1.176	39.7	89.7	0.207	
27	13C-2,3,4,7,8-PeCDF	8.47e5	1.60	NO	0.66	1.000	29.69	1.220	91.0	91.0	0.240	
28	13C-1,2,3,4,7,8-HxCDF	5.80e5	0.52	NO	0.95	1.000	32.31	0.958	34.6	94.6	0.247	
29	13C-1,2,3,6,7,8-HxCDF	6.66e5	0.51	NO	1.10	1.000	32.44	0.991	94.2	94.2	0.213	
30	13C-2,3,4,6,7,8-HxCDF	5.83e5	0.50	NO	0.96	1.000	34.07	1.010	94.2	94.2	0.245	
31	13C-1,2,3,7,8,9-HxCDF	5.00e5	0.50	NO	0.82	1.000	35.04	1.039	94.3	94.3	0.255	
32	13C-1,2,3,4,6,7,8-HpCDF	4.02e5	0.42	NO	0.66	1.000	36.56	1.004	92.9	92.9	0.266	
33	13C-1,2,3,4,7,8,9-HpCDF	2.95e5	0.42	NO	0.46	1.000	38.72	1.148	96.0	96.0	0.358	
34	13C-OCDF	7.52e5	0.50	NO	0.61	1.000	41.22	1.220	164	92.0	0.293	
35	17Cl-2,3,7,8-TCDF	1.36e4			1.04	1.000	29.99	1.022	172	96.2	0.0185	
36	13C-1,2,3,4-TCDF	7.62e5	0.30	NO	1.00	1.000	29.15	1.000	100	100	0.0902	
37	13C-1,2,3,4-CDF	1.42e6	0.79	NO	1.00	1.000	23.50	1.000	100	100	0.110	
38	13C-1,2,3,4,6,9-HxCDF	6.49e5	0.50	NO	1.00	1.000	32.72	1.000	100	100	0.234	
39	Total Tetra-Dioxins				1.01	1.000			152		0.0191	1.92
40	Total Penta-Dioxins				1.00	1.000			10.1		0.0286	10.1
41	Total Hexa-Dioxins				0.94	1.000			26.4		0.0567	26.4
42	Total Hepta-Dioxins				0.96	1.000			9.68		0.0969	9.68

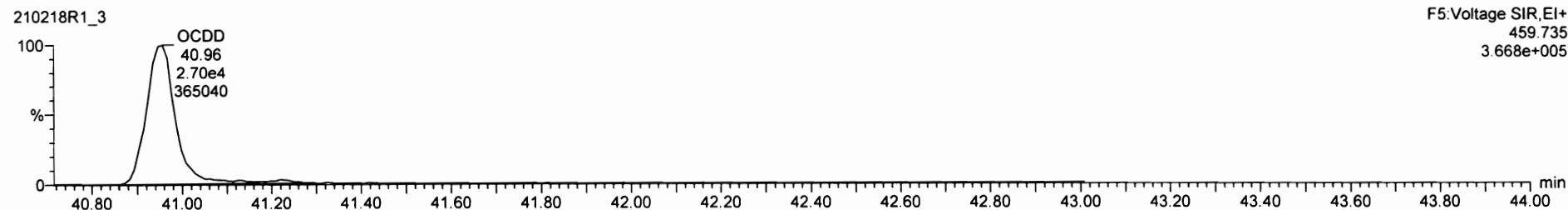


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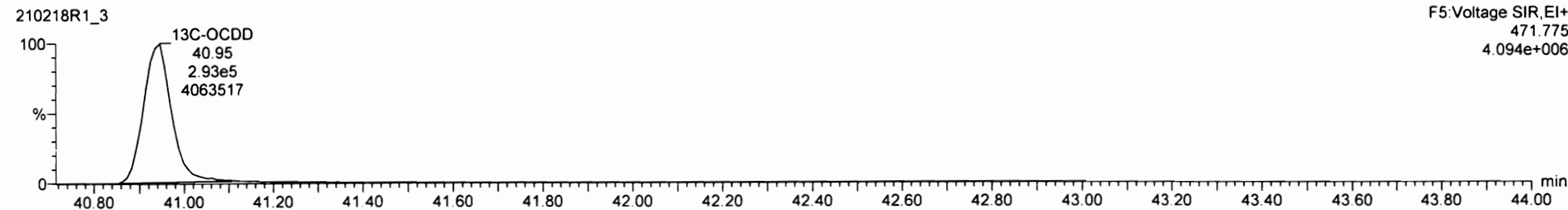
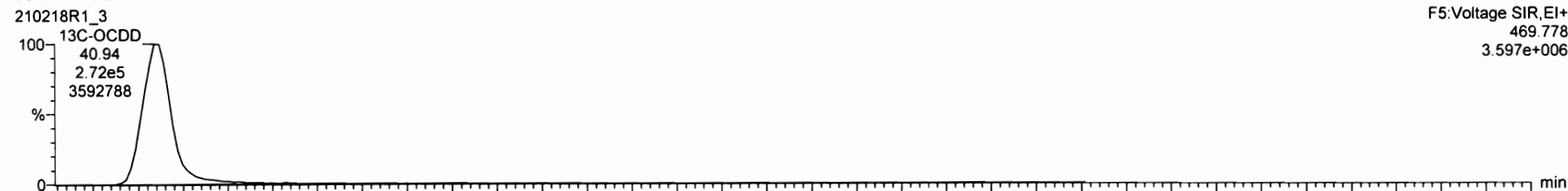
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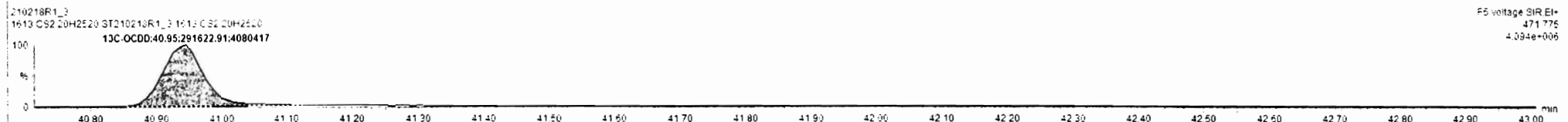
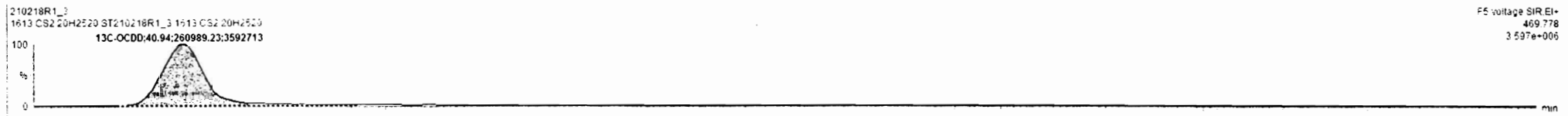
OCDD



13C-OCDD



ID	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
7	OCDD	4.91e4	0.87	NO	0.91	1.000	40.95	1.000	19.5	97.4	0.155	19.5
8	2,3,7,8-TCDF	2.02e4	0.77	NO	0.80	1.000	25.27	1.001	1.92	95.8	0.0123	1.92
9	1,2,3,7,8-PeCDF	9.78e4	1.58	NO	0.95	1.000	29.60	1.000	10.2	102	0.041E	10.2
10	2,3,4,7,8-PeCDF	9.73e4	1.53	NO	1.14	1.000	30.70	1.000	10.1	101	0.0391	10.1
11	1,2,3,4,7,8-HxCDF	5.62e4	1.24	NO	0.96	1.000	33.32	1.000	10.1	101	0.0522	10.1
12	1,2,3,6,7,8-HxCDF	6.01e4	1.22	NO	0.90	1.000	33.45	1.000	10.0	100	0.0472	10.0
13	2,3,4,6,7,8-HxCDF	5.57e4	1.24	NO	0.90	1.000	34.10	1.001	9.92	99.2	0.0542	9.92
14	1,2,3,7,8,9-HxCDF	4.44e4	1.23	NO	0.92	1.000	35.06	1.001	9.58	95.8	0.0750	9.58
15	1,2,3,4,6,7,8-HpCDF	3.72e4	1.03	NO	0.98	1.000	36.57	1.000	9.85	98.5	0.0849	9.85
16	1,2,3,4,7,8,9-HpCDF	3.05e4	1.00	NO	1.10	1.000	35.73	1.000	5.55	95.5	0.0822	5.55
17	OCDF	5.82e4	0.90	NO	0.77	1.000	41.23	1.000	20.0	99.9	0.112	20.0
18	13C-2,3,7,8-TCDD	3.21e5	0.80	NO	1.15	1.000	25.98	1.033	34.6	94.2	0.0785	
19	13C-1,2,3,7,8-PeCDD	5.62e5	0.83	NO	0.83	1.000	35.65	1.228	92.7	92.7	0.155	
20	13C-1,2,3,4,7,8-HxCDD	4.15e5	1.30	NO	0.70	1.000	34.19	1.014	52.2	52.2	0.232	
21	13C-1,2,3,6,7,8-HxCDD	4.75e5	1.28	NO	0.81	1.000	34.31	1.017	51.7	51.7	0.201	
22	13C-1,2,3,7,8,9-HxCDD	4.25e5	1.25	NO	0.73	1.000	34.57	1.025	52.0	52.0	0.222	
23	13C-1,2,3,4,6,7,8-HpCDD	2.95e5	1.05	NO	0.50	1.000	38.04	1.128	92.3	92.3	0.439	



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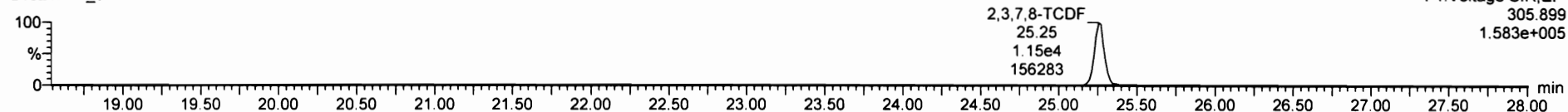
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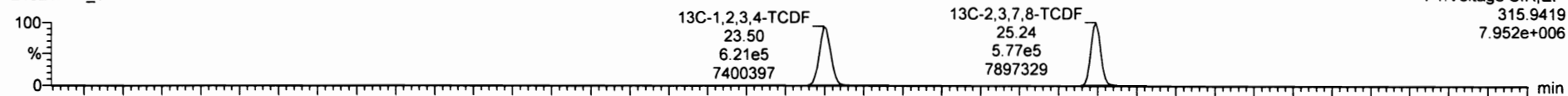


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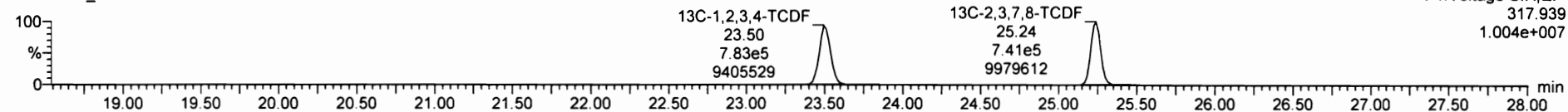


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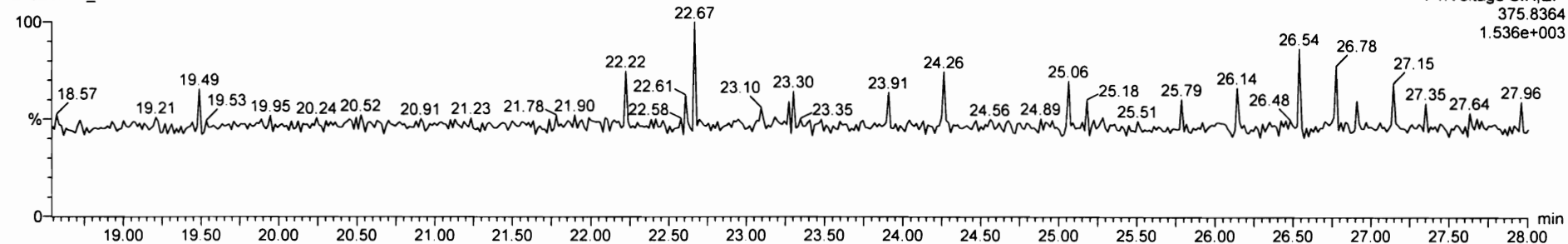


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DPE1

210218R1_3



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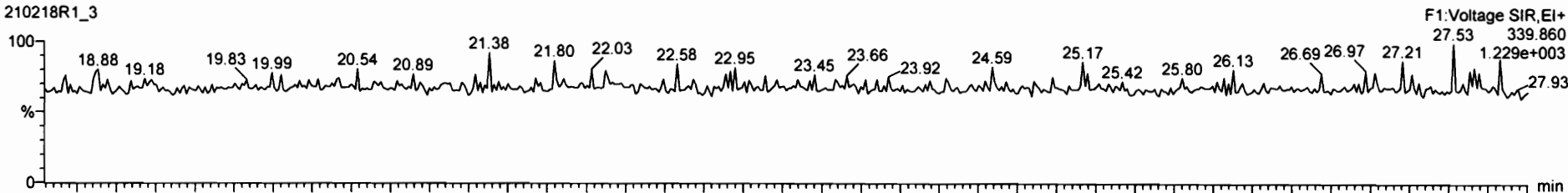
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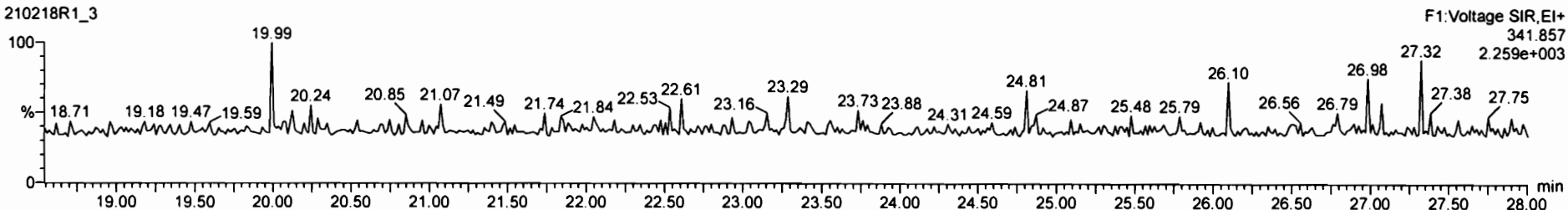
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1st Func. Penta-Furans

210218R1_3

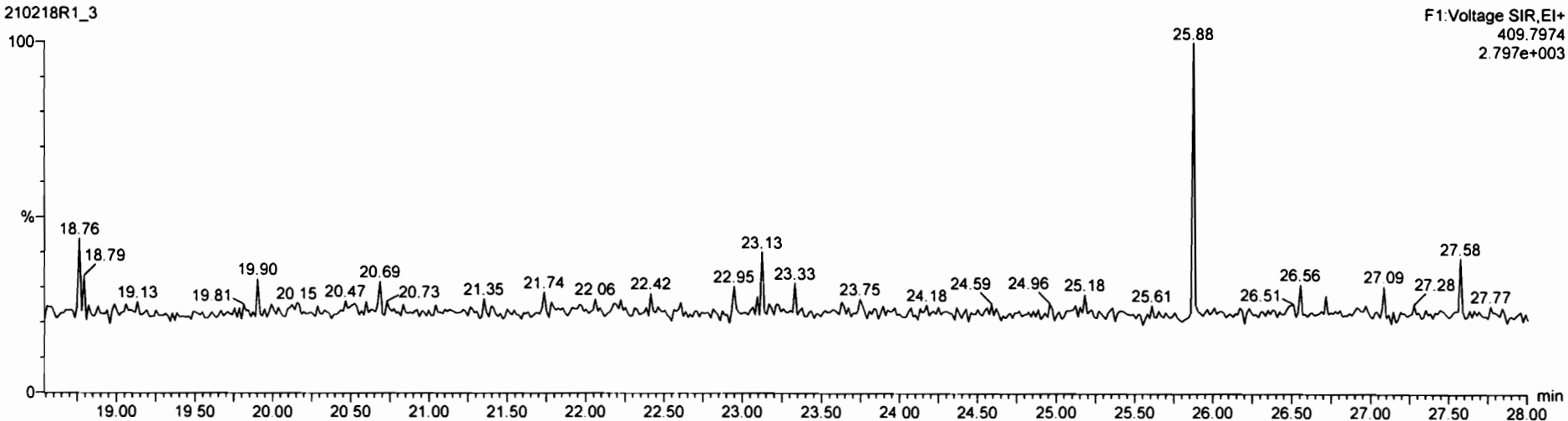


210218R1_3



DPE6

210218R1_3



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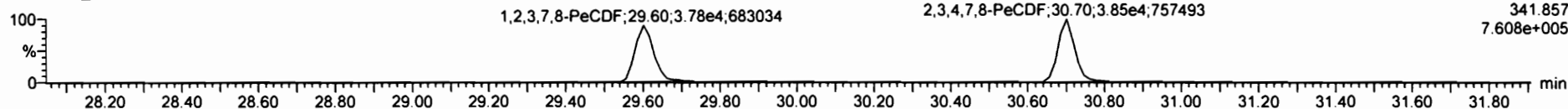
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210218R1_3



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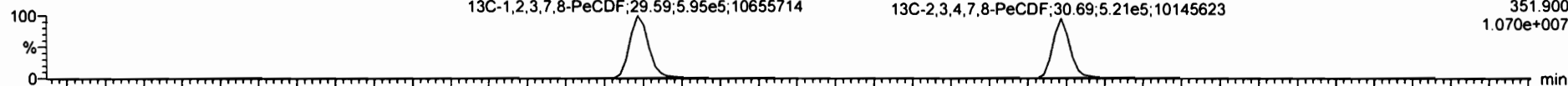
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7.608e+005

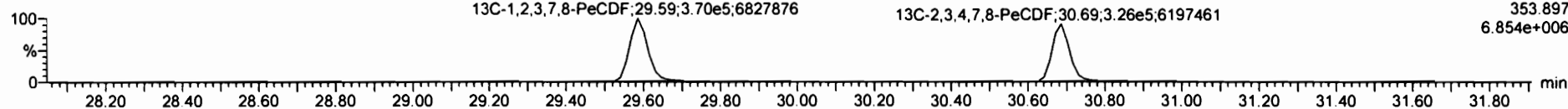
13C-1,2,3,7,8-PeCDF

210218R1_3



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1.070e+007

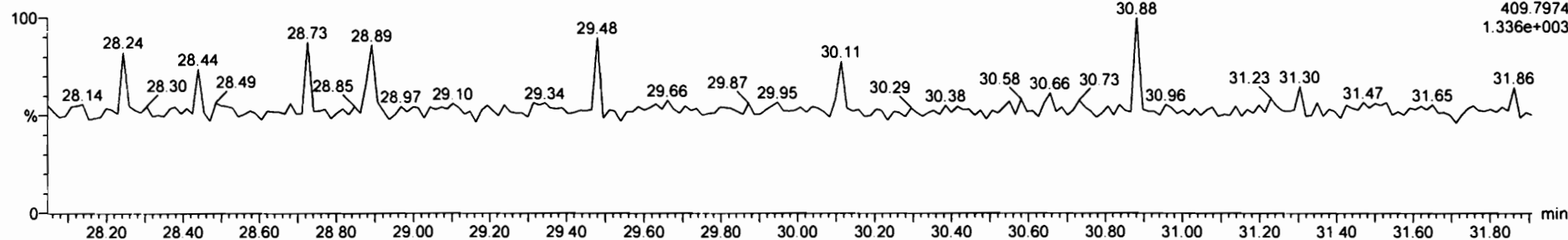
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F2:Voltage SIR,EI+
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DPE2

210218R1_3



F2:Voltage SIR,EI+
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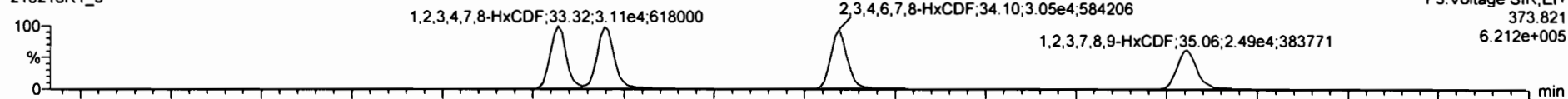
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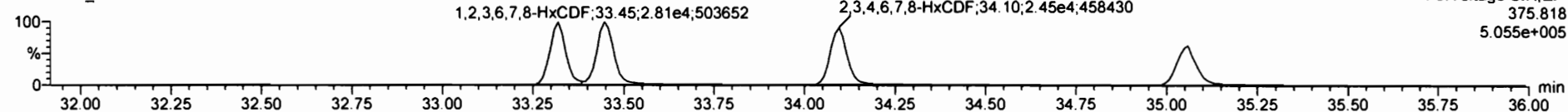
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1,2,3,4,7,8-HxCDF

210218R1_3

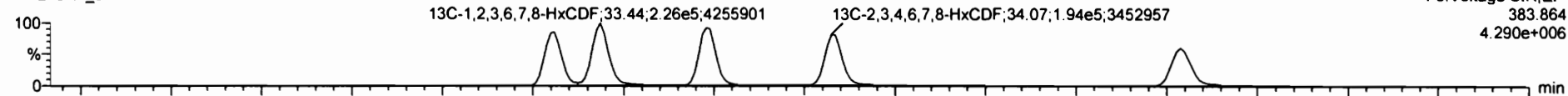


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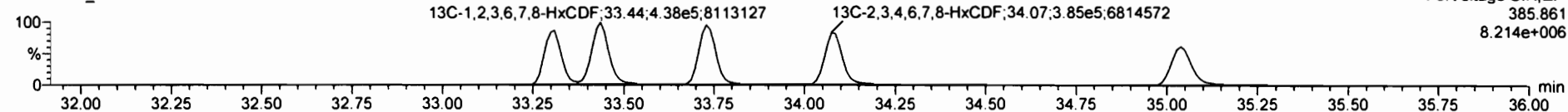


13C-1,2,3,4,7,8-HxCDF

210218R1_3

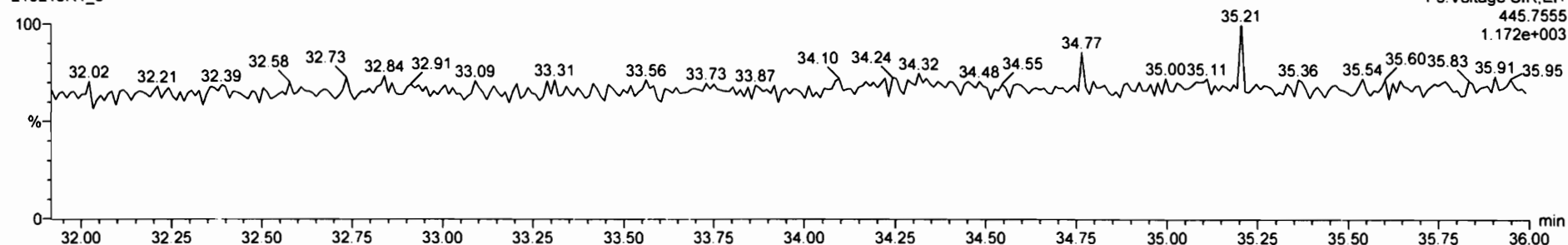


210218R1_3



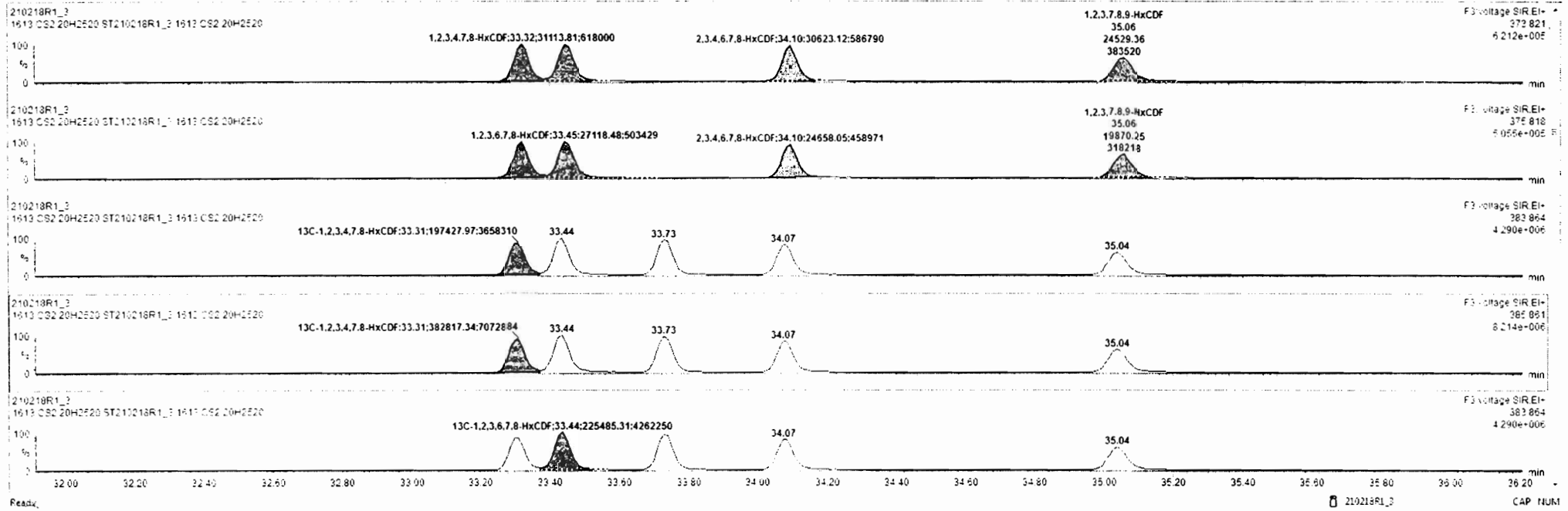
DPE3

210218R1_3



210218R1_3 - ST210218R1_3 1613 CS2 20H2520 - 1613 CS2 20H2520

#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
30	13C-1,2,3,4,6,7,8-HxCDF	5.62e5	0.50	NO	0.96	1.000	34.07	1.010	94.2	94.2	0.245	
31	13C-1,2,3,7,8,9-HxCDF	5.00e5	0.50	NO	0.82	1.000	35.04	1.029	94.3	94.3	0.285	
32	13C-1,2,3,4,6,7,8-HpCDF	4.02e5	0.43	NO	0.56	1.000	36.56	1.084	93.9	93.9	0.286	
33	13C-1,2,3,4,7,8,9-HpCDF	2.95e5	0.42	NO	0.48	1.000	33.72	1.148	96.0	96.0	0.398	
34	13C-OCDF	7.62e5	0.80	NO	0.83	1.000	41.22	1.223	184	52.2	0.283	
35	13C-1,2,3,7,8-TCDF	1.36e4			1.04	1.000	25.99	1.033	1.72	56.2	0.0115	
36	13C-1,2,3,4-TCDF	7.62e5	0.80	NO	1.00	1.000	25.15	1.000	100	100	0.0603	
37	13C-1,2,3,4-TCDF	1.42e5	0.79	NO	1.00	1.000	23.50	1.000	100	100	0.112	
38	13C-1,2,3,4,6,8-HxCDF	6.48e5	0.50	NO	1.00	1.000	33.73	1.000	100	100	0.234	
39	Total Tetra-Dioxins				1.01	1.000			1.92		0.0191	1.92
40	Total Penta-Dioxins				1.00	1.000			10.1		0.0286	10.1
41	Total Hexa-Dioxins				0.94	1.000			29.4		0.0567	29.4
42	Total Hepta-Dioxins				0.96	1.000			9.85		0.0959	9.88
43	Total Tetra-Furans				0.80	1.000			1.92		0.0123	1.92
44	1st Func. Penta-Furans				0.99	1.000					0.00190	
45	Total Penta-Furans				0.99	1.000			20.4		0.0424	20.4
46	Total Hexa-Furans				0.96	1.000			39.6		0.0548	39.6



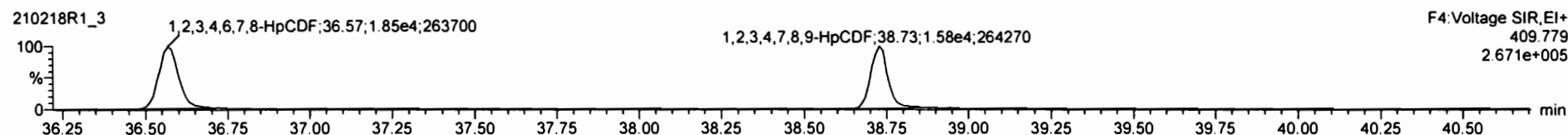
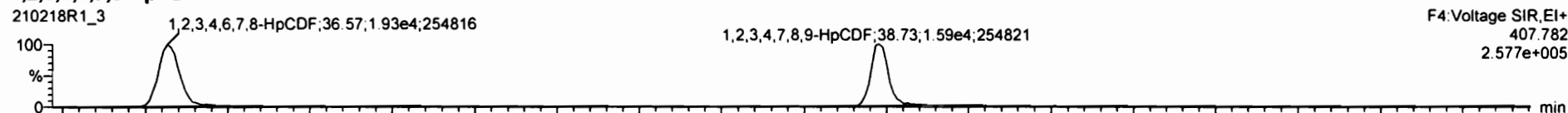
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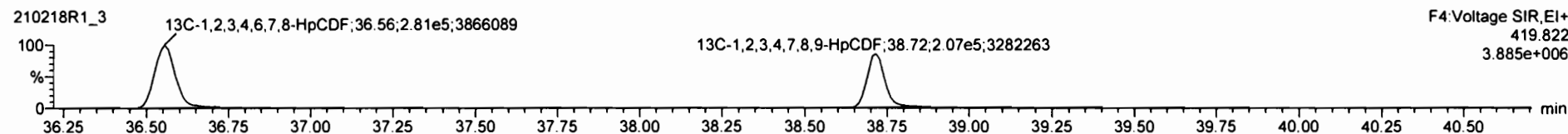
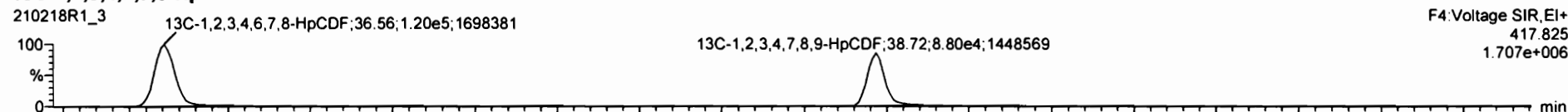
Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_3, Date: 18-Feb-2021, Time: 10:50:36, ID: ST210218R1_3 1613 CS2 20H2520, Description: 1613 CS2 20H2520

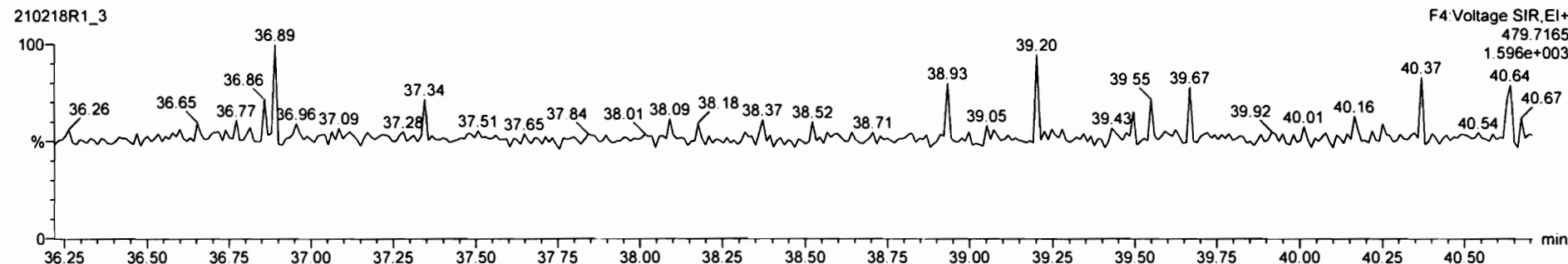
1,2,3,4,6,7,8-HpCDF



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



DPE4

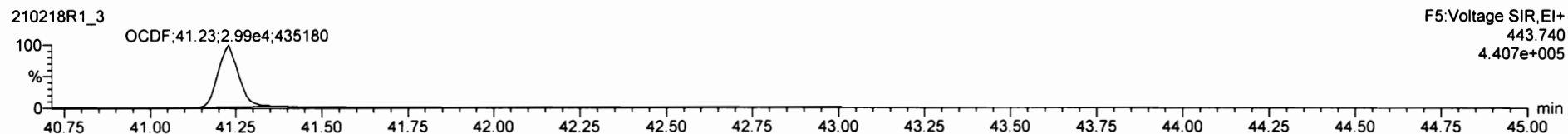


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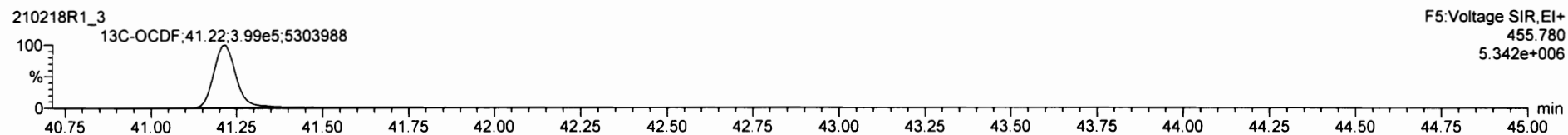
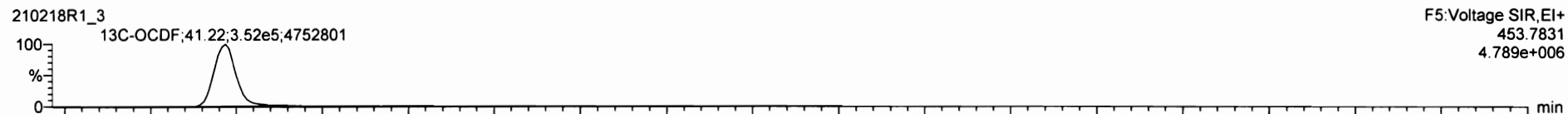
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

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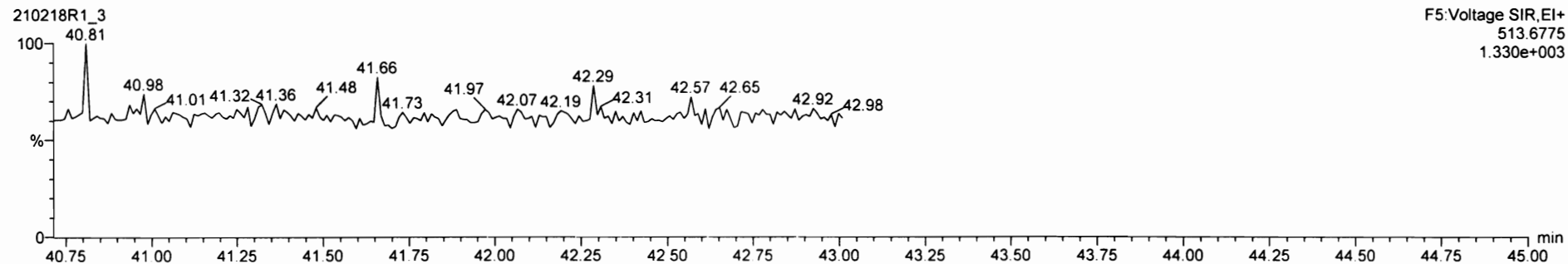
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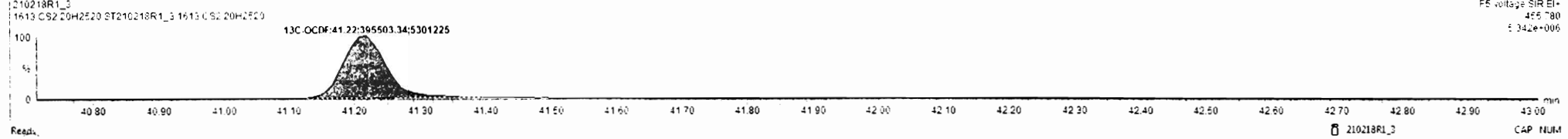
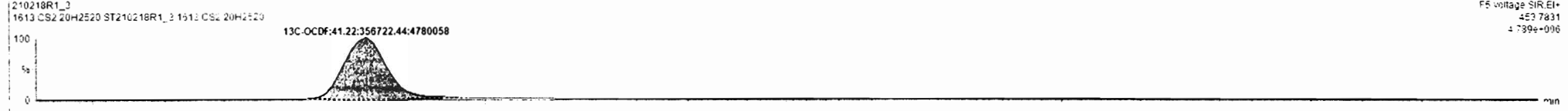
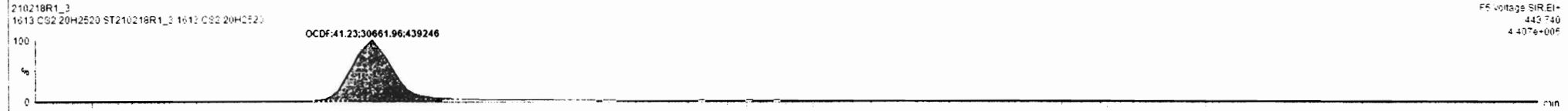
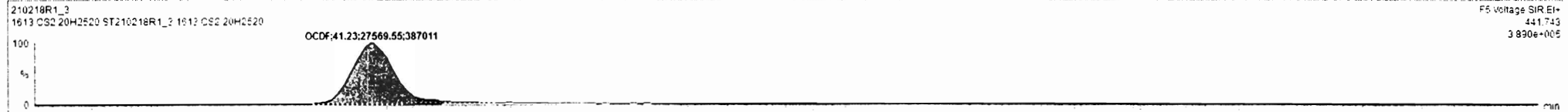
13C-OCDF



DPE5



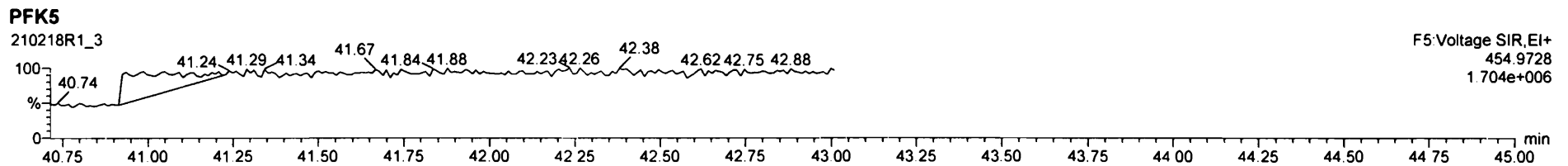
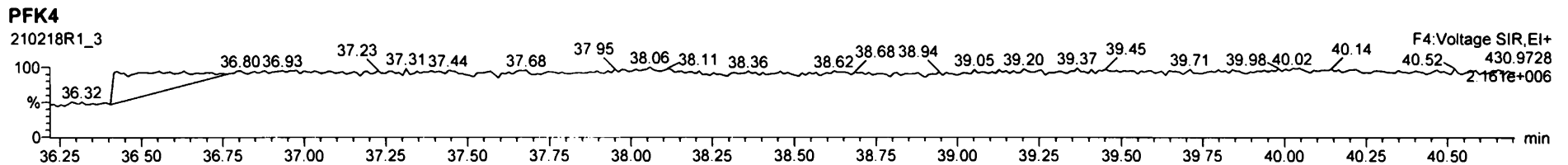
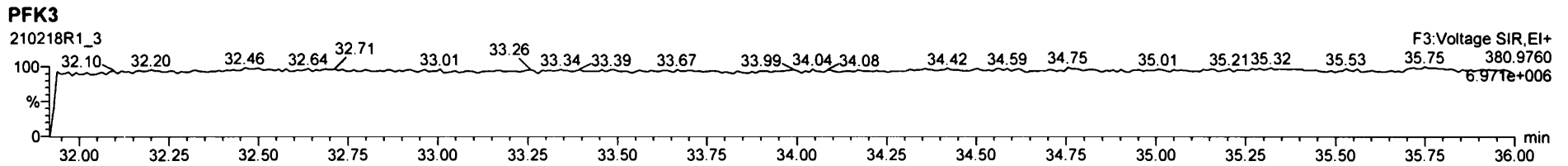
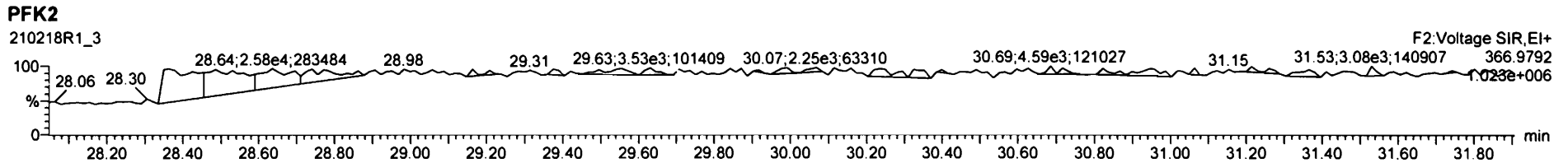
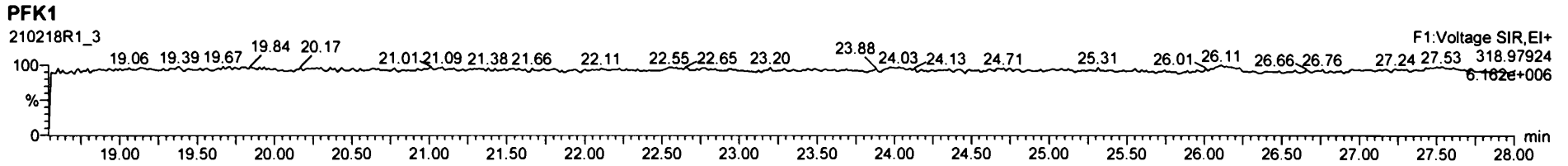
Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
13 2,3,4,6,7,8-HxCDF	5.62e4	1.24	NO	0.96	1.000	34.10	1.001	9.62	99.2	0.0542	9.92
14 1,2,3,7,8-HxCDF	4.44e4	1.23	NO	0.93	1.000	35.06	1.001	9.69	96.8	0.0760	9.69
15 1,2,3,4,6,7,8-HpCDF	3.72e4	1.02	NO	0.96	1.000	36.57	1.000	9.68	96.8	0.0549	9.68
16 1,2,3,4,7,8,9-HpCDF	3.09e4	1.00	NO	1.10	1.000	38.73	1.000	9.65	96.5	0.0862	9.65
17 OCDF	5.82e4	0.90	NO	0.77	1.000	41.23	1.000	20.0	99.9	0.112	20.0
18 13C-2,3,7,8-TCDF	3.31e5	0.80	NO	1.15	1.000	26.98	1.033	94.6	94.8	0.0795	
19 13C-1,2,3,7,8-PeCDD	5.65e5	0.62	NO	0.63	1.000	30.88	1.228	92.7	92.7	0.155	
20 13C-1,2,3,4,7,8-HxCDD	4.19e5	1.30	NO	0.76	1.000	34.19	1.014	92.2	92.2	0.230	
21 13C-1,2,3,6,7,8-HxCDD	4.79e5	1.28	NO	0.81	1.000	34.31	1.017	91.7	91.7	0.201	
22 13C-1,2,3,7,8,9-HxCDD	4.35e5	1.25	NO	0.73	1.000	34.57	1.025	92.0	92.0	0.222	
23 13C-1,2,3,4,6,7,8-HpCDD	2.99e5	1.05	NO	0.50	1.000	38.04	1.128	93.3	93.3	0.435	
24 13C-OCDD	5.93e5	0.85	NO	0.46	1.000	40.94	1.214	185	92.5	0.450	
25 13C-2,3,7,8-TCDF	1.32e6	0.76	NO	0.58	1.000	26.24	1.003	95.2	95.2	0.114	
26 13C-1,2,3,7,8-PeCDF	9.65e5	1.61	NO	0.76	1.000	26.59	1.178	35.7	35.7	0.207	
27 13C-2,3,4,7,8-PeCDF	9.47e5	1.60	NO	0.66	1.000	20.69	1.220	91.0	91.0	0.240	
28 13C-1,2,3,4,7,8-HxCDF	5.60e5	0.62	NO	0.55	1.000	33.31	0.988	94.6	94.6	0.247	
29 13C-1,2,3,6,7,8-HxCDF	6.60e5	0.51	NO	1.10	1.000	33.44	0.991	94.2	94.2	0.213	



Dataset: Untitled

Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time
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Name: 210218R1_3, Date: 18-Feb-2021, Time: 10:50:36, ID: ST210218R1_3 1613 CS2 20H2520, Description: 1613 CS2 20H2520



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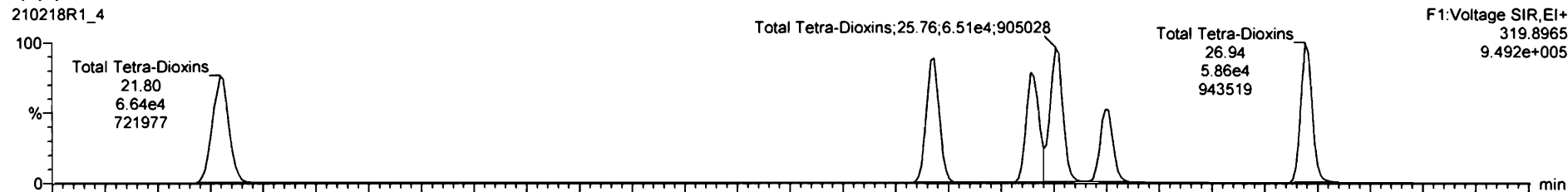
Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time

Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

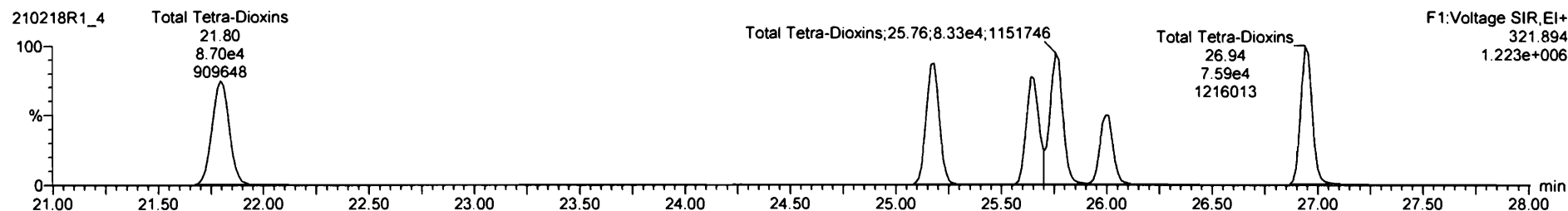
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2,3,7,8-TCDD

210218R1_4

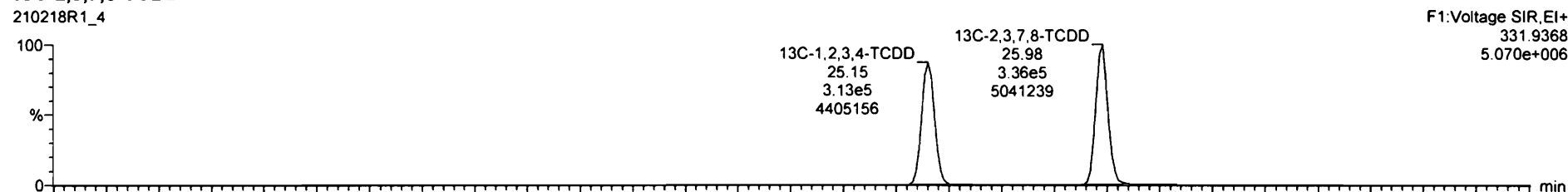


210218R1_4

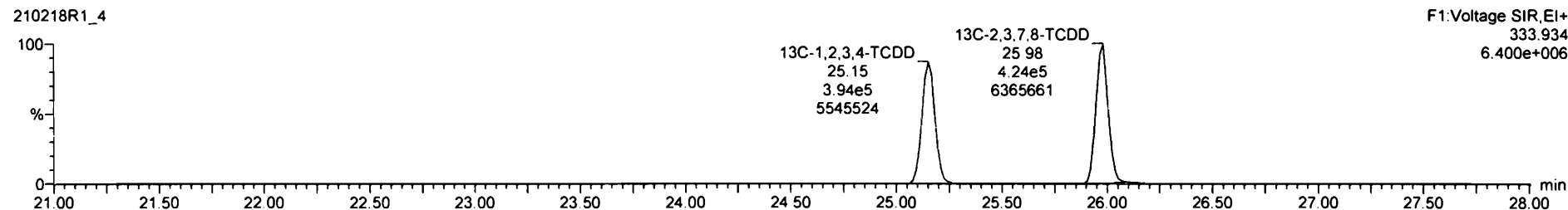


13C-2,3,7,8-TCDD

210218R1_4

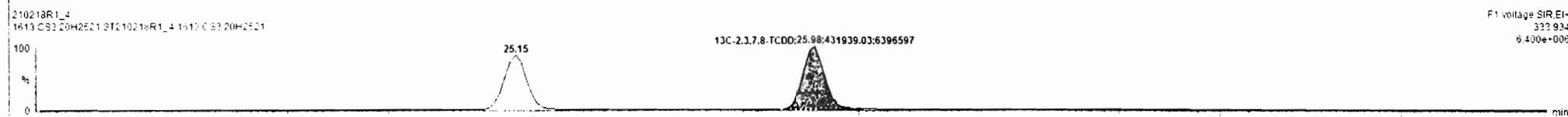
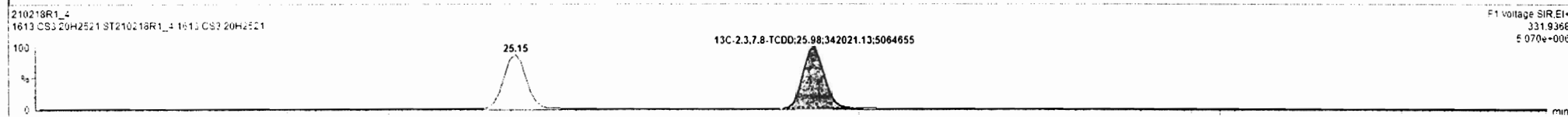
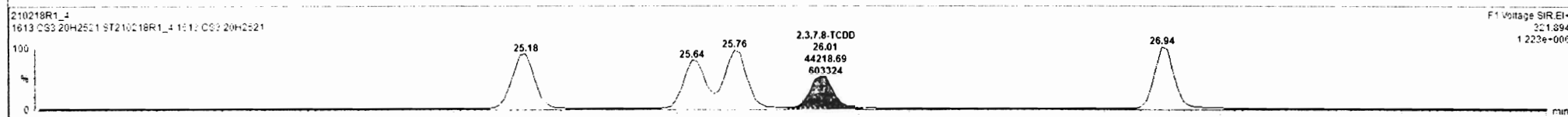
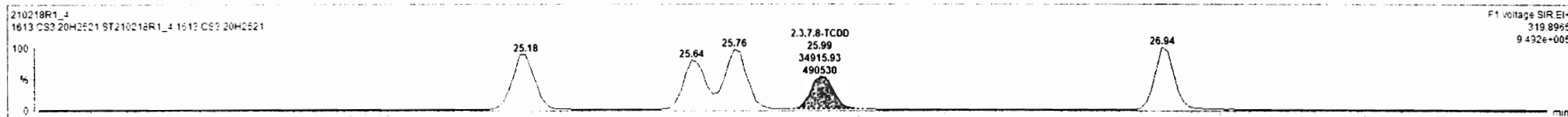


210218R1_4



210218R1_4 - ST210218R1_4 1613 CS3 20H2521 - 1613 CS3 20H2521

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	7.91e4	7.74e5	0.77	0.79	NO	1.0067	25.01	25.99	NO	1.001	1.001	10.1	101	NO
2	1,2,3,7,8-PeCDD	2.37e5	5.52e5	0.63	0.62	NO	0.9952	26.91	26.90	NO	1.001	1.000	51.5	102	NO
3	1,2,3,4,7,8-HxCDD	2.18e5	3.91e5	1.24	1.25	NO	1.0576	34.20	34.20	NO	1.001	1.001	52.2	104	NO
4	1,2,3,6,7,8-HxCDD	2.22e5	4.43e5	1.24	1.27	NO	0.9404	34.31	34.31	NO	1.001	1.001	52.7	105	NO
5	1,2,3,7,8,9-HxCDD	2.04e5	4.11e5	1.24	1.27	NO	0.9572	34.57	34.58	NO	1.000	1.001	51.5	104	NO
6	1,2,3,4,6,7,8-HpCDD	1.35e5	2.79e5	1.04	1.04	NO	0.9601	35.05	35.05	NO	1.000	1.000	50.5	101	NO
7	OCDD	2.32e5	5.07e5	0.65	0.90	NO	0.9117	40.94	40.95	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	1.00e5	1.23e5	0.77	0.76	NO	0.8025	25.24	25.25	NO	1.000	1.001	10.1	101	NO
9	1,2,3,7,8-PeCDF	4.30e5	9.38e5	1.55	1.56	NO	0.9645	29.55	29.60	NO	1.000	1.000	51.6	102	NO
10	1,2,3,4,7,8-PeCDF	4.77e5	8.05e5	1.55	1.56	N/D	1.1252	30.59	30.65	NO	1.001	1.000	52.2	104	NO
11	1,2,3,4,7,8-HxCDF	2.71e5	5.43e5	1.24	1.21	NO	0.9556	33.31	33.31	NO	1.000	1.000	52.8	105	NO
12	1,2,3,6,7,8-HxCDF	2.99e5	5.25e5	1.24	1.22	NO	0.9603	33.44	33.45	NO	1.001	1.001	52.4	105	NO
13	1,2,3,4,6,7,8-HpCDF	2.79e5	5.54e5	1.24	1.24	NO	0.9570	34.10	34.08	NO	1.001	1.000	52.5	105	NO
14	1,2,3,7,8,9-HxCDF	2.24e5	4.63e5	1.24	1.21	NO	0.9273	35.05	35.05	NO	1.000	1.000	52.2	104	NO
15	1,2,3,4,6,7,8-HpCDF	1.31e5	2.72e5	1.04	1.00	NO	0.9555	35.57	35.57	NO	1.000	1.000	51.4	102	NO
16	1,2,3,4,7,8,9-HxCDF	1.55e5	2.66e5	1.04	1.00	NO	1.0957	38.73	38.73	NO	1.000	1.000	53.2	105	NO
17	OCDF	2.83e5	6.51e5	0.89	0.89	NO	0.7746	41.22	41.22	NO	1.000	1.000	105	105	NO



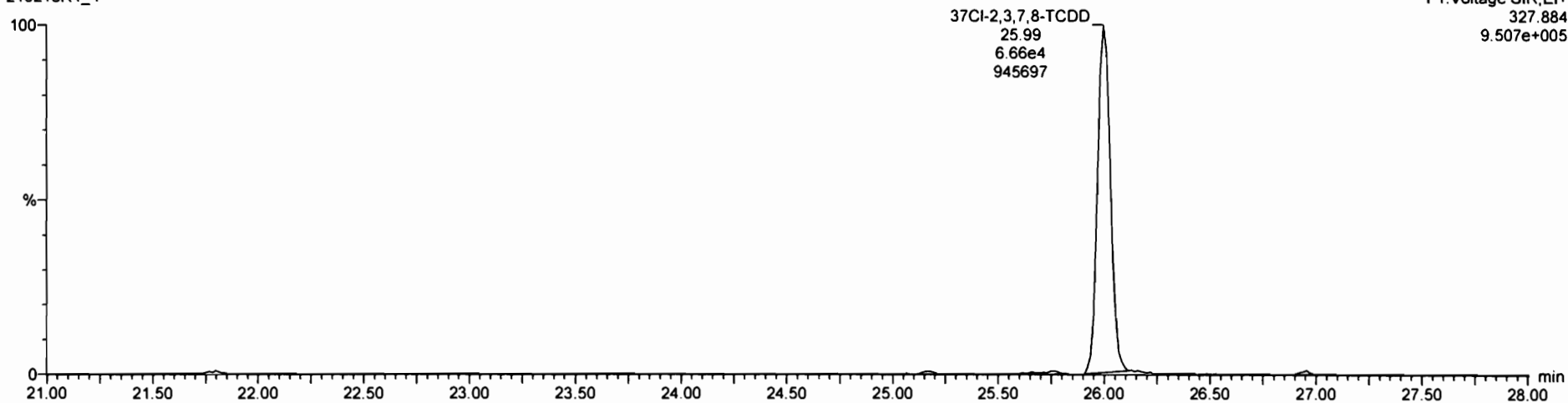
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Name: 210218R1_4, Date: 18-Feb-2021, Time: 11:35:07, ID: ST210218R1_4 1613 CS3 20H2521, Description: 1613 CS3 20H2521

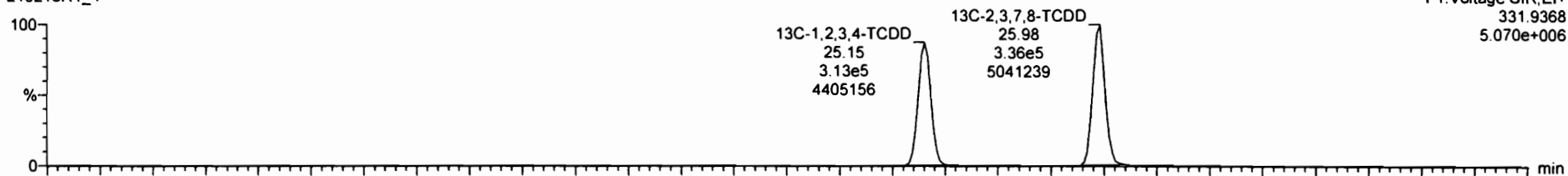
37Cl-2,3,7,8-TCDD

210218R1_4

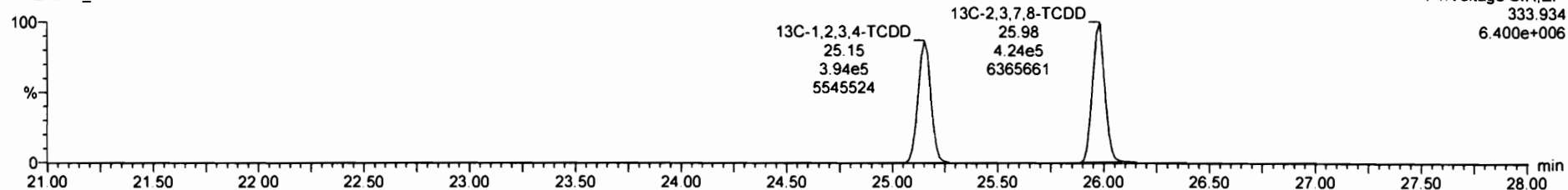


13C-1,2,3,4-TCDD

210218R1_4



210218R1_4



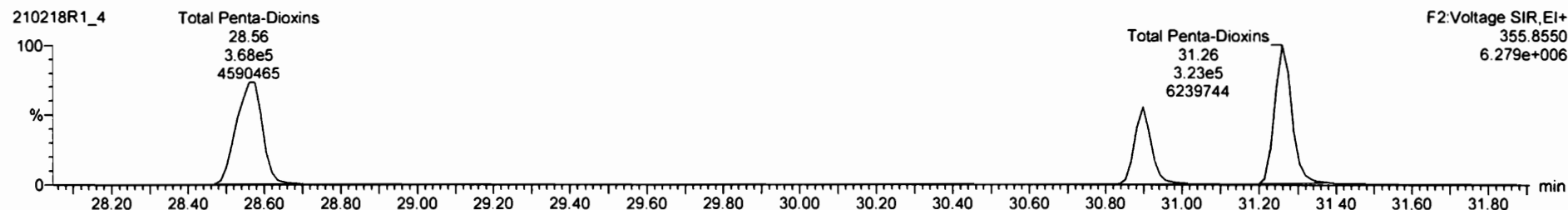
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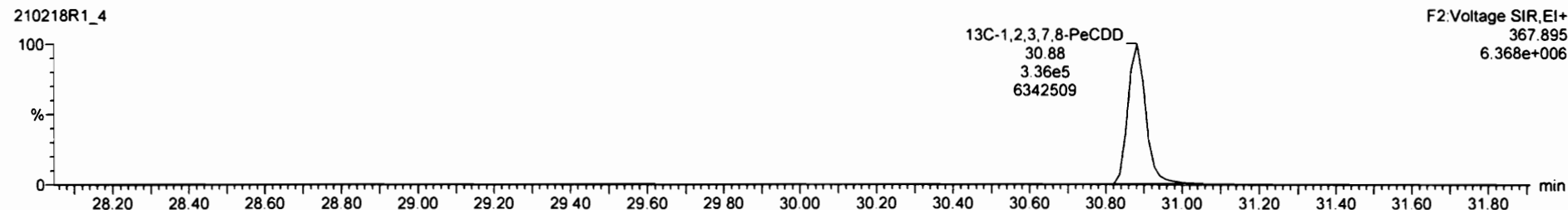
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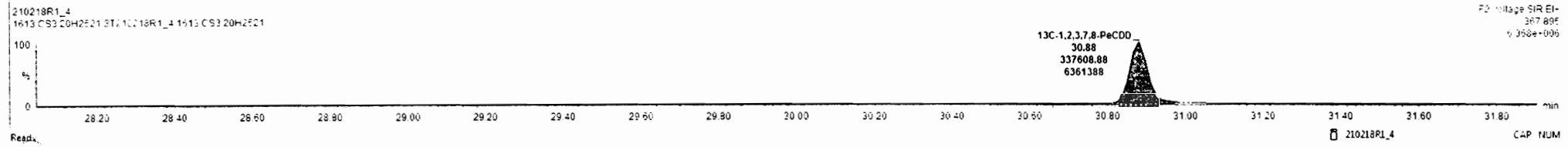
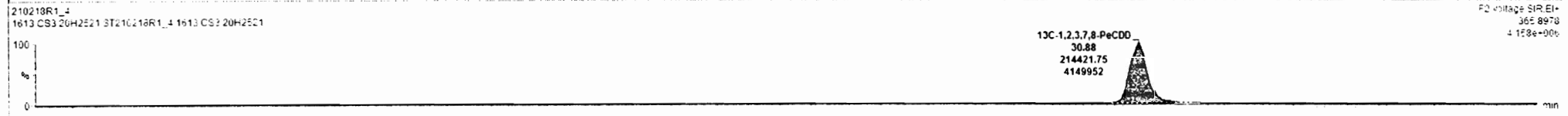
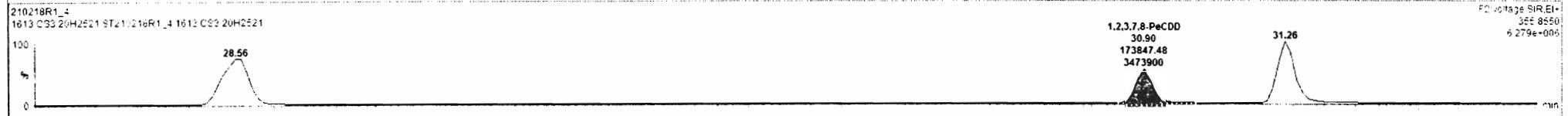
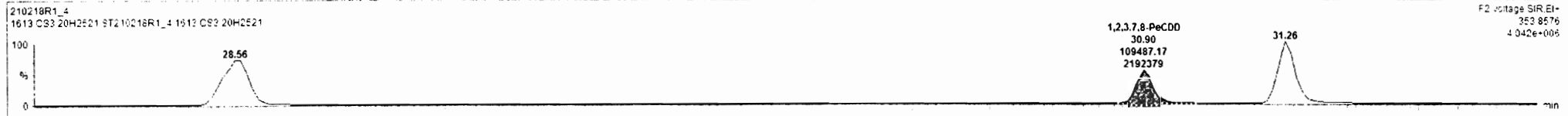
1,2,3,7,8-PeCDD



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



#	Name	Resp	IS Resp	Pred RA	RA	nY	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDD	7.91e4	7.74e5	0.77	0.79	NO	1.0087	29.91	29.99	NO	1.001	1.001	10.1	101	NO
2	1,2,3,7,8-PeCDD	2.83e5	5.52e5	0.63	0.63	NO	0.9952	30.91	30.90	NO	1.001	1.000	51.6	103	NO
3	1,2,3,4,7,8-HxCDD	2.16e5	3.91e5	1.24	1.25	NO	1.0576	34.20	34.20	NO	1.001	1.001	52.2	104	NO
4	1,2,3,6,7,8-HxCDD	2.22e5	4.43e5	1.24	1.27	NO	0.9404	34.21	34.21	NO	1.001	1.001	52.2	105	NO
5	1,2,3,7,8,9-HxCDD	2.04e5	4.11e5	1.24	1.27	NO	0.9572	34.57	34.58	NO	1.000	1.001	51.9	104	NO
6	1,2,3,4,6,7,8-HpCDD	1.35e5	2.79e5	1.04	1.04	NO	0.9601	38.05	38.05	NO	1.000	1.000	50.5	101	NO
7	OCDD	2.32e5	5.01e5	0.89	0.90	NO	0.9117	40.94	40.95	NO	1.000	1.000	102	100	NO
8	1,2,3,6,7-CDF	1.00e5	1.23e5	0.77	0.76	NO	0.8039	25.24	25.25	NO	1.000	1.001	10.1	101	NO
9	1,2,3,7,8-PeCDF	4.80e5	9.25e5	1.55	1.55	NO	0.9945	29.55	29.60	NO	1.000	1.000	51.6	103	NO
10	1,2,3,4,7,8-HxCDF	4.77e5	8.05e5	1.55	1.56	NO	1.1352	30.55	30.59	NO	1.001	1.000	52.2	104	NO
11	1,2,3,4,7,8-HxCDF	2.72e5	5.43e5	1.24	1.21	NO	0.9556	32.31	32.31	NO	1.000	1.000	52.2	105	NO
12	1,2,3,6,7,8-HxCDF	2.99e5	6.25e5	1.24	1.22	NO	0.9002	32.44	33.45	NO	1.001	1.001	52.4	105	NO
13	1,2,3,4,6,7,8-HpCDF	2.79e5	5.54e5	1.24	1.24	NO	0.9570	34.10	34.08	NO	1.001	1.000	52.5	105	NO
14	1,2,3,7,8,9-HxCDF	2.24e5	4.62e5	1.24	1.21	NO	0.9273	35.05	35.05	NO	1.000	1.000	52.2	104	NO
15	1,2,3,4,6,7,8-HpCDF	1.92e5	3.72e5	1.04	1.00	NO	0.9565	36.57	36.57	NO	1.000	1.000	51.4	103	NO
16	1,2,3,4,7,8-HpCDF	1.55e5	2.85e5	1.04	1.00	NO	1.0957	38.73	38.73	NO	1.000	1.000	53.2	106	NO
17	OCDF	2.82e5	6.51e5	0.89	0.89	NO	0.7746	41.22	41.22	NO	1.000	1.000	106	106	NO



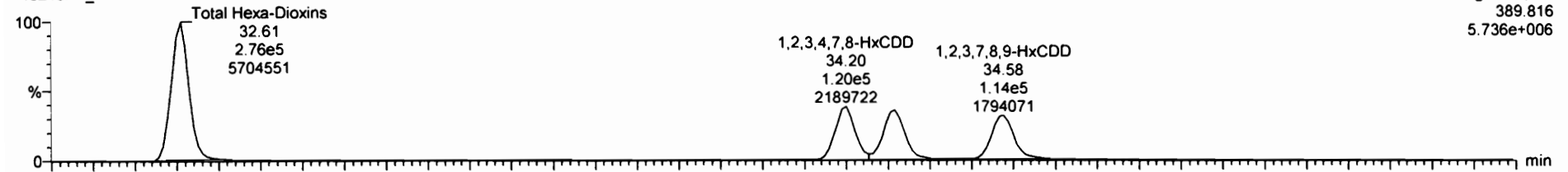
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Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time
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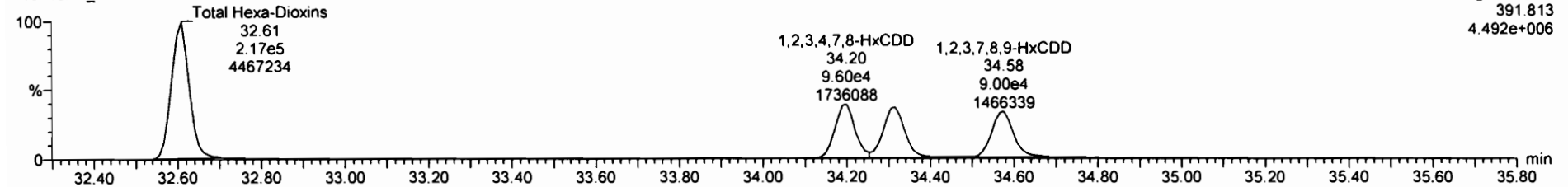
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1,2,3,4,7,8-HxCDD

210218R1_4

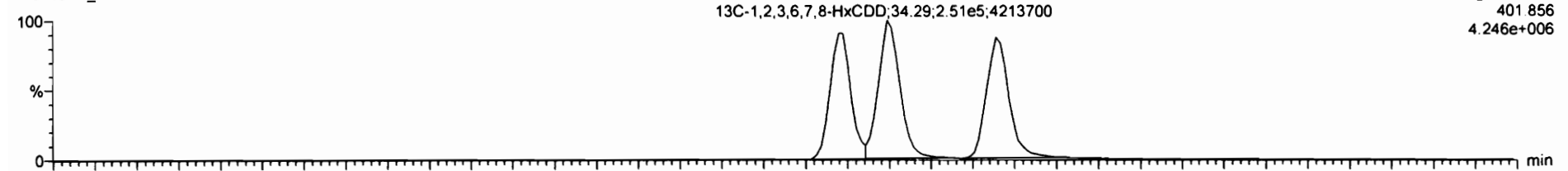


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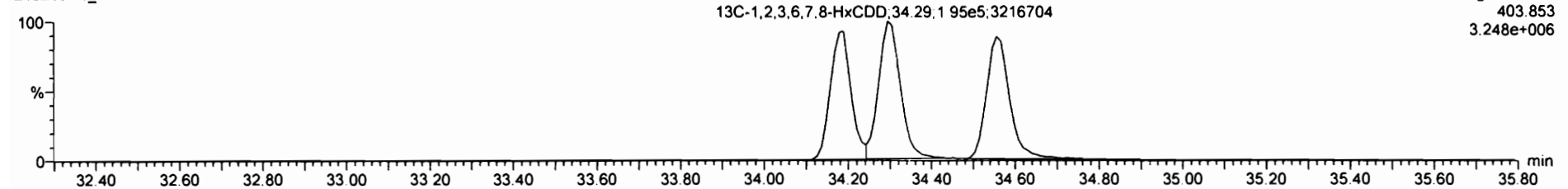


13C-1,2,3,4,7,8-HxCDD

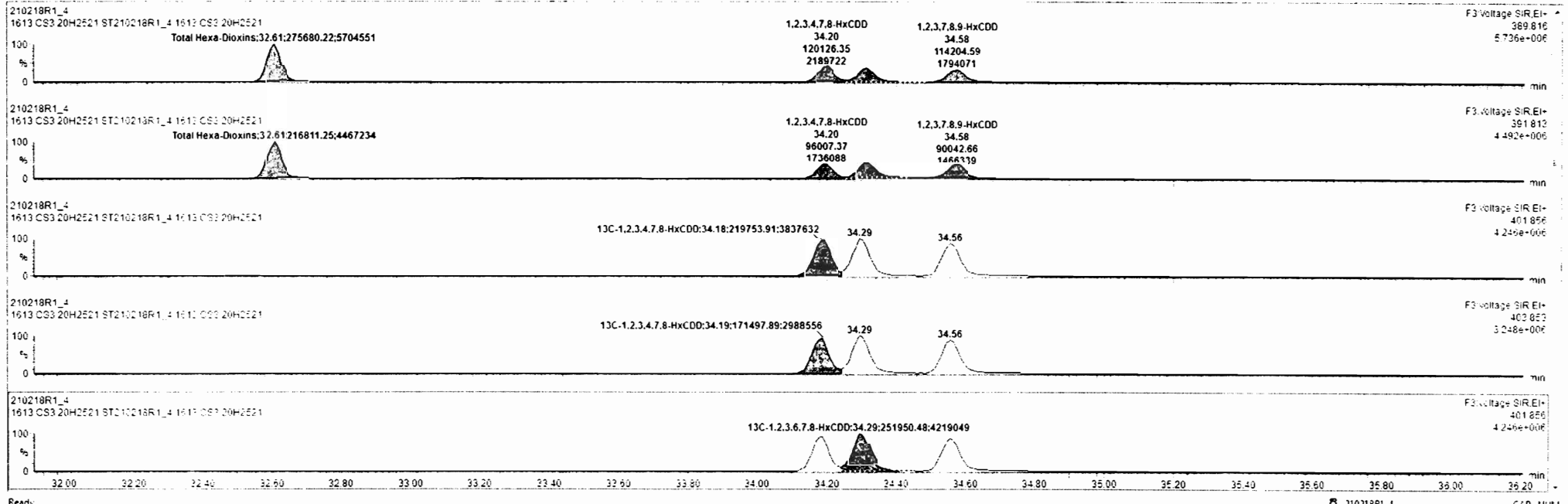
210218R1_4



210218R1_4



#	Name	Resp	IS Resp	Pred RA	RA	nY	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
30	13C-1,2,3,4,6,7,8-HxCDF	5.54e5	5.91e5	0.51	0.50	NO	0.9571	34.09	34.07	NO	1.011	1.010	95.0	95.0	NO
31	12C-1,2,3,7,8,9-HxCDF	4.62e5	5.91e5	0.51	0.51	NO	0.8209	35.07	35.04	NO	1.040	1.035	95.5	95.5	NO
32	13C-1,2,3,4,6,7,8-HpCDF	3.72e5	5.91e5	0.44	0.43	NO	0.6626	36.56	36.56	NO	1.084	1.084	95.1	95.1	NO
33	13C-1,2,3,4,7,8,9-HpCDF	2.66e5	5.91e5	0.44	0.42	NO	0.4752	38.89	38.72	NO	1.153	1.146	94.8	94.8	NO
34	13C-OCDF	6.91e5	5.91e5	0.39	0.39	NO	0.6320	41.65	41.21	NO	1.235	1.222	105	92.5	NO
35	37Cl-2,3,7,8-TCDD	6.75e4	7.14e5				1.0357	25.96	25.99	NO	1.033	1.033	90.6	90.9	NO
36	13C-1,2,3,4-TCDD	7.14e5	7.14e5	0.77	0.80	NO	1.0000	25.21	25.15	NO	1.000	1.000	100	100	NO
37	12C-1,2,3,4-TCDF	1.32e5	1.32e5	0.77	0.78	NO	1.0000	23.55	23.50	NO	1.000	1.000	100	100	NO
38	13C-1,2,3,4,6,9-HxCDF	5.91e5	5.91e5	0.51	0.51	NO	1.0000	33.85	33.73	NO	1.000	1.000	100	100	NO
39	Total Tetra-Dioxins		7.74e5				1.0067	24.62		NO	0.000		95.4		NO
40	Total Penta-Dioxins		5.62e5				0.9962	29.96		NO	0.000		257		NO
41	Total Hexa-Dioxins		0.00e0				0.9404	33.63		NO	0.000		284		NO
42	Total Hepta-Dioxins		2.75e5				0.9601	37.64		NO	0.000		163		NO
43	Total Tetra-Furans		1.22e6				0.8038	23.61		NO	0.000		67.2		NO
44	Total Penta-Furans		0.00e0				0.9945	26.93		NO	0.000		90.4		NO
45	Total Hexa-Furans		0.00e0				0.9945	29.27		NO	0.000		188		NO
46	Total Hepta-Furans		0.00e0				0.5570	33.66		NO	0.000		315		NO



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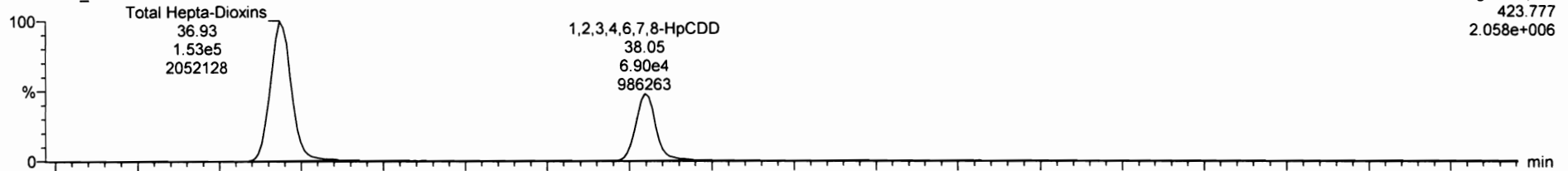
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Name: 210218R1_4, Date: 18-Feb-2021, Time: 11:35:07, ID: ST210218R1_4 1613 CS3 20H2521, Description: 1613 CS3 20H2521

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

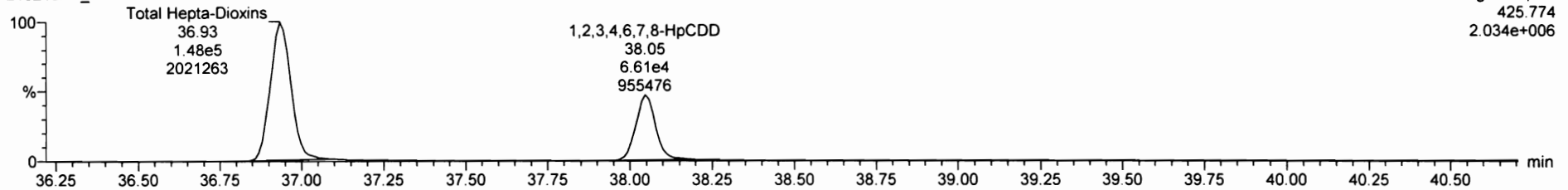
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F4: Voltage SIR, EI+
423.777
2.058e+006



210218R1_4

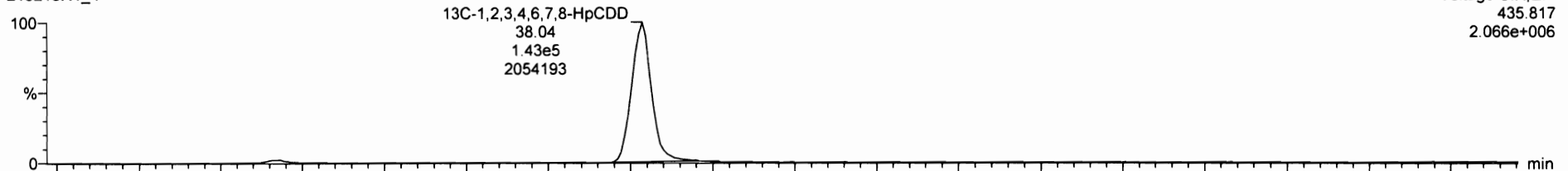
F4: Voltage SIR, EI+
425.774
2.034e+006



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

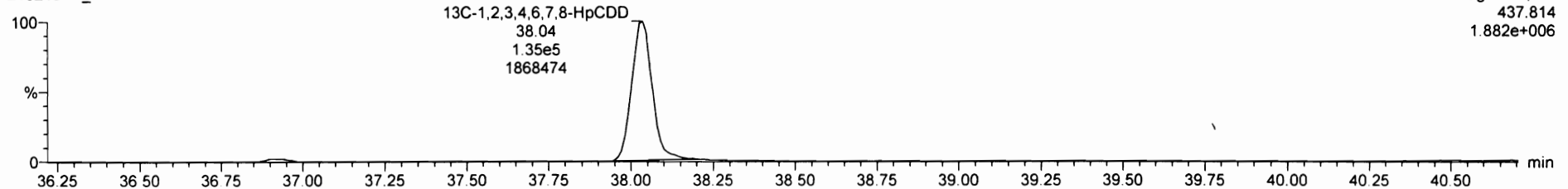
210218R1_4

F4: Voltage SIR, EI+
435.817
2.066e+006



210218R1_4

F4: Voltage SIR, EI+
437.814
1.882e+006



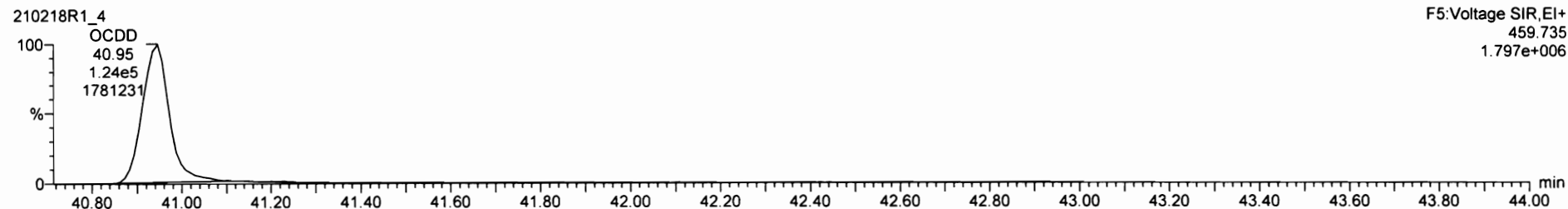
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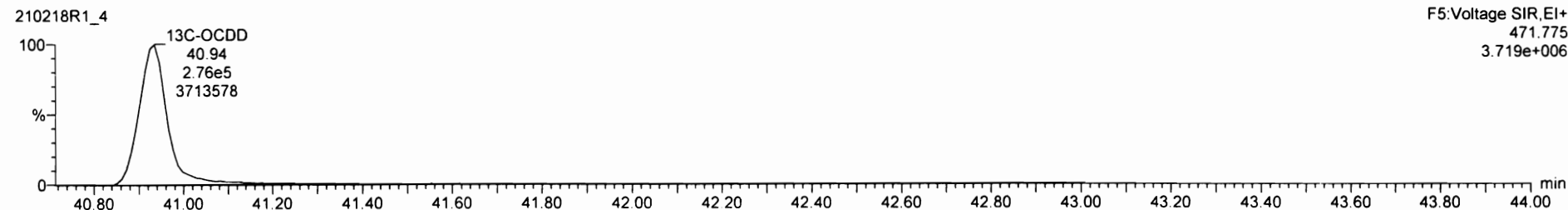
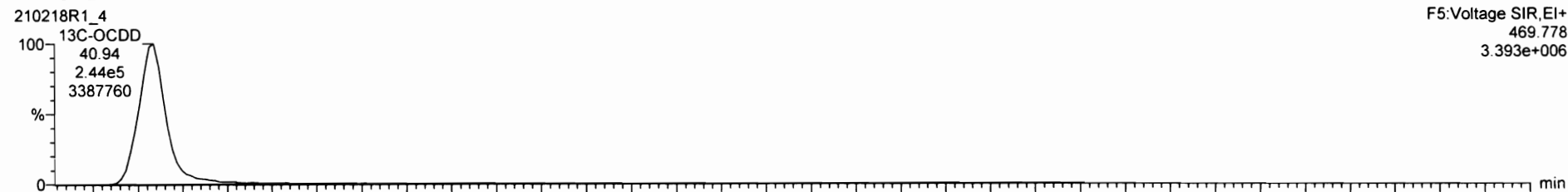
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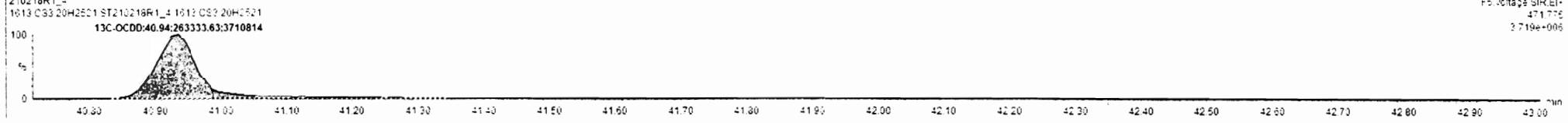
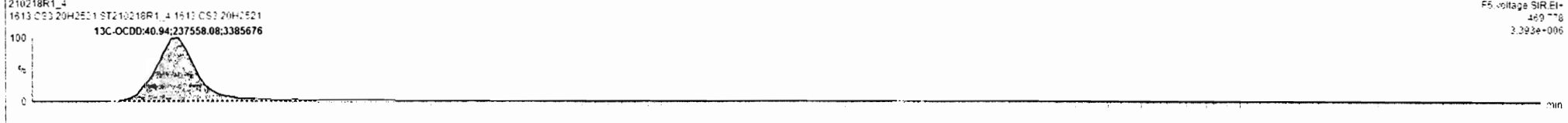
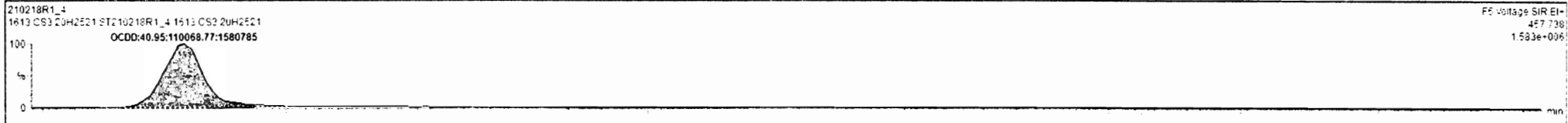
OCDD



13C-OCDD



#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD cut
7	OCDD	2.32e5	5.01e5	0.89	0.90	NO	0.9117	40.94	40.95	NO	1.000	1.000	102	102	NO
8	2,3,7,8-TCDF	1.00e5	1.23e5	0.77	0.76	NO	0.8029	25.24	25.25	NO	1.000	1.001	101	101	NO
9	1,2,3,7,8-PeCDF	4.80e5	9.36e5	1.55	1.56	NO	0.9945	29.55	29.60	NO	1.000	1.000	51.6	103	NO
10	1,2,3,4,7,8-PeCDF	4.77e5	8.05e5	1.55	1.56	NO	1.1352	30.69	30.65	NO	1.001	1.000	52.2	104	NO
11	1,2,3,4,7,8-HxCDF	2.73e5	5.42e5	1.24	1.21	NO	0.9556	33.31	33.31	NO	1.000	1.000	52.6	105	NO
12	1,2,3,6,7,8-HxCDF	2.96e5	6.35e5	1.24	1.22	NO	0.9003	33.44	33.45	NO	1.001	1.001	52.4	105	NO
13	1,2,3,6,7,8-HxCDF	2.79e5	5.54e5	1.24	1.24	NO	0.9570	34.10	34.08	NO	1.001	1.000	52.5	105	NO
14	1,2,3,7,8,9-HxCDF	2.24e5	4.63e5	1.24	1.21	NO	0.9273	35.35	35.35	NO	1.000	1.000	52.2	104	NO
15	1,2,3,4,6,7,8-HpCDF	1.81e5	3.72e5	1.04	1.00	NO	0.9565	36.57	36.57	NO	1.000	1.000	51.4	103	NO
16	1,2,3,4,7,8,9-HpCDF	1.55e5	2.66e5	1.04	1.00	NO	1.0957	38.73	38.73	NO	1.000	1.000	53.2	106	NO
17	OCDF	2.83e5	6.51e5	0.85	0.89	NO	0.7746	41.22	41.22	NO	1.000	1.000	106	106	NO
18	13C-2,3,7,8-TCDD	7.74e5	7.14e5	0.77	0.79	NO	1.1507	25.58	25.58	NO	1.033	1.033	94.2	94.2	NO
19	13C-1,2,3,7,8-PeCDD	5.52e5	7.14e5	0.67	0.63	NO	0.8703	30.30	30.68	NO	1.228	1.228	93.1	93.1	NO
20	13C-1,2,3,4,7,8-HxCDD	3.91e5	5.91e5	1.24	1.28	NO	0.7032	34.20	34.15	NO	1.014	1.013	94.1	94.1	NO
21	13C-1,2,3,6,7,8-HxCDD	4.48e5	5.91e5	1.24	1.28	NO	0.8094	34.31	34.29	NO	1.017	1.017	92.8	93.8	NO
22	13C-1,2,3,7,8,9-HxCDD	4.11e5	5.91e5	1.24	1.25	NO	0.7325	34.58	34.56	NO	1.025	1.025	94.9	94.9	NO
23	13C-1,2,3,4,6,7,8-HpCDD	2.79e5	5.91e5	1.04	1.06	NO	0.4965	38.30	38.04	NO	1.123	1.128	94.9	94.9	NO



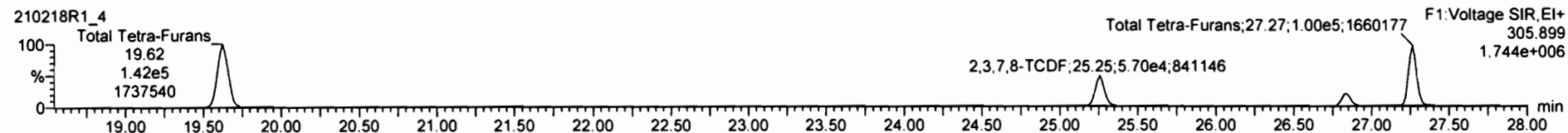
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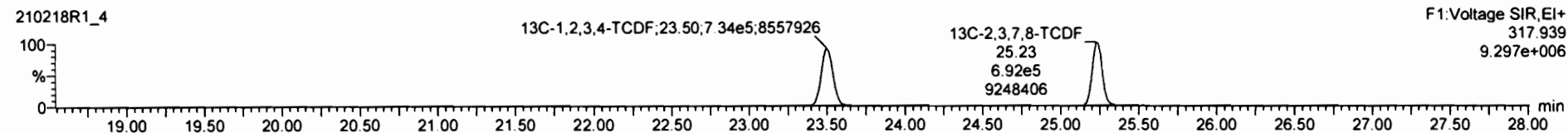
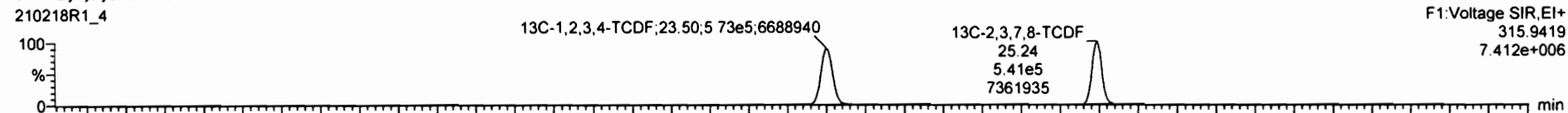
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Name: 210218R1_4, Date: 18-Feb-2021, Time: 11:35:07, ID: ST210218R1_4 1613 CS3 20H2521, Description: 1613 CS3 20H2521

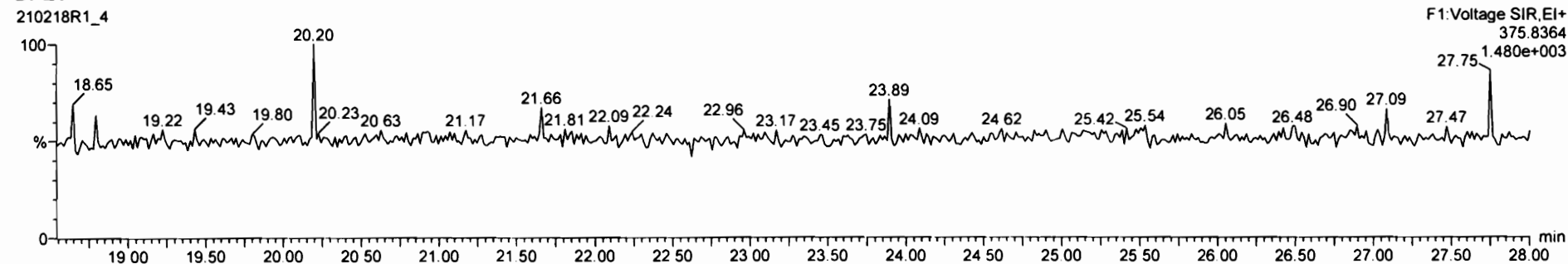
2,3,7,8-TCDF



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



DPE1



Dataset: Untitled

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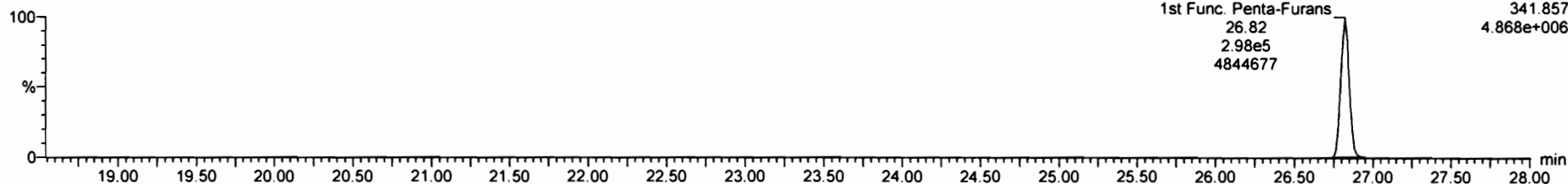
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1st Func. Penta-Furans

210218R1_4

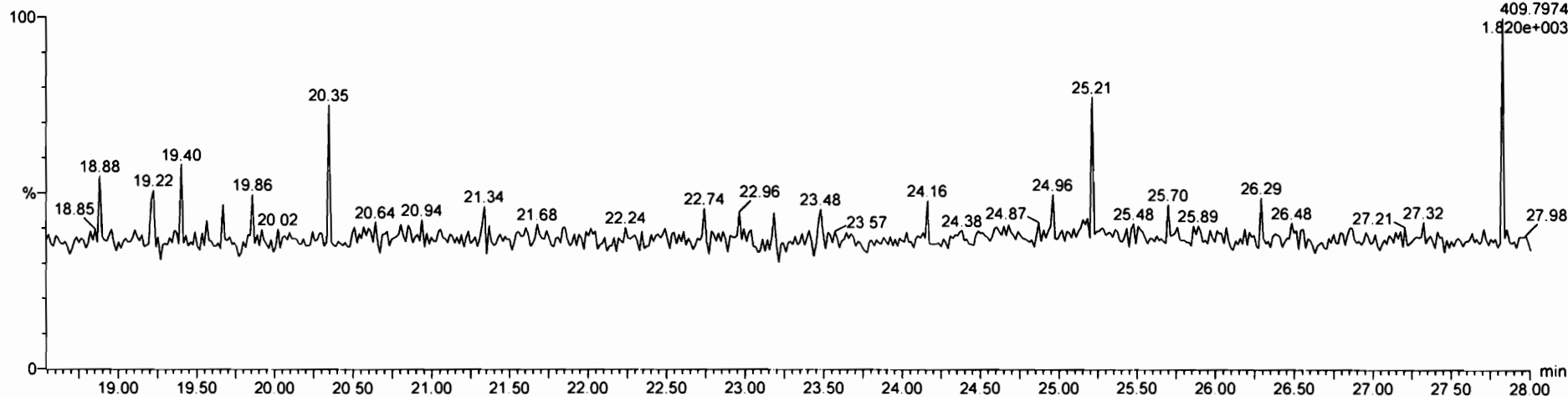


210218R1_4



DPE6

210218R1_4



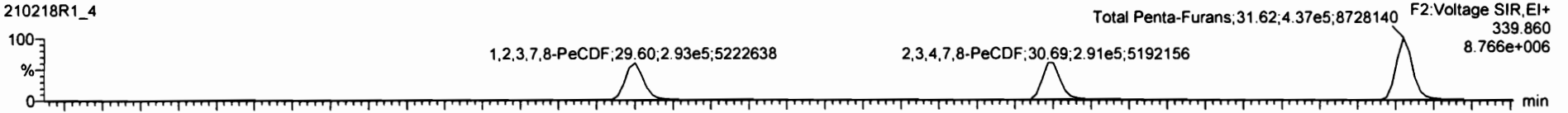
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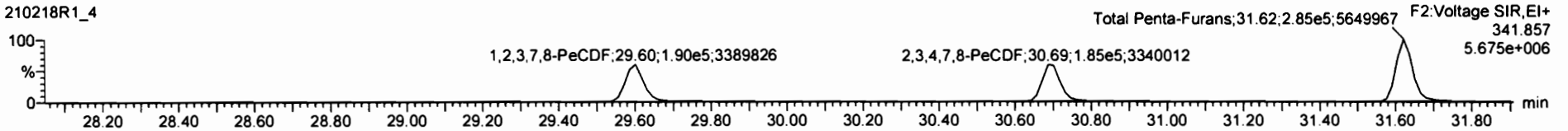
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1,2,3,7,8-PeCDF

210218R1_4

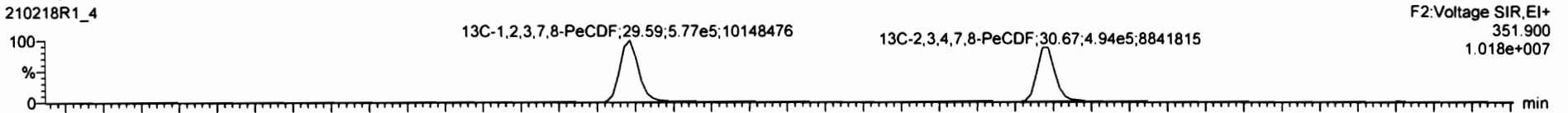


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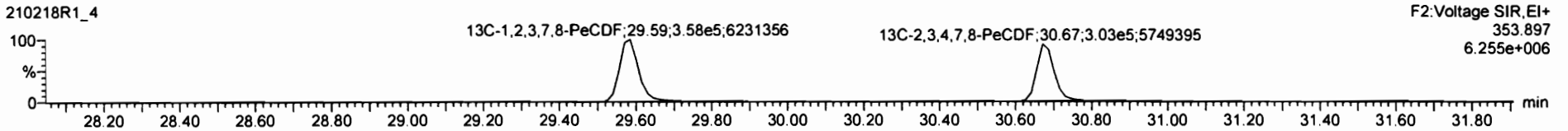


13C-1,2,3,7,8-PeCDF

210218R1_4

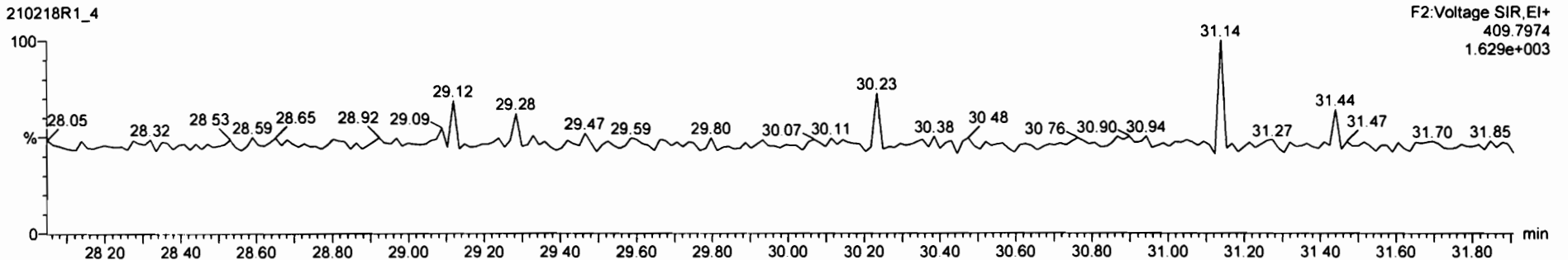


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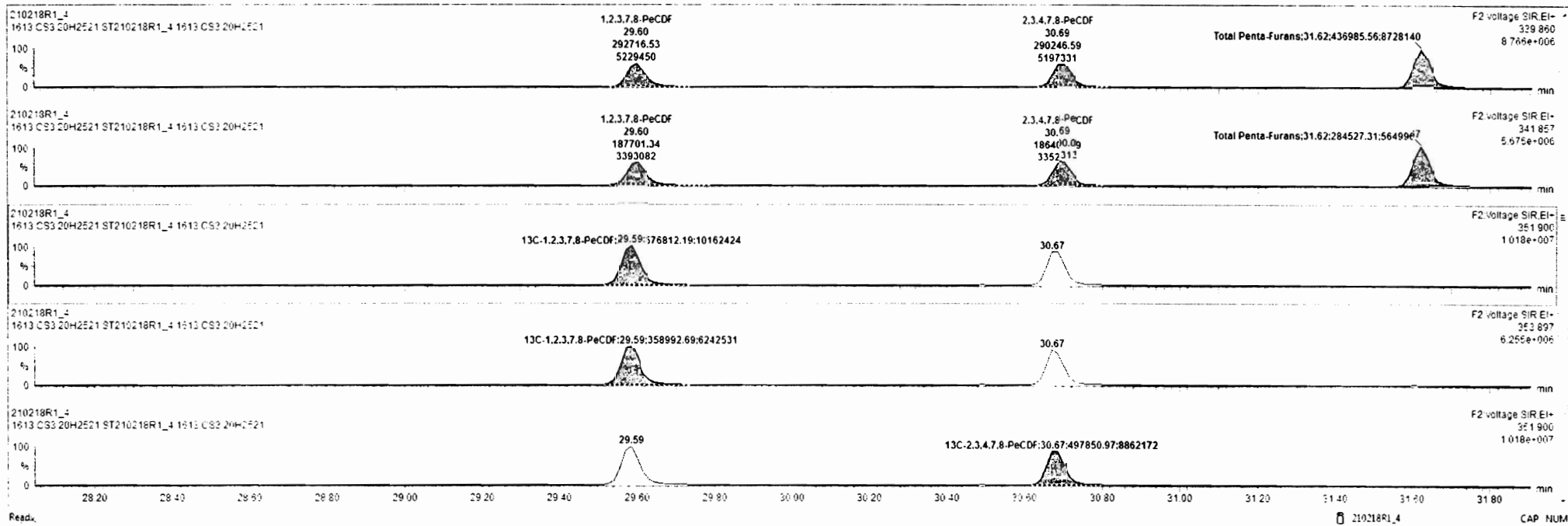


DPE2

210218R1_4



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
32	12C-1,2,3,4,6,7,8-HxCDF	2.72e5	5.91e5	0.44	0.42	NO	0.6626	36.56	36.56	NO	1.084	1.084	95.1	95.1	NO
33	13C-1,2,3,4,7,8,9-HxCDF	2.66e5	5.91e5	0.44	0.42	NO	0.4762	38.99	38.72	NO	1.153	1.148	94.2	94.8	NO
34	13C-OCDF	6.91e5	5.91e5	0.99	0.89	NO	0.6320	41.65	41.21	NO	1.235	1.222	185	62.5	NO
35	37Cl2,3,7,8-TCDD	6.75e4	7.14e5				1.0397	25.96	25.99	NO	1.033	1.033	9.09	90.9	NO
36	12C-1,2,3,4-TCDD	7.14e5	7.14e5	0.77	0.80	NO	1.0000	25.21	25.15	NO	1.000	1.000	100	100	NO
37	13C-1,2,3,4-TCDF	1.32e6	1.32e6	0.77	0.78	NO	1.0000	23.55	23.60	NO	1.000	1.000	100	100	NO
38	12C-1,2,3,4,6,9-HxCDF	5.91e5	5.91e5	0.51	0.51	NO	1.0000	33.85	33.73	NO	1.000	1.000	100	100	NO
39	Total Tetra-Dioxins		7.74e5				1.0027	24.62		NO	0.000		96.4		NO
40	Total Penta-Dioxins		5.52e5				0.9562	29.96		NO	0.000		257		NO
41	Total Hexa-Dioxins		0.00e0				0.9404	33.63		NO	0.000		264		NO
42	Total Hepta-Dioxins		2.75e5				0.9601	37.64		NO	0.000		123		NO
43	Total Tetra-Furans		1.23e5				0.8039	23.51		NO	0.000		57.2		NO
44	1st Func. Penta-Furans		0.00e0				0.9545	26.92		NO	0.000		96.4		NO
45	Total Penta-Furans		0.00e0				0.9945	29.27		NO	0.000		188		NO
46	Total Hexa-Furans		0.00e0				0.9570	33.56		NO	0.000		215		NO
47	Total Hepta-Furans		0.00e0				0.9565	37.83		NO	0.000		105		NO
48	PK1														

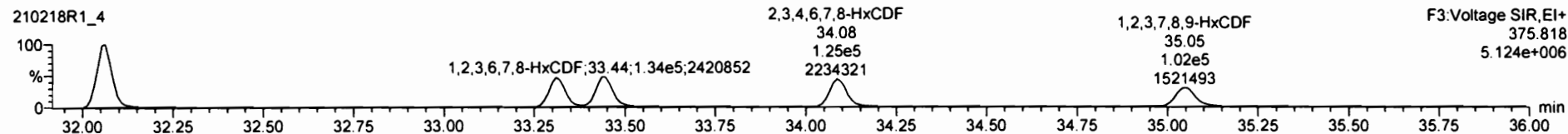
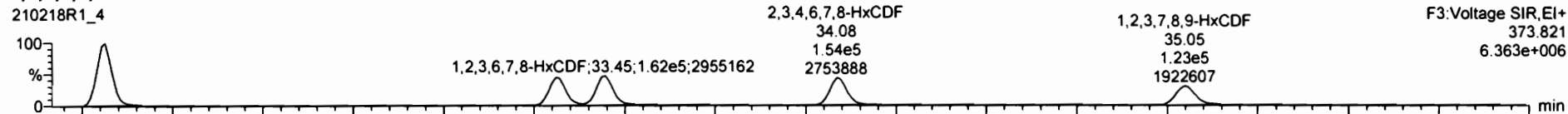


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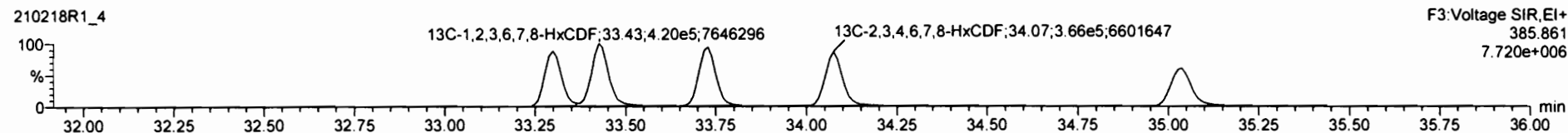
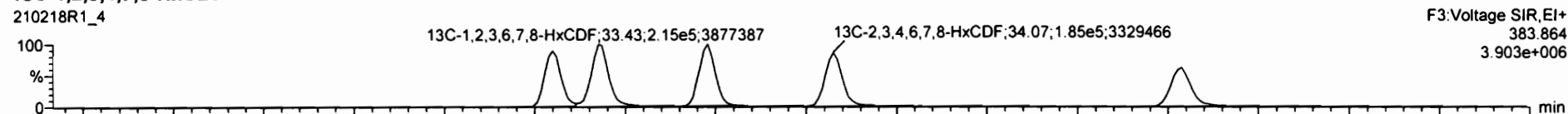
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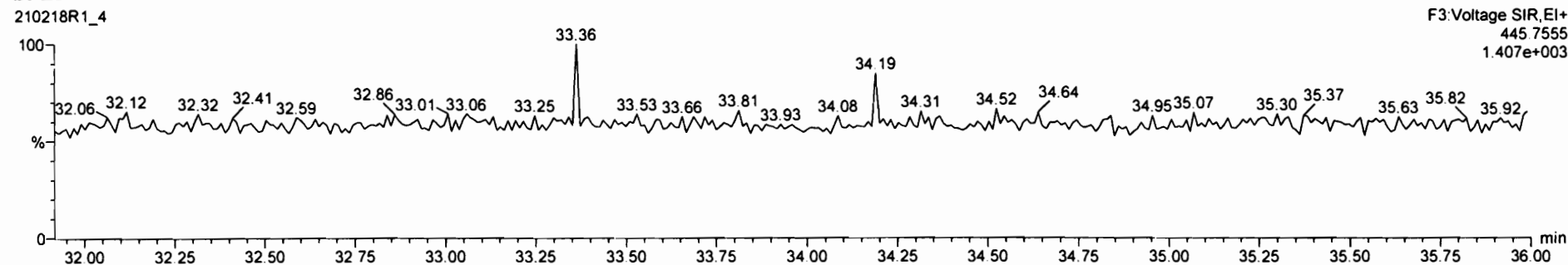
1,2,3,4,7,8-HxCDF



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



DPE3

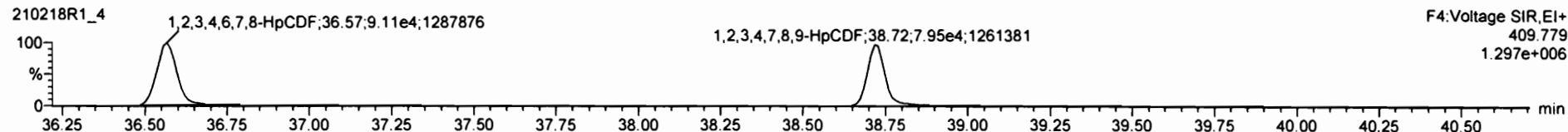
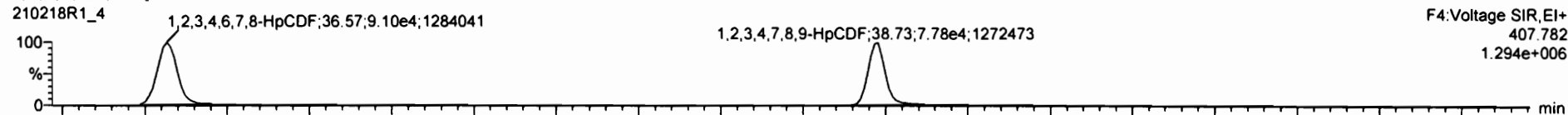


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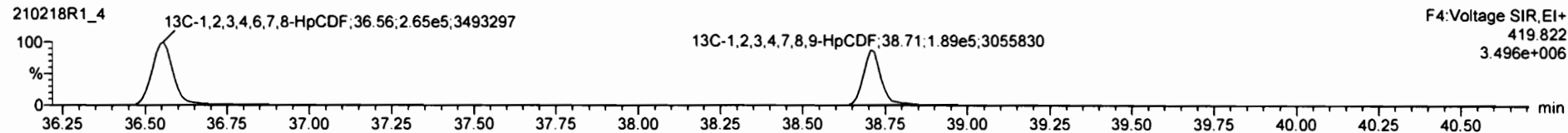
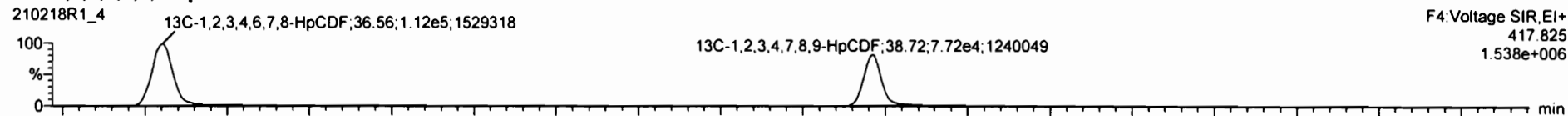
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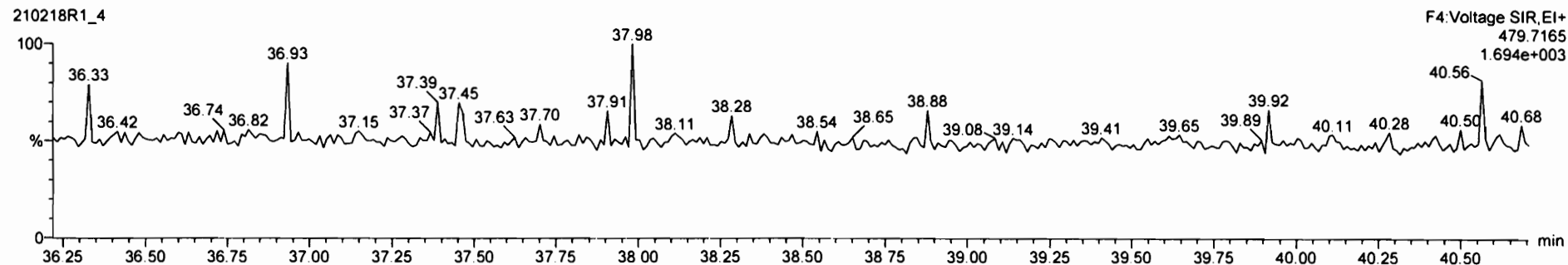
1,2,3,4,6,7,8-HpCDF



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

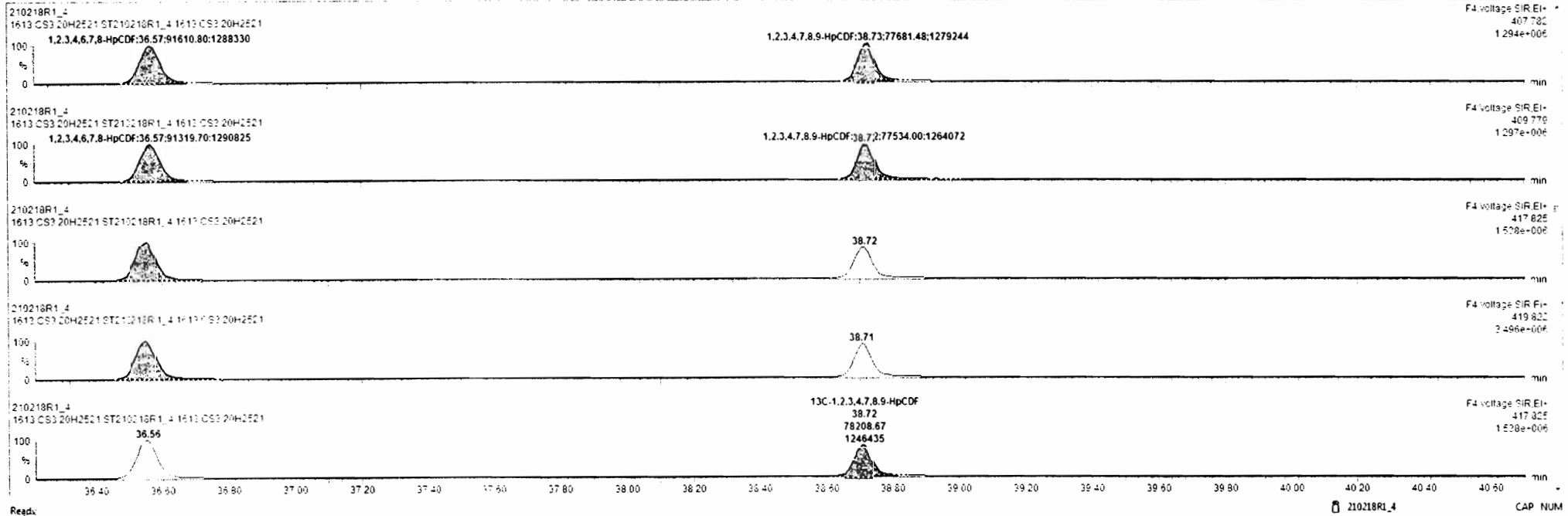


DPE4



Next Compound 210218R1_4 - ST210218R1_4 1613 CS3 20H2521 - 1613 CS3 20H2521

#	#	Name	Resp	IS Resp	Pred RA	RA	dy	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
32	32	13C-1,2,3,4,6,7,8-HpCDF	2.72e5	5.91e5	0.44	0.42	NO	0.6626	36.56	36.56	NO	1.024	1.024	95.1	95.1	NO
33	33	13C-1,2,3,4,7,8,9-HpCDF	2.66e5	5.91e5	0.44	0.42	NO	0.4752	38.55	38.72	NO	1.153	1.142	94.8	94.8	NO
34	34	13C-OCDF	6.91e5	5.91e5	0.89	0.89	NO	0.6320	41.55	41.21	NO	1.235	1.222	185	92.5	NO
35	35	37Cl-2,3,7,8-TCDF	6.75e4	7.14e5				1.0397	25.99	25.99	NO	1.033	1.033	9.09	90.9	NO
36	36	13C-1,2,3,4-TCDF	7.14e5	7.14e5	0.77	0.80	NO	1.0000	25.21	25.15	NO	1.000	1.000	100	100	NO
37	37	13C-1,2,3,4-TCDF	1.32e6	1.32e6	0.77	0.78	NO	1.0000	23.55	23.50	NO	1.000	1.000	100	100	NO
38	38	13C-1,2,3,4,6,8-HxCDF	5.91e5	5.91e5	0.51	0.51	NO	1.0000	33.95	33.73	NO	1.000	1.000	100	100	NO
39	39	Total Tetra-Dioxins		7.74e5				1.0067	24.62		NO	0.000		96.4		NO
40	40	Total Penta-Dioxins		5.92e5				0.9952	29.96		NO	0.000		257		NO
41	41	Total Hexa-Dioxins		0.00e0				0.9404	33.63		NO	0.000		284		NO
42	42	Total Hepta-Dioxins		2.79e5				0.9601	37.64		NO	0.000		163		NO
43	43	Total Tetra-Furans		1.23e6				0.8035	33.91		NO	0.000		57.2		NO
44	44	1st Func. Penta-Furans		0.00e0				0.9545	28.93		NO	0.000		90.4		NO
45	45	Total Penta-Furans		0.00e0				0.9545	29.37		NO	0.000		168		NO
46	46	Total Hexa-Furans		0.00e0				0.9570	33.56		NO	0.000		315		NO
47	47	Total Hepta-Furans		0.00e0				0.9585	37.83		NO	0.000		105		NO
48	48	PFK1														



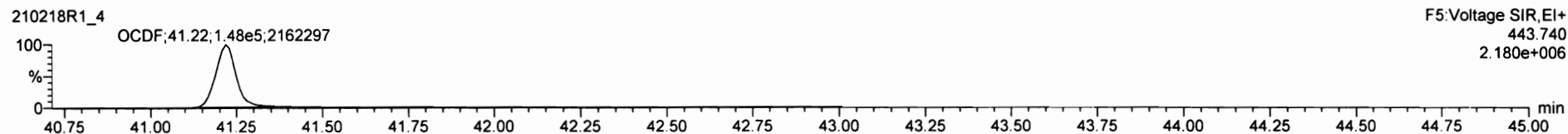
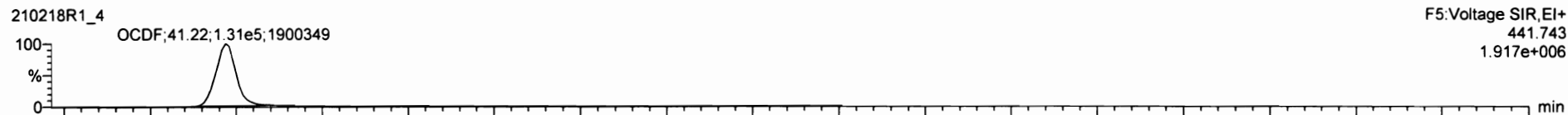
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Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time

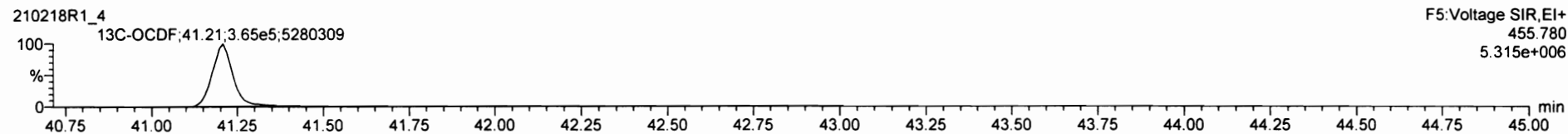
Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_4, Date: 18-Feb-2021, Time: 11:35:07, ID: ST210218R1_4 1613 CS3 20H2521, Description: 1613 CS3 20H2521

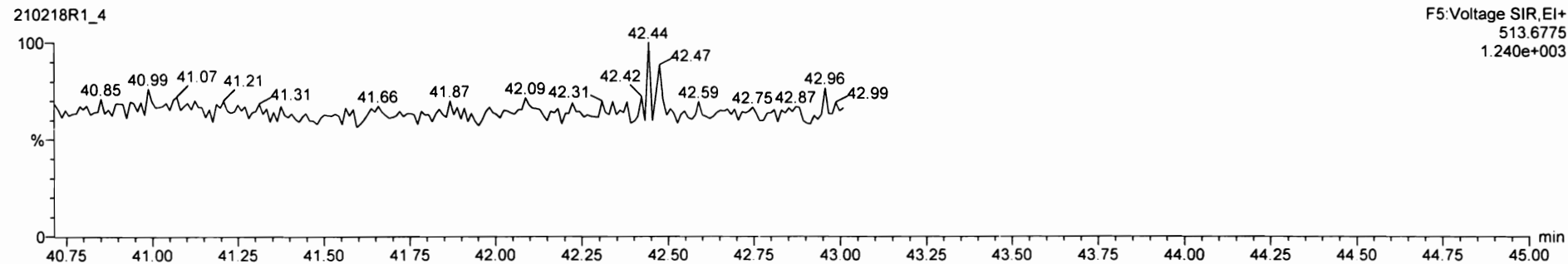
OCDF



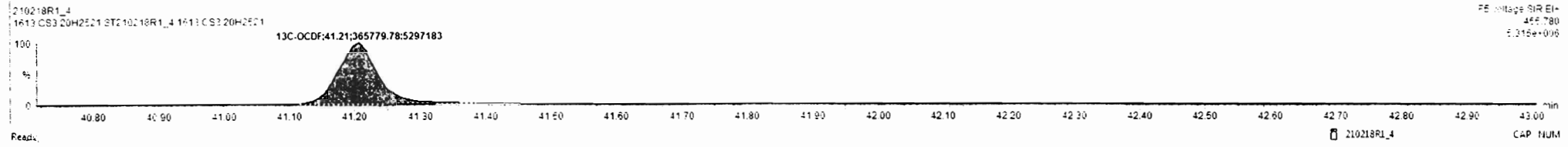
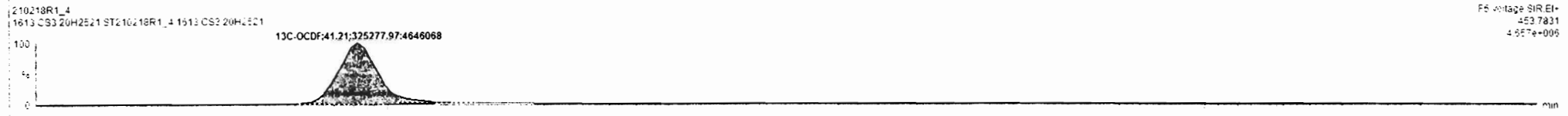
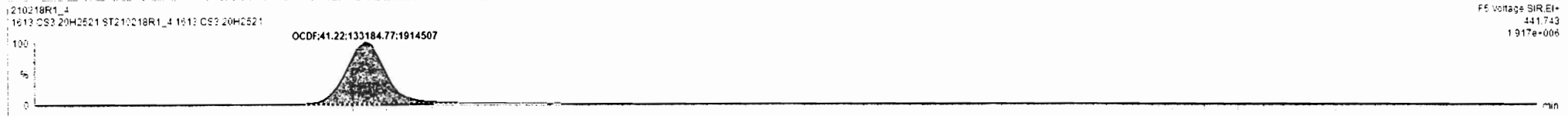
13C-OCDF



DPE5



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
13	13C-1,2,3,4,7,8-HxCDF	2.75e5	5.54e5	1.24	1.24	N/D	0.9570	34.10	34.08	NO	1.001	1.000	52.5	100	N/D
14	13C-1,2,3,7,8-HxCDF	2.24e5	4.63e5	1.24	1.21	N/D	0.9273	35.05	35.05	NO	1.000	1.000	52.2	104	N/D
15	15C-1,2,3,4,7,8-HpCDF	1.83e5	3.72e5	1.04	1.00	N/D	0.9565	36.57	36.57	NO	1.000	1.000	51.4	102	N/D
16	16C-1,2,3,4,7,8,9-HpCDF	1.55e5	2.66e5	1.04	1.00	N/D	1.0957	38.73	38.73	NO	1.000	1.000	52.2	106	N/D
17	OCDF	2.83e5	6.91e5	0.89	0.89	NO	0.7746	41.22	41.22	NO	1.000	1.000	106	106	NO
18	13C-1,2,3,7,8-TCDF	7.74e5	7.14e5	0.77	0.79	N/D	1.1507	25.98	25.98	NO	1.033	1.033	94.2	94.2	N/D
19	15C-1,2,3,7,8-PeCDF	5.62e5	7.14e5	0.63	0.63	N/D	0.8203	30.90	30.88	NO	1.228	1.228	93.1	93.1	N/D
20	17C-1,2,3,4,7,8,9-CaCDF	3.91e5	5.91e5	1.24	1.28	N/D	0.7033	34.20	34.18	NO	1.014	1.013	94.1	94.1	N/D
21	13C-1,2,3,6,7,8-HxCDD	4.48e5	5.91e5	1.24	1.25	N/D	0.8094	34.31	34.29	NO	1.017	1.017	92.8	92.2	N/D
22	13C-1,2,3,7,8-HxCDD	4.11e5	5.91e5	1.24	1.25	N/D	0.7325	34.66	34.56	NO	1.025	1.025	94.9	94.9	N/D
23	13C-1,2,3,4,6,7,8-HpCDD	2.75e5	5.91e5	1.04	1.06	N/D	0.4959	38.20	38.04	NO	1.133	1.128	94.9	94.5	N/D
24	13C-OCDD	5.91e5	5.91e5	0.95	0.90	N/D	0.4602	40.93	40.94	NO	1.214	1.214	183	91.7	N/D
25	13C-1,2,3,7,8-TCDF	1.23e6	1.32e6	0.77	0.78	N/D	0.9773	25.24	25.24	NO	1.003	1.003	96.5	96.5	N/D
26	15C-1,2,3,7,8-PeCDF	9.36e5	1.32e6	1.55	1.61	N/D	0.7594	29.59	29.59	NO	1.178	1.178	92.3	92.3	N/D
27	17C-1,2,3,4,7,8,9-CaCDF	8.05e5	1.32e6	1.55	1.62	N/D	0.6588	30.71	30.67	NO	1.221	1.219	92.8	92.9	N/D
28	13C-1,2,3,4,7,8-HxCDF	5.43e5	5.91e5	0.51	0.50	N/D	0.9501	32.26	32.30	NO	0.987	0.987	96.7	96.7	N/D
29	13C-1,2,3,6,7,8-HxCDF	6.35e5	5.91e5	0.51	0.51	N/D	1.0561	32.42	32.42	NO	0.991	0.991	97.9	97.9	N/D

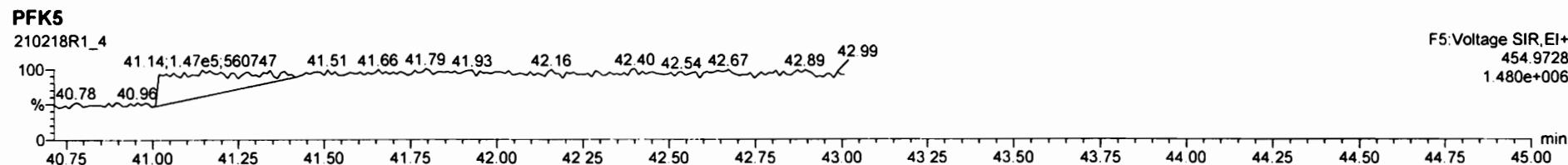
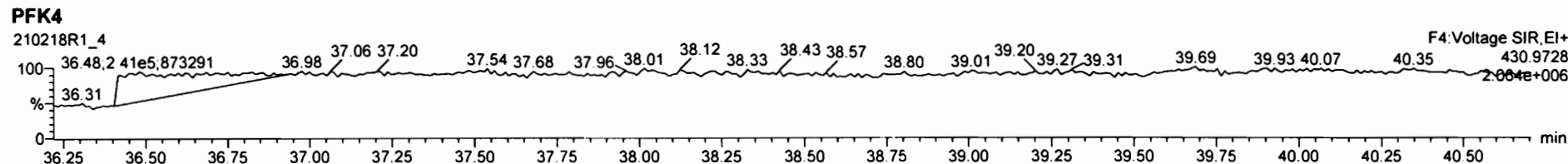
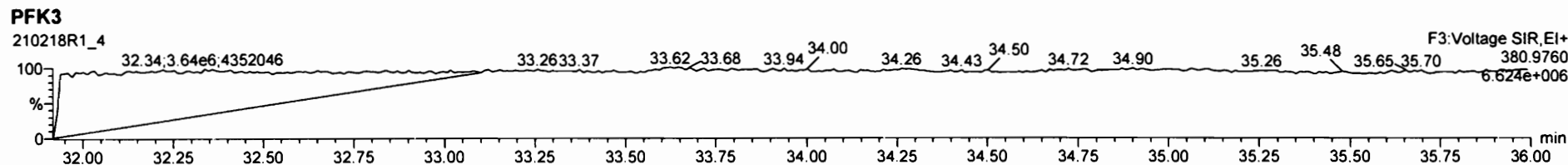
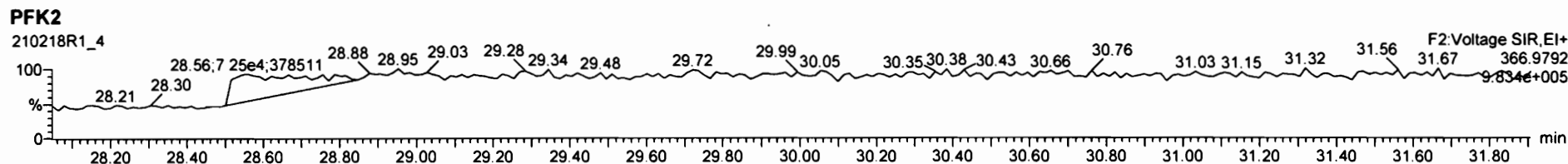
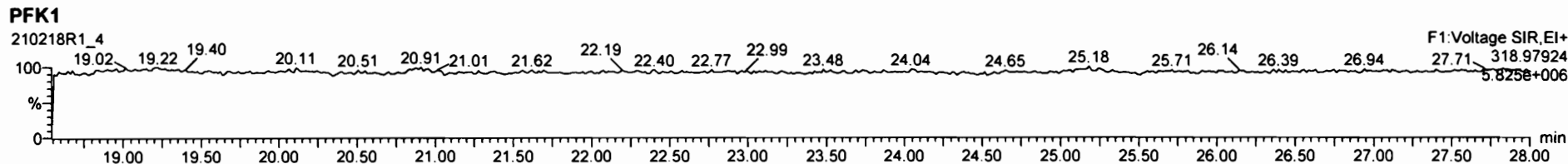


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Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time

Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_4, Date: 18-Feb-2021, Time: 11:35:07, ID: ST210218R1_4 1613 CS3 20H2521, Description: 1613 CS3 20H2521



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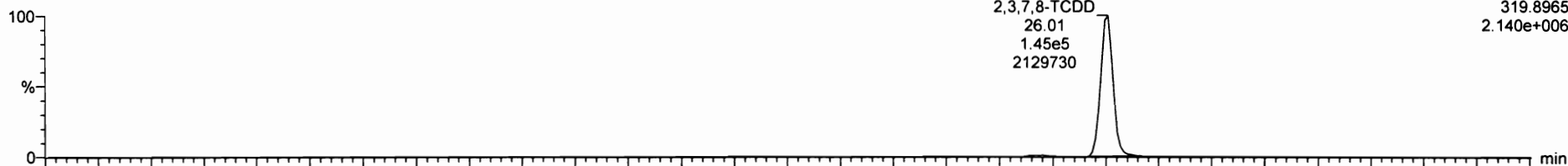
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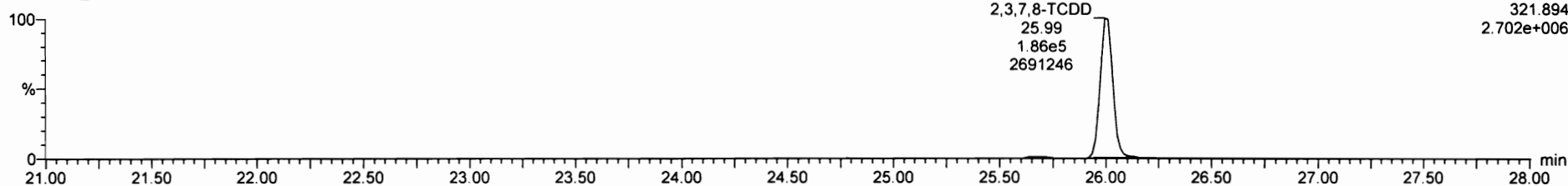
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2,3,7,8-TCDD

210218R1_5

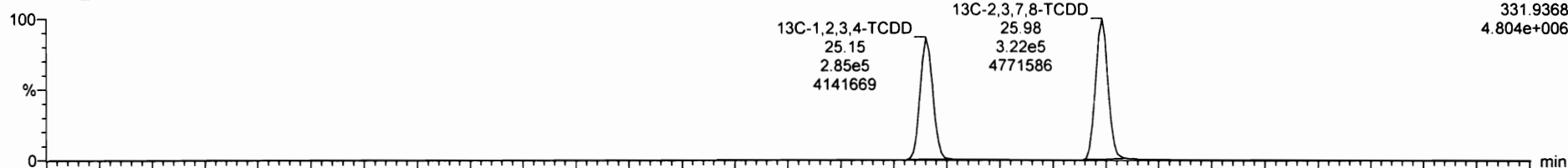


210218R1_5

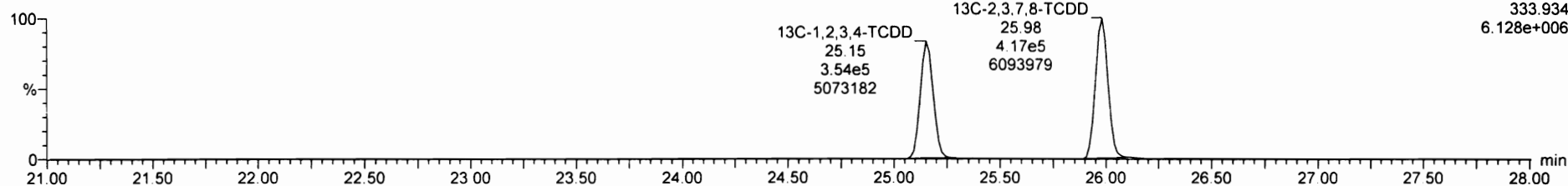


13C-2,3,7,8-TCDD

210218R1_5

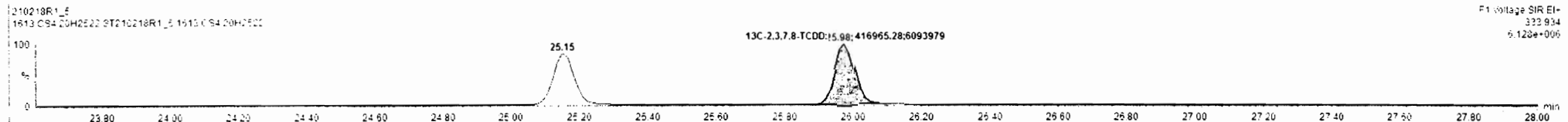
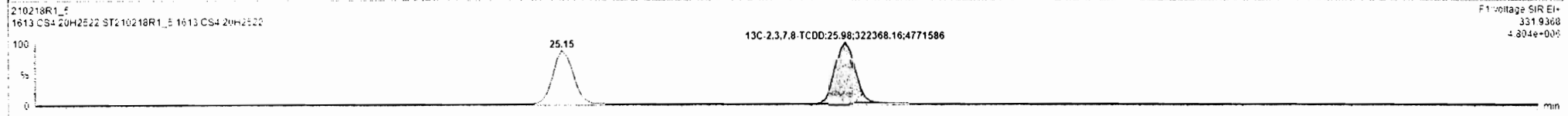
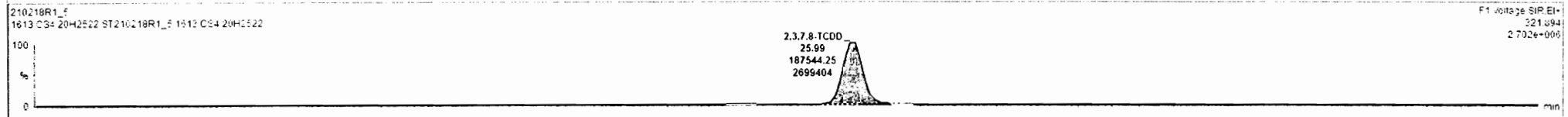
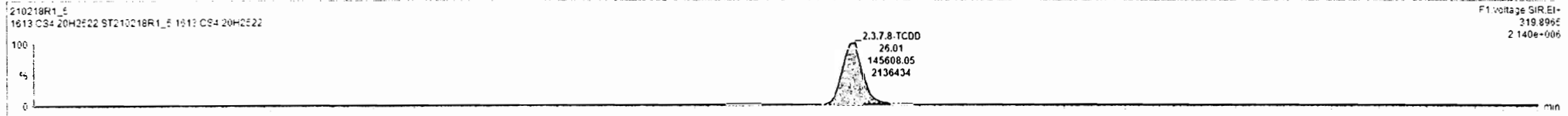


210218R1_5



210218R1_5 - ST210218R1_5 1613 CS4 20H2522 - 1613 CS4 20H2522

#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	3.33e5	7.39e5	0.77	0.78	NO	1.0087	26.01	26.01	NO	1.001	1.001	44.7	112	NO
2	1,2,3,7,8-PeCDD	1.16e5	5.55e5	0.23	0.62	NO	0.9952	30.51	30.50	NO	1.001	1.000	211	105	NO
3	1,2,3,4,7,8-HxCDD	8.96e5	3.63e5	1.24	1.25	NO	1.0576	34.21	34.21	NO	1.001	1.001	218	109	NO
4	1,2,3,6,7,8-HxCDD	9.25e5	4.47e5	1.24	1.27	NO	0.5454	34.33	34.33	NO	1.001	1.001	220	110	NO
5	1,2,3,6,8,9-HxCDD	5.53e5	4.05e5	1.34	1.24	NO	0.9572	34.58	34.59	NO	1.000	1.001	218	109	NO
6	1,2,3,4,6,7,8-HpCDD	5.52e5	2.66e5	1.04	1.04	NO	0.9601	36.06	36.06	NO	1.000	1.000	216	108	NO
7	OCDD	5.67e5	5.00e5	0.85	0.87	NO	0.9117	40.95	40.96	NO	1.000	1.000	424	106	NO
8	2,3,7,8-TCDF	4.17e5	1.20e5	0.77	0.75	NO	0.8039	25.24	25.25	NO	1.000	1.001	43.3	108	NO
9	1,2,3,7,8-PeCDF	1.91e5	9.05e5	1.55	1.55	NO	0.9545	29.55	29.50	NO	1.000	1.000	212	106	NO
10	1,2,3,4,7,8-PeCDF	1.90e5	7.55e5	1.55	1.54	NO	1.1352	30.71	30.70	NO	1.001	1.000	211	106	NO
11	1,2,3,4,7,8-HxCDF	1.05e5	5.02e5	1.24	1.21	NO	0.9556	33.32	33.32	NO	1.000	1.000	220	110	NO
12	1,2,3,6,7,8-HxCDF	1.22e5	6.17e5	1.24	1.21	NO	0.9603	33.46	33.45	NO	1.001	1.000	219	110	NO
13	1,2,3,6,8,9-HxCDF	1.11e5	5.29e5	1.24	1.20	NO	0.9570	34.10	34.10	NO	1.001	1.000	218	109	NO
14	1,2,3,7,8,9-HxCDF	9.22e5	4.55e5	1.24	1.21	NO	0.6272	35.95	35.96	NO	1.000	1.001	217	108	NO
15	1,2,3,4,6,7,8-HpCDF	7.53e5	3.65e5	1.04	1.02	NO	0.9585	36.58	36.52	NO	1.000	1.000	217	108	NO
16	1,2,3,4,7,8,9-HpCDF	6.19e5	2.55e5	1.04	1.02	NO	1.0957	36.73	36.73	NO	1.000	1.000	218	109	NO
17	OCDF	1.16e5	6.51e5	0.65	0.68	NO	0.7746	41.23	41.24	NO	1.000	1.000	422	108	NO



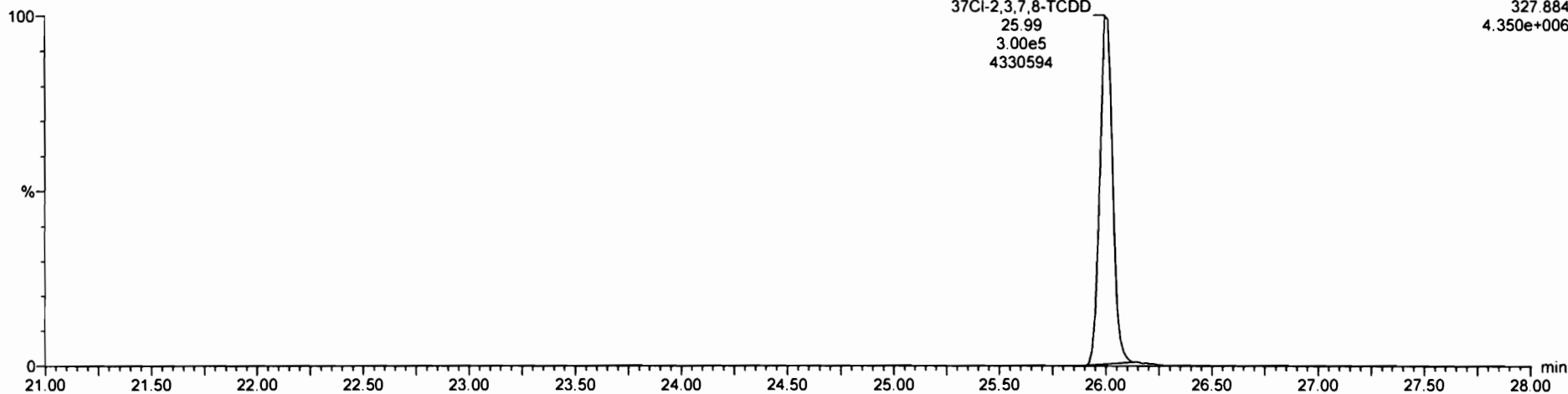
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Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time
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Name: 210218R1_5, Date: 18-Feb-2021, Time: 12:19:31, ID: ST210218R1_5 1613 CS4 20H2522, Description: 1613 CS4 20H2522

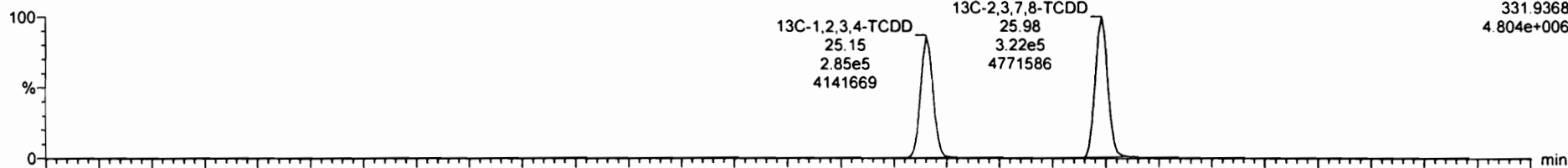
37Cl-2,3,7,8-TCDD

210218R1_5

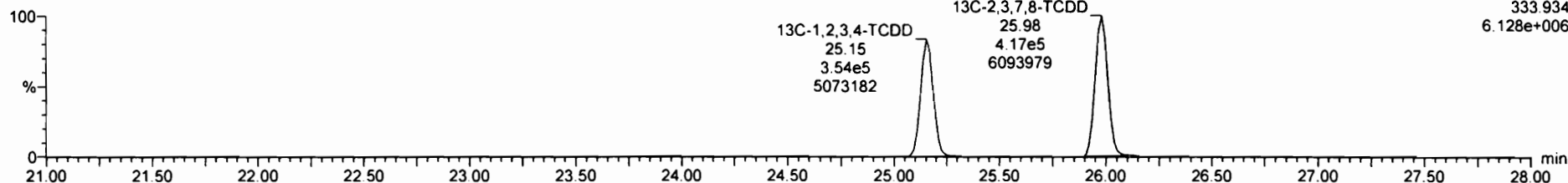


13C-1,2,3,4-TCDD

210218R1_5



210218R1_5



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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

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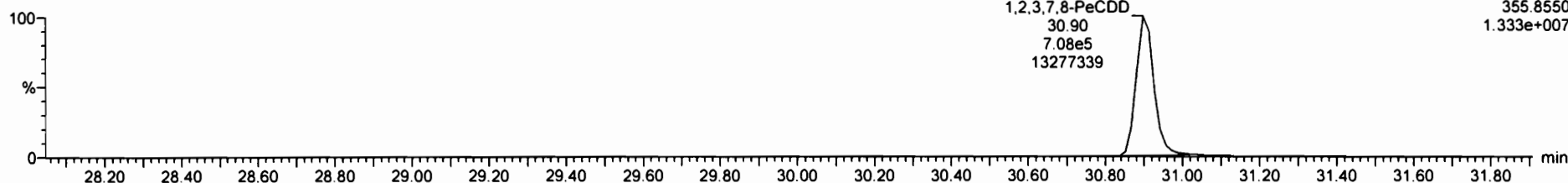
1,2,3,7,8-PeCDD

210218R1_5



F2:Voltage SIR,EI+
353.8576
8.248e+006

210218R1_5



F2:Voltage SIR,EI+
355.8550
1.333e+007

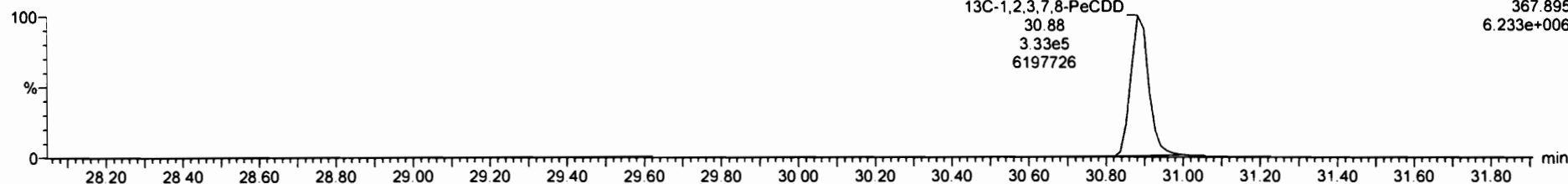
13C-1,2,3,7,8-PeCDD

210218R1_5



F2:Voltage SIR,EI+
365.8978
3.871e+006

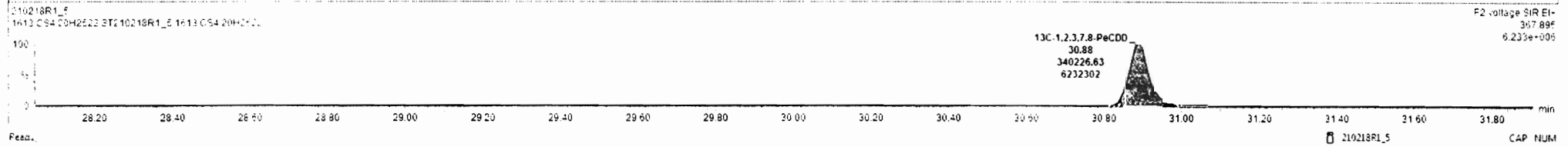
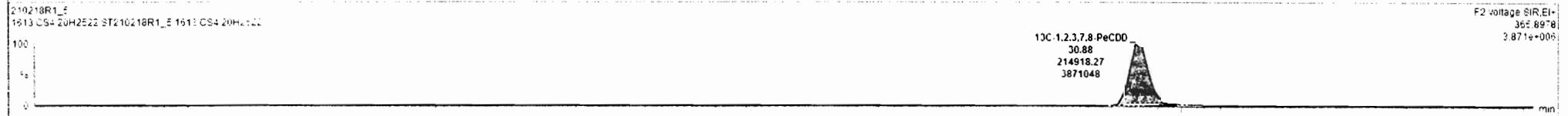
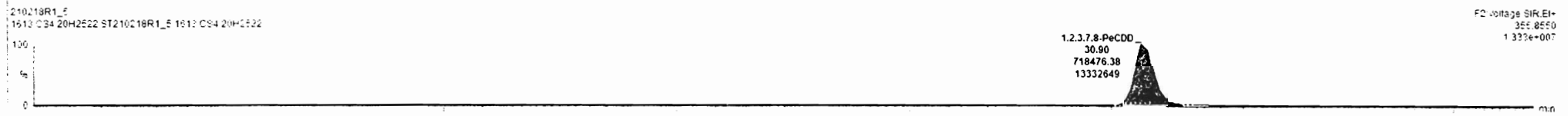
210218R1_5



F2:Voltage SIR,EI+
367.895
6.233e+006

210218R1_5 - ST210218R1_5 1613 CS4 20H2522 - 1613 CS4 20H2522

#	Name	Resp	IS Resp	Prec RA	RA	dy	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1.2.3.7.8-TCDD	3.32e5	7.19e5	0.77	0.78	NO	1.00E7	29.01	29.01	NO	1.001	1.001	44.7	112	NO
2	1.2.3.7.8-PeCDD	1.16e6	5.55e5	0.63	0.62	NO	0.99E2	30.91	30.90	NO	1.001	1.000	211	105	NO
3	1.2.3.4.7.8-HxCDD	8.96e5	3.65e5	1.24	1.25	NO	1.057E	34.21	34.21	NO	1.001	1.001	218	109	NO
4	1.2.3.6.7.8-HxCDD	9.25e5	4.47e5	1.24	1.27	NO	0.940E	34.33	34.33	NO	1.001	1.001	220	110	NO
5	1.2.3.7.8.9-HxCDD	3.52e5	4.05e5	1.24	1.24	NO	0.957E	34.58	34.59	NO	1.000	1.001	212	109	NO
6	1.2.3.4.6.7.8-HpCDD	5.52e5	2.62e5	1.24	1.04	NO	0.96C1	36.06	36.06	NO	1.000	1.000	216	108	NO
7	OCDD	9.67e5	5.00e5	0.85	0.87	NO	0.911E	40.95	40.96	NO	1.000	1.000	424	106	NO
8	1.2.3.7.8-TCDF	4.17e5	1.20e5	0.77	0.75	NO	0.803E	25.24	25.25	NO	1.000	1.001	43.2	108	NO
9	1.2.3.7.8-PeCDF	1.91e6	9.05e5	1.55	1.55	NO	0.994E	29.59	29.60	NO	1.000	1.001	212	108	NO
10	1.2.3.4.7.8-PeCDF	1.90e5	7.55e5	1.55	1.54	NO	1.13E2	30.71	30.70	NO	1.001	1.000	211	106	NO
11	1.2.3.4.7.8-HxCDF	1.05e5	5.02e5	1.24	1.21	NO	0.955E	33.32	33.32	NO	1.000	1.000	220	110	NO
12	1.2.3.6.7.8-HxCDF	1.25e5	6.17e5	1.24	1.22	NO	0.964E	33.46	33.45	NO	1.001	1.000	223	112	NO
13	1.2.3.4.6.7.8-HpCDF	1.12e5	5.03e5	1.24	1.21	NO	0.960E	34.11	34.10	NO	1.001	1.000	222	111	NO
14	1.2.3.7.8.9-HxCDF	9.22e5	4.55e5	1.24	1.21	NO	0.627E	35.05	35.06	NO	1.000	1.001	217	108	NO
15	1.2.3.4.6.7.8-HpCDF	7.51e5	3.63e5	1.24	1.02	NO	0.958E	36.59	36.58	NO	1.000	1.000	217	108	NO
16	1.2.3.4.7.8.9-HpCDF	9.19e5	2.59e5	1.24	1.02	NO	1.09E7	38.73	38.73	NO	1.000	1.000	218	109	NO
17	OCDF	1.15e5	6.91e5	0.85	0.88	NO	0.774E	41.22	41.24	NO	1.000	1.001	432	108	NO



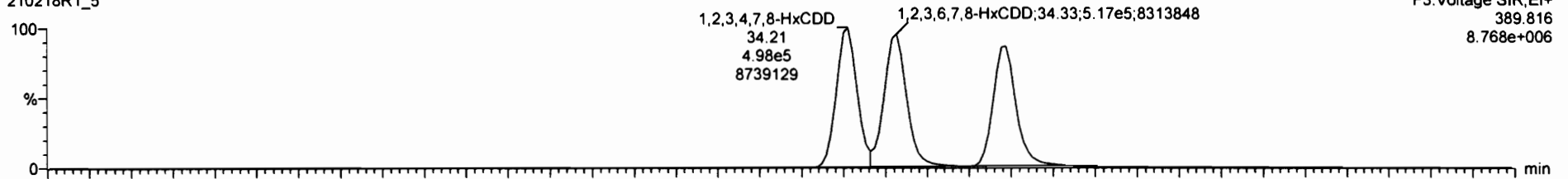
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

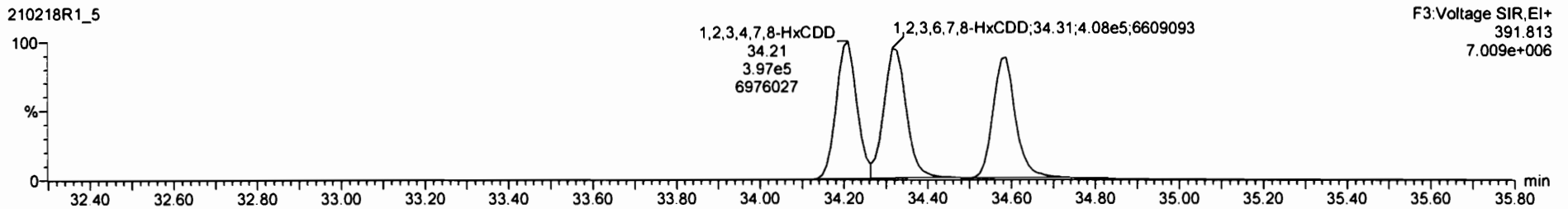
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1,2,3,4,7,8-HxCDD

210218R1_5

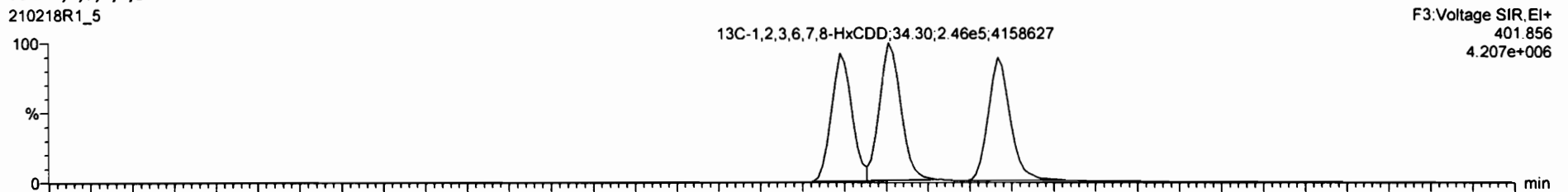


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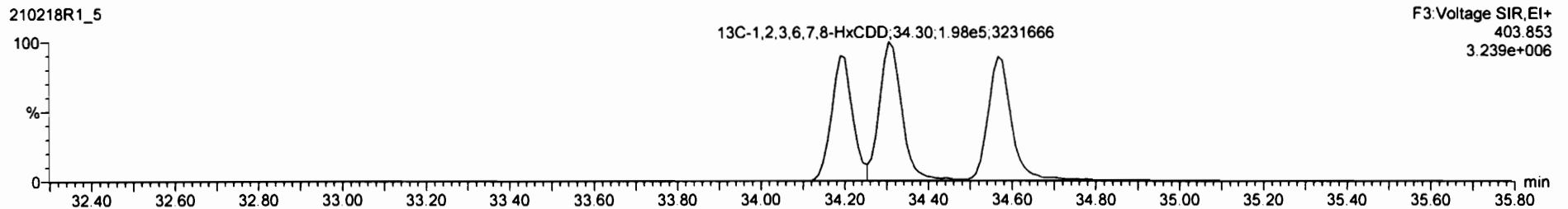


13C-1,2,3,4,7,8-HxCDD

210218R1_5



210218R1_5



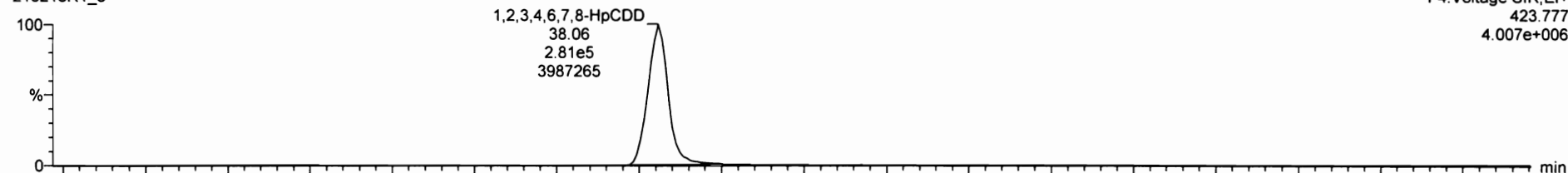
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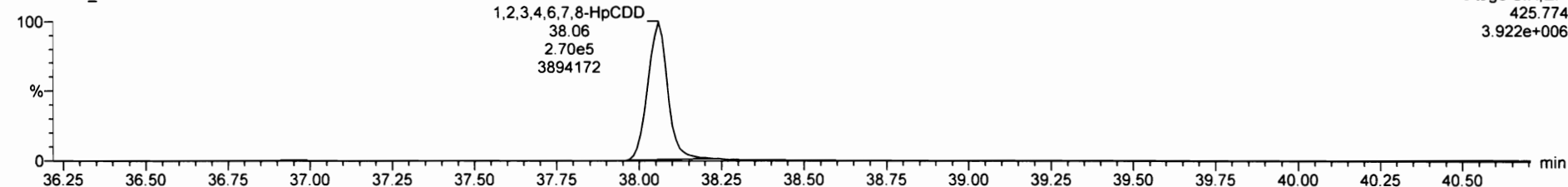
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1,2,3,4,6,7,8-HpCDD

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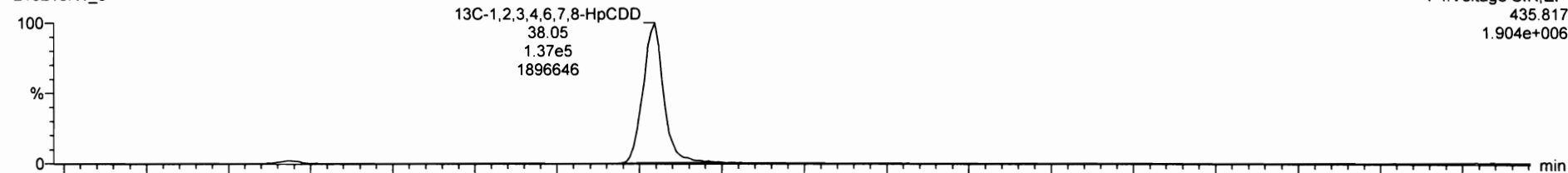


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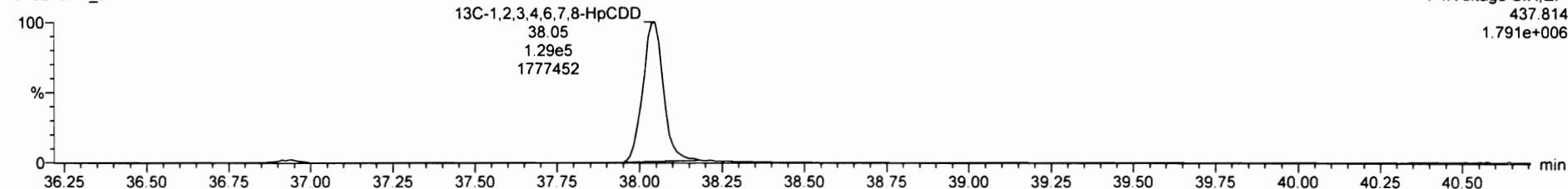


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210218R1_5



210218R1_5



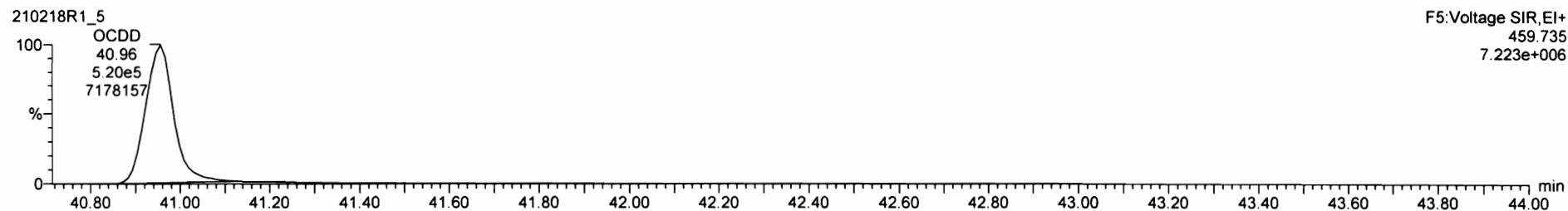
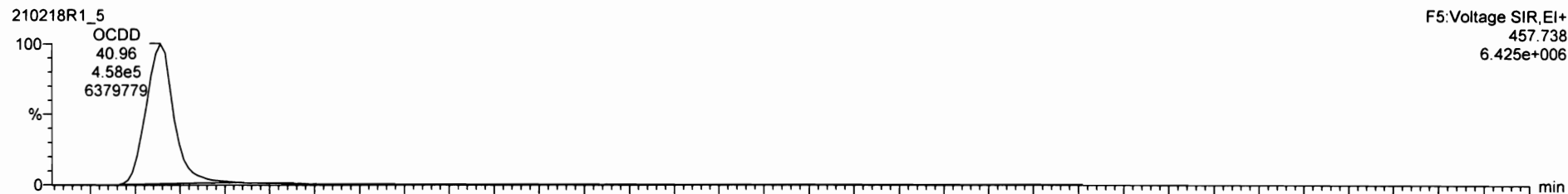
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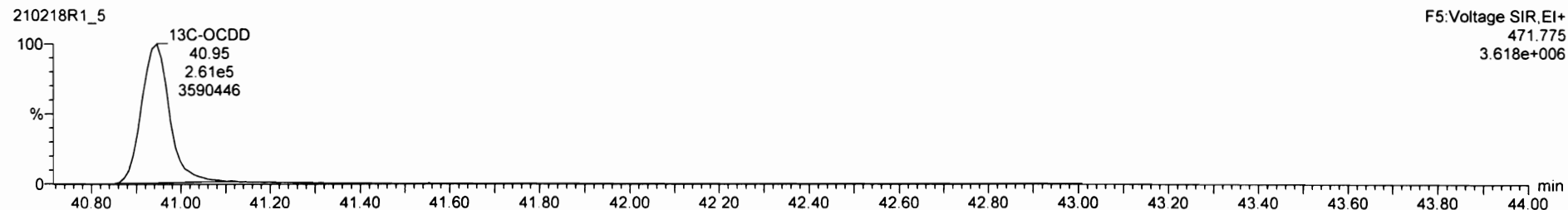
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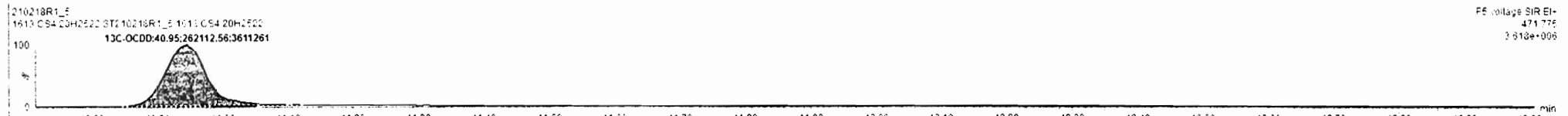
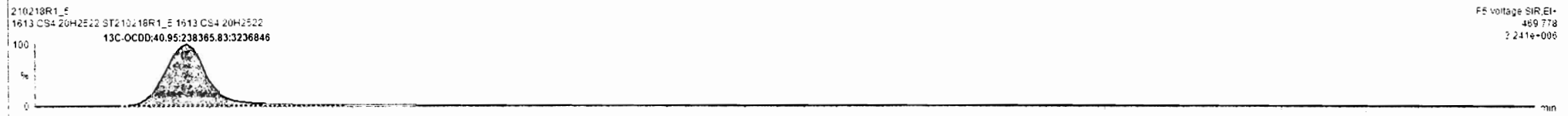
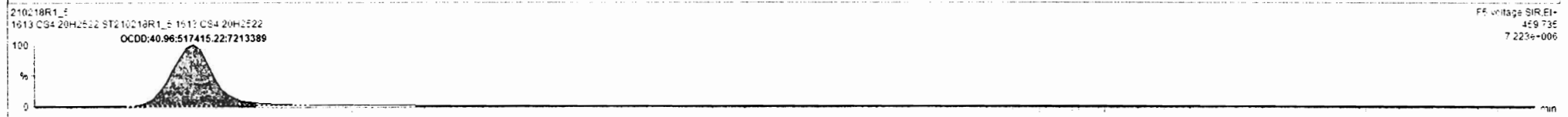
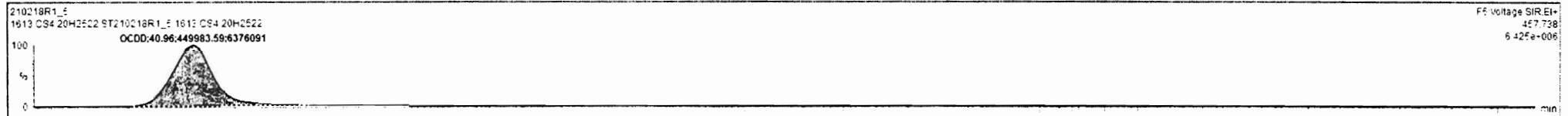
OCDD



13C-OCDD



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1.2.3.7.8-TCDD	3.33e5	7.39e5	0.77	0.78	NO	1.0067	26.01	26.01	NO	1.001	1.001	44.7	112	NO
2	1.2.3.7.8-PeCDD	1.16e5	5.55e5	0.83	0.82	NO	0.9552	30.51	30.50	NO	1.001	1.000	211	105	NO
3	1.2.3.4.7.8-HxCDD	8.96e5	3.89e5	1.24	1.25	NO	1.0576	34.21	34.21	NO	1.001	1.001	218	109	NO
4	1.2.3.6.7.8-HxCDD	9.25e5	4.47e5	1.24	1.27	NO	0.9404	34.32	34.33	NO	1.001	1.001	220	110	NO
5	1.2.3.7.8.9-HxCDD	8.52e5	4.09e5	1.24	1.24	NO	0.9572	34.58	34.59	NO	1.000	1.001	218	109	NO
6	1.2.3.4.6.7.8-HpCDD	5.52e5	2.86e5	1.04	1.04	NO	0.9601	38.06	38.06	NO	1.000	1.000	216	108	NO
7	OCDD	9.67e5	5.00e5	0.89	0.87	NO	0.9117	40.95	40.96	NO	1.000	1.000	424	106	NO
8	1.2.3.7.8-TCDF	4.17e5	1.20e5	0.77	0.75	NO	0.8035	25.24	25.25	NO	1.000	1.001	43.2	108	NO
9	1.2.3.7.8-PeCDF	1.91e5	9.05e5	1.55	1.55	NO	0.9945	29.55	29.60	NO	1.000	1.000	213	108	NO
10	1.2.3.4.7.8-PeCDF	1.50e5	7.55e5	1.55	1.54	NO	1.1352	30.71	30.70	NO	1.001	1.000	211	106	NO
11	1.2.3.4.7.8-HxCDF	1.05e5	5.22e5	1.24	1.21	NO	0.9556	33.32	33.32	NO	1.000	1.000	220	110	NO
12	1.2.3.6.7.8-HxCDF	1.22e5	6.17e5	1.24	1.21	NO	0.9603	33.46	33.45	NO	1.001	1.000	219	110	NO
13	1.2.3.4.6.7.8-HpCDF	1.11e5	5.29e5	1.24	1.20	NO	0.9570	34.10	34.10	NO	1.001	1.000	218	109	NO
14	1.2.3.7.8.9-HxCDF	9.22e5	4.59e5	1.24	1.21	NO	0.9273	35.05	35.06	NO	1.000	1.001	217	108	NO
15	1.2.3.4.6.7.8-HpCDF	7.52e5	3.82e5	1.04	1.02	NO	0.9585	36.58	36.58	NO	1.000	1.000	217	108	NO
16	1.2.3.4.7.8.9-HpCDF	5.15e5	2.53e5	1.04	1.02	NO	1.0957	38.72	38.73	NO	1.000	1.000	218	109	NO
17	OCDF	1.18e5	6.51e5	0.85	0.88	NO	0.7746	41.23	41.24	NO	1.000	1.000	432	103	NO



Read... 210218R1_5 CAP NUM

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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

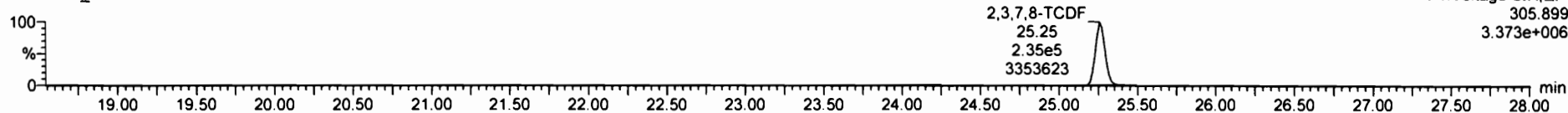
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2,3,7,8-TCDF

210218R1_5

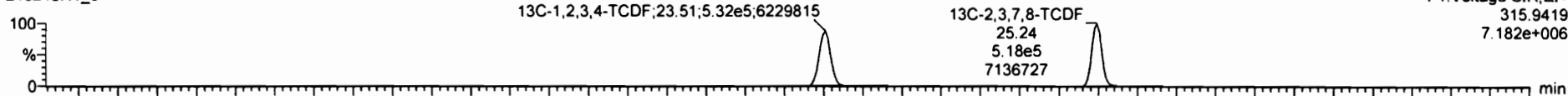


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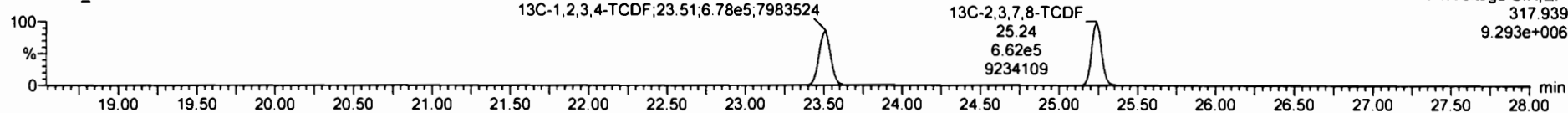


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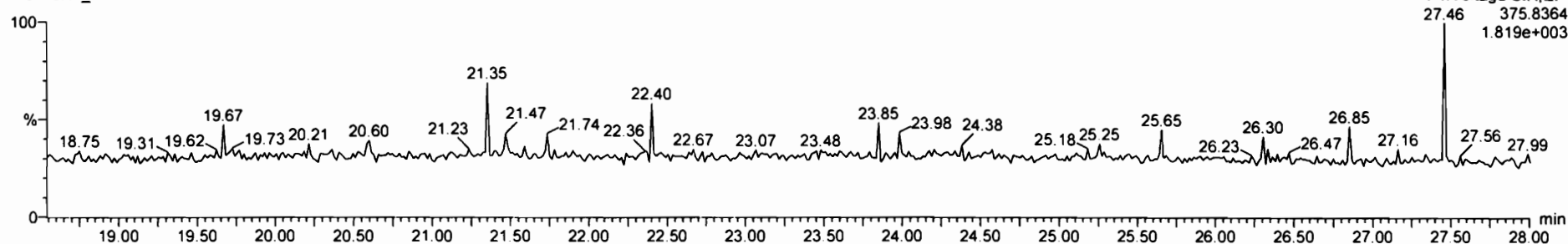


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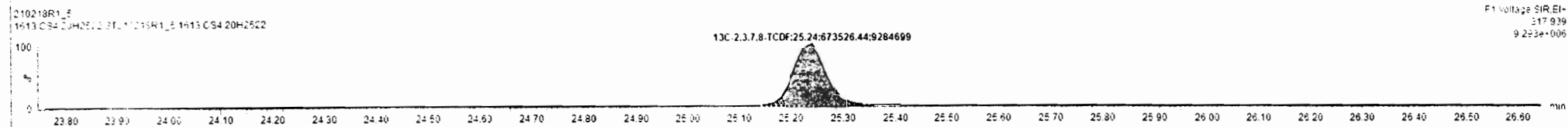
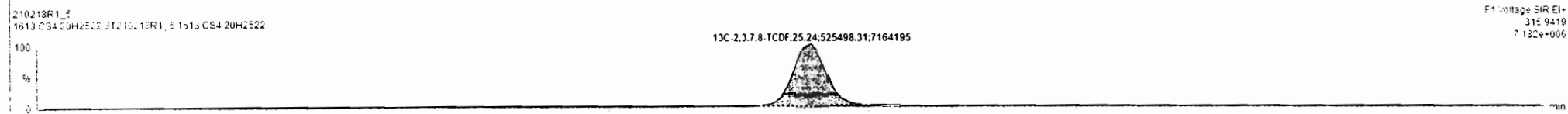
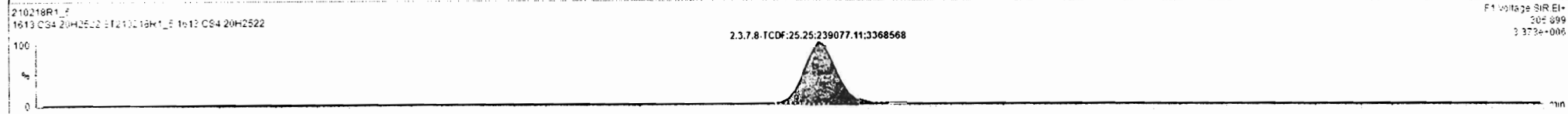
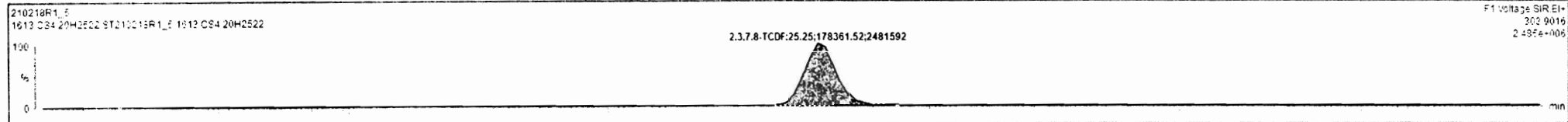


DPE1

210218R1_5



#	#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1	2,3,7,8-TCDD	3.30e5	7.19e5	0.77	0.78	NO	1.00E7	25.21	25.21	NO	1.001	1.001	44.7	112	NO
2	2	1,2,3,7,8-PeCDD	1.16e5	5.55e5	0.63	0.62	NO	0.96E2	30.61	30.60	NO	1.001	1.000	211	105	NO
3	3	1,2,3,4,7,8-HxCDD	8.96e5	3.89e5	1.24	1.25	NO	1.05E6	34.21	34.21	NO	1.001	1.001	218	105	NO
4	4	1,2,3,6,7,8-HxCDD	9.25e5	4.47e5	1.24	1.27	NO	0.9404	34.33	34.33	NO	1.001	1.001	220	110	NO
5	5	1,2,3,7,8,9-HxCDD	8.53e5	4.09e5	1.24	1.24	NO	0.9572	34.58	34.59	NO	1.000	1.001	219	109	NO
6	6	1,2,3,4,6,7,8-HpCDD	5.52e5	2.86e5	1.04	1.04	NO	0.9601	38.06	38.06	NO	1.000	1.000	218	108	NO
7	7	OCDD	9.67e5	5.00e5	0.85	0.87	NO	0.5117	40.95	40.95	NO	1.000	1.000	424	105	NO
8	8	2,3,7,8-TCDF	4.17e5	1.20e6	0.77	0.75	NO	0.8039	25.24	25.25	NO	1.000	1.001	43.3	108	NO
9	9	1,2,3,7,8-PeCDF	1.91e5	9.05e5	1.55	1.55	NO	0.9545	25.59	25.60	NO	1.000	1.000	212	108	NO
10	10	2,3,4,7,8-PeCDF	1.90e5	7.95e5	1.55	1.54	NO	1.13E2	30.71	30.70	NO	1.001	1.000	211	106	NO
11	11	1,2,3,4,7,8-HxCDF	1.05e6	5.22e5	1.24	1.21	NO	0.9556	33.32	33.32	NO	1.000	1.000	220	110	NO
12	12	1,2,3,6,7,8-HxCDF	1.22e6	6.17e5	1.24	1.21	NO	0.9603	33.46	33.45	NO	1.001	1.000	219	110	NO
13	13	2,3,4,6,7,8-HxCDF	1.11e6	5.29e5	1.24	1.20	NO	0.9570	34.10	34.10	NO	1.001	1.000	218	109	NO
14	14	1,2,3,7,8,9-HxCDF	9.22e5	4.59e5	1.24	1.21	NO	0.9273	35.05	35.06	NO	1.000	1.001	217	108	NO
15	15	1,2,3,4,6,7,8-HpCDF	7.53e5	3.63e5	1.04	1.02	NO	0.9585	36.68	36.68	NO	1.000	1.000	217	108	NO
16	16	1,2,3,4,7,8,9-HpCDF	5.19e5	2.59e5	1.04	1.02	NO	1.09E7	38.73	38.73	NO	1.000	1.000	218	109	NO
17	17	OCDF	1.16e6	6.91e5	0.85	0.88	NO	0.7746	41.23	41.24	NO	1.000	1.000	422	108	NO



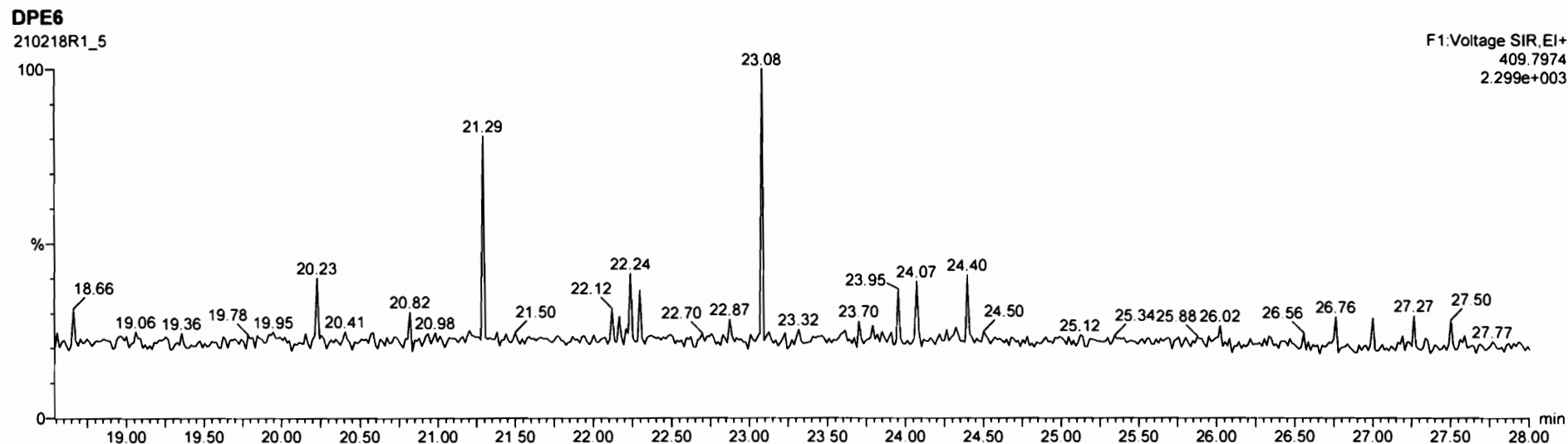
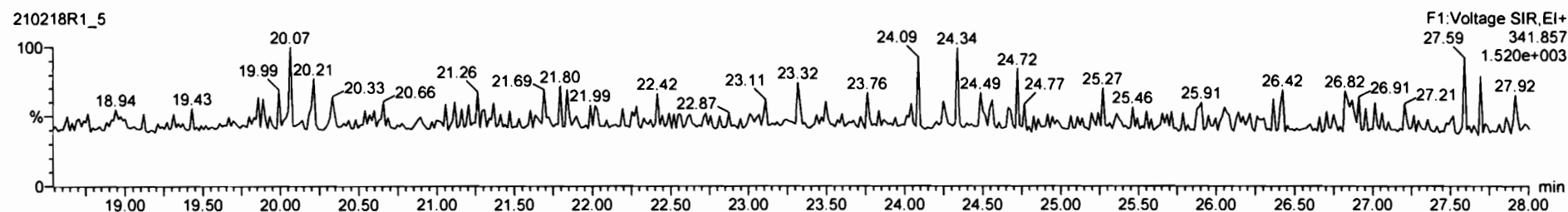
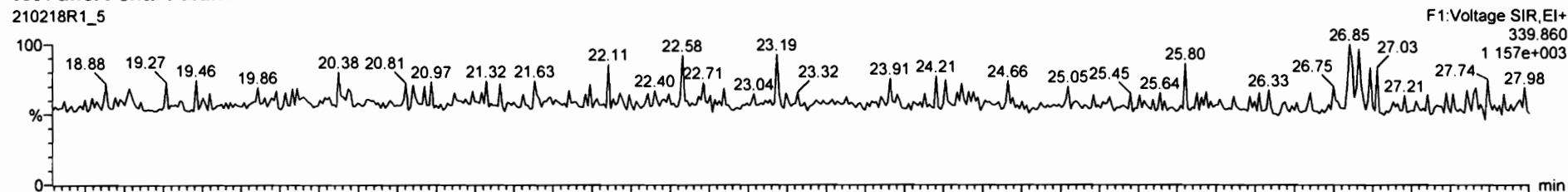
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Name: 210218R1_5, Date: 18-Feb-2021, Time: 12:19:31, ID: ST210218R1_5 1613 CS4 20H2522, Description: 1613 CS4 20H2522

1st Func. Penta-Furans



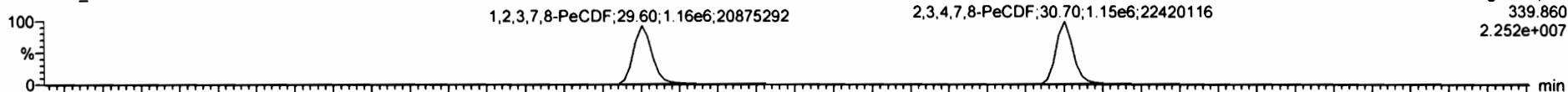
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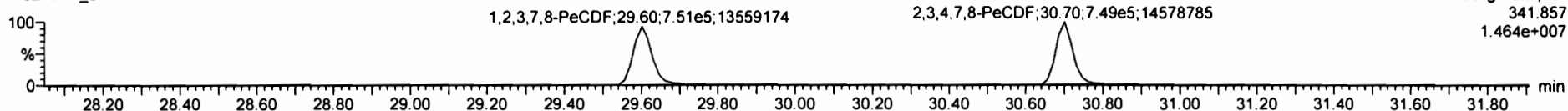
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1,2,3,7,8-PeCDF

210218R1_5

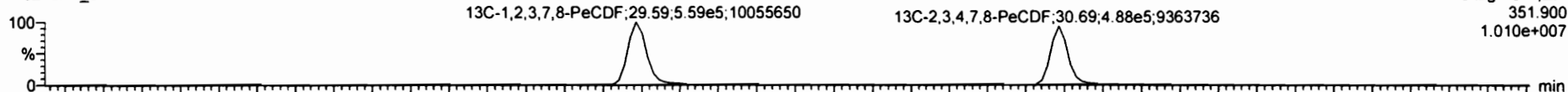


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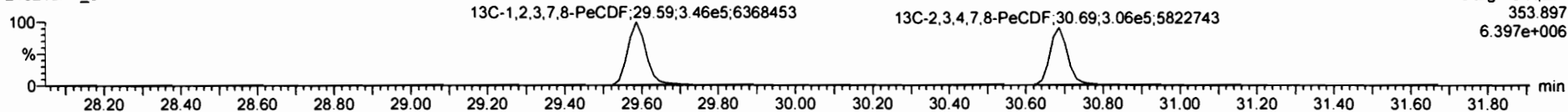


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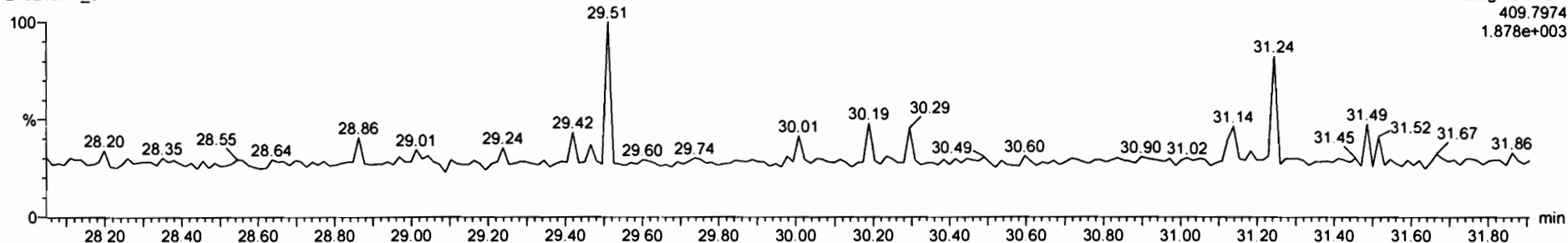


210218R1_5



DPE2

210218R1_5



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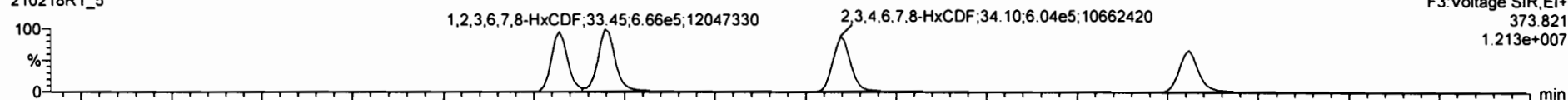
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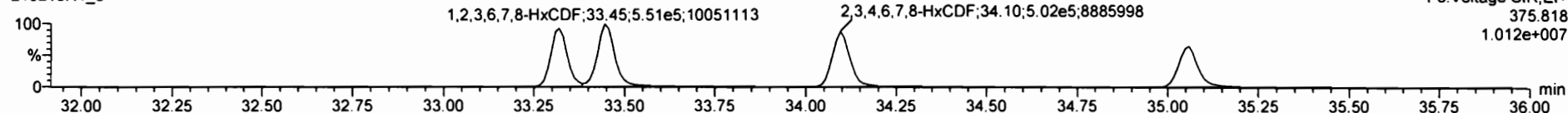
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1,2,3,4,7,8-HxCDF

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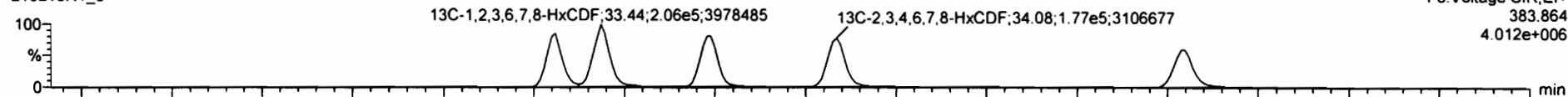


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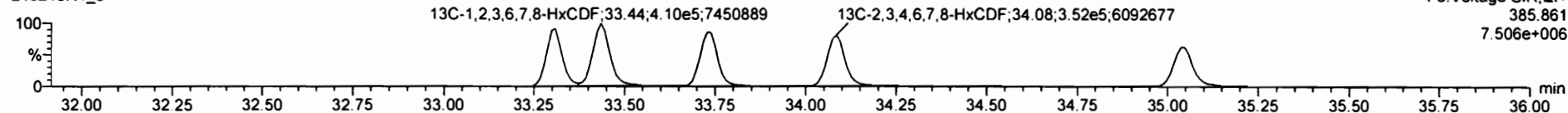


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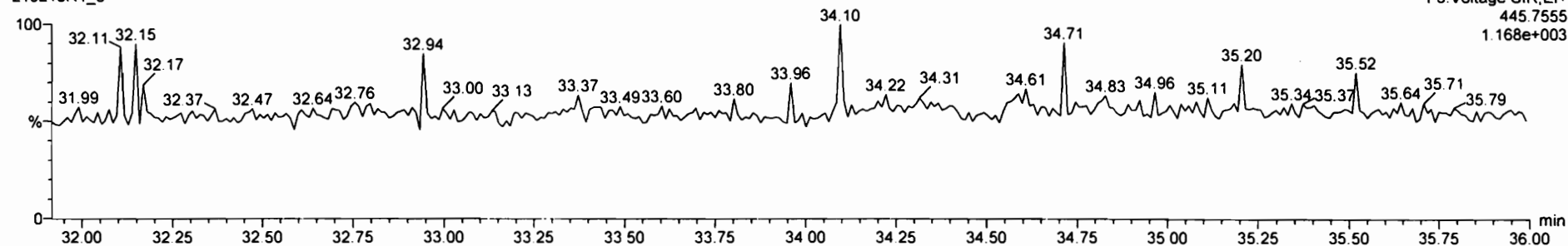


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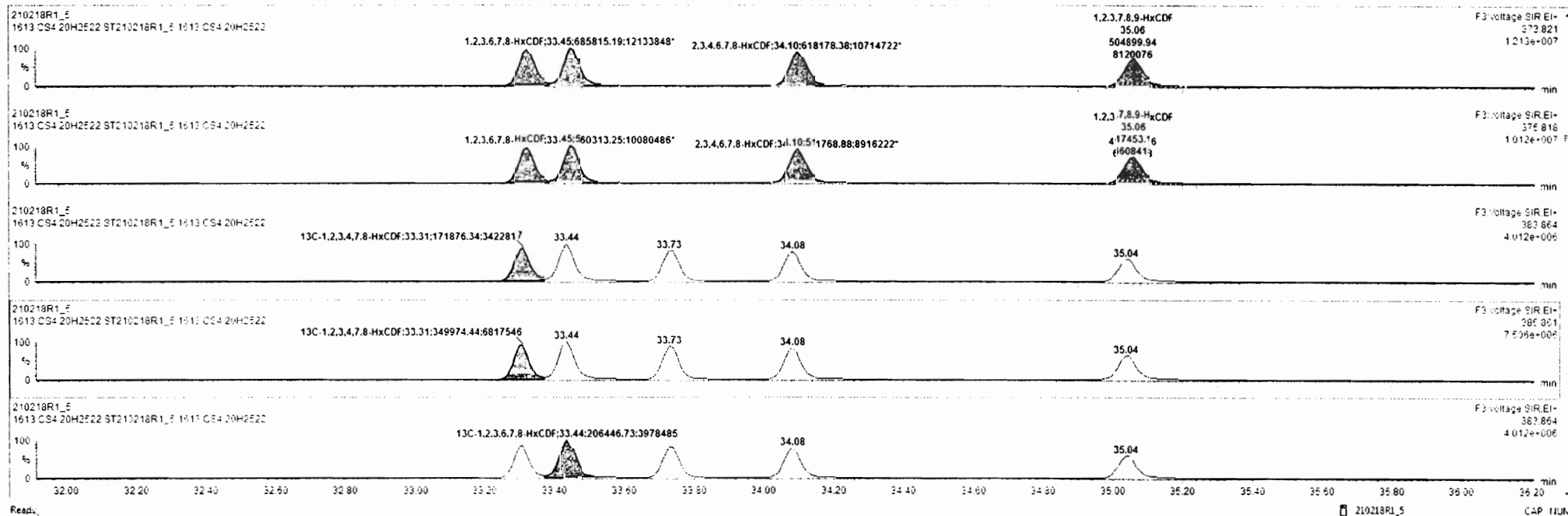
DPE3

210218R1_5



210218R1_5 - ST210218R1_5 1613 CS4 20H2522 - 1613 CS4 20H2522

#	Name	Resp	IS Resp	Pred RA	RA	dy	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
33	13C-1,2,3,4,7,8,9-HxCDF	2.56e5	5.32e5	0.44	0.41	NO	0.4752	38.39	38.72	NO	1.153	1.148	101	101	NO
34	13C-OCDF	6.91e5	5.38e5	0.35	0.89	NO	0.6320	41.65	41.22	NO	1.275	1.222	202	102	NO
35	37Cl-2,3,7,8-TCDD	3.04e5	6.43e5				1.0367	25.95	25.69	NO	1.033	1.033	45 E	114	NO
36	13C-1,2,3,4-TCDD	6.47e5	6.43e5	0.77	0.80	NO	1.0000	25.21	25.15	NO	1.000	1.000	100	100	NO
37	13C-1,2,3,4-TCDF	1.22e5	1.22e5	0.77	0.78	NO	1.0000	23.55	23.51	NO	1.000	1.000	100	100	NO
38	13C-1,2,3,4,6,9-HxCDF	5.38e5	5.35e5	0.51	0.50	NO	1.0000	33.85	33.73	NO	1.000	1.000	100	100	NO
39	35 Total Tetra-Dioxins		7.73e5				1.0007	24.82		NO	0.000		45 E		NO
40	40 Total Penta-Dioxins		5.55e5				0.9952	25.58		NO	0.000		211		NO
41	41 Total Hexa-Dioxins		0.00e0				0.9404	33.23		NO	0.000		555		NO
42	42 Total Hepta-Dioxins		2.22e5				0.9501	37.54		NO	0.000		218		NO
43	43 Total Tetra-Furans		1.22e5				0.9035	23.51		NO	0.000		42 E		NO
44	44 1st Func Penta-Furans		0.00e0				0.9945	26.53		NO	0.000				NO
45	45 Total Penta-Furans		0.00e0				0.9945	25.27		NO	0.000		427		NO
46	46 Total Hexa-Furans		0.00e0				0.9570	33.58		NO	0.000		874		NO
47	47 Total Hepta-Furans		0.00e0				0.9555	37.83		NO	0.000		438		NO
48	48 PFK1														
49	49 PFK2														



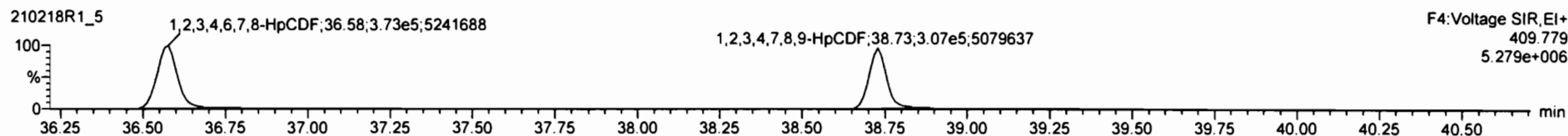
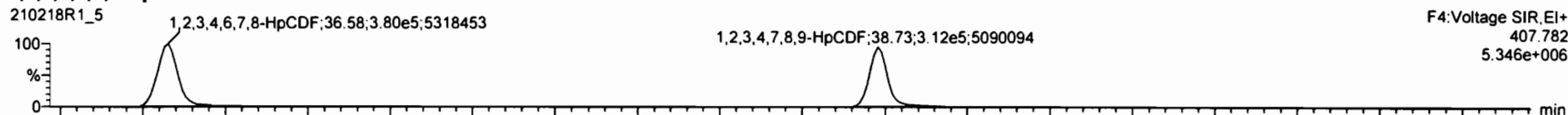
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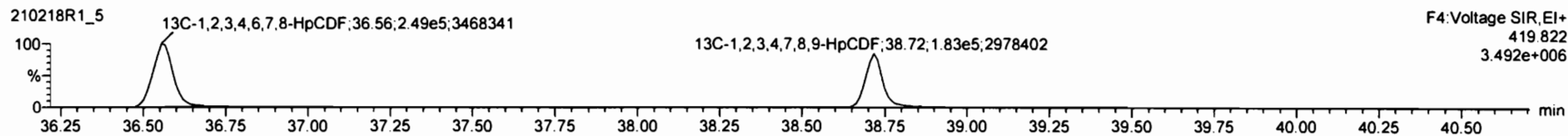
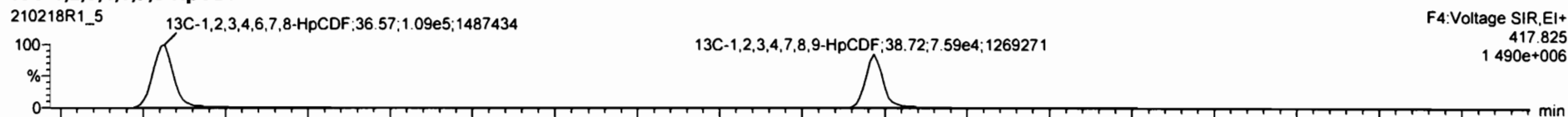
Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_5, Date: 18-Feb-2021, Time: 12:19:31, ID: ST210218R1_5 1613 CS4 20H2522, Description: 1613 CS4 20H2522

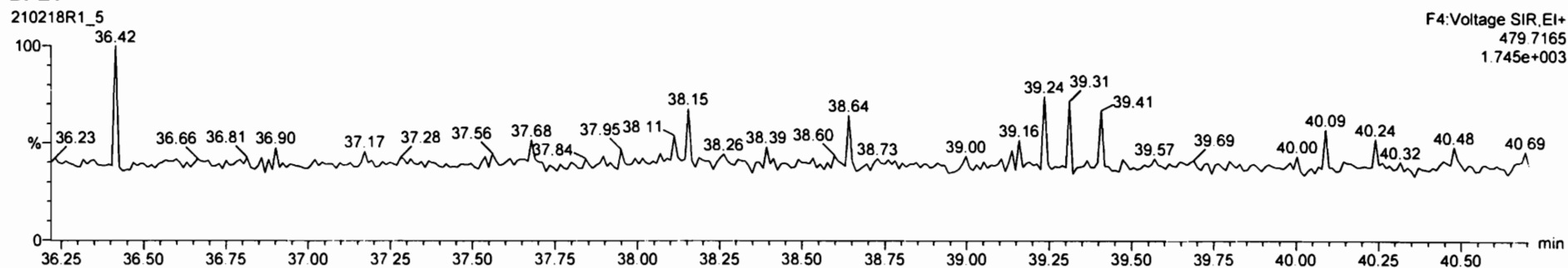
1,2,3,4,6,7,8-HpCDF



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



DPE4



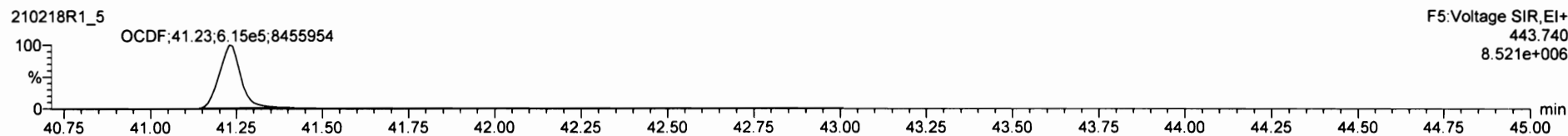
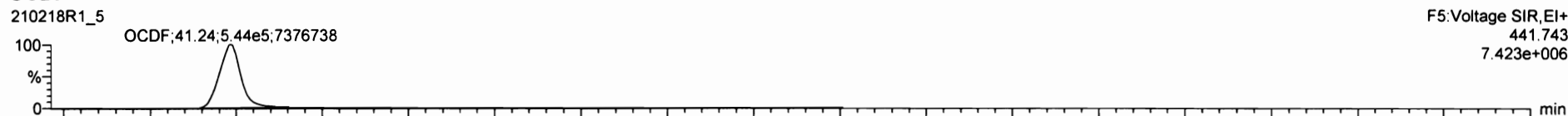
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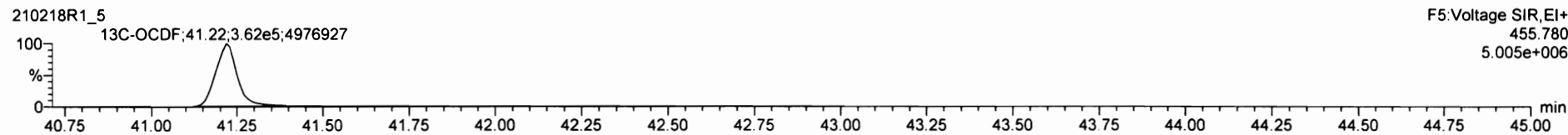
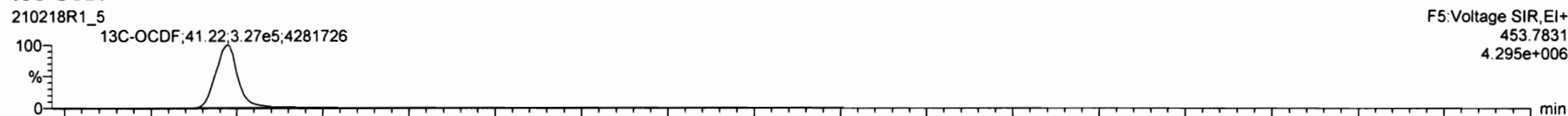
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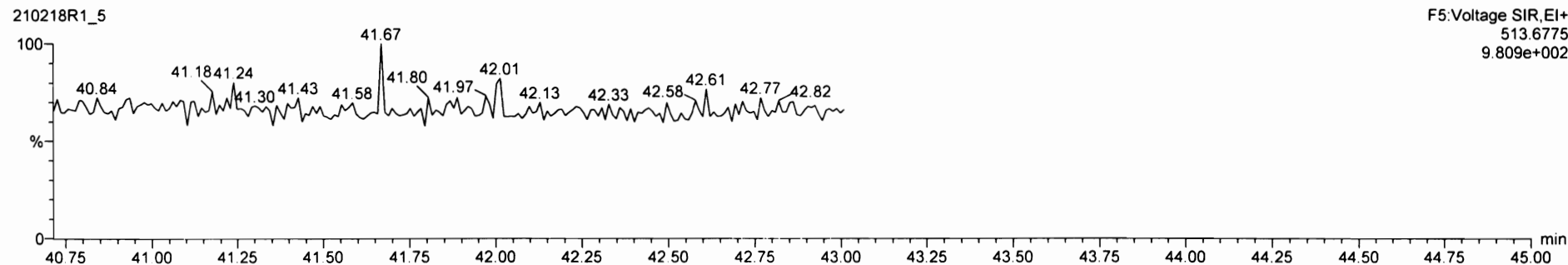
OCDF



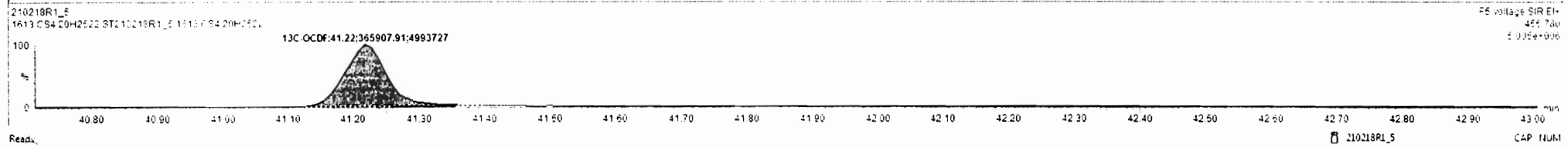
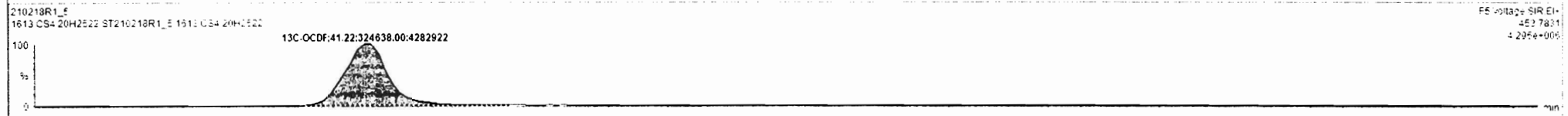
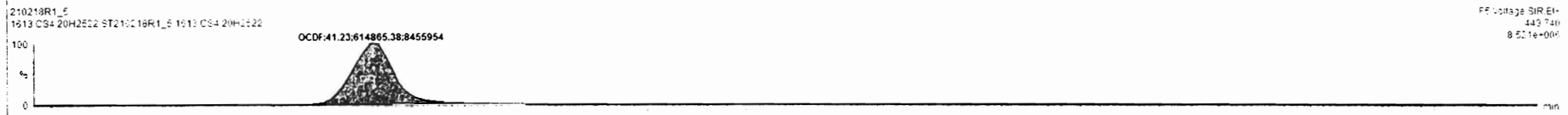
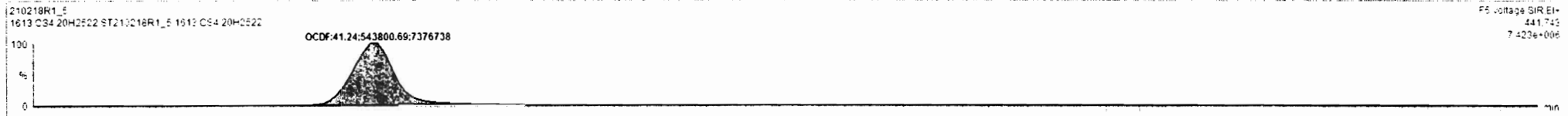
13C-OCDF



DPE5



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10	10 2.3.4.7.8-PeCDF	1.90e6	7.95e5	1.55	1.54	NO	1.1252	30.71	30.70	NO	1.001	1.000	211	156	NO
11	11 1.2.3.4.7.8-HxCDF	1.09e6	5.22e5	1.24	1.21	NO	0.9556	33.32	33.32	NO	1.000	1.000	220	110	NO
12	12 1.2.3.6.7.8-HxCDF	1.25e6	6.17e5	1.24	1.22	NO	0.9043	33.46	33.45	NO	1.001	1.000	223	112	NO
13	13 2.3.4.6.7.8-HxCDF	1.13e6	5.09e5	1.24	1.21	NO	0.9608	34.11	34.10	NO	1.001	1.000	222	111	NO
14	14 1.2.3.7.8.9-HxCDF	9.32e5	4.59e5	1.24	1.21	NO	0.9273	35.05	35.06	NO	1.000	1.001	217	108	NO
15	15 1.2.3.4.6.7.8-HpCDF	7.53e5	3.63e5	1.04	1.02	NO	0.9565	36.55	36.58	NO	1.003	1.000	217	108	NO
16	16 1.2.3.4.7.8.9-HxCDF	6.15e5	2.85e5	1.04	1.02	NO	1.0567	38.73	38.73	NO	1.000	1.000	218	105	NO
17	17 OCDF	1.16e6	6.91e5	0.89	0.88	NO	0.7746	41.23	41.24	NO	1.000	1.001	433	108	NO
18	18 13C-2.3.7.8-TCDD	7.39e5	6.47e5	0.77	0.77	NO	1.1507	25.58	25.59	NO	1.033	1.033	99.9	99.9	NO
19	19 13C-1.2.3.7.8-PeCDD	5.55e5	6.47e5	0.63	0.63	NO	0.8303	30.90	30.88	NO	1.228	1.228	104	104	NO
20	20 13C-1.2.3.4.7.8-HxCDD	3.89e5	5.18e5	1.24	1.31	NO	0.7033	34.20	34.19	NO	1.014	1.014	102	103	NO
21	21 13C-1.2.3.6.7.8-HxCDD	4.47e5	5.38e5	1.24	1.28	NO	0.8054	34.31	34.31	NO	1.017	1.017	103	103	NO
22	22 13C-1.2.3.7.8.9-HxCDD	4.09e5	5.35e5	1.24	1.22	NO	0.7325	34.55	34.57	NO	1.025	1.025	104	104	NO
23	23 13C-1.2.3.4.6.7.8-HpCDD	2.86e5	6.33e5	1.04	1.06	NO	0.4665	38.20	38.05	NO	1.133	1.128	99.4	99.4	NO
24	24 13C-OCDD	5.00e5	5.38e5	0.98	0.91	NO	0.4603	40.93	40.95	NO	1.214	1.214	201	101	NO
25	25 13C-2.3.7.8-TCDF	1.20e6	1.22e5	0.77	0.78	NO	0.9773	25.24	25.24	NO	1.003	1.003	101	101	NO
26	26 13C-1.2.3.7.8-PeCDF	9.05e5	1.22e5	1.55	1.61	NO	0.7594	29.59	29.59	NO	1.176	1.176	97.7	97.7	NO

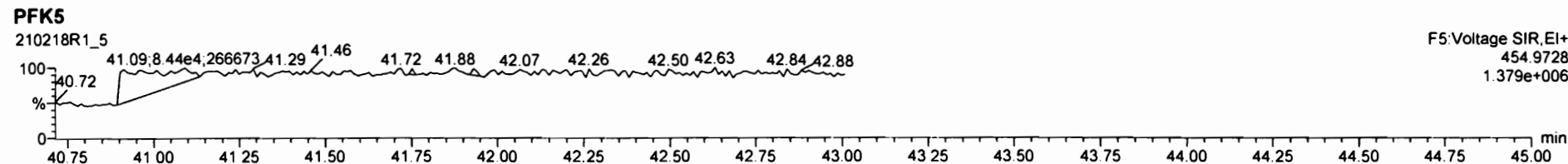
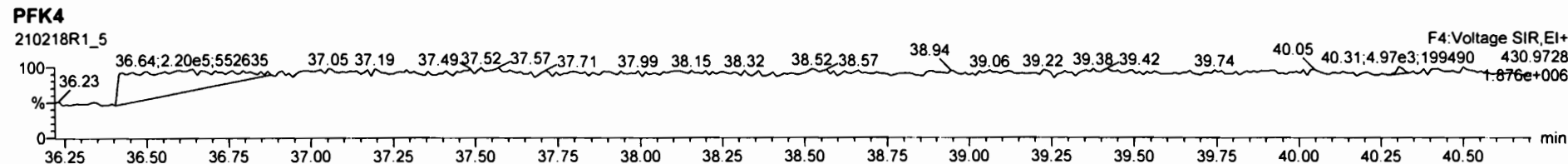
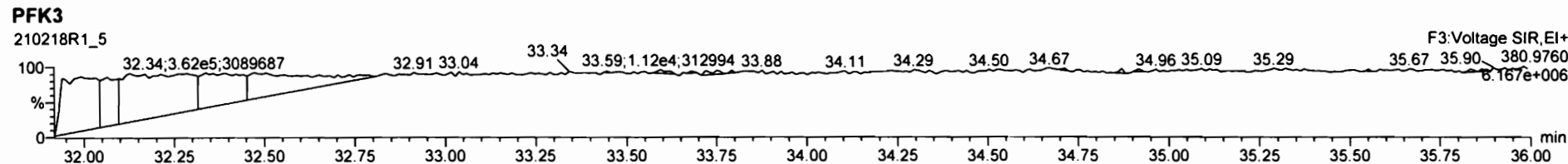
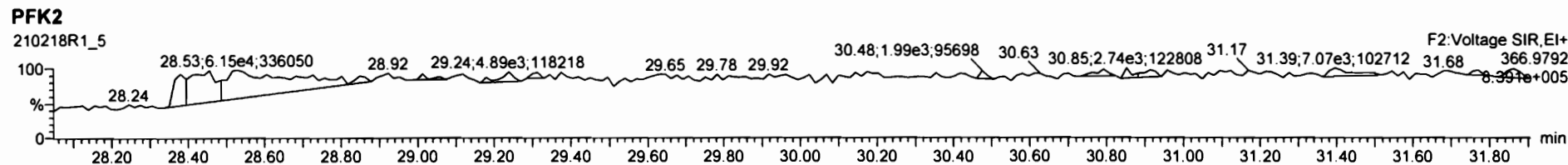
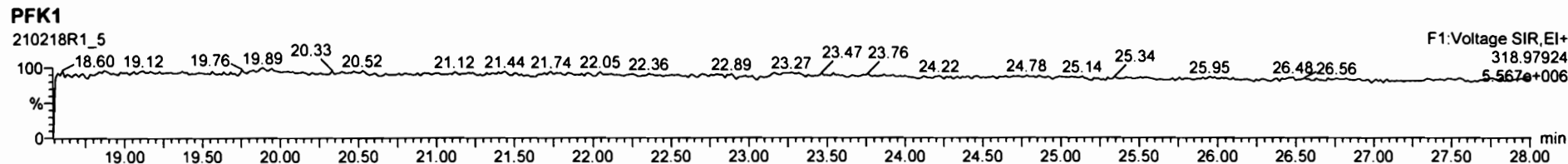


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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_5, Date: 18-Feb-2021, Time: 12:19:31, ID: ST210218R1_5 1613 CS4 20H2522, Description: 1613 CS4 20H2522



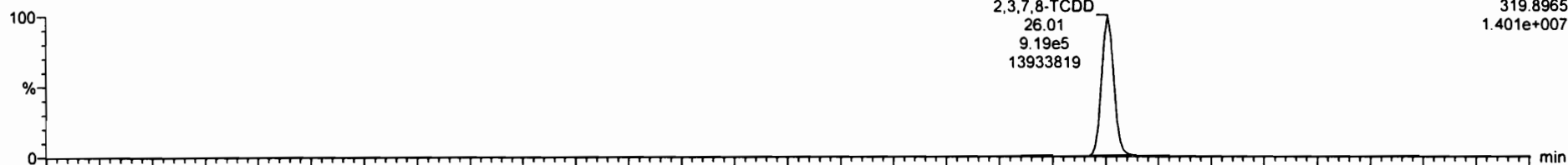
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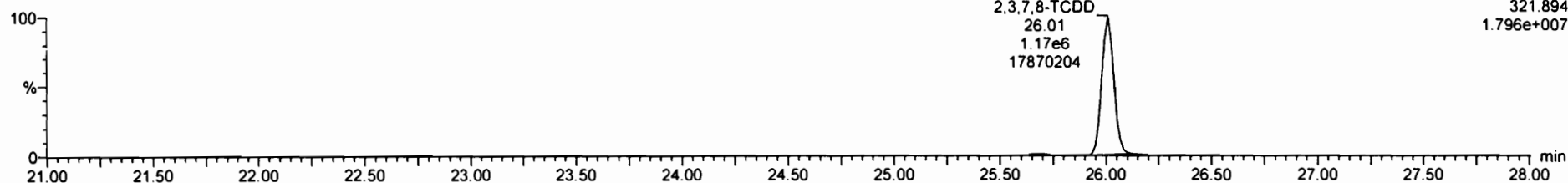
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2,3,7,8-TCDD

210218R1_6

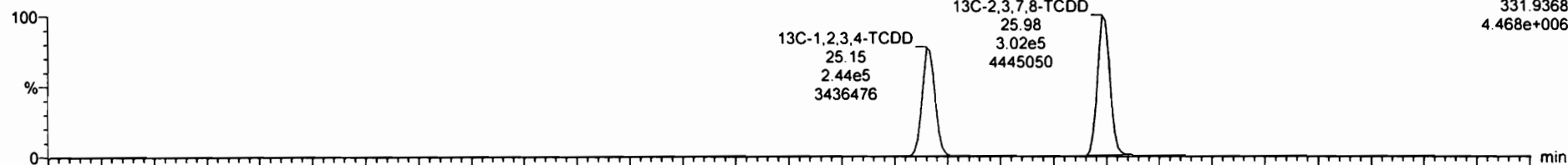


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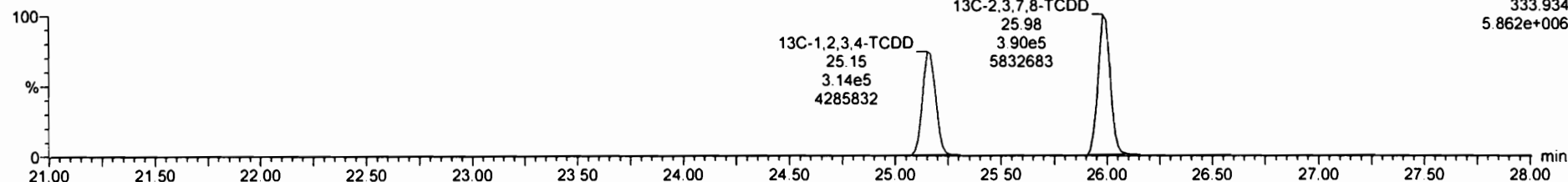


13C-2,3,7,8-TCDD

210218R1_6

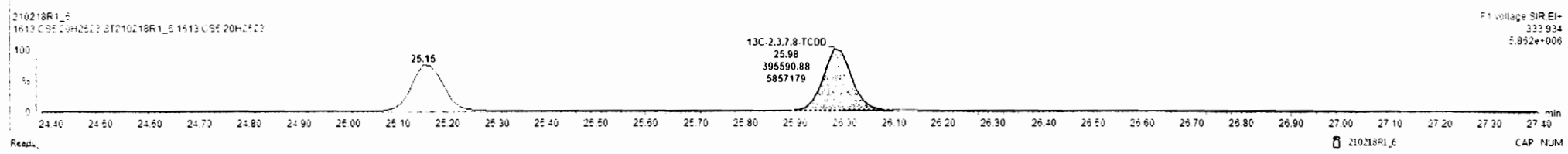
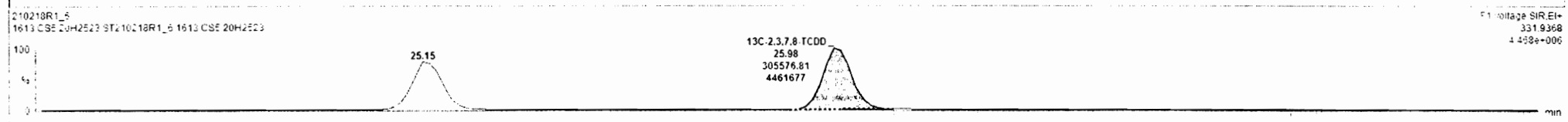
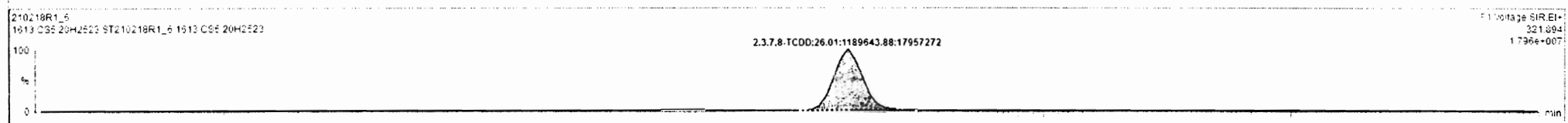
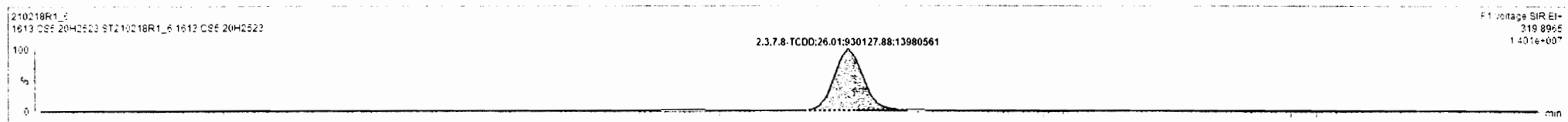


210218R1_6



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1	2.3.7.8-TCDD	2.12e6	7.01e5	0.77	0.78	NO	1.0087	28.01	28.01	NO	1.001	1.001	300	99.9	NO
2	1.2.3.7.8-PeCDD	7.32e5	5.67e5	0.63	0.63	NO	0.9952	30.93	30.91	NO	1.001	1.000	1350	92.5	NO
3	1.2.3.4.7.8-HxCDD	6.44e6	4.18e5	1.24	1.25	NO	1.0576	34.22	34.21	NO	1.001	1.000	1460	97.0	NO
4	1.2.3.6.7.8-HxCDD	6.49e6	4.79e5	1.24	1.25	NO	0.9404	34.24	34.23	NO	1.001	1.000	1440	96.0	NO
5	1.2.3.7.8.9-HxCDD	8.19e6	4.40e5	1.24	1.23	NO	0.9572	34.59	34.59	NO	1.000	1.000	1470	97.9	NO
6	1.2.3.4.6.7.8-HpCDD	4.36e6	2.94e5	1.04	1.03	NO	0.9601	38.07	38.07	NO	1.000	1.000	1450	96.6	NO
7	OCDD	7.49e6	5.71e5	0.88	0.88	NO	0.9117	40.97	40.98	NO	1.000	1.000	2830	95.8	NO
8	2.3.7.8-TCDF	2.54e6	1.07e5	0.77	0.75	NO	0.8039	25.24	25.27	NO	1.000	1.001	294	98.0	NO
9	1.2.3.7.8-PeCDF	1.27e7	9.28e5	1.55	1.54	NO	0.9945	29.60	29.62	NO	1.000	1.000	1370	91.5	NO
10	1.2.3.4.7.8-PeCDF	1.28e7	6.11e5	1.55	1.56	NO	1.1352	30.72	30.72	NO	1.001	1.000	1390	92.7	NO
11	1.2.3.4.7.8-HxCDF	7.85e6	5.60e5	1.24	1.20	NO	0.9556	33.33	33.32	NO	1.000	1.000	1460	97.1	NO
12	1.2.3.6.7.8-HxCDF	8.48e6	6.56e5	1.24	1.22	NO	0.9043	33.47	33.46	NO	1.001	1.000	1430	95.3	NO
13	1.2.3.4.6.7.8-HpCDF	7.60e6	5.45e5	1.24	1.21	NO	0.9608	34.12	34.11	NO	1.001	1.000	1450	96.7	NO
14	1.2.3.7.8.9-HxCDF	6.57e6	4.86e5	1.24	1.23	NO	0.9273	35.08	35.07	NO	1.000	1.001	1460	97.2	NO
15	1.2.3.4.6.7.8-HpCDF	5.26e6	3.75e5	1.04	1.01	NO	0.9585	36.80	36.59	NO	1.000	1.000	1470	98.2	NO
16	1.2.3.4.7.8.9-HpCDF	4.48e6	2.75e5	1.04	1.01	NO	1.0967	38.74	38.74	NO	1.000	1.000	1470	97.7	NO
17	OCDF	3.85e6	3.03e5	0.85	0.88	NO	0.7745	41.25	41.25	NO	1.000	1.000	2560	95.2	NO



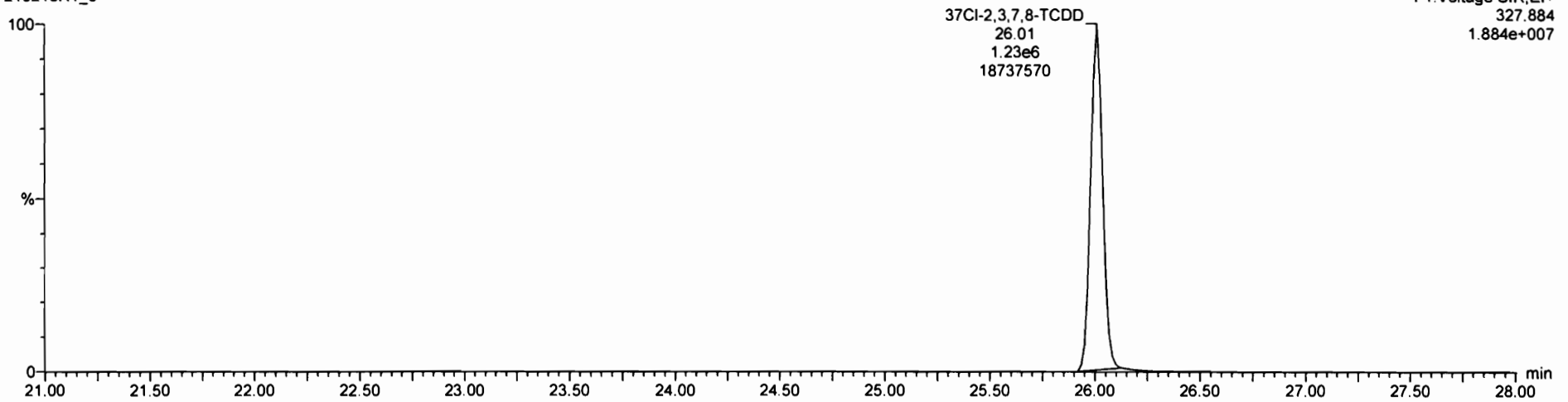
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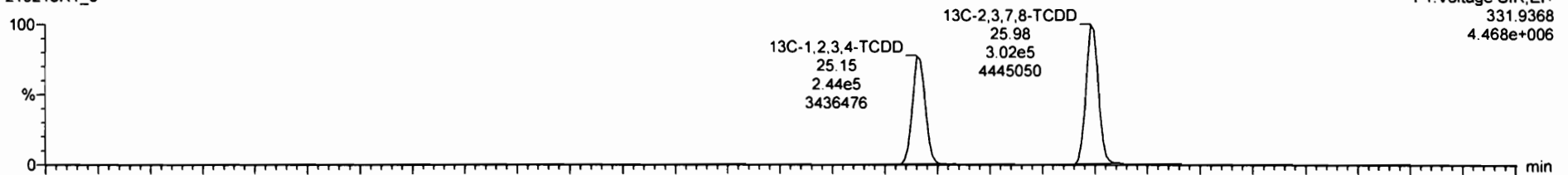
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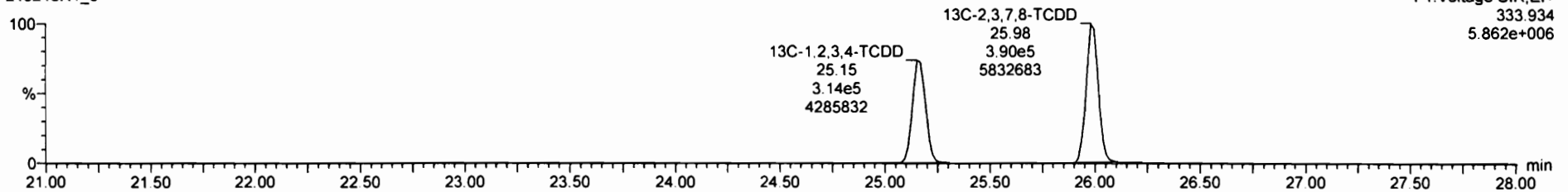


13C-1,2,3,4-TCDD

210218R1_6



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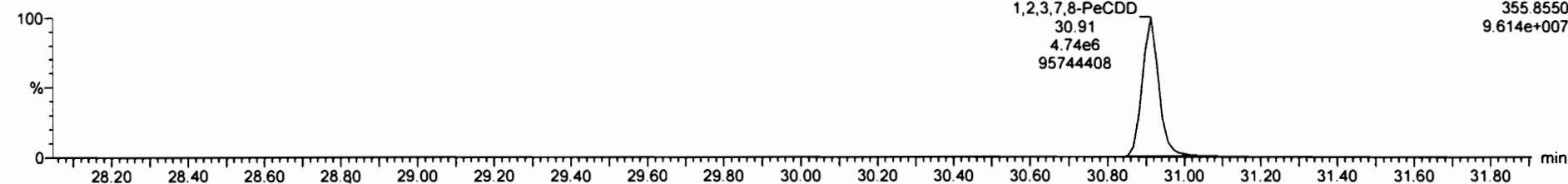
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1,2,3,7,8-PeCDD

210218R1_6



210218R1_6

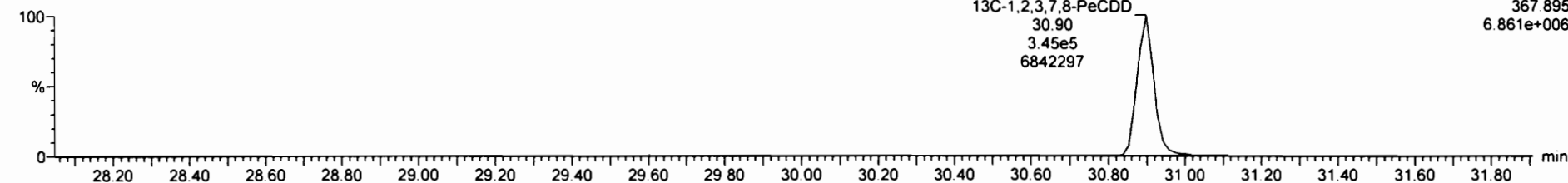


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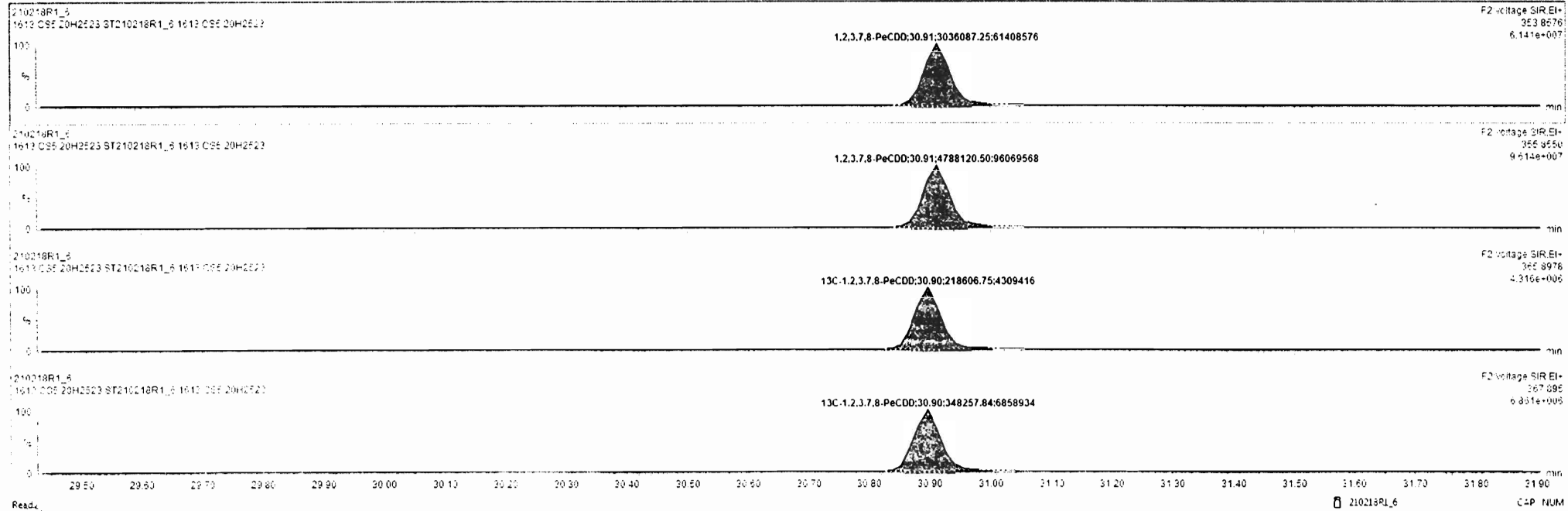
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210218R1_6



#	Name	Resp	IS Resp	Pred RA	RA	isy	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1.2.3.7.8-TCDD	2.12e6	7.01e5	0.77	0.78	NO	1.0067	28.91	28.91	NO	1.001	1.001	300	99.9	NO
2	1.2.3.7.8-PeCDD	7.82e6	5.67e5	0.63	0.63	NO	0.9952	30.93	30.91	NO	1.001	1.000	1390	92.5	NO
3	1.2.3.4.7.8-HxCDD	5.44e5	4.15e5	1.24	1.25	NO	1.0575	34.22	34.21	NO	1.001	1.000	1460	97.0	NO
4	1.2.3.6.7.8-HxCDD	5.45e5	4.75e5	1.24	1.25	NO	0.9404	34.34	34.33	NO	1.001	1.000	1440	96.0	NO
5	1.2.3.7.8.9-HxCDD	5.15e5	4.40e5	1.24	1.23	NO	0.9572	34.59	34.59	NO	1.000	1.000	1470	97.9	NO
6	1.2.3.4.6.7.8-HpCDD	4.05e5	2.94e5	1.04	1.03	NO	0.9601	38.97	38.97	NO	1.000	1.000	1450	96.5	NO
7	OCDD	7.49e5	5.71e5	0.85	0.88	NO	0.9117	40.97	40.98	NO	1.000	1.000	2580	95.8	NO
8	1.2.3.7.8-TCDF	2.54e5	1.07e5	0.77	0.75	NO	0.8039	25.34	25.27	NO	1.000	1.001	294	98.0	NO
9	1.2.3.7.8-PeCDF	1.27e7	5.28e5	1.55	1.54	NO	0.9645	29.60	29.62	NO	1.000	1.000	1370	91.5	NO
10	1.2.3.4.7.8-PeCDF	1.25e7	3.11e5	1.55	1.55	NO	1.1052	30.72	30.72	NO	1.001	1.000	1350	92.7	NO
11	1.2.3.4.7.8-HxCDF	7.65e5	5.55e5	1.24	1.20	NO	0.9555	33.23	33.23	NO	1.000	1.000	1460	97.1	NO
12	1.2.3.6.7.8-HxCDF	5.48e5	5.55e5	1.24	1.20	NO	0.9043	33.47	33.46	NO	1.001	1.000	1430	95.2	NO
13	1.2.3.4.6.7.8-HxCDF	7.50e5	5.45e5	1.24	1.21	NO	0.9608	34.10	34.11	NO	1.001	1.000	1450	96.7	NO
14	1.2.3.7.8.9-HxCDF	5.57e5	4.85e5	1.24	1.23	NO	0.9273	35.06	35.07	NO	1.000	1.001	1460	97.3	NO
15	1.2.3.4.6.7.8-HpCDF	5.25e5	3.75e5	1.04	1.01	NO	0.9585	38.60	38.59	NO	1.000	1.000	1470	98.3	NO
16	1.2.3.4.7.8.9-HpCDF	4.45e5	2.75e5	1.04	1.01	NO	1.0557	38.74	38.74	NO	1.000	1.000	1470	97.7	NO
17	OCDF	8.39e5	8.02e5	0.85	0.88	NO	0.7746	41.25	41.25	NO	1.000	1.000	2580	95.3	NO



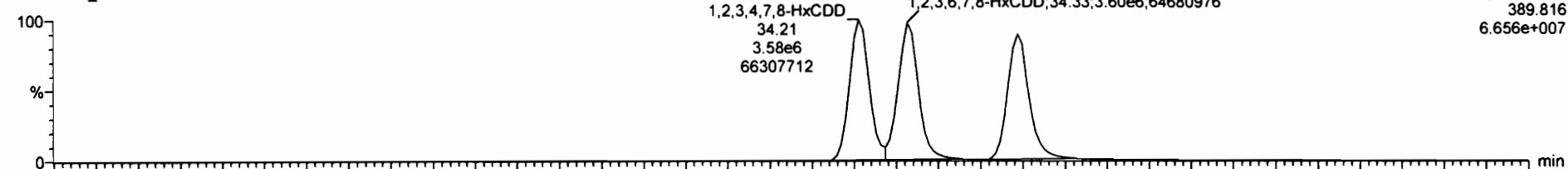
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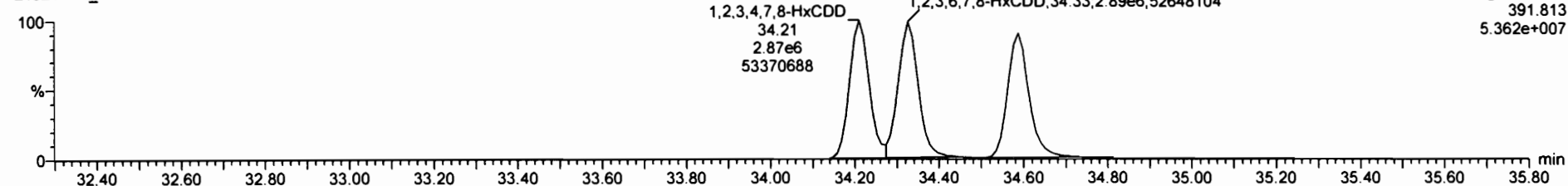
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1,2,3,4,7,8-HxCDD

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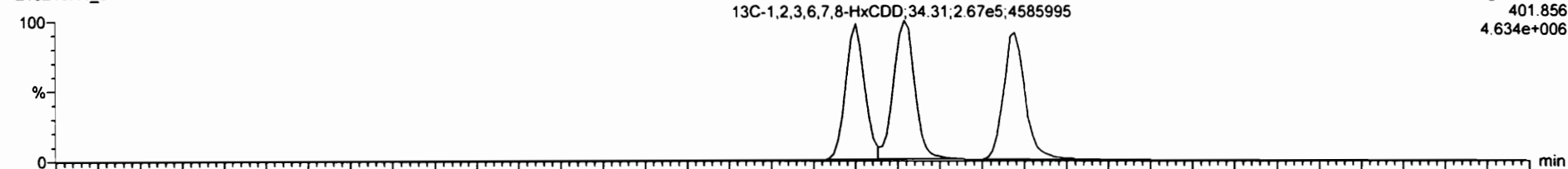


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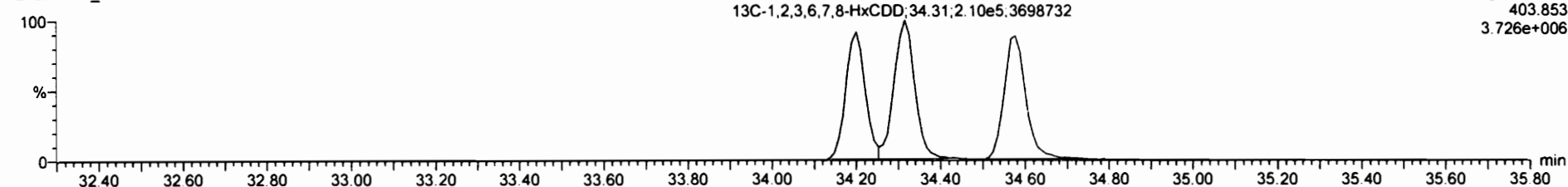


13C-1,2,3,4,7,8-HxCDD

210218R1_6



210218R1_6



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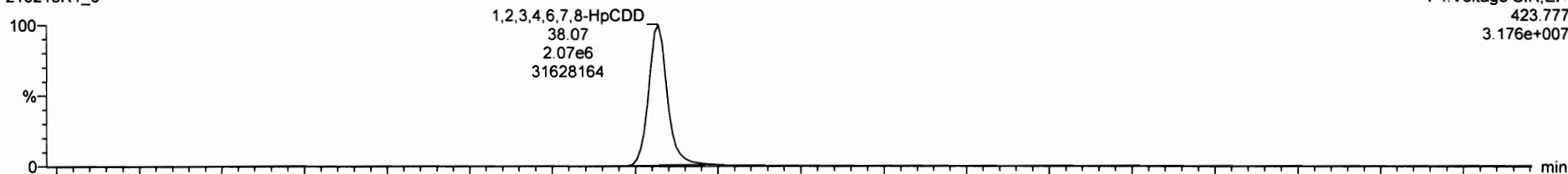
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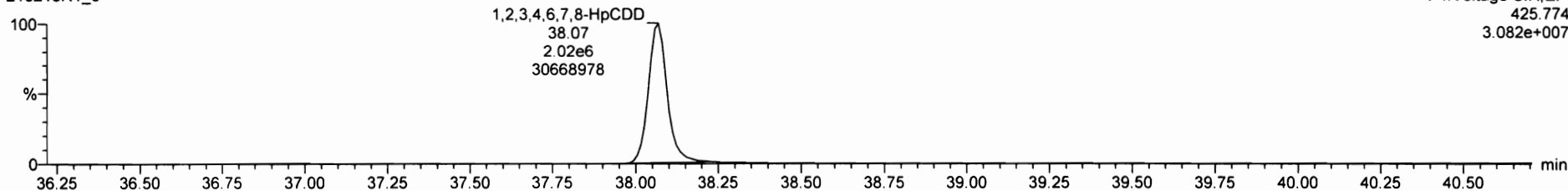
1,2,3,4,6,7,8-HpCDD

210218R1_6



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3.176e+007

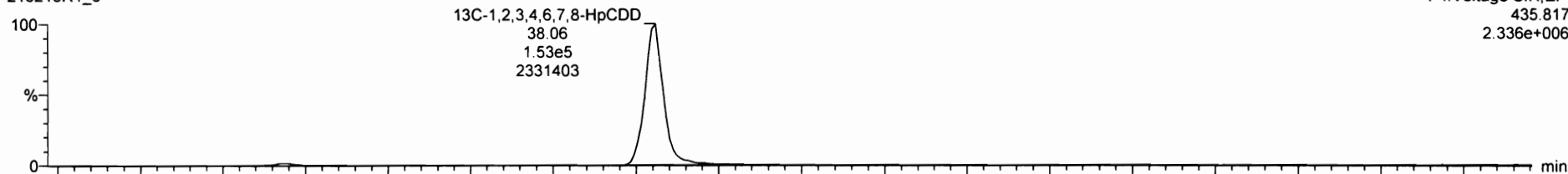
210218R1_6



F4:Voltage SIR,EI+
425.774
3.082e+007

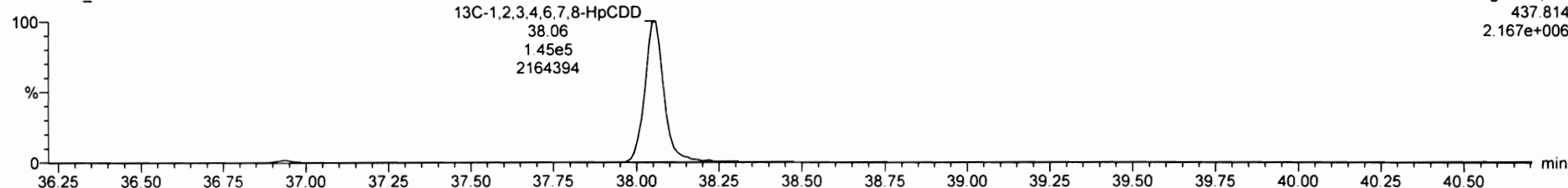
13C-1,2,3,4,6,7,8-HpCDD

210218R1_6



F4:Voltage SIR,EI+
435.817
2.336e+006

210218R1_6



F4:Voltage SIR,EI+
437.814
2.167e+006

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Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time

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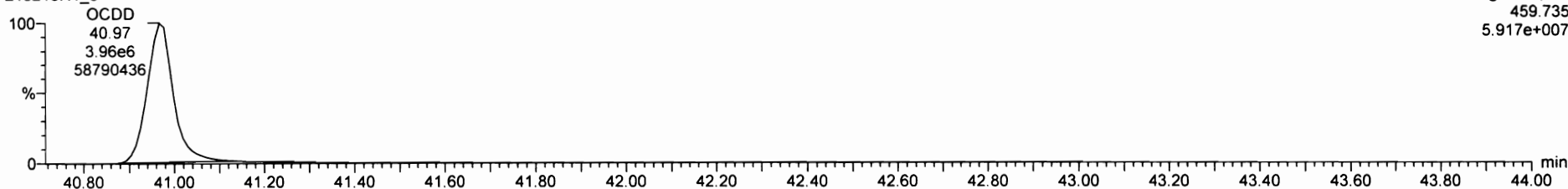
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OCDD

210218R1_6

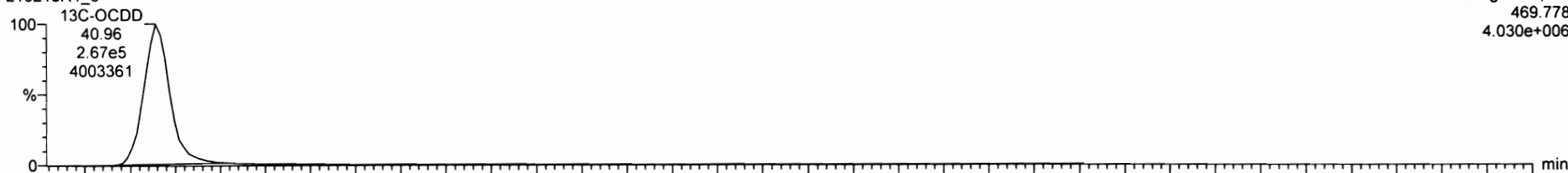


210218R1_6

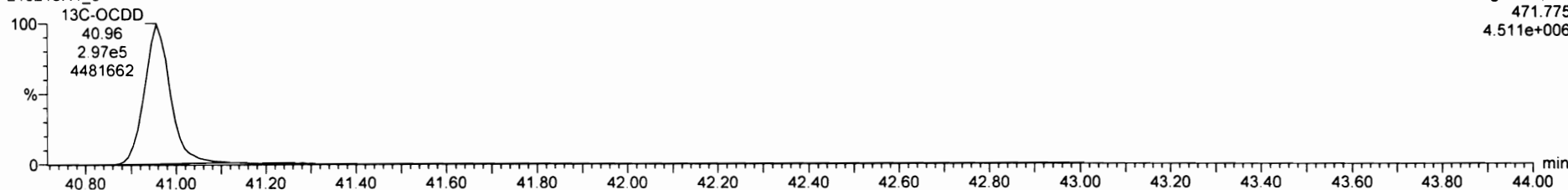


13C-OCDD

210218R1_6

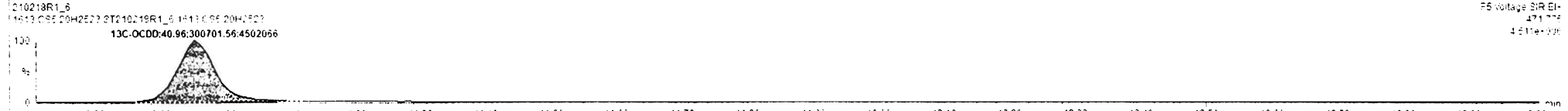
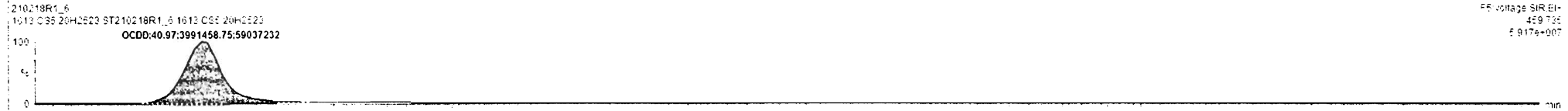


210218R1_6



210218R1_6 - ST210218R1_6 1613 CS5 20H2523 - 1613 CS5 20H2523

#	Name	Resp	S Resp	Pred RA	RA	ny	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1.2.3.8-OCDD	2.12e6	7.01eE	0.77	0.78	NO	1.0087	25.01	25.01	NO	1.001	1.001	300	99.9	1.0
2	1.2.3.7.8-PeCDD	7.82eE	6.67eE	0.63	0.63	NO	0.9952	30.93	30.91	NO	1.001	1.000	1390	92.5	NO
3	1.2.3.4.7.8-HxCDD	6.44eE	4.18eE	1.24	1.25	NO	1.0575	34.22	34.21	NO	1.001	1.000	1460	97.0	NO
4	1.2.3.6.7.8-HxCDD	6.43eE	4.79eE	1.24	1.25	NO	0.9404	34.34	34.23	NO	1.001	1.000	1440	96.0	NO
5	1.2.3.7.8.9-HxCDD	6.19eE	4.40eE	1.24	1.22	NO	0.9572	34.59	34.59	NO	1.000	1.000	1470	97.9	NO
6	1.2.3.4.6.7.8-HpCDD	4.08eE	2.94eE	1.04	1.03	NO	0.9601	36.07	36.07	NO	1.000	1.000	1450	96.5	NO
7	OCDD	7.48e6	5.71e5	0.89	0.88	NO	0.9117	40.97	40.88	NO	1.000	1.000	2880	95.8	NO
8	1.2.3.8-OCDF	2.54eE	1.07eE	0.77	0.75	NO	0.8029	25.24	25.27	NO	1.000	1.001	294	98.0	NO
9	1.2.3.7.8-PeCDF	1.27e7	9.28eE	1.55	1.54	NO	0.9945	29.60	29.52	NO	1.000	1.000	1370	91.5	NO
10	1.2.3.4.7.8-PeCDF	1.22e7	8.11eE	1.55	1.56	NO	1.1352	30.72	30.72	NO	1.001	1.000	1390	92.7	NO
11	1.2.3.4.7.8-HxCDF	7.85eE	5.50eE	1.24	1.20	NO	0.9556	33.33	33.33	NO	1.000	1.000	1460	97.1	NO
12	1.2.3.6.7.8-HxCDF	8.48eE	6.56eE	1.24	1.22	NO	0.9043	33.47	33.46	NO	1.001	1.000	1420	95.2	NO
13	1.2.3.4.7.8-HxCDF	7.85eE	5.45eE	1.24	1.21	NO	0.9608	34.12	34.11	NO	1.001	1.000	1450	96.7	NO
14	1.2.3.7.8.9-HxCDF	6.57eE	4.59eE	1.24	1.22	NO	0.9272	35.08	35.07	NO	1.000	1.001	1460	97.3	NO
15	1.2.3.4.6.7.8-HpCDF	5.25eE	3.75eE	1.04	1.01	NO	0.9565	36.60	36.59	NO	1.000	1.000	1470	98.3	NO
16	1.2.3.4.7.8.9-HpCDF	4.48eE	2.79eE	1.04	1.01	NO	1.0957	38.74	38.74	NO	1.000	1.000	1470	97.7	NO
17	OCDF	2.85eE	3.02eE	0.85	0.88	NO	0.7746	41.25	41.25	NO	1.000	1.000	2850	95.3	NO



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Last Altered: Friday, February 19, 2021 9:33:10 AM Pacific Standard Time

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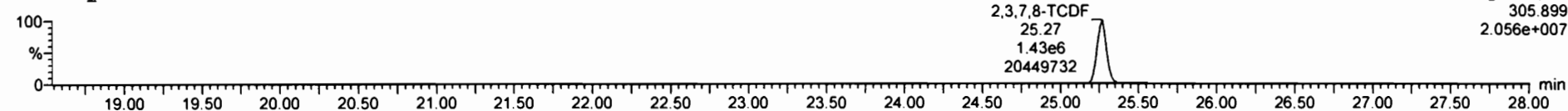
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2,3,7,8-TCDF

210218R1_6

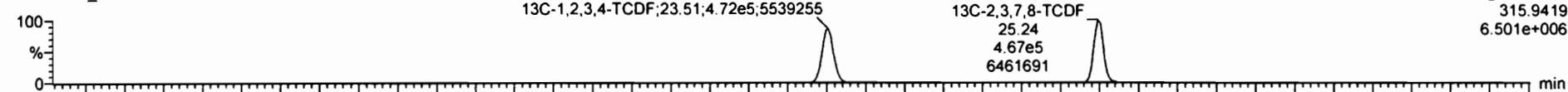


210218R1_6

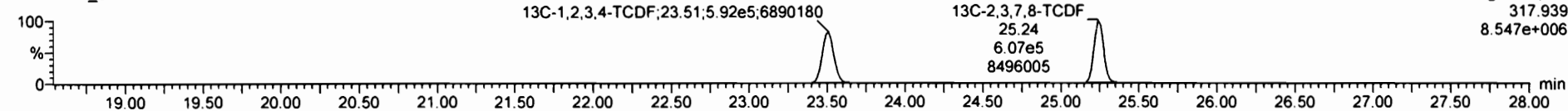


13C-2,3,7,8-TCDF

210218R1_6

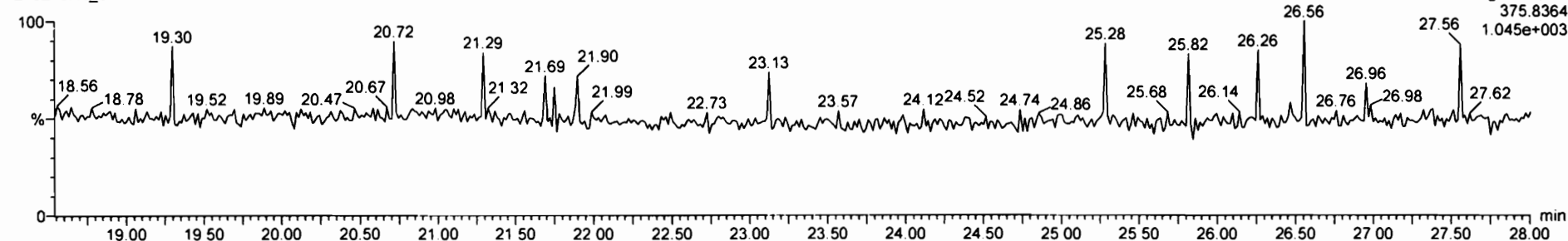


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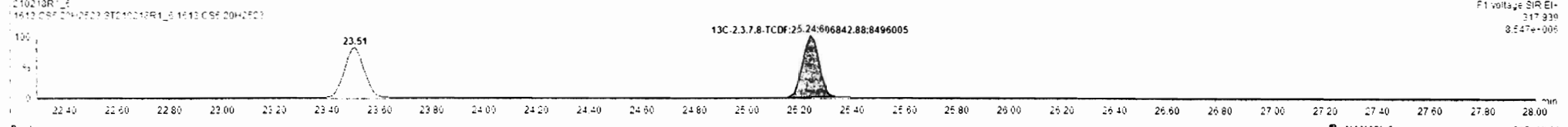
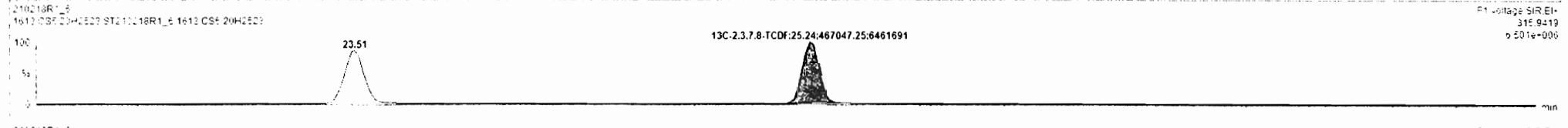
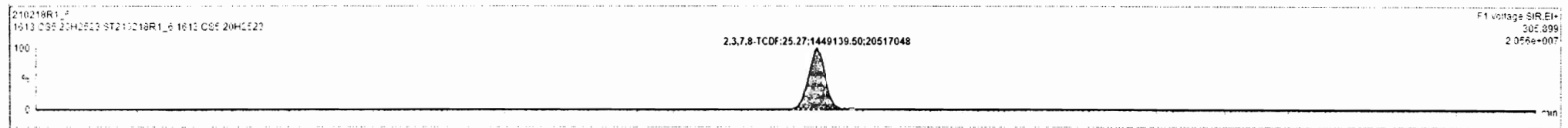
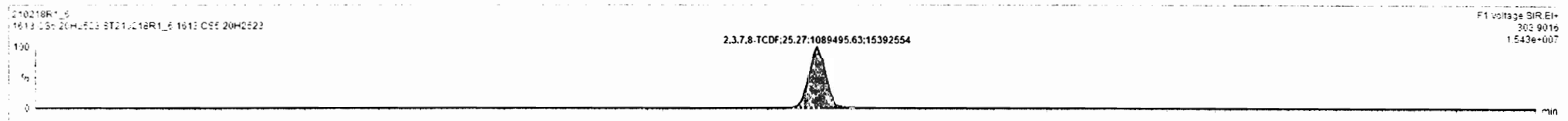
DPE1

210218R1_6



210218R1_6 - ST210218R1_6 1613 CS5 20H2523 - 1613 CS5 20H2523

#	Name	Resp	IS Resp	Pred RA	RA	nly	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc.	%Rec	STD out
1	1 2.3.7.8-TCDD	2.15e5	7.01e5	0.77	0.78	NO	1.0067	25.21	25.21	NO	1.001	1.001	300	99.9	NO
2	2 1.2.3.7.8-PeCDD	7.52e5	5.67e5	0.83	0.83	NO	0.9952	30.93	30.91	NO	1.001	1.000	1390	92.5	NO
3	3 1.2.3.4.7.8-HxCDD	6.44e5	4.18e5	1.24	1.25	NO	1.0575	34.22	34.21	NO	1.001	1.000	1460	97.0	NO
4	4 1.2.3.6.7.8-HxCDD	6.45e5	4.75e5	1.24	1.25	NO	0.9404	34.34	34.33	NO	1.001	1.000	1440	96.0	NO
5	5 1.2.3.7.8.9-HxCDD	6.19e5	4.40e5	1.24	1.23	NO	0.9572	34.55	34.59	NO	1.000	1.000	1470	97.9	NO
6	6 1.2.3.4.6.7.8-HpCDD	4.05e5	2.94e5	1.04	1.03	NO	0.9601	35.07	35.07	NO	1.000	1.000	1450	96.5	NO
7	7 OCDD	7.45e5	5.71e5	0.85	0.88	NO	0.9117	40.97	40.98	NO	1.000	1.000	2850	95.8	NO
8	8 2.3.7.8-TCDF	2.54e6	1.07e6	0.77	0.75	NO	0.8039	25.24	25.27	NO	1.000	1.001	294	98.0	NO
9	9 1.2.3.7.8-PeCDF	1.27e7	9.28e5	1.55	1.54	NO	0.9545	32.80	32.62	NO	1.000	1.000	1370	91.5	NO
10	10 2.3.4.7.8-PeCDF	1.28e7	8.11e5	1.55	1.56	NO	1.1352	30.72	30.72	NO	1.001	1.000	1390	92.7	NO
11	11 1.2.3.4.7.8-HxCDF	7.85e5	5.50e5	1.24	1.20	NO	0.9555	33.33	33.33	NO	1.000	1.000	1460	97.1	NO
12	12 1.2.3.6.7.8-HxCDF	3.45e5	6.55e5	1.24	1.22	NO	0.9043	33.47	33.46	NO	1.001	1.000	1430	96.0	NO
13	13 2.3.4.6.7.8-HxCDF	7.60e5	5.45e5	1.24	1.21	NO	0.9608	34.12	34.11	NO	1.001	1.000	1450	96.7	NO
14	14 1.2.3.7.8.9-HxCDF	6.57e5	4.86e5	1.24	1.22	NO	0.9273	35.06	35.07	NO	1.000	1.001	1460	97.3	NO
15	15 1.2.3.4.6.7.8-HpCDF	5.23e5	3.75e5	1.04	1.01	NO	0.9555	35.60	35.59	NO	1.000	1.000	1470	98.0	NO
16	16 1.2.3.4.7.8.9-HpCDF	4.48e5	2.79e5	1.04	1.01	NO	1.0957	36.74	36.74	NO	1.000	1.000	1470	97.7	NO
17	17 OCDF	6.65e5	8.03e5	0.85	0.85	NO	0.7745	41.25	41.25	NO	1.000	1.000	2850	95.3	NO



Dataset: Untitled

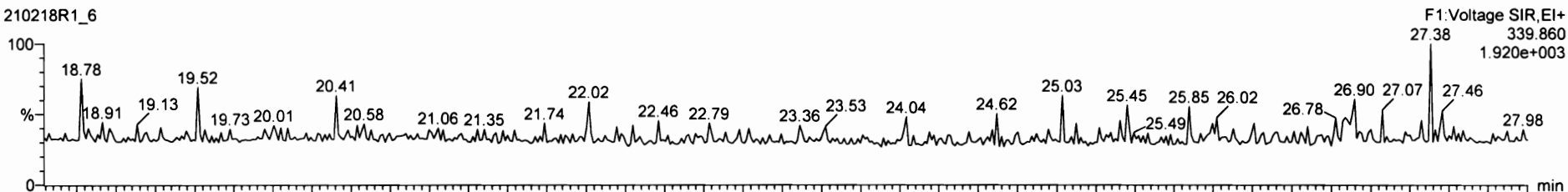
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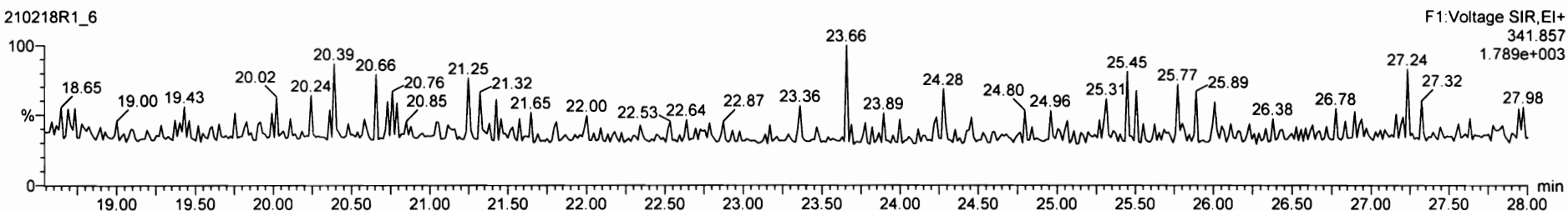
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1st Func. Penta-Furans

210218R1_6

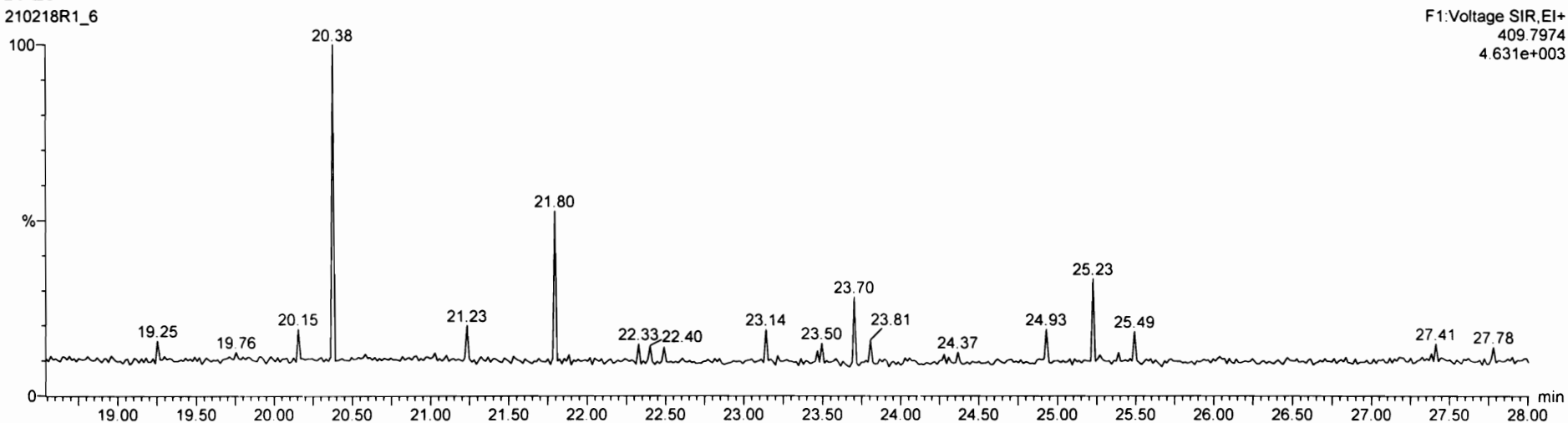


210218R1_6



DPE6

210218R1_6



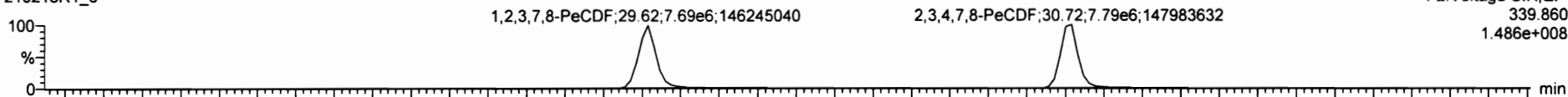
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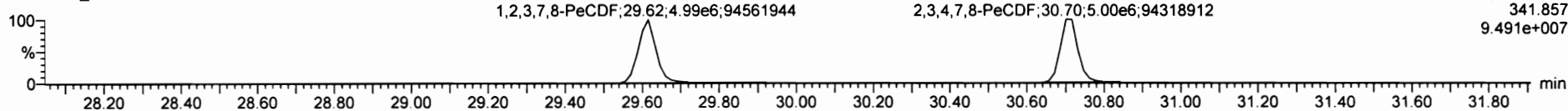
1,2,3,7,8-PeCDF

210218R1_6



F2: Voltage SIR, EI+
339.860
1.486e+008

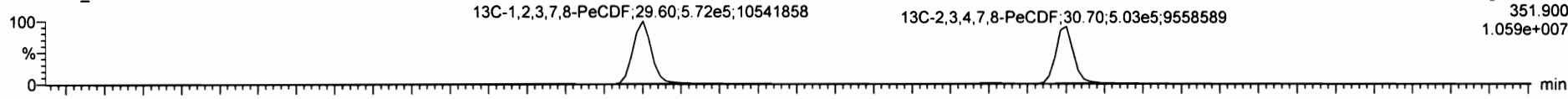
210218R1_6



F2: Voltage SIR, EI+
341.857
9.491e+007

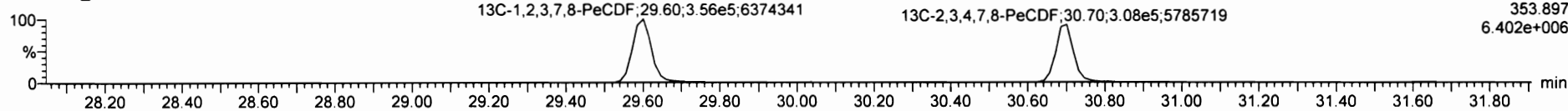
13C-1,2,3,7,8-PeCDF

210218R1_6



F2: Voltage SIR, EI+
351.900
1.059e+007

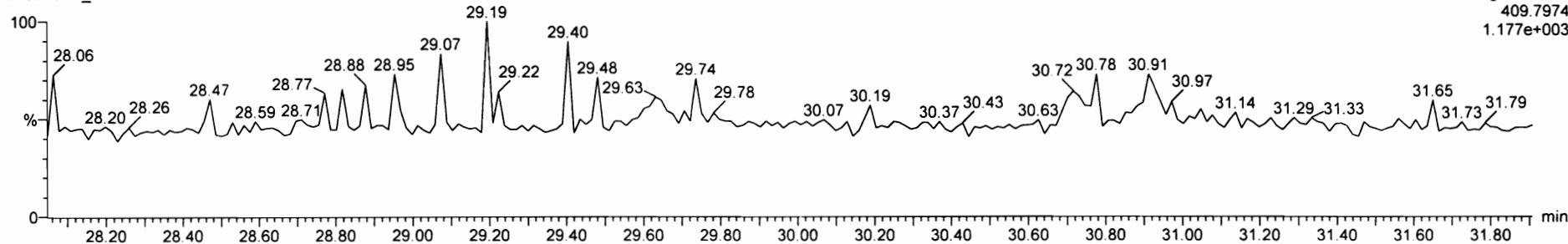
210218R1_6



F2: Voltage SIR, EI+
353.897
6.402e+006

DPE2

210218R1_6



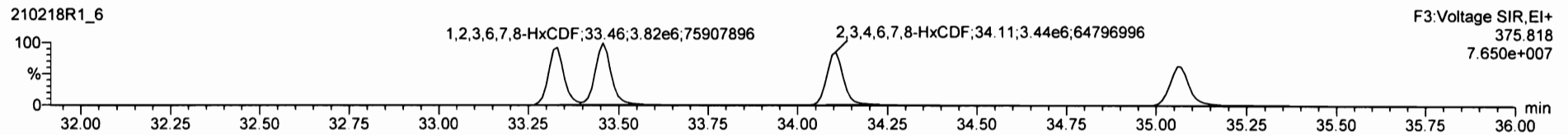
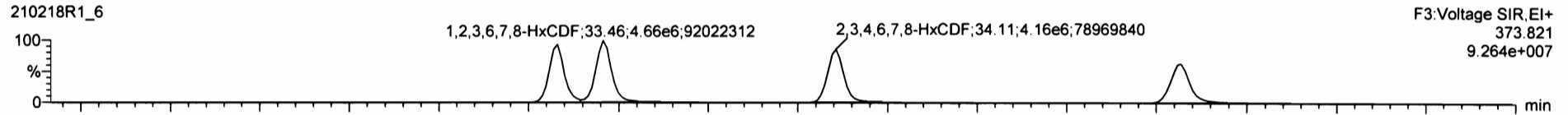
F2: Voltage SIR, EI+
409.7974
1.177e+003

Dataset: Untitled

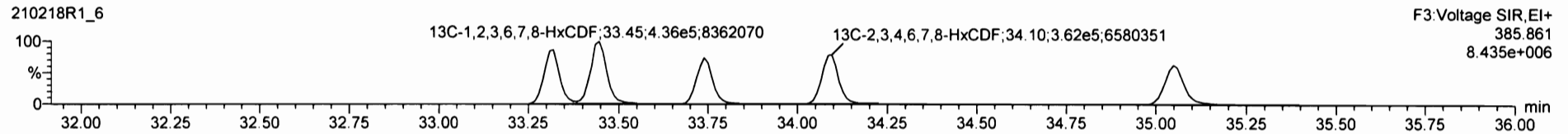
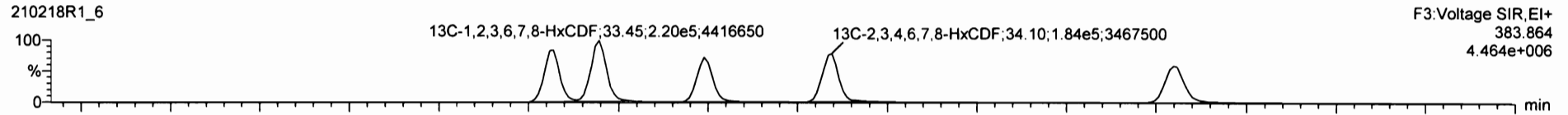
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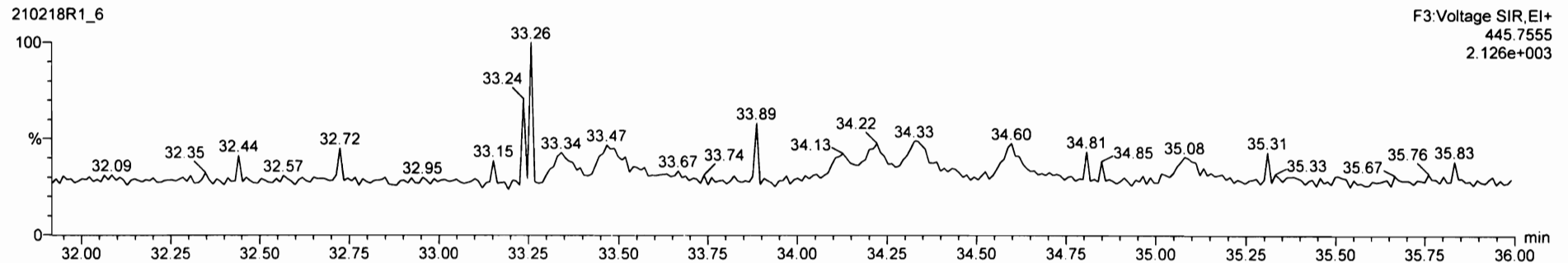
1,2,3,4,7,8-HxCDF



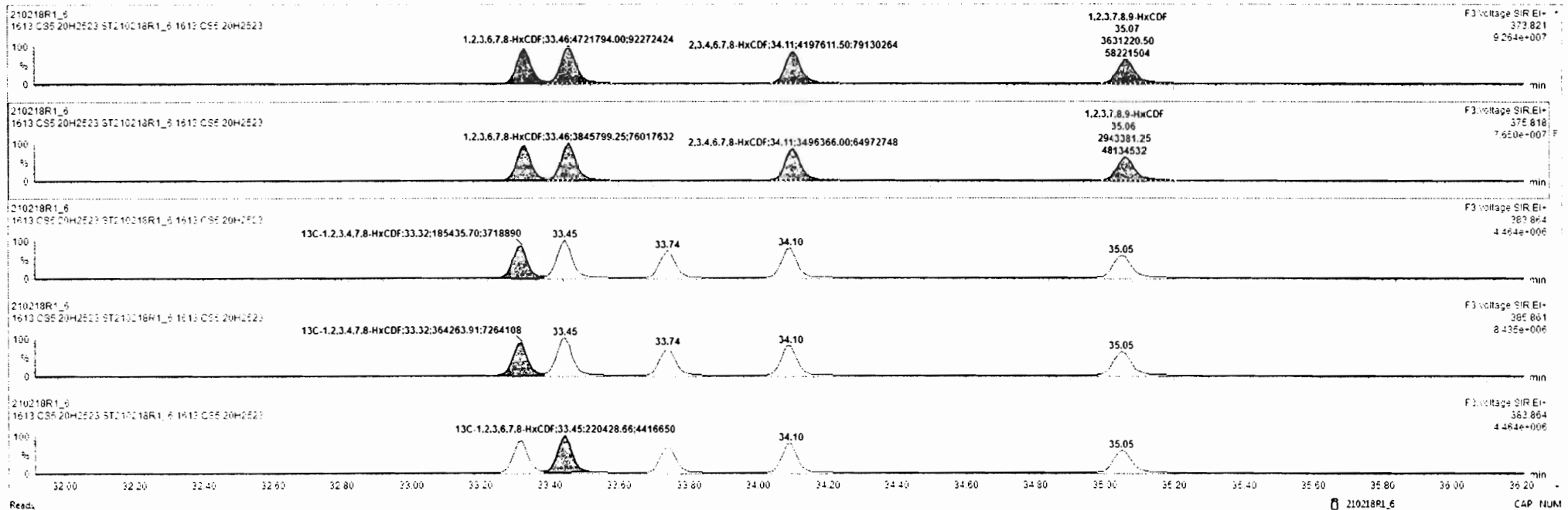
13C-1,2,3,4,7,8-HxCDF



DPE3



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RRF	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
33	13C-1,2,3,4,7,8,9-HxCDF	2.76e5	4.91e5	0.44	0.42	N/D	0.4752	38.50	38.73	NO	1.152	1.148	120	120	N/D
34	13C-DCCDF	9.03e5	4.91e5	0.39	0.89	N/D	0.8320	41.65	41.24	NO	1.235	1.222	259	129	N/D
35	3,7,8,9-TCDF	1.22e6	5.69e5				1.0367	25.95	26.01	NO	1.023	1.024	213	105	N/D
36	13C-1,2,3,4-TCDF	5.56e5	5.69e5	0.77	0.78	N/D	1.0000	25.21	25.15	NO	1.000	1.000	100	100	N/D
37	13C-1,2,3,4-TCDF	1.06e5	1.06e5	0.77	0.80	N/D	1.0000	23.55	23.51	NO	1.000	1.000	100	100	N/D
38	13C-1,2,3,4,6,8-HxCDF	4.91e5	4.91e5	0.51	0.50	N/D	1.0000	23.85	23.74	NO	1.000	1.000	100	100	N/D
39	Total Tetra-Dioxins		7.01e5				1.0027	24.82		NO	0.000		305		N/D
40	Total Penta-Dioxins		5.67e5				0.9952	26.96		NO	0.000		1390		N/D
41	Total Hexa-Dioxins		0.00e0				0.9404	27.83		NO	0.000		4370		N/D
42	Total Hepta-Dioxins		2.94e5				0.9501	27.54		NO	0.000		1450		N/D
43	Total Tetra-Furans		1.07e5				0.8025	23.81		NO	0.000		296		N/D
44	Total Penta-Furans		0.00e0				0.9945	26.93		NO	0.000				N/D
45	Total Hexa-Furans		0.00e0				0.9545	29.27		NO	0.000		2750		N/D
46	Total Hepta-Furans		0.00e0				0.9627	33.56		NO	0.000		5830		N/D
47	Total Octa-Furans		0.00e0				0.9552	27.83		NO	0.000		2950		N/D
48	PFK1														
49	PFK2														



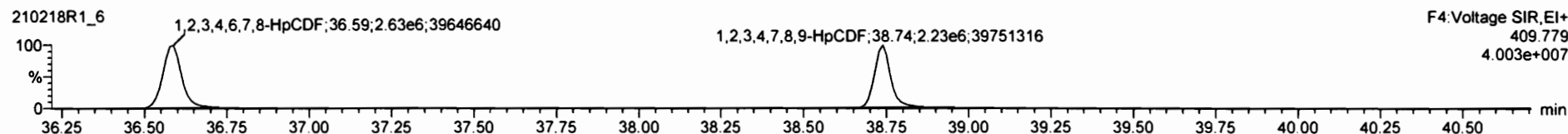
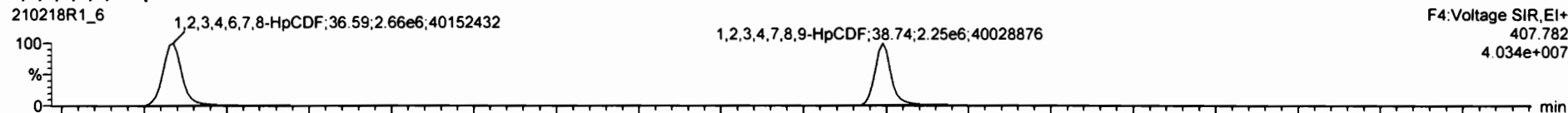
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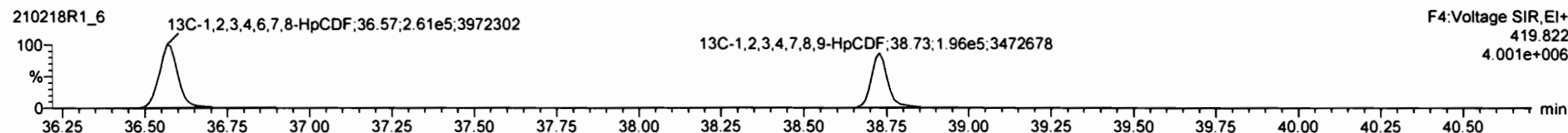
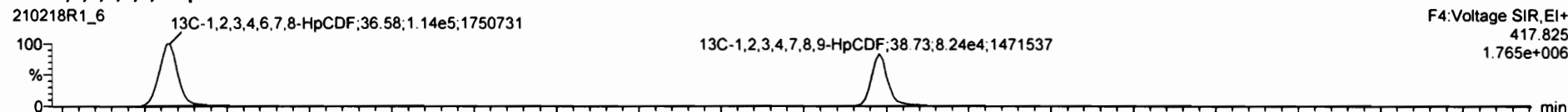
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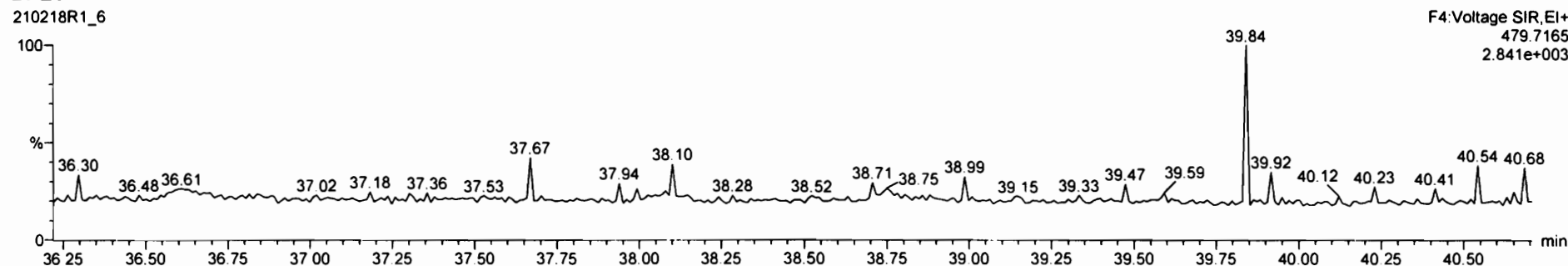
1,2,3,4,6,7,8-HpCDF



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



DPE4



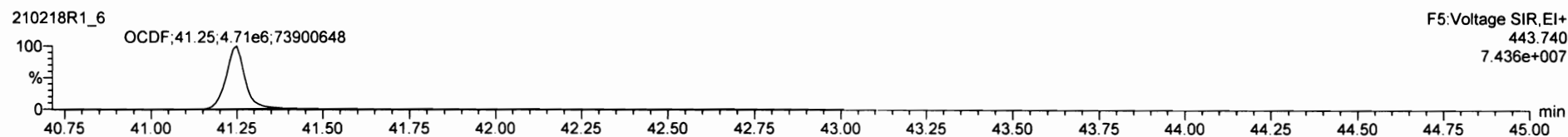
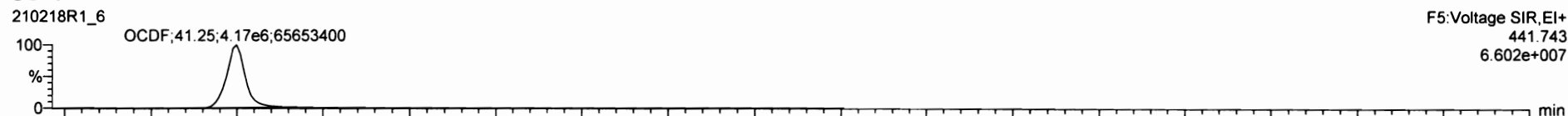
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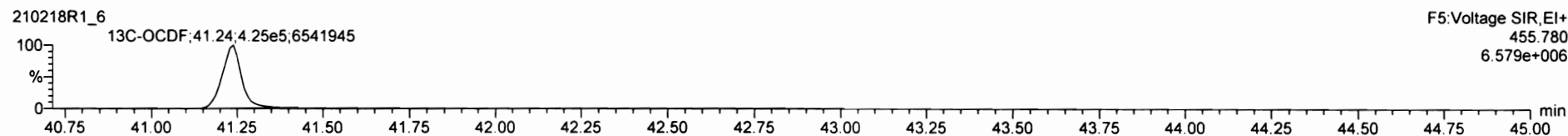
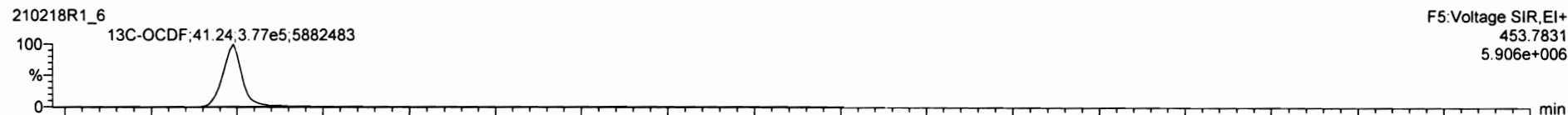
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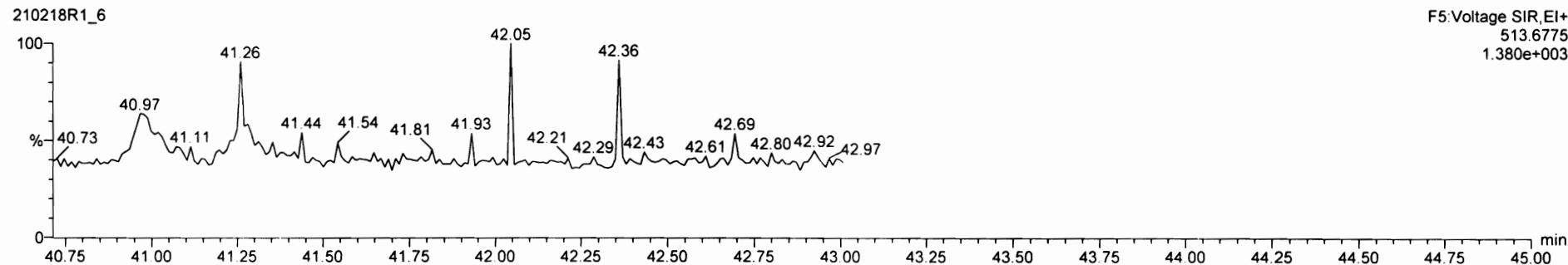
OCDF



13C-OCDF



DPE5

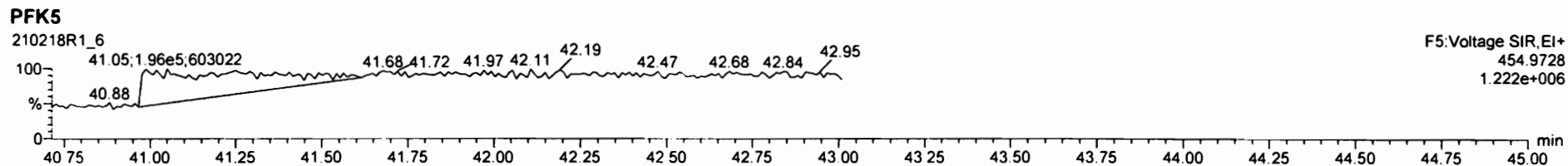
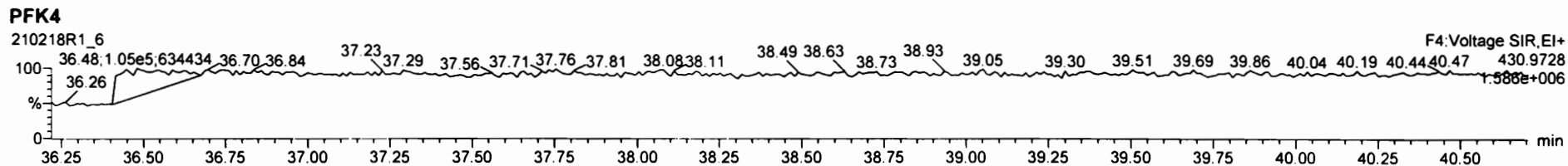
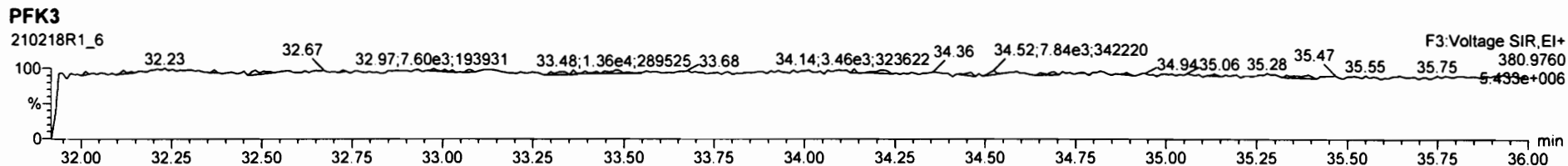
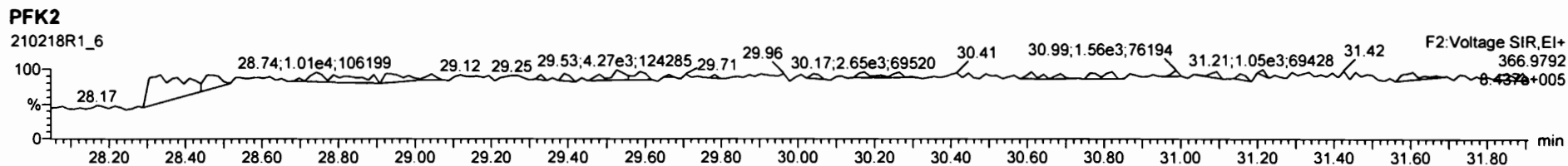
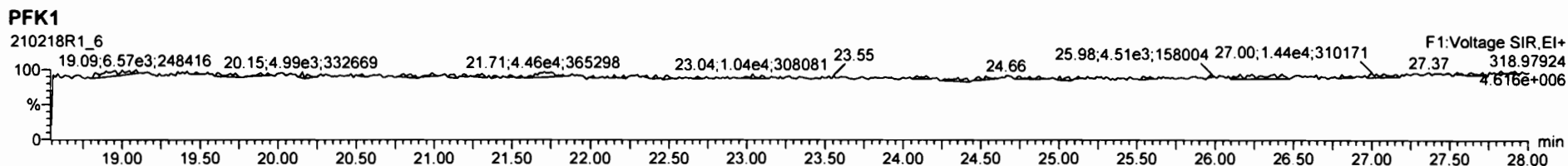


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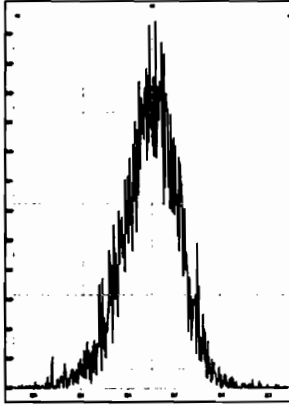
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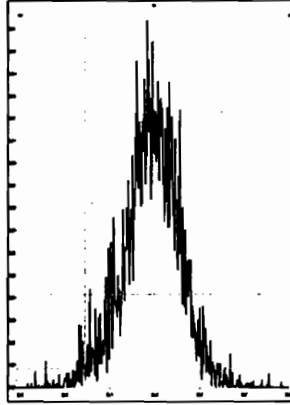
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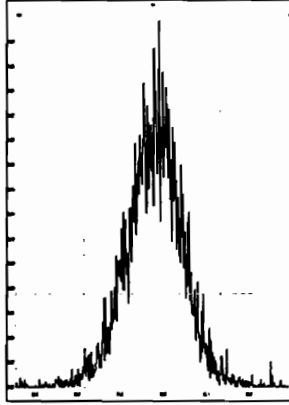
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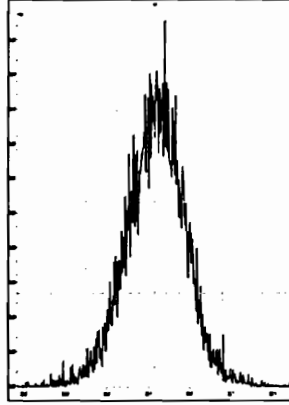
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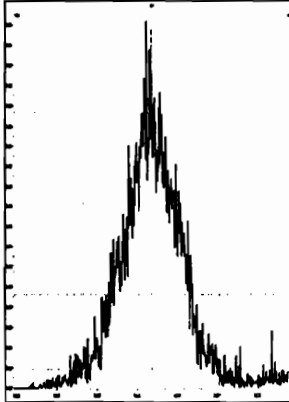
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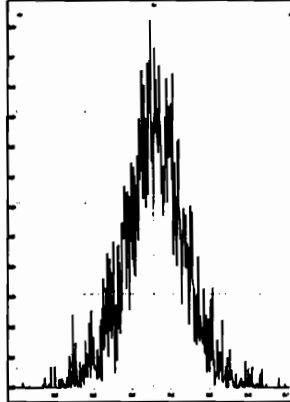
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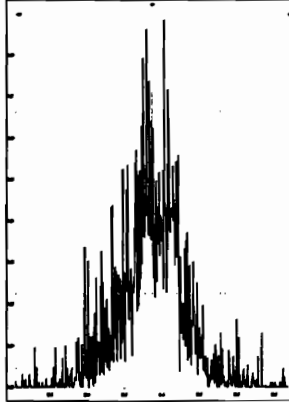
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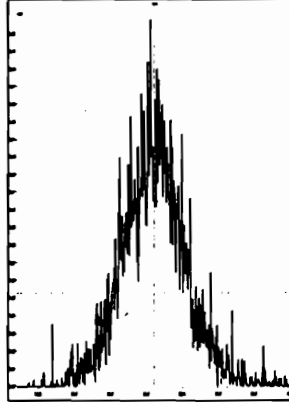
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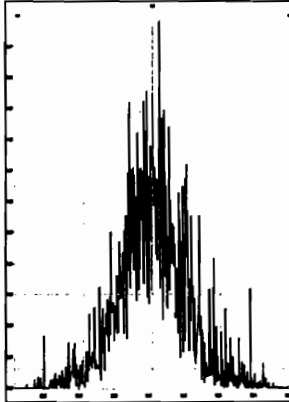
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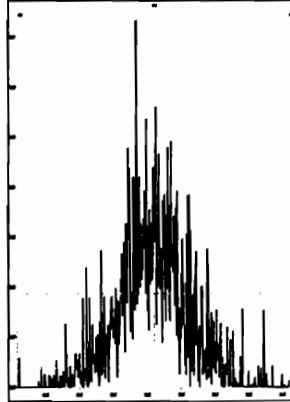
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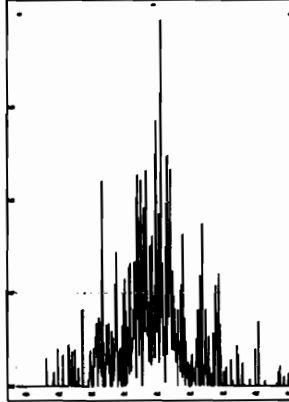
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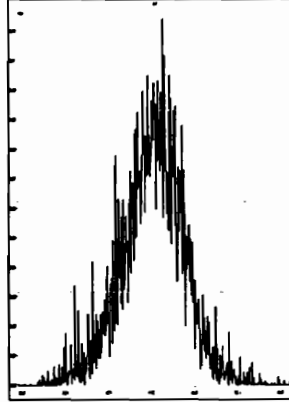
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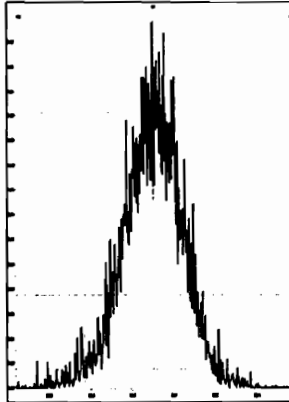
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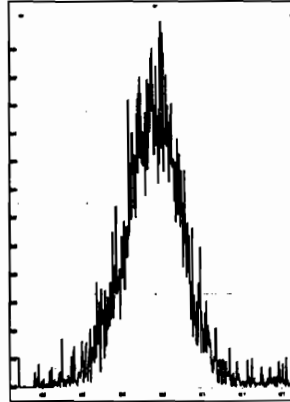
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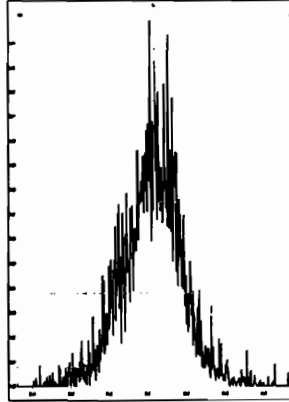
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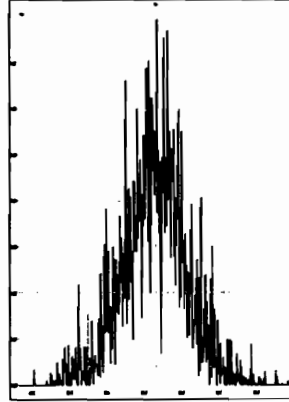
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M 354.9792 R 13193

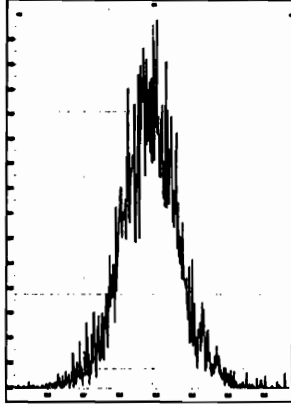


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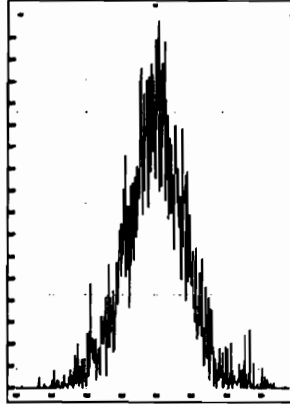


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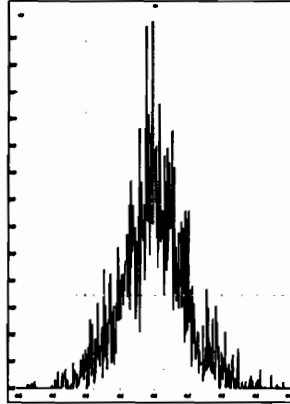
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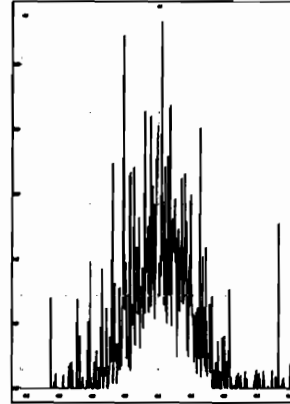
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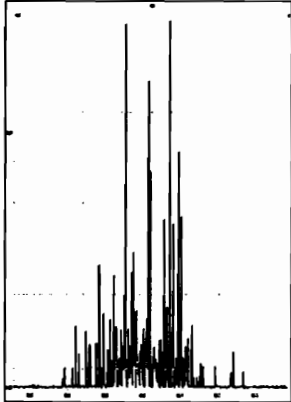
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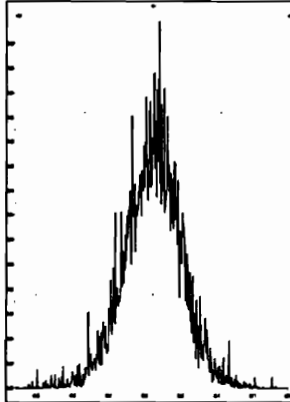
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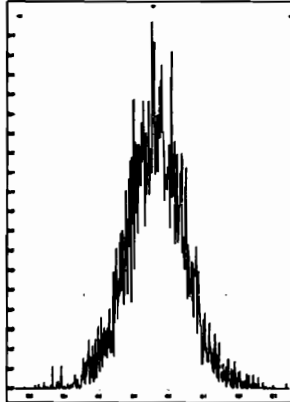
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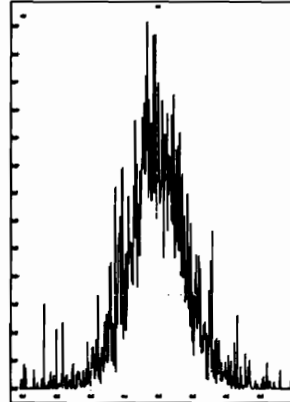
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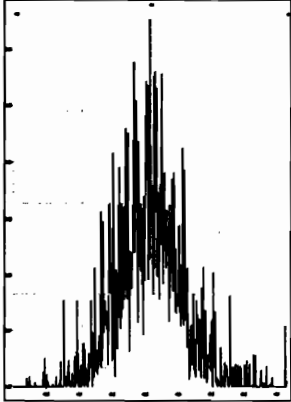
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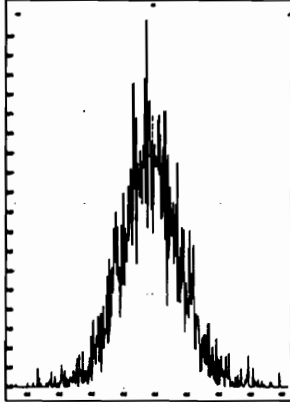
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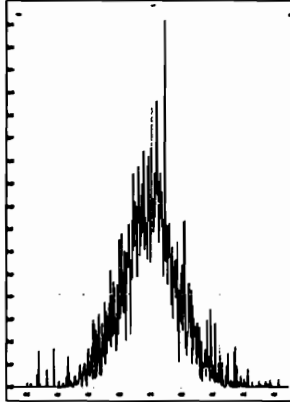
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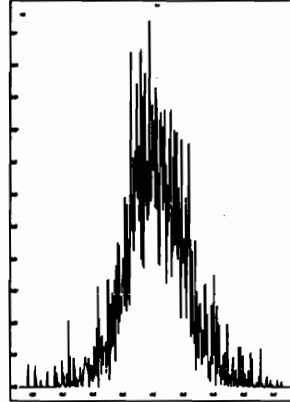
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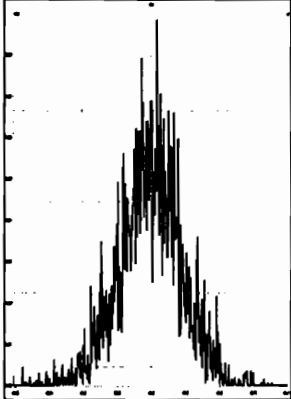
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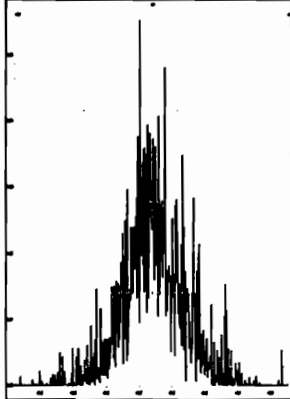
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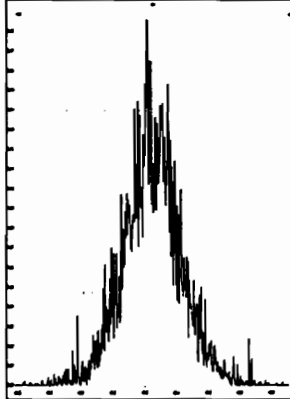
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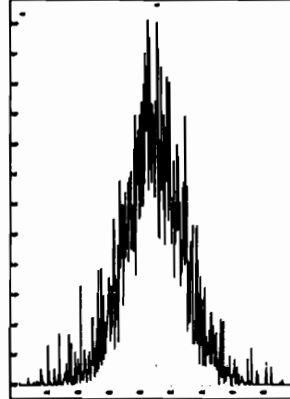
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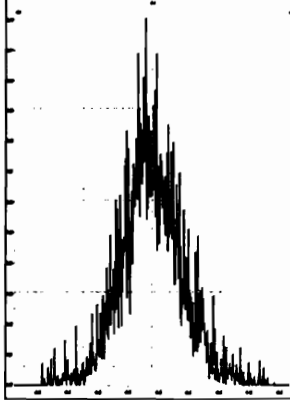


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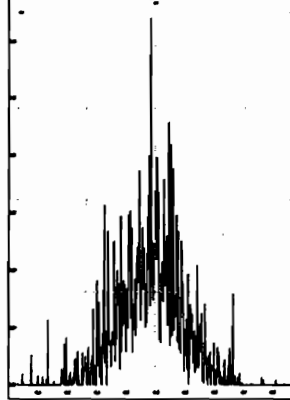


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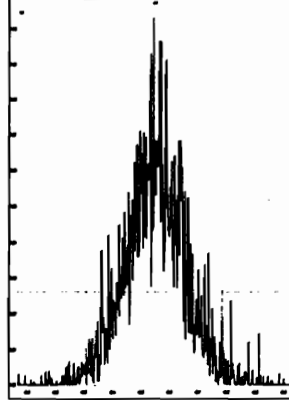
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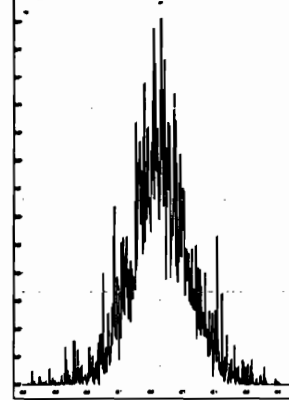
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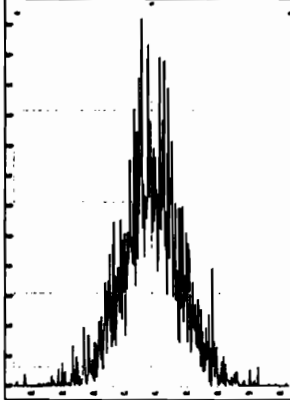
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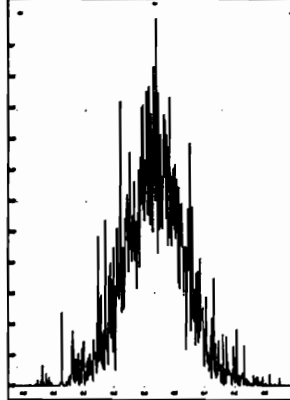
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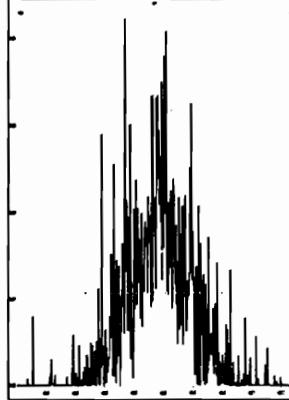
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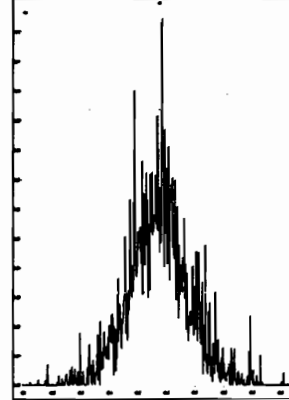
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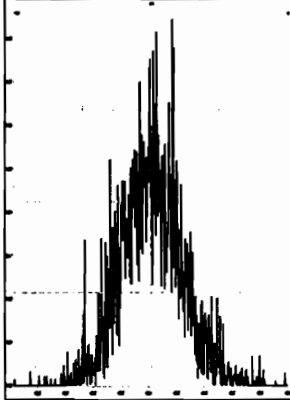
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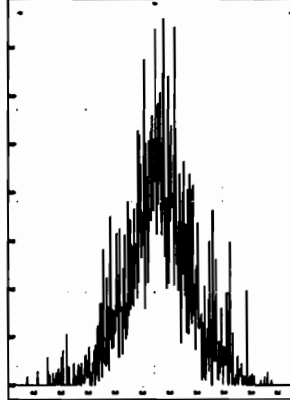
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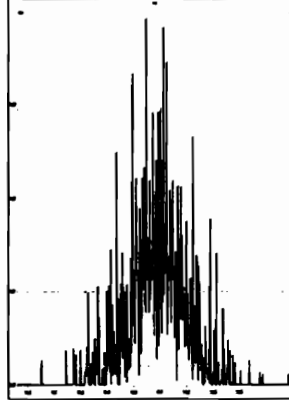
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Last Altered: Friday, February 19, 2021 11:41:55 AM Pacific Standard Time
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DF0219/21

HC 2-19-2021

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Calibration: U:\VG12.PRO\CurveDB\ldbDIOXIN_1613vg12-2-18-21.cdb 19 Feb 2021 10:40:51

Name: 210218R1_8, Date: 18-Feb-2021, Time: 14:34:09, ID: SS210218R1_1 1613 SSS20H2524, Description: 1613 SSS 20H2524

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1	1 2,3,7,8-TCDD	5.84e4	0.80	NO	1.01	1.000	26.011	26.01	1.001	1.001	9.7474	97.5	0.0386	9.75
2	2 1,2,3,7,8-PeCDD	1.97e5	0.64	NO	0.995	1.000	30.928	30.90	1.001	1.000	49.833	99.7	0.0733	49.8
3	3 1,2,3,4,7,8-HxCDD	1.43e5	1.28	NO	1.06	1.000	34.210	34.20	1.001	1.000	51.084	102	0.178	51.1
4	4 1,2,3,6,7,8-HxCDD	1.60e5	1.25	NO	0.940	1.000	34.325	34.31	1.001	1.000	54.165	108	0.188	54.2
5	5 1,2,3,7,8,9-HxCDD	1.43e5	1.27	NO	0.957	1.000	34.577	34.58	1.000	1.000	51.845	104	0.211	51.8
6	6 1,2,3,4,6,7,8-HpCDD	8.44e4	1.01	NO	0.960	1.000	38.047	38.06	1.000	1.001	48.201	96.4	0.299	48.2
7	7 OCDD	1.61e5	0.87	NO	0.912	1.000	40.943	40.96	1.000	1.001	101.09	101	0.412	101
8	8 2,3,7,8-TCDF	7.39e4	0.76	NO	0.804	1.000	25.243	25.27	1.000	1.001	9.4681	94.7	0.0295	9.47
9	9 1,2,3,7,8-PeCDF	3.18e5	1.59	NO	0.994	1.000	29.588	29.60	1.000	1.001	47.018	94.0	0.0838	47.0
10	10 2,3,4,7,8-PeCDF	3.61e5	1.57	NO	1.14	1.000	30.707	30.70	1.001	1.000	52.311	105	0.0692	52.3
11	11 1,2,3,4,7,8-HxCDF	1.97e5	1.22	NO	0.956	1.000	33.320	33.32	1.000	1.000	52.859	106	0.167	52.9
12	12 1,2,3,6,7,8-HxCDF	2.14e5	1.21	NO	0.906	1.000	33.456	33.45	1.001	1.000	50.386	101	0.155	50.4
13	13 2,3,4,6,7,8-HxCDF	1.95e5	1.23	NO	0.963	1.000	34.095	34.10	1.001	1.001	51.369	103	0.179	51.4
14	14 1,2,3,7,8,9-HxCDF	1.55e5	1.21	NO	0.927	1.000	35.048	35.06	1.000	1.001	50.604	101	0.254	50.6
15	15 1,2,3,4,6,7,8-HpCDF	1.27e5	0.99	NO	0.957	1.000	36.574	36.58	1.000	1.001	49.717	99.4	0.286	49.7
16	16 1,2,3,4,7,8,9-HpCDF	1.02e5	1.01	NO	1.10	1.000	38.728	38.73	1.000	1.000	49.839	99.7	0.294	49.8
17	17 OCDF	1.85e5	0.88	NO	0.775	1.000	41.226	41.23	1.000	1.000	99.263	99.3	0.339	99.3
18	18 13C-2,3,7,8-TCDD	5.94e5	0.77	NO	1.15	1.000	25.979	25.98	1.033	1.033	95.810	95.8	0.123	
19	19 13C-1,2,3,7,8-PeCDD	3.97e5	0.64	NO	0.830	1.000	30.896	30.90	1.228	1.228	88.828	88.8	0.139	
20	20 13C-1,2,3,4,7,8-HxCDD	2.64e5	1.29	NO	0.703	1.000	34.215	34.19	1.014	1.013	86.918	86.9	0.251	
21	21 13C-1,2,3,6,7,8-HxCDD	3.14e5	1.26	NO	0.809	1.000	34.316	34.30	1.017	1.017	89.748	89.7	0.218	
22	22 13C-1,2,3,7,8,9-HxCDD	2.87e5	1.24	NO	0.733	1.000	34.593	34.57	1.025	1.025	90.645	90.6	0.241	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.82e5	1.05	NO	0.497	1.000	38.210	38.04	1.133	1.127	84.891	84.9	0.470	
24	24 13C-OCDD	3.49e5	0.91	NO	0.462	1.000	40.942	40.94	1.214	1.213	174.65	87.3	0.662	
25	25 13C-2,3,7,8-TCDF	9.72e5	0.79	NO	0.977	1.000	25.240	25.24	1.003	1.004	96.571	96.6	0.144	
26	26 13C-1,2,3,7,8-PeCDF	6.81e5	1.67	NO	0.759	1.000	29.591	29.59	1.176	1.176	87.085	87.1	0.223	
27	27 13C-2,3,4,7,8-PeCDF	6.09e5	1.61	NO	0.657	1.000	30.707	30.69	1.221	1.220	90.005	90.0	0.258	
28	28 13C-1,2,3,4,7,8-HxCDF	3.91e5	0.50	NO	0.950	1.000	33.301	33.31	0.987	0.987	95.128	95.1	0.346	
29	29 13C-1,2,3,6,7,8-HxCDF	4.69e5	0.53	NO	1.10	1.000	33.429	33.44	0.991	0.991	98.885	98.9	0.299	
30	30 13C-2,3,4,6,7,8-HxCDF	3.94e5	0.52	NO	0.957	1.000	34.097	34.07	1.011	1.010	95.271	95.3	0.343	
31	31 13C-1,2,3,7,8,9-HxCDF	3.31e5	0.51	NO	0.821	1.000	35.082	35.04	1.040	1.038	93.400	93.4	0.401	

Dataset: U:\VG12.PRO\Results\210218R1\210218R1-8.qld

Last Altered: Friday, February 19, 2021 11:41:55 AM Pacific Standard Time

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Name: 210218R1_8, Date: 18-Feb-2021, Time: 14:34:09, ID: SS210218R1_1 1613 SSS20H2524, Description: 1613 SSS 20H2524

#	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	2.66e5	0.43	NO	0.663	1.000	36.644	36.56	1.086	1.083	92.902	92.9	0.424	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.87e5	0.41	NO	0.475	1.000	38.905	38.72	1.153	1.148	91.180	91.2	0.592	
34	34 13C-OCDF	4.81e5	0.87	NO	0.632	1.000	41.664	41.22	1.235	1.222	176.24	88.1	0.530	
35	35 37Cl-2,3,7,8-TCDD	5.51e4			1.04	1.000	25.989	26.01	1.033	1.034	9.8364	98.4	0.0137	
36	36 13C-1,2,3,4-TCDD	5.39e5	0.78	NO	1.00	1.000	25.210	25.15	1.000	1.000	100.00	100	0.142	
37	37 13C-1,2,3,4-TCDF	1.03e6	0.79	NO	1.00	1.000	23.550	23.51	1.000	1.000	100.00	100	0.141	
38	38 13C-1,2,3,4,6,9-HxCDF	4.32e5	0.51	NO	1.00	1.000	33.850	33.74	1.000	1.000	100.00	100	0.329	

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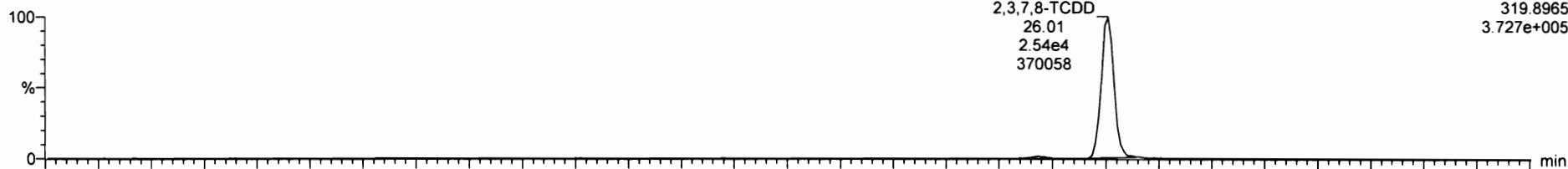
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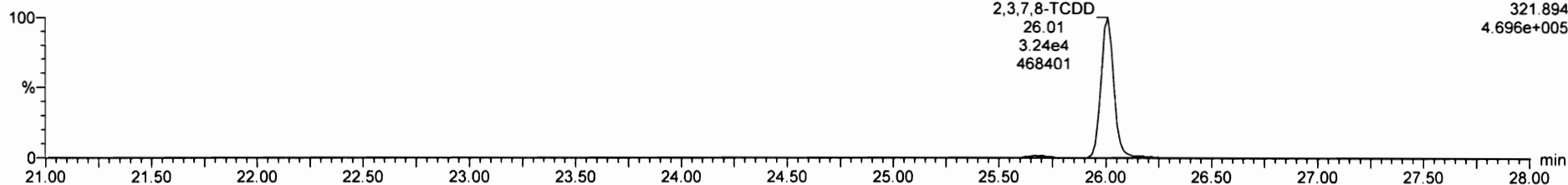
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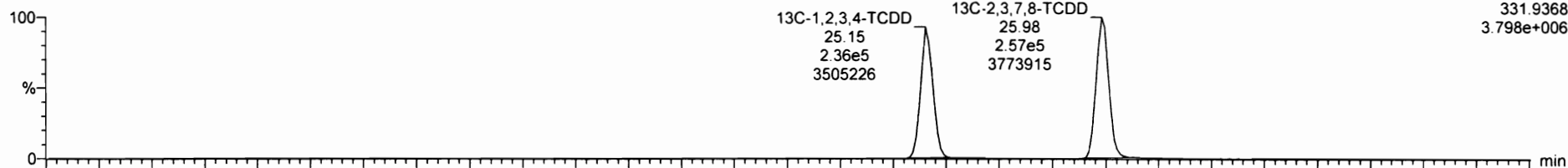


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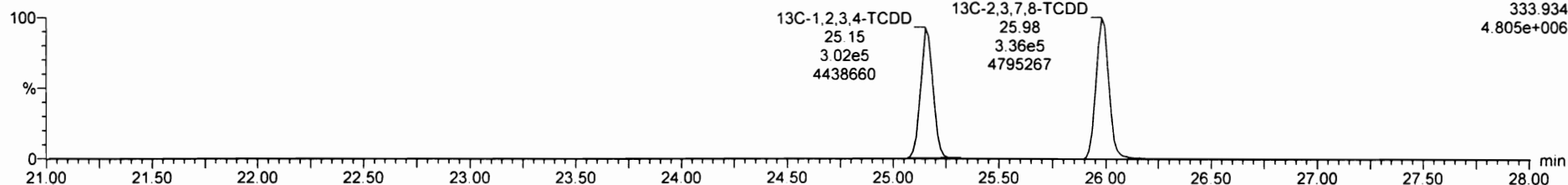


13C-2,3,7,8-TCDD

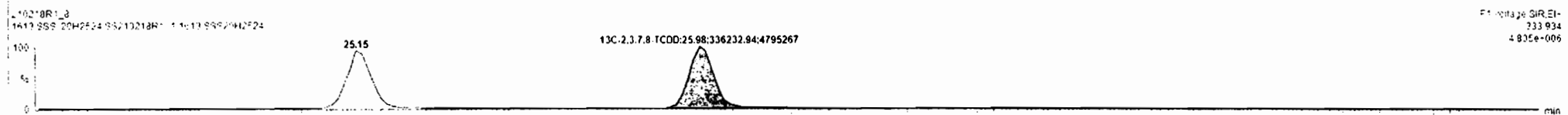
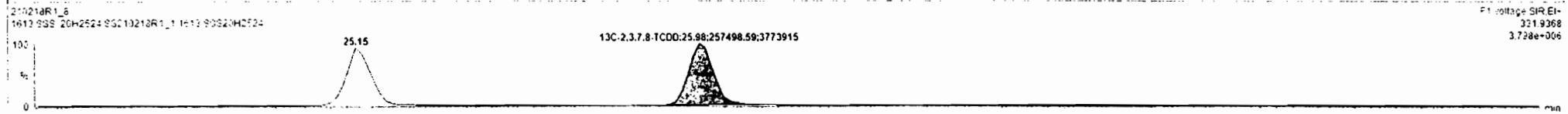
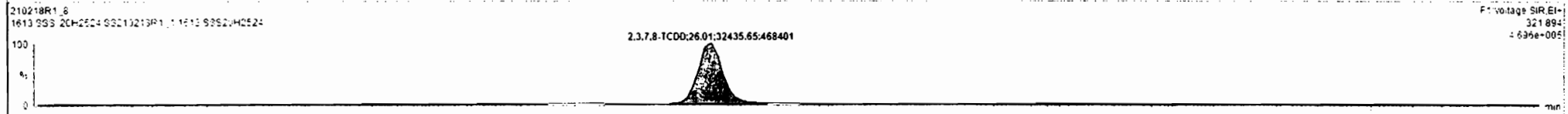
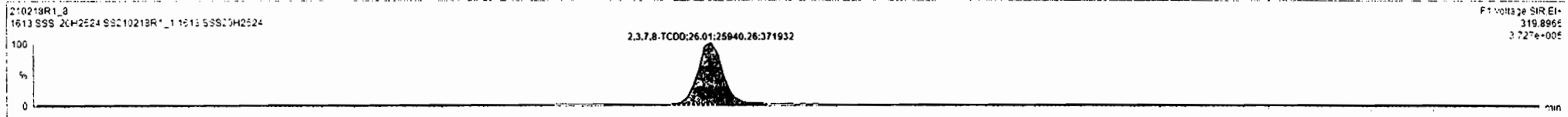
210218R1_8



210218R1_8



#	Name	RT
1	2,3,7,8-TCDD	26.01
2	1,2,3,7,8-PeCDD	30.90
3	1,2,3,4,7,8-HxCDD	34.20
4	1,2,3,6,7,8-HxCDD	34.21
5	1,2,3,7,8,9-HxCDD	34.58
6	1,2,3,4,6,7,8-HpCDD	38.06
7	OCDD	40.96
8	2,3,7,8-TCDF	25.27
9	1,2,3,7,8-PeCDF	26.50
10	2,3,4,7,8-PeCDF	26.70
11	1,2,3,4,7,8-HxCDF	27.22
12	1,2,3,6,7,8-HxCDF	33.45
13	2,3,4,6,7,8-HxCDF	34.10
14	1,2,3,7,8,9-HxCDF	35.06
15	1,2,3,4,6,7,8-HpCDF	36.50
16	1,2,3,4,7,8,9-HpCDF	38.73
17	OCDF	41.23



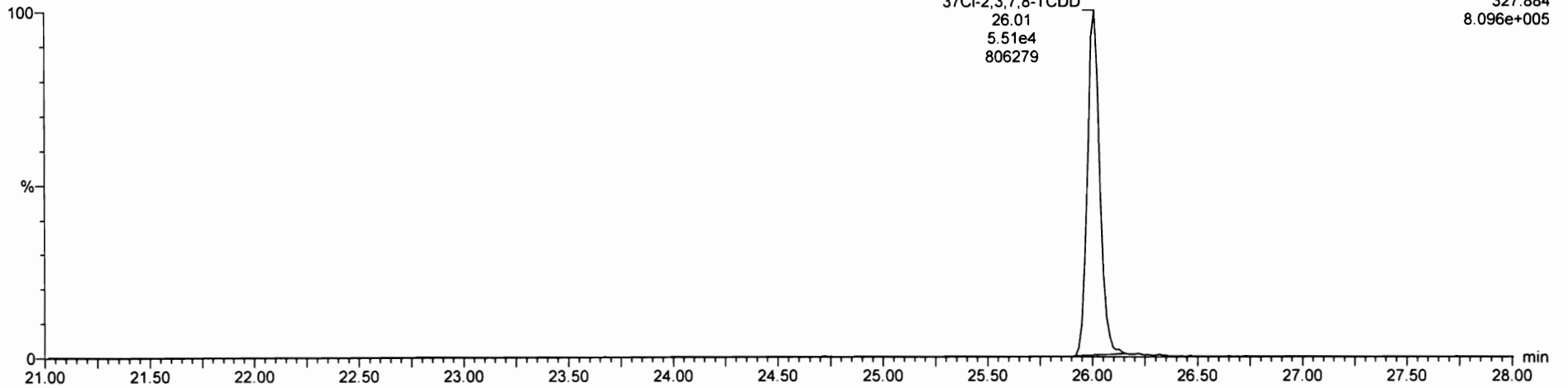
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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

Name: 210218R1_8, Date: 18-Feb-2021, Time: 14:34:09, ID: SS210218R1_1 1613 SSS20H2524, Description: 1613 SSS 20H2524

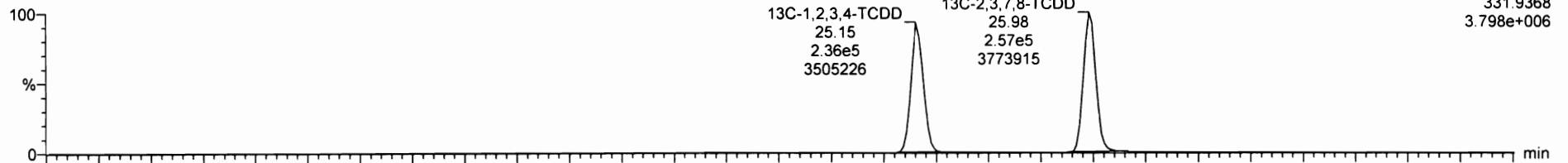
37Cl-2,3,7,8-TCDD

210218R1_8

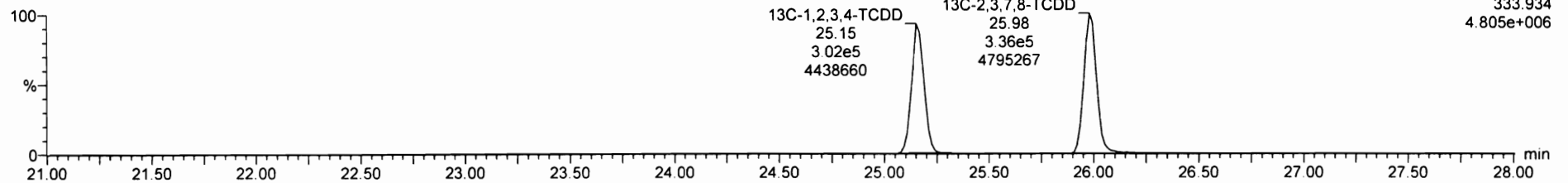


13C-1,2,3,4-TCDD

210218R1_8



210218R1_8



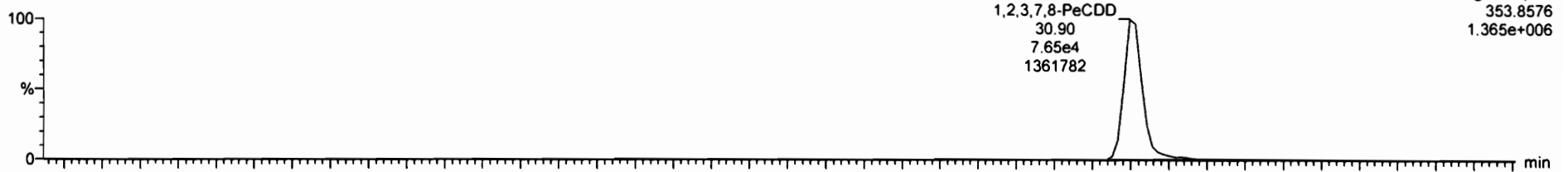
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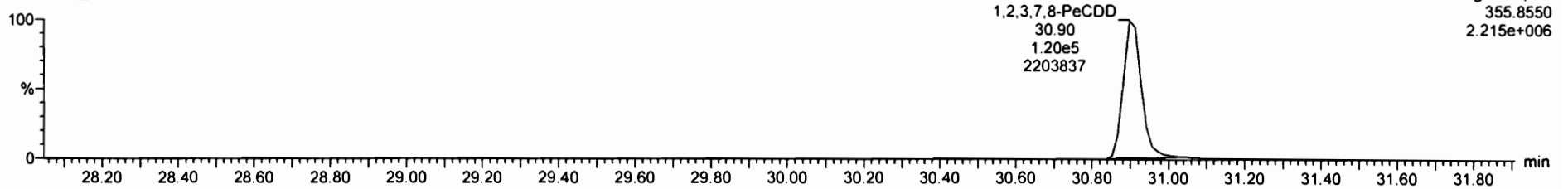
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1,2,3,7,8-PeCDD

210218R1_8

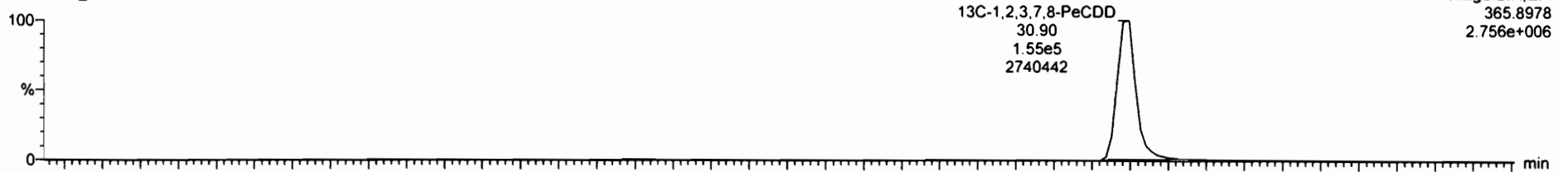


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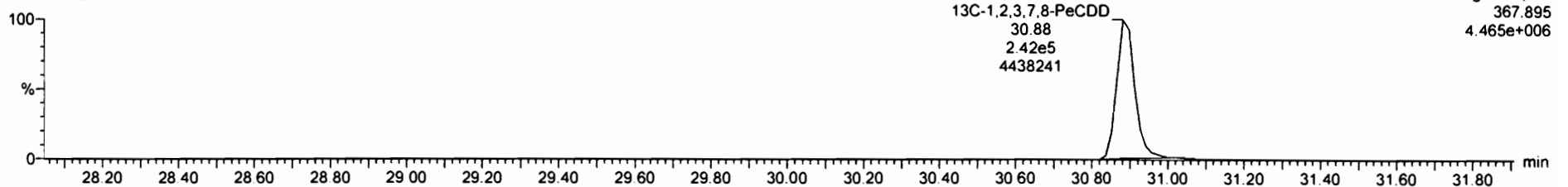


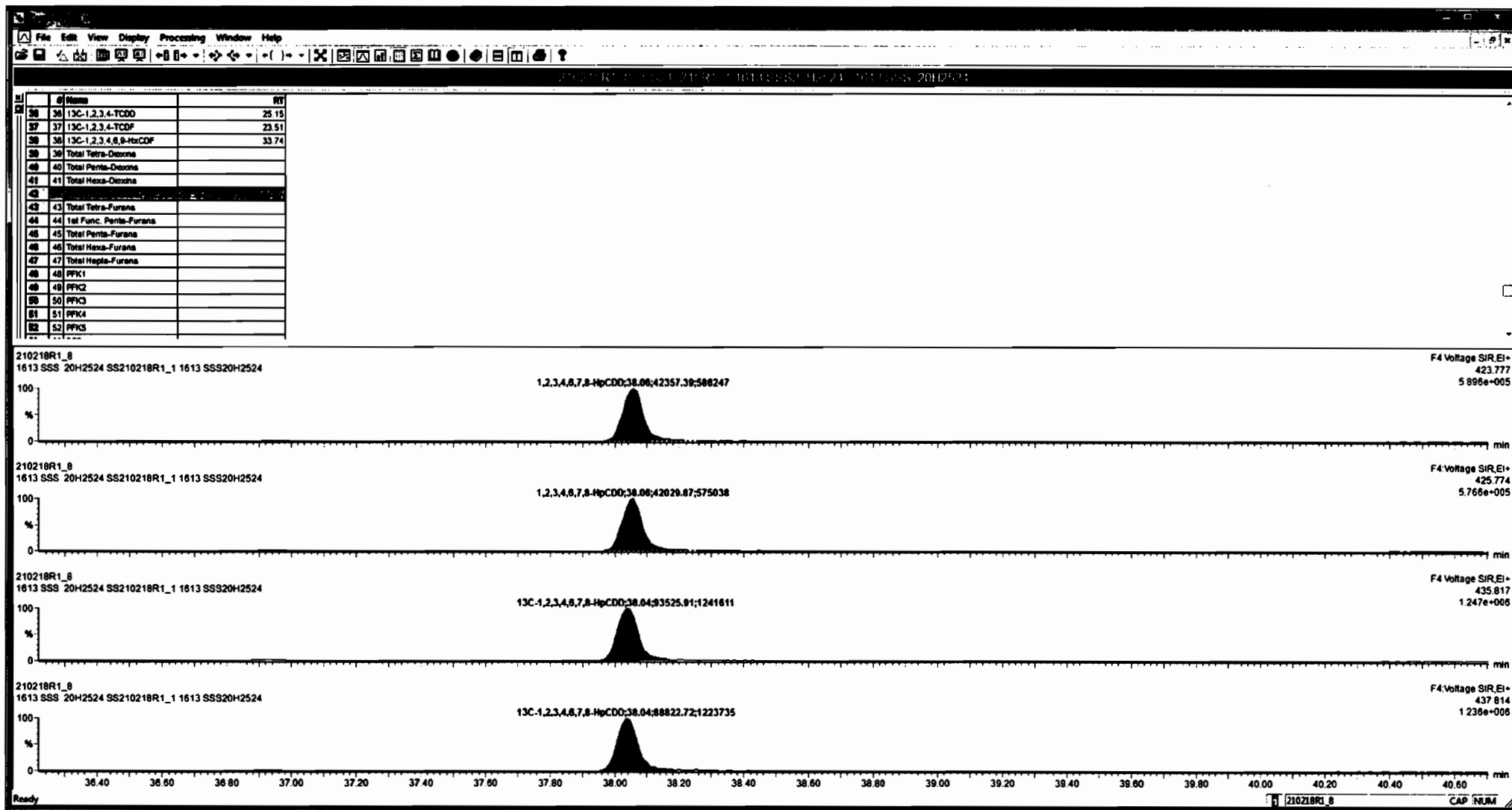
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210218R1_8



210218R1_8





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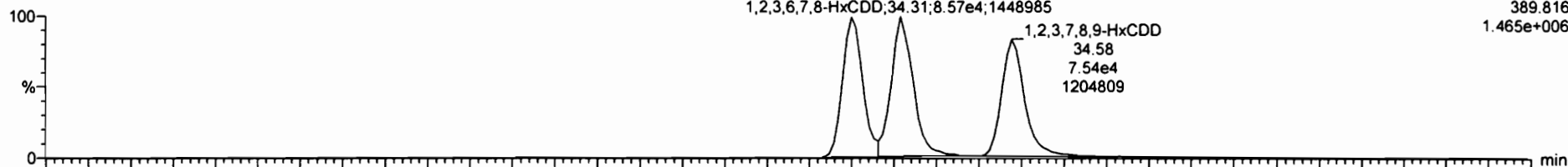
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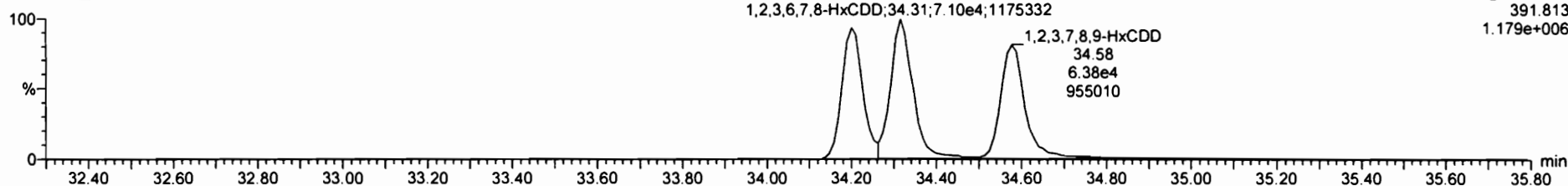
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1,2,3,4,7,8-HxCDD

210218R1_8

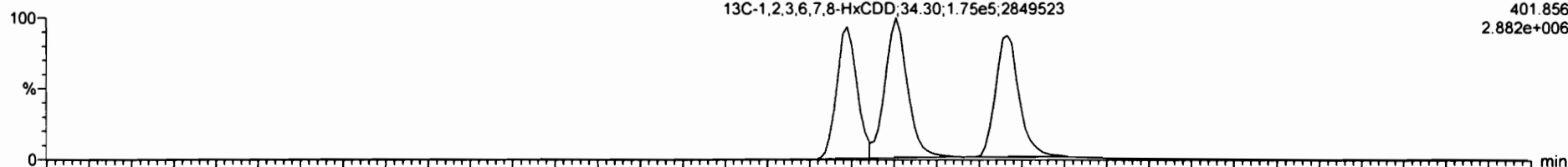


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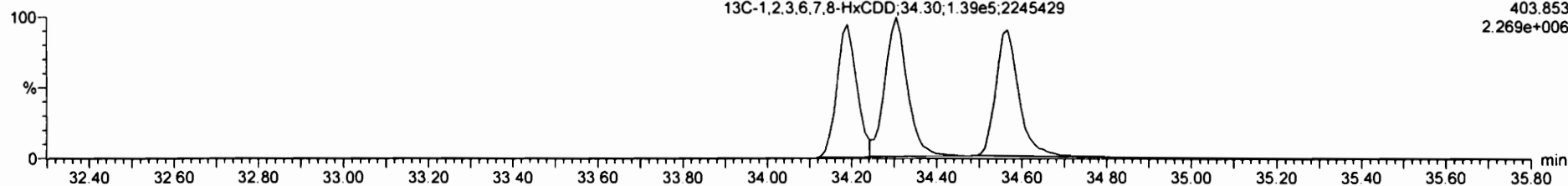


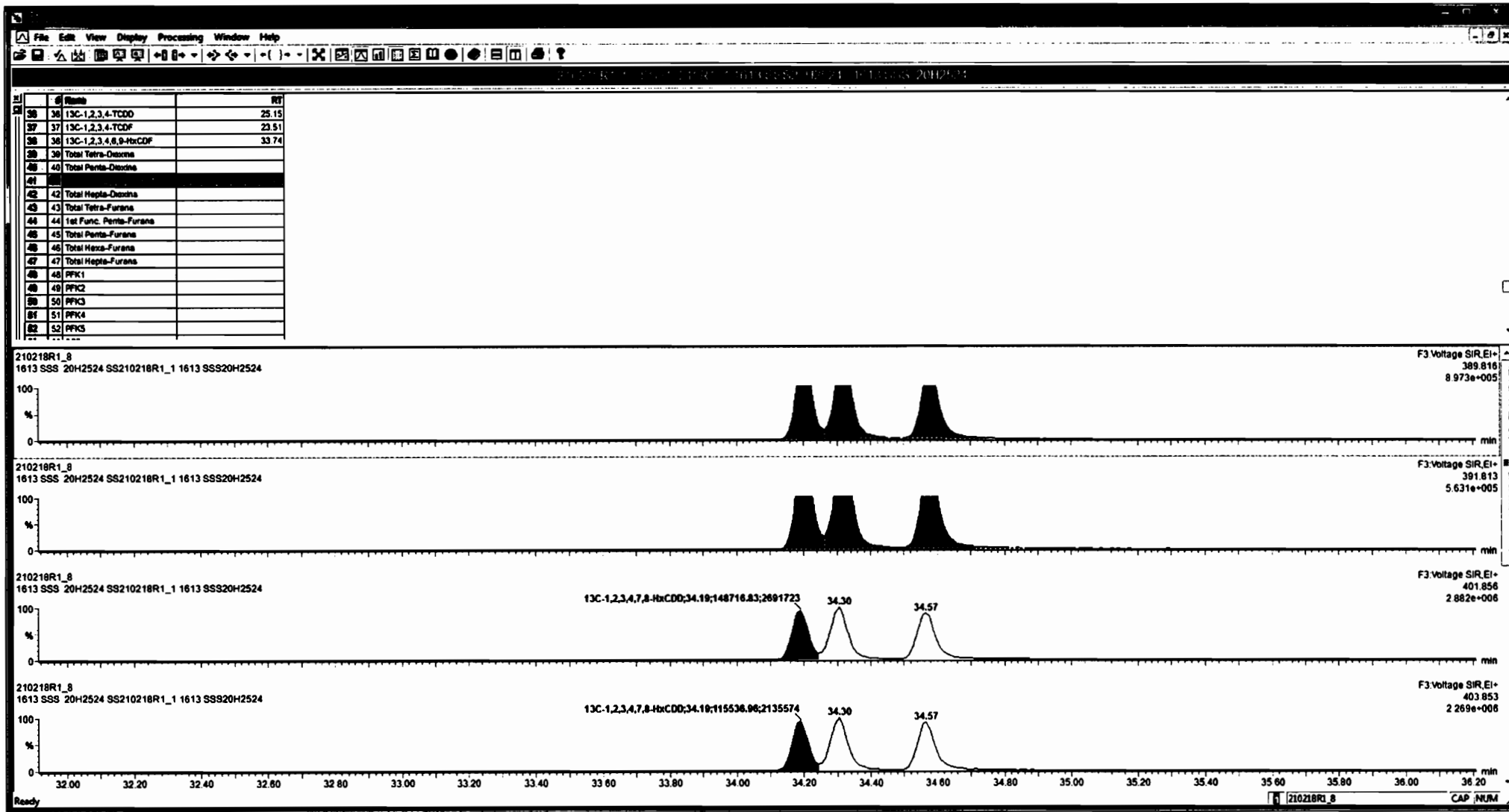
13C-1,2,3,4,7,8-HxCDD

210218R1_8



210218R1_8





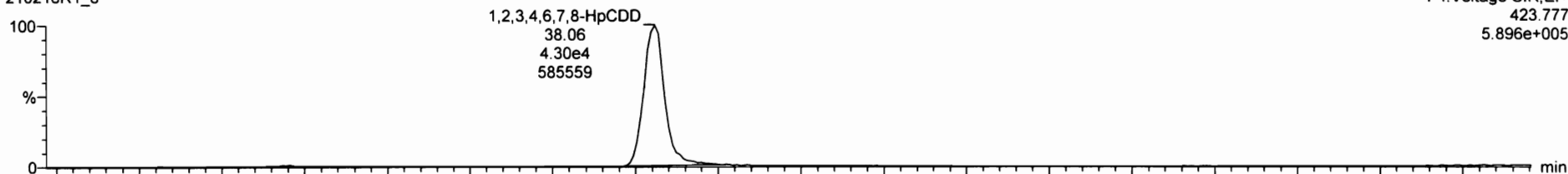
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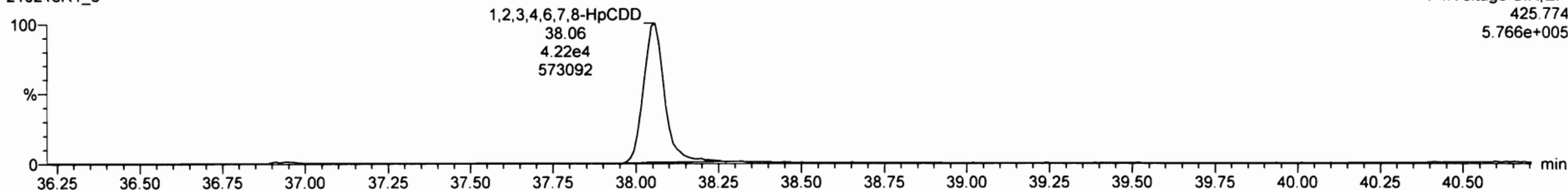
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1,2,3,4,6,7,8-HpCDD

210218R1_8

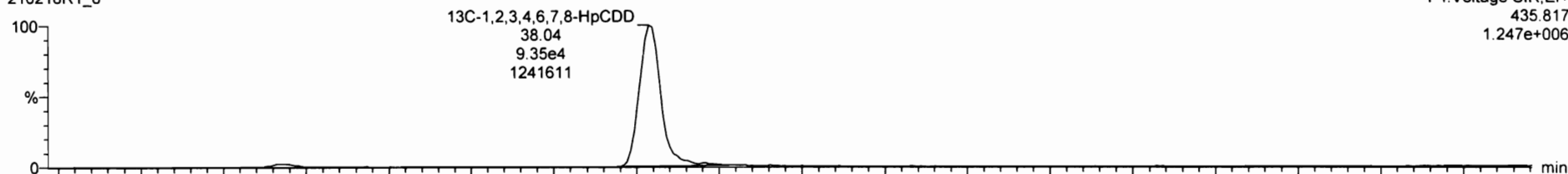


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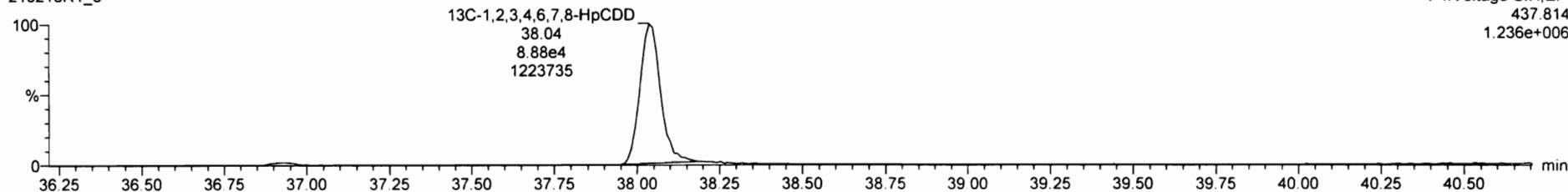


13C-1,2,3,4,6,7,8-HpCDD

210218R1_8



210218R1_8



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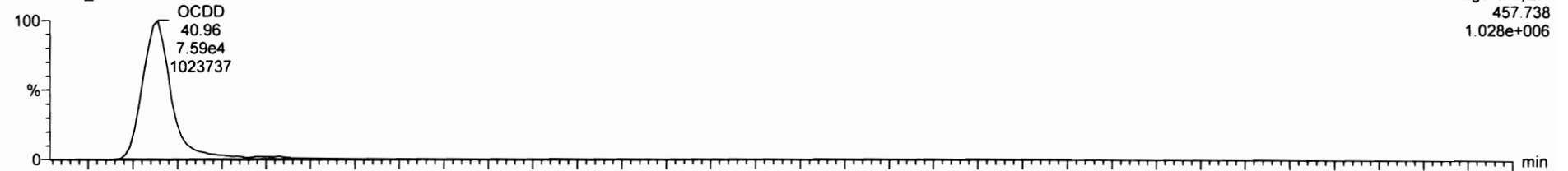
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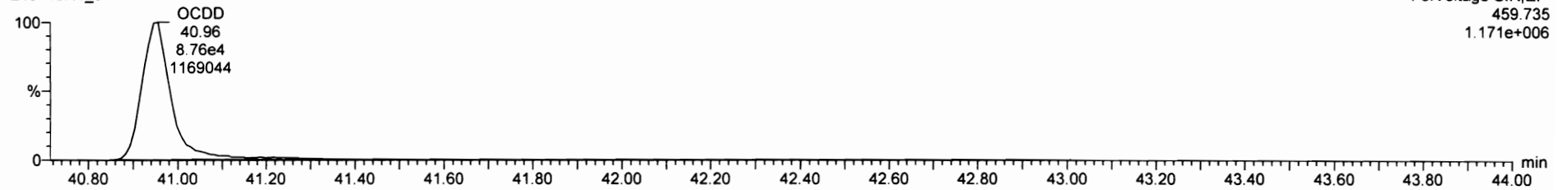
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OCDD

210218R1_8

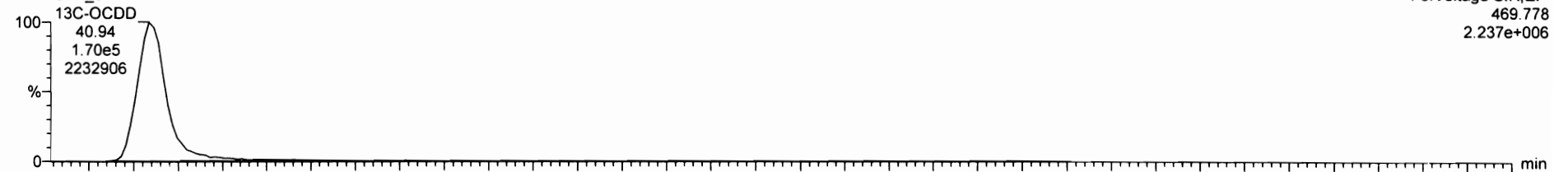


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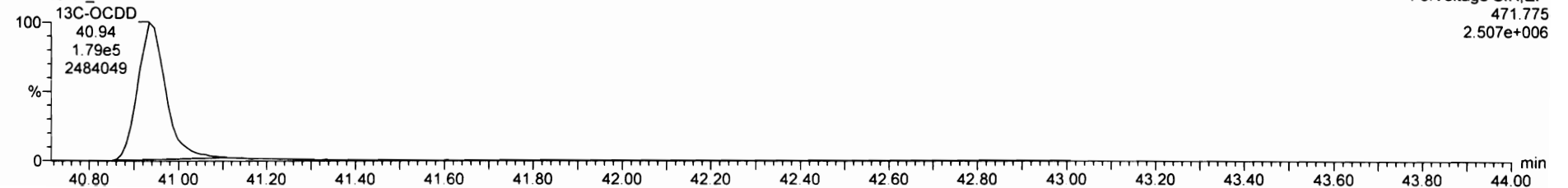


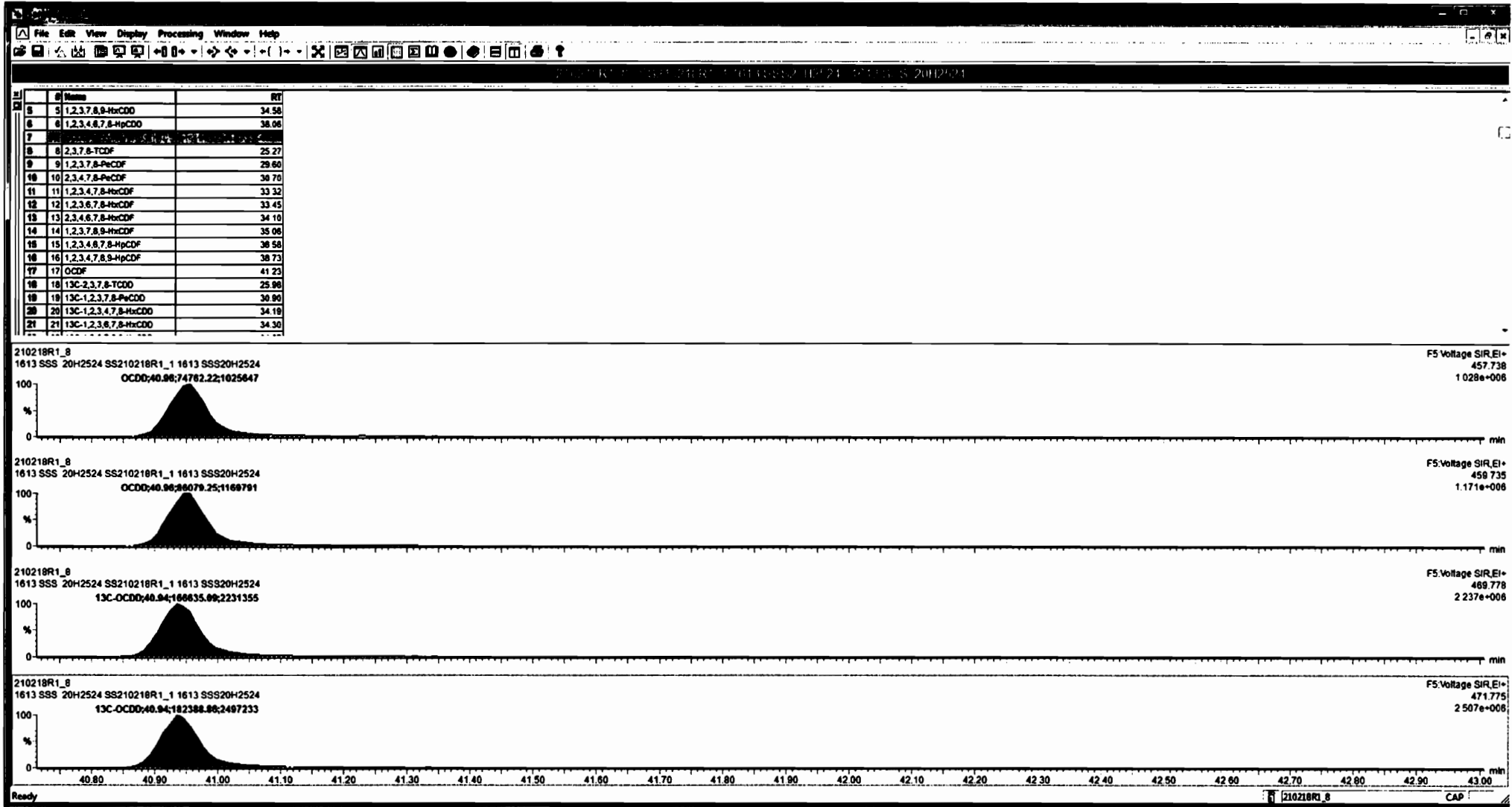
13C-OCDD

210218R1_8



210218R1_8





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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

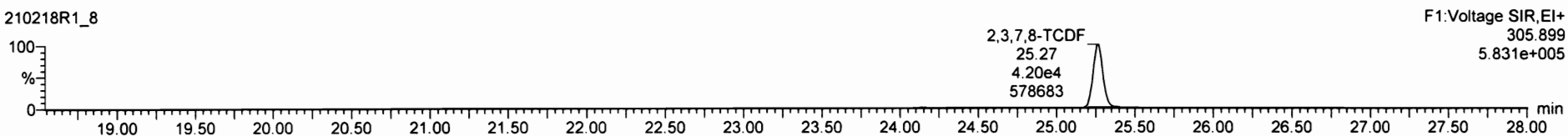
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2,3,7,8-TCDF

210218R1_8

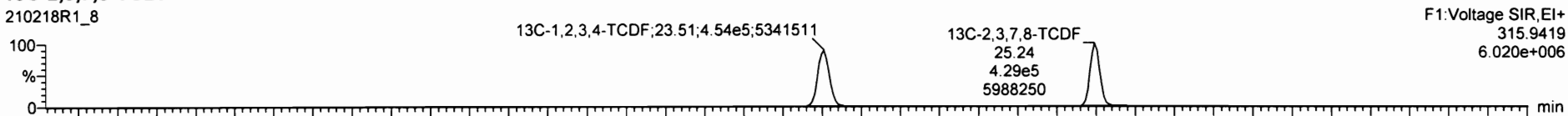


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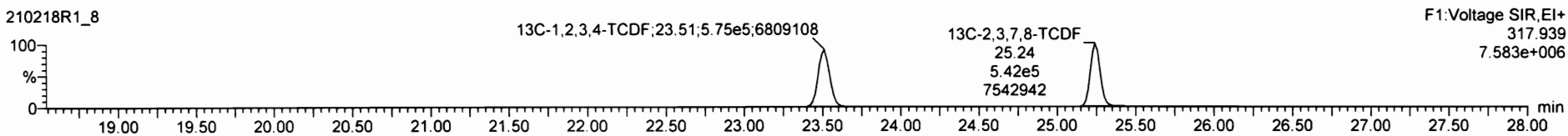


13C-2,3,7,8-TCDF

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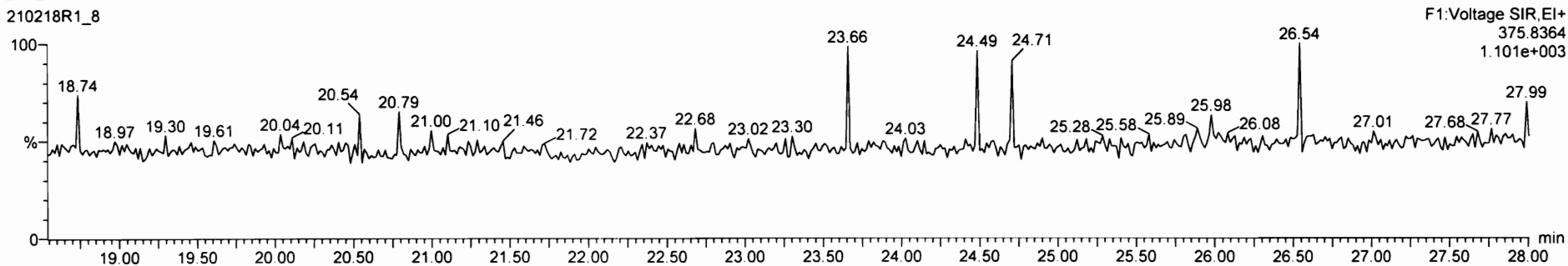


210218R1_8



DPE1

210218R1_8



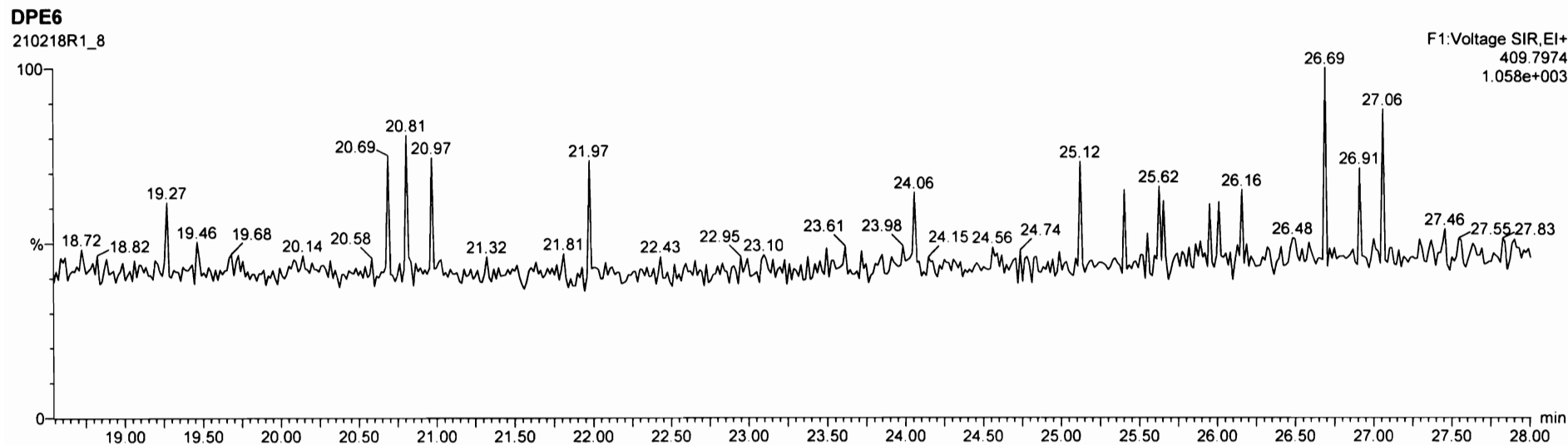
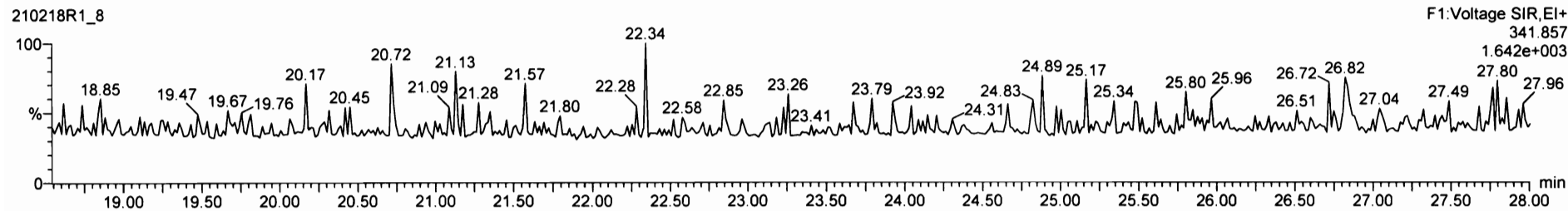
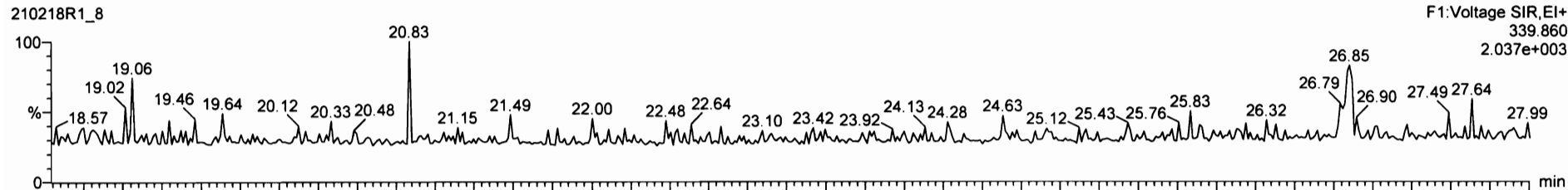
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Name: 210218R1_8, Date: 18-Feb-2021, Time: 14:34:09, ID: SS210218R1_1 1613 SSS20H2524, Description: 1613 SSS 20H2524

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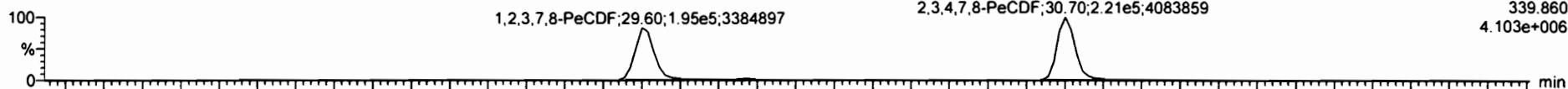
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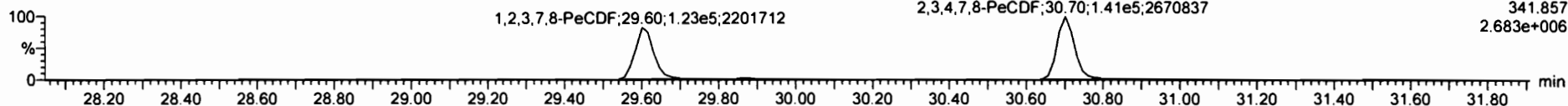
1,2,3,7,8-PeCDF

210218R1_8



F2:Voltage SIR,EI+
339.860
4.103e+006

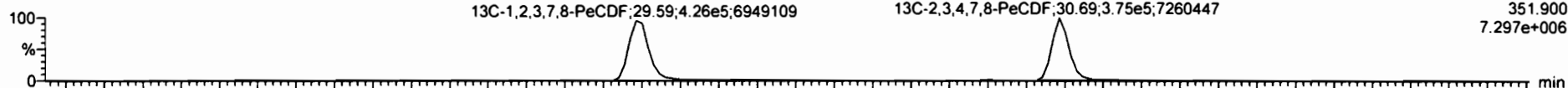
210218R1_8



F2:Voltage SIR,EI+
341.857
2.683e+006

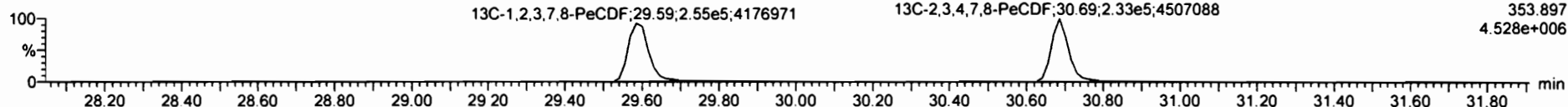
13C-1,2,3,7,8-PeCDF

210218R1_8



F2:Voltage SIR,EI+
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7.297e+006

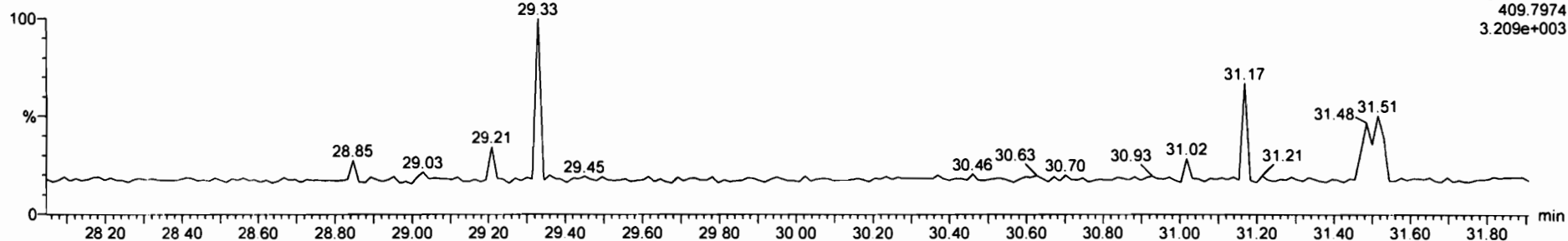
210218R1_8



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4.528e+006

DPE2

210218R1_8



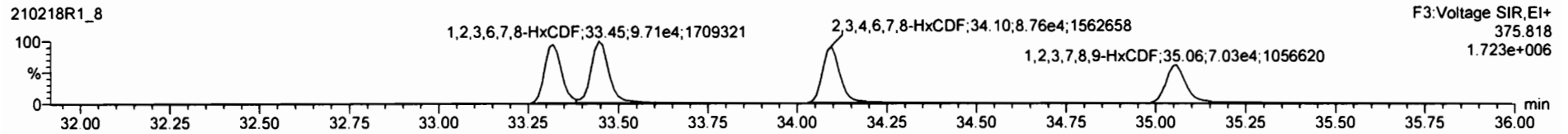
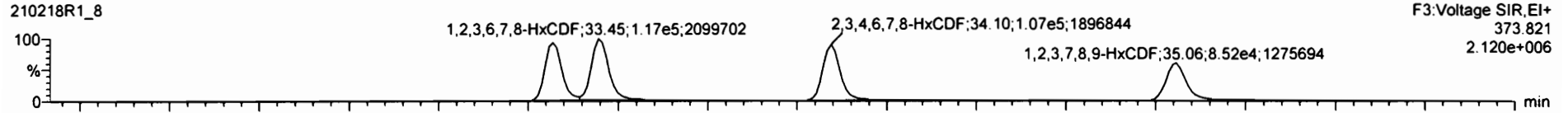
F2:Voltage SIR,EI+
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3.209e+003

Dataset: Untitled

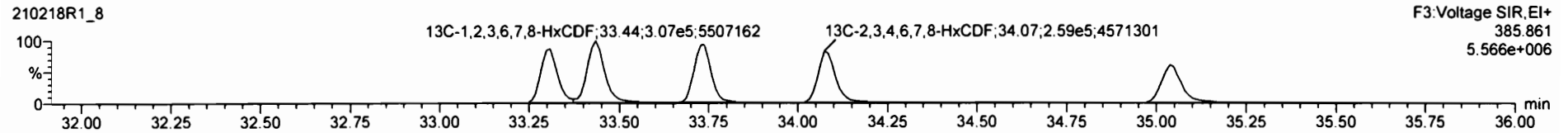
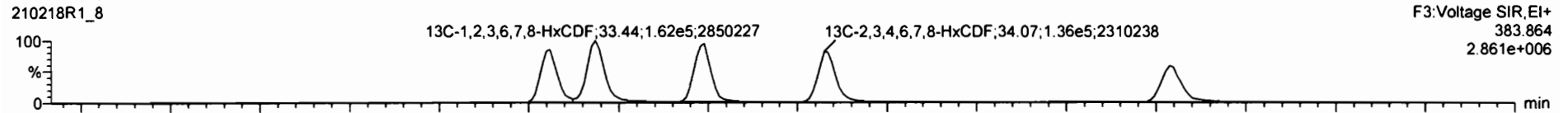
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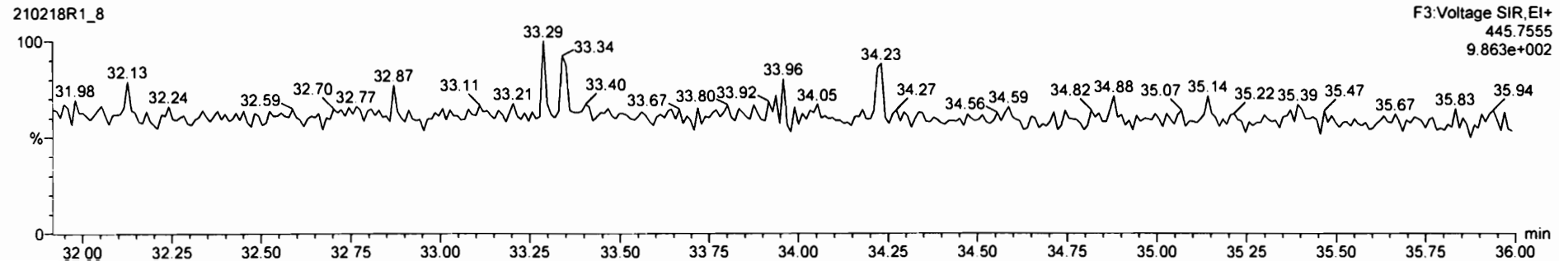
1,2,3,4,7,8-HxCDF



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



DPE3

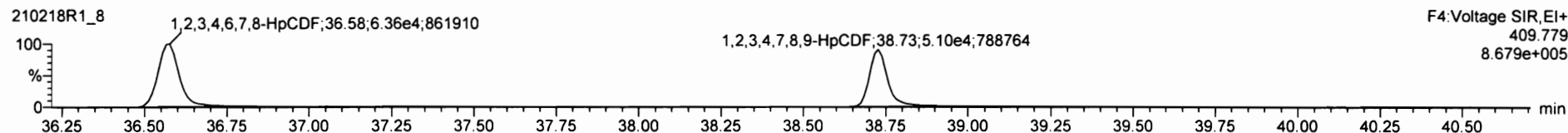
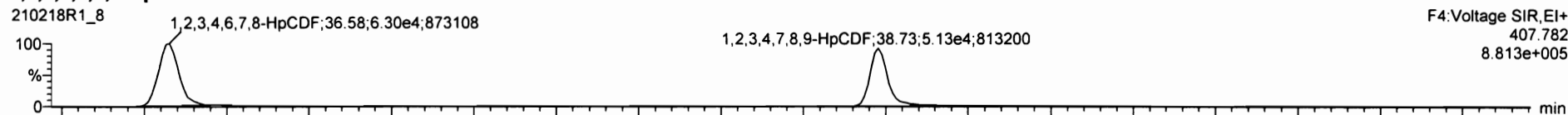


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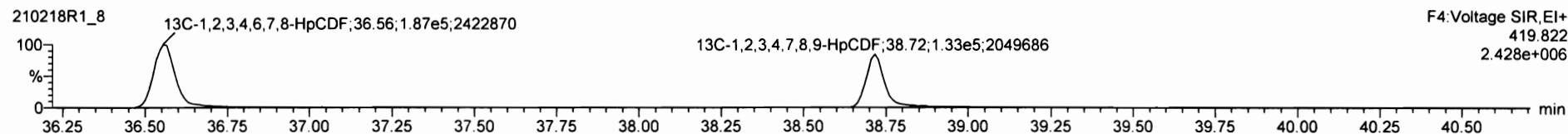
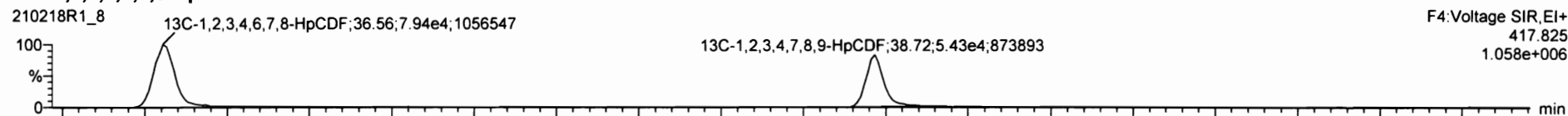
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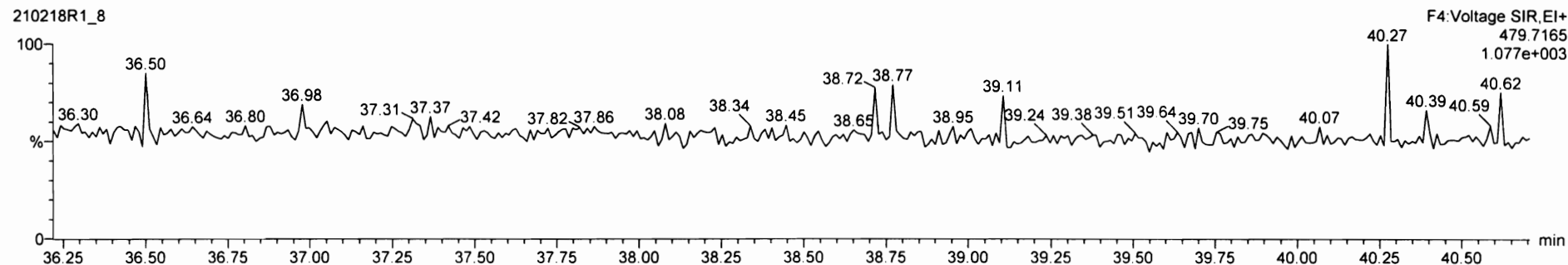
1,2,3,4,6,7,8-HpCDF



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



DPE4

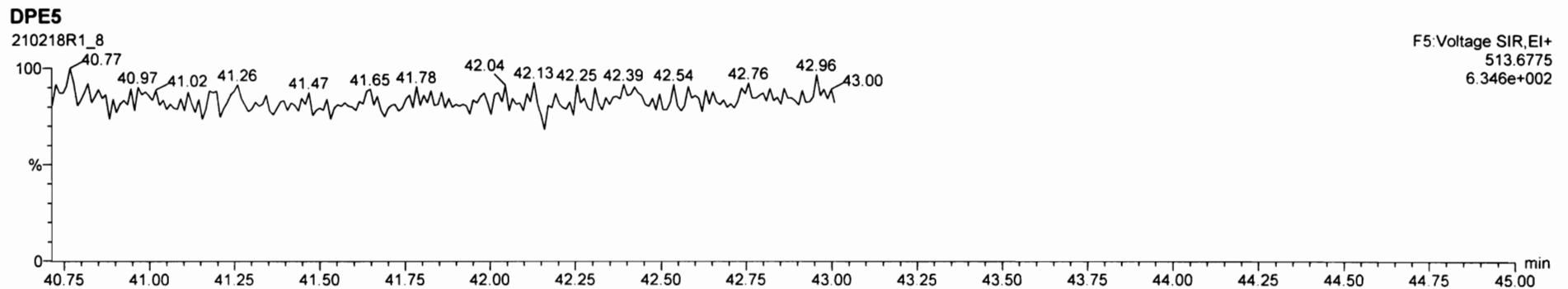
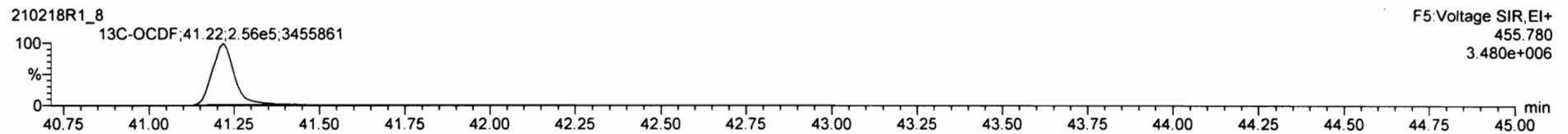
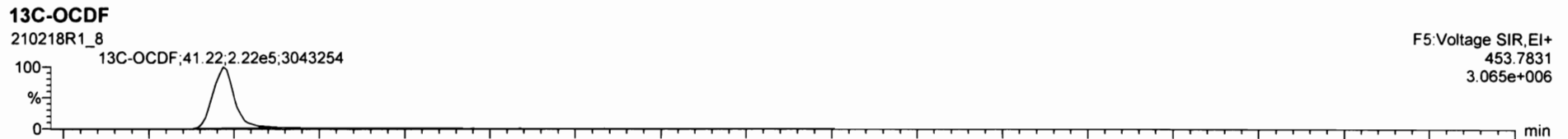
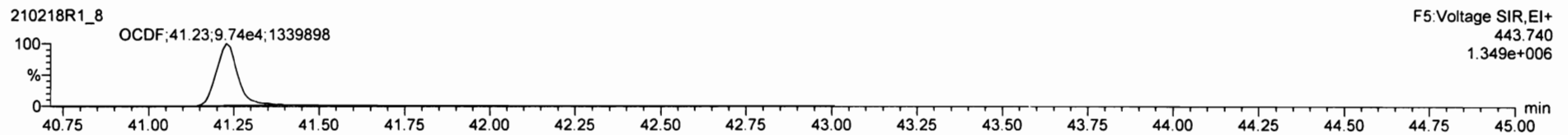
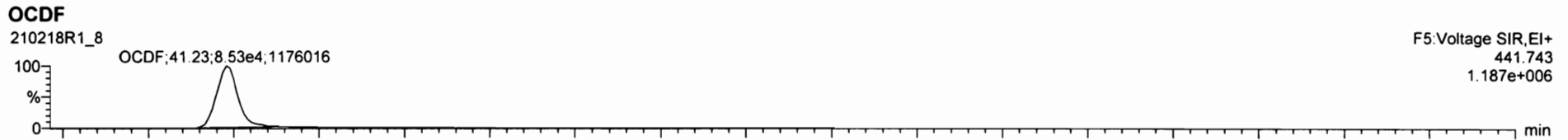


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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

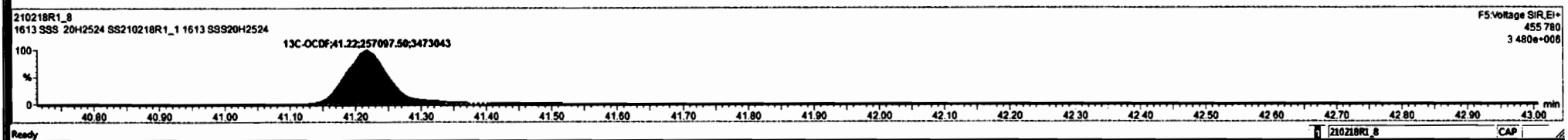
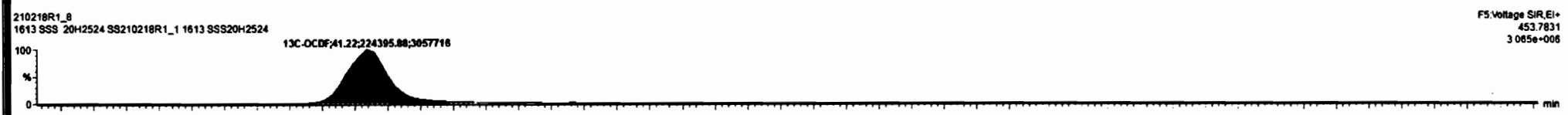
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File Edit View Display Processing Window Help

210218R1_8

#	Result	RT
5	1,2,3,7,8,9-HxCDD	34.58
6	1,2,3,4,6,7,8-HpCDD	38.06
7	OCDD	40.96
8	2,3,7,8-TCDF	25.27
9	1,2,3,7,8-PeCDF	29.60
10	2,3,4,7,8-PeCDF	30.70
11	1,2,3,4,7,8-HxCDF	33.32
12	1,2,3,6,7,8-HxCDF	33.45
13	2,3,4,6,7,8-HxCDF	34.10
14	1,2,3,7,8,9-HxCDF	35.06
15	1,2,3,4,6,7,8-HpCDF	36.58
16	1,2,3,4,7,8,9-HpCDF	38.73
17		
18	13C-2,3,7,8-TCDD	25.98
19	13C-1,2,3,7,8-PeCDD	30.90
20	13C-1,2,3,4,7,8-HxCDD	34.10
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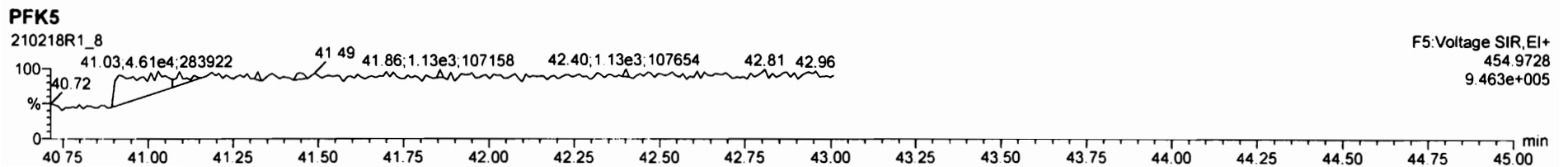
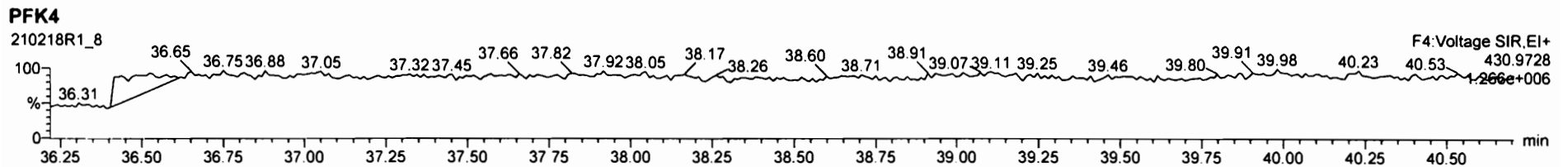
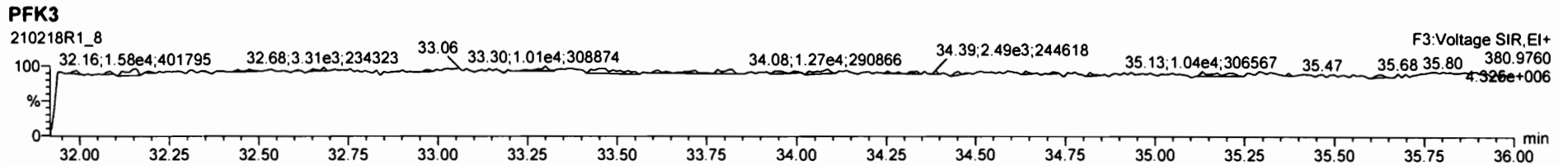
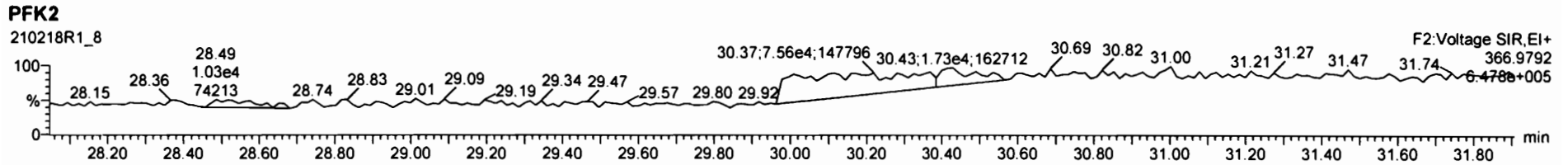
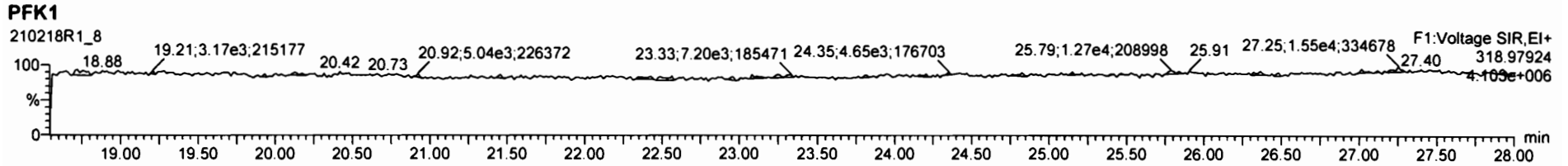


Ready 210218R1_8 CAP

Dataset: Untitled

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Printed: Friday, February 19, 2021 9:37:22 AM Pacific Standard Time

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Dataset: U:\VG12.PRO\Results\210329R1\210329R1_CURVE.qld

Last Altered: Wednesday, March 31, 2021 11:34:52 Pacific Daylight Time

Printed: Wednesday, March 31, 2021 11:35:49 Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

Compound name: Hexachlorobenzene

Response Factor: 0.944552

RRF SD: 0.0599925, Relative SD: 6.35143

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

Curve type: RF

HN 03/31/21
 Limited, new high point for:
 · Transchlorodane (gamma)
 · Endosulfan II (beta)
 · 2,4-DDE
 · 4,4-DDE
 · 2,4-DDD
 · 4,4-DDD
 · 4,4-Methoxy chlor
 } @250
 Hc 3.31.2021

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.25	NO	21.41	1.001	6.47e4	1.95e6	1.75	-12.3	0.828	bb
2	210329R1_2	10.0	1.25	NO	21.41	1.001	7.08e5	3.61e6	10.4	3.8	0.980	bb
3	210329R1_3	100	1.24	NO	21.42	1.001	4.13e6	2.17e6	101	0.8	0.952	bb
4	210329R1_4	250	1.24	NO	21.42	1.001	1.34e7	2.83e6	251	0.5	0.949	bb
5	210329R1_5	1200	1.24	NO	21.41	1.001	7.88e7	3.42e6	1220	1.7	0.960	bb
6	210329R1_6	50.0	1.24	NO	21.41	1.001	1.26e6	1.26e6	52.8	5.6	0.998	bb

Compound name: Alpha-BHC

Response Factor: 0.781133

RRF SD: 0.0699882, Relative SD: 8.95983

Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	2.06	NO	21.95	1.002	1.75e4	6.84e5	1.64	-18.0	0.640	bb
2	210329R1_2	10.0	2.15	NO	21.93	1.001	1.90e5	1.20e6	10.1	1.4	0.792	bb
3	210329R1_3	100	2.08	NO	21.95	1.001	1.15e6	7.16e5	103	3.0	0.804	bb
4	210329R1_4	250	2.06	NO	21.94	1.001	3.79e6	9.42e5	258	3.0	0.805	bb
5	210329R1_5	1200	2.05	NO	21.95	1.002	2.32e7	1.18e6	1260	5.2	0.822	bb
6	210329R1_6	50.0	2.11	NO	21.93	1.001	3.40e5	4.13e5	52.7	5.5	0.824	bb

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Compound name: Lindane (gamma-BHC)

Response Factor: 0.789572

RRF SD: 0.0699629, Relative SD: 8.86087

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	210329R1_1	2.00	2.09	NO	24.98	1.001	1.37e4	5.24e5	1.66	-17.0	0.655	bb
2	210329R1_2	10.0	2.09	NO	24.98	1.001	1.40e5	9.04e5	9.82	-1.8	0.776	bb
3	210329R1_3	100	2.08	NO	25.00	1.001	8.69e5	5.38e5	102	2.3	0.807	bb
4	210329R1_4	250	2.04	NO	25.00	1.001	2.89e6	7.07e5	259	3.7	0.819	bb
5	210329R1_5	1200	2.03	NO	25.00	1.001	1.82e7	9.03e5	1280	6.4	0.840	bb
6	210329R1_6	50.0	2.15	NO	24.98	1.001	2.55e5	3.03e5	53.2	6.4	0.840	bb

Compound name: Beta-BHC

Response Factor: 0.924681

RRF SD: 0.0698132, Relative SD: 7.54998

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	210329R1_1	2.00	2.09	NO	27.17	1.001	1.30e4	4.06e5	1.73	-13.7	0.798	bb
2	210329R1_2	10.0	2.15	NO	27.15	1.001	1.22e5	6.86e5	9.61	-3.9	0.888	bb
3	210329R1_3	100	2.10	NO	27.17	1.001	7.79e5	4.09e5	103	3.1	0.953	bb
4	210329R1_4	250	2.05	NO	27.17	1.001	2.58e6	5.39e5	259	3.7	0.959	bb
5	210329R1_5	1200	2.03	NO	27.17	1.001	1.66e7	7.04e5	1270	6.1	0.981	bb
6	210329R1_6	50.0	2.17	NO	27.17	1.001	2.25e5	2.32e5	52.3	4.7	0.968	bb

Compound name: Delta-BHC

Response Factor: 0.862749

RRF SD: 0.078355, Relative SD: 9.08202

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	210329R1_1	2.00	1.92	NO	28.95	1.001	1.34e4	4.71e5	1.65	-17.5	0.711	bb
2	210329R1_2	10.0	2.18	NO	28.95	1.001	1.36e5	7.98e5	9.85	-1.5	0.850	bb

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Compound name: Delta-BHC

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	100	2.08	NO	28.97	1.001	8.41e5	4.75e5	103	2.6	0.885	bb
4	210329R1_4	250	2.05	NO	28.95	1.001	2.86e6	6.39e5	259	3.7	0.894	bb
5	210329R1_5	1200	2.04	NO	28.95	1.001	1.82e7	8.30e5	1270	5.9	0.913	bb
6	210329R1_6	50.0	2.17	NO	28.95	1.001	2.46e5	2.67e5	53.5	6.9	0.923	bb

Compound name: Heptachlor

Response Factor: 1.06919
 RRF SD: 0.0946312, Relative SD: 8.85071
 Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.13	NO	27.27	1.001	9.41e3	2.60e5	1.69	-15.5	0.904	bb
2	210329R1_2	10.0	1.19	NO	27.27	1.001	8.04e4	3.95e5	9.52	-4.8	1.02	bb
3	210329R1_3	100	1.24	NO	27.28	1.001	5.45e5	2.50e5	102	1.9	1.09	bb
4	210329R1_4	250	1.23	NO	27.28	1.001	2.05e6	3.65e5	262	5.0	1.12	bb
5	210329R1_5	1200	1.24	NO	27.28	1.001	1.58e7	5.65e5	1310	9.0	1.17	bb
6	210329R1_6	50.0	1.26	NO	27.27	1.001	1.65e5	1.48e5	52.2	4.4	1.12	bb

Compound name: Aldrin

Response Factor: 1.08839
 RRF SD: 0.0821977, Relative SD: 7.55221
 Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.46	NO	29.51	1.001	1.38e4	3.72e5	1.71	-14.7	0.928	bb
2	210329R1_2	10.0	1.65	NO	29.51	1.002	1.62e5	7.46e5	9.98	-0.2	1.09	bb
3	210329R1_3	100	1.58	NO	29.53	1.002	1.00e6	4.52e5	102	1.9	1.11	bb
4	210329R1_4	250	1.59	NO	29.53	1.002	3.24e6	5.82e5	256	2.2	1.11	bb
5	210329R1_5	1200	1.58	NO	29.53	1.002	1.98e7	7.15e5	1270	6.1	1.15	bb
6	210329R1_6	50.0	1.62	NO	29.51	1.002	2.87e5	2.52e5	52.4	4.7	1.14	bb

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Compound name: Oxychlordane

Response Factor: 1.08377

RRF SD: 0.0551391, Relative SD: 5.08769

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.56	NO	32.24	1.001	4.37e3	1.06e5	1.90	-5.2	1.03	bb
2	210329R1_2	10.0	1.61	NO	32.24	1.001	3.81e4	1.90e5	9.24	-7.6	1.00	bb
3	210329R1_3	100	1.59	NO	32.26	1.001	2.40e5	1.09e5	102	2.0	1.11	db
4	210329R1_4	250	1.59	NO	32.24	1.001	8.01e5	1.42e5	260	4.1	1.13	MM
5	210329R1_5	1200	1.58	NO	32.24	1.000	5.15e6	1.90e5	1250	4.0	1.13	bb
6	210329R1_6	50.0	1.56	NO	32.26	1.001	6.52e4	5.86e4	51.4	2.7	1.11	db

Compound name: cis-Heptachlor Epoxide

Response Factor: 1.09157

RRF SD: 0.0567678, Relative SD: 5.20054

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.73	NO	33.07	1.001	5.47e3	1.38e5	1.82	-9.2	0.991	bb
2	210329R1_2	10.0	1.65	NO	33.06	1.000	5.21e4	2.45e5	9.75	-2.5	1.06	bb
3	210329R1_3	100	1.62	NO	33.07	1.001	3.13e5	1.40e5	103	2.6	1.12	bb
4	210329R1_4	250	1.60	NO	33.06	1.000	1.03e6	1.81e5	261	4.3	1.14	bb
5	210329R1_5	1200	1.57	NO	33.06	1.000	6.79e6	2.57e5	1210	0.7	1.10	bb
6	210329R1_6	50.0	1.63	NO	33.06	1.000	8.58e4	7.55e4	52.1	4.2	1.14	bb

Compound name: trans-Heptachlor Epoxide

Response Factor: 0.268667

RRF SD: 0.0165068, Relative SD: 6.14395

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.62	NO	33.56	1.015	1.33e3	1.38e5	1.80	-10.2	0.241	bb
2	210329R1_2	10.0	1.56	NO	33.57	1.016	1.26e4	2.45e5	9.58	-4.2	0.257	bb

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Compound name: trans-Heptachlor Epoxide

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	100	1.66	NO	33.58	1.016	7.65e4	1.40e5	102	2.0	0.274	bb
4	210329R1_4	250	1.60	NO	33.57	1.016	2.58e5	1.81e5	265	6.2	0.285	bb
5	210329R1_5	1200	1.57	NO	33.57	1.016	1.74e6	2.57e5	1260	4.6	0.281	bb
6	210329R1_6	50.0	1.65	NO	33.57	1.016	2.06e4	7.55e4	50.8	1.7	0.273	bb

Compound name: trans-Chlordane (gamma)

Response Factor: 1.12619

RRF SD: 0.0778423, Relative SD: 6.91202

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.51	NO	33.99	1.000	3.73e3	9.22e4	1.80	-10.1	1.01	bb
2	210329R1_2	10.0	1.68	NO	34.01	1.001	3.73e4	1.72e5	9.63	-3.7	1.08	bb
3	210329R1_3	100	1.61	NO	34.01	1.000	2.34e5	1.00e5	104	3.6	1.17	bb
4	210329R1_4	250	1.58	NO	34.01	1.001	7.74e5	1.34e5	257	2.7	1.16	bb
5	210329R1_5	1200	1.57	NO	34.01	1.001	4.96e6	2.12e5	1040	-13.5	0.974	bbX
6	210329R1_6	50.0	1.64	NO	34.01	1.001	6.39e4	5.28e4	53.7	7.4	1.21	bd

Compound name: trans-Nonachlor

Response Factor: 1.04189

RRF SD: 0.0700412, Relative SD: 6.72255

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.62	NO	34.21	1.001	3.79e3	1.03e5	1.77	-11.6	0.921	bb
2	210329R1_2	10.0	1.63	NO	34.21	1.001	3.92e4	1.93e5	9.76	-2.4	1.02	bb
3	210329R1_3	100	1.61	NO	34.21	1.000	2.47e5	1.14e5	104	4.2	1.09	bb
4	210329R1_4	250	1.61	NO	34.21	1.001	8.09e5	1.48e5	263	5.2	1.10	bb
5	210329R1_5	1200	1.57	NO	34.21	1.001	5.26e6	2.14e5	1180	-1.5	1.03	bb
6	210329R1_6	50.0	1.64	NO	34.21	1.001	6.71e4	6.07e4	53.0	6.1	1.11	db

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Compound name: cis-Chlordane

Response Factor: 1.13849

RRF SD: 0.0750014, Relative SD: 6.58778

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.59	NO	34.71	1.015	4.22e3	1.03e5	1.80	-9.9	1.03	bd
2	210329R1_2	10.0	1.55	NO	34.71	1.015	4.24e4	1.93e5	9.66	-3.4	1.10	MM
3	210329R1_3	100	1.64	NO	34.71	1.015	2.64e5	1.14e5	102	2.0	1.16	bd
4	210329R1_4	250	1.57	NO	34.69	1.015	8.93e5	1.48e5	266	6.4	1.21	bd
5	210329R1_5	1200	1.57	NO	34.71	1.015	5.69e6	2.14e5	1170	-2.6	1.11	bd
6	210329R1_6	50.0	1.64	NO	34.71	1.015	7.43e4	6.07e4	53.8	7.5	1.22	bd

Compound name: Endosulfan I (alpha)

Response Factor: 1.11764

RRF SD: 0.192917, Relative SD: 17.261

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	10.0	1.79	NO	34.80	1.001	1.80e4	6.77e4	11.9	19.0	1.33	db
2	210329R1_2	15.0	1.73	NO	34.79	1.001	4.94e4	1.30e5	17.1	13.8	1.27	MM
3	210329R1_3	100	1.63	NO	34.79	1.000	1.81e5	8.12e4	100	-0.0	1.12	db
4	210329R1_4	250	1.58	NO	34.79	1.001	5.74e5	1.07e5	241	-3.6	1.08	db
5	210329R1_5	1200	1.57	NO	34.80	1.000	3.80e6	2.03e5	835	-30.4	0.778	db
6	210329R1_6	50.0	1.63	NO	34.79	1.001	4.61e4	4.08e4	50.6	1.3	1.13	db

Compound name: 2,4'-DDE

Response Factor: 1.00662

RRF SD: 0.0430406, Relative SD: 4.27575

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.53	NO	34.71	1.000	9.56e4	2.52e6	1.88	-5.9	0.947	bb
2	210329R1_2	10.0	1.53	NO	34.71	1.000	1.02e6	4.87e6	10.4	3.9	1.05	bb

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Compound name: 2,4'-DDE

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	100	1.54	NO	34.72	1.000	5.88e6	2.92e6	100	0.0	1.01	bb
4	210329R1_4	250	1.52	NO	34.71	1.000	1.84e7	3.74e6	244	-2.2	0.984	bb
5	210329R1_5	1200	1.41	NO	34.71	1.000	1.04e8	4.59e6	1120	-6.4	0.942	bbX ✓
6	210329R1_6	50.0	1.52	NO	34.71	1.000	1.70e6	1.62e6	52.1	4.2	1.05	bb

Compound name: 4,4'-DDE

Response Factor: 1.0094 ✓

RRF SD: 0.0495405, Relative SD: 4.90792

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.58	NO	35.82	1.000	6.74e4	1.82e6	1.84	-8.0	0.928	bb
2	210329R1_2	10.0	1.55	NO	35.82	1.000	7.45e5	3.57e6	10.3	3.4	1.04	bb
3	210329R1_3	100	1.54	NO	35.83	1.000	4.35e6	2.14e6	101	0.7	1.02	bb
4	210329R1_4	250	1.53	NO	35.81	1.000	1.36e7	2.70e6	249	-0.4	1.01	bb ✓
5	210329R1_5	1200	1.50	NO	35.82	1.000	8.14e7	3.38e6	1190	-0.5	1.00	bbX
6	210329R1_6	50.0	1.54	NO	35.83	1.001	1.25e6	1.19e6	52.2	4.4	1.05	bb

Compound name: Dieldrin

Response Factor: 1.00103 ✓

RRF SD: 0.0851838, Relative SD: 8.5096

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.60	NO	36.28	1.001	7.25e3	2.14e5	1.69	-15.5	0.846	bb
2	210329R1_2	10.0	1.64	NO	36.28	1.000	8.04e4	4.11e5	9.78	-2.2	0.979	bb
3	210329R1_3	100	1.58	NO	36.30	1.001	5.13e5	2.39e5	107	7.2	1.07	bb
4	210329R1_4	250	1.56	NO	36.28	1.001	1.66e6	3.17e5	262	4.8	1.05	bb
5	210329R1_5	1200	1.55	NO	36.28	1.000	9.75e6	4.08e5	1190	-0.6	0.995	bb
6	210329R1_6	50.0	1.63	NO	36.28	1.000	1.39e5	1.31e5	53.2	6.4	1.06	bb

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Compound name: Endrin

Response Factor: 0.976867

RRF SD: 0.0758424, Relative SD: 7.76384

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.37	NO	37.71	1.000	7.14e3	2.12e5	1.72	-13.9	0.841	bb
2	210329R1_2	10.0	1.57	NO	37.71	1.000	7.19e4	3.80e5	9.69	-3.1	0.946	bb
3	210329R1_3	100	1.61	NO	37.72	1.001	4.20e5	2.11e5	102	2.0	0.996	bb
4	210329R1_4	250	1.56	NO	37.71	1.000	1.34e6	2.65e5	260	3.8	1.01	bb
5	210329R1_5	1200	1.56	NO	37.71	1.000	8.64e6	3.40e5	1300	8.5	1.06	bb
6	210329R1_6	50.0	1.66	NO	37.71	1.000	1.04e5	1.03e5	51.4	2.8	1.00	bb

Compound name: cis-Nonachlor

Response Factor: 1.01131

RRF SD: 0.0558391, Relative SD: 5.52146

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.64	NO	38.03	1.001	4.12e3	1.11e5	1.84	-8.2	0.928	MM
2	210329R1_2	10.0	1.65	NO	38.03	1.001	4.36e4	2.25e5	9.58	-4.2	0.969	MM
3	210329R1_3	100	1.58	NO	38.03	1.000	2.82e5	1.34e5	104	4.5	1.06	bb
4	210329R1_4	250	1.57	NO	38.02	1.000	9.11e5	1.74e5	259	3.5	1.05	bb
5	210329R1_5	1200	1.56	NO	38.02	1.000	5.78e6	2.42e5	1180	-1.4	0.997	bb
6	210329R1_6	50.0	1.55	NO	38.03	1.000	7.43e4	6.94e4	52.9	5.8	1.07	bb

Compound name: Endosulfan II (beta)

Response Factor: 1.00793

RRF SD: 0.0754402, Relative SD: 7.48469

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	10.0	1.68	NO	38.75	1.000	7.74e3	3.54e4	10.8	8.4	1.09	bb
2	210329R1_2	15.0	1.60	NO	38.75	1.000	2.32e4	7.23e4	15.9	6.0	1.07	bb

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Compound name: Endosulfan II (beta)

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	100	1.61	NO	38.76	1.000	8.40e4	4.35e4	95.8	-4.2	0.966	bb
4	210329R1_4	250	1.63	NO	38.75	1.000	2.87e5	6.32e4	225	-10.0	0.907	bb
5	210329R1_5	1200	1.56	NO	38.75	1.000	1.92e6	1.40e5	681	-43.3	0.572	bbX
6	210329R1_6	50.0	1.60	NO	38.75	1.000	2.24e4	2.23e4	49.9	-0.2	1.01	bb

Compound name: 2,4'-DDD

Response Factor: 0.77943
 RRF SD: 0.0445851, Relative SD: 5.72022
 Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.49	NO	36.98	1.000	6.10e4	2.14e6	1.82	-8.8	0.711	bd
2	210329R1_2	10.0	1.51	NO	36.98	1.000	6.25e5	3.85e6	10.4	4.2	0.812	bb
3	210329R1_3	100	1.51	NO	37.00	1.000	3.47e6	2.25e6	98.9	-1.1	0.771	bb
4	210329R1_4	250	1.49	NO	36.98	1.000	1.12e7	2.88e6	249	-0.2	0.778	bb
5	210329R1_5	1200	1.48	NO	36.98	1.000	7.19e7	3.82e6	1210	0.6	0.784	bbX
6	210329R1_6	50.0	1.51	NO	36.98	1.000	1.00e6	1.21e6	53.0	5.9	0.826	bb

Compound name: 2,4'-DDT

Response Factor: 0.750641
 RRF SD: 0.0631164, Relative SD: 8.40834
 Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.33	NO	38.12	1.000	2.55e4	1.02e6	1.67	-16.5	0.627	MM
2	210329R1_2	10.0	1.48	NO	38.12	1.000	2.87e5	1.86e6	10.3	2.7	0.771	bb
3	210329R1_3	100	1.49	NO	38.12	1.000	1.79e6	1.19e6	101	0.6	0.755	bb
4	210329R1_4	250	1.49	NO	38.12	1.000	6.32e6	1.66e6	253	1.3	0.761	bb
5	210329R1_5	1200	1.50	NO	38.13	1.000	4.68e7	2.46e6	1270	5.6	0.793	bb
6	210329R1_6	50.0	1.49	NO	38.12	1.000	5.64e5	7.08e5	53.1	6.3	0.798	bb

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Compound name: 4,4'-DDD

Response Factor: 0.843267

RRF SD: 0.0482296, Relative SD: 5.71938

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.40	NO	38.27	1.001	5.42e4	1.78e6	1.81	-9.6	0.762	bb
2	210329R1_2	10.0	1.53	NO	38.27	1.000	5.84e5	3.33e6	10.4	4.1	0.878	bb
3	210329R1_3	100	1.50	NO	38.27	1.000	3.33e6	1.97e6	100	0.4	0.847	bb
4	210329R1_4	250	1.50	NO	38.27	1.000	1.07e7	2.52e6	251	0.5	0.847	bb
5	210329R1_5	1200	1.50	NO	38.27	1.000	7.00e7	3.40e6	1220	1.7	0.858	bbX
6	210329R1_6	50.0	1.49	NO	38.27	1.000	9.29e5	1.05e6	52.3	4.6	0.882	bb

Compound name: 4,4'-DDT

Response Factor: 0.841162

RRF SD: 0.0552211, Relative SD: 6.56485

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.26	NO	39.34	1.000	1.90e4	6.50e5	1.74	-13.0	0.732	bb
2	210329R1_2	10.0	1.50	NO	39.34	1.000	2.18e5	1.28e6	10.1	1.2	0.851	MM
3	210329R1_3	100	1.51	NO	39.36	1.000	1.47e6	8.62e5	101	1.3	0.852	db
4	210329R1_4	250	1.50	NO	39.34	1.000	5.38e6	1.26e6	254	1.7	0.856	db
5	210329R1_5	1200	1.50	NO	39.34	1.000	4.19e7	2.00e6	1240	3.5	0.870	bb
6	210329R1_6	50.0	1.51	NO	39.34	1.000	4.68e5	5.29e5	52.7	5.3	0.886	bb

Compound name: Endosulfan Sulfate

Response Factor: 1.05141

RRF SD: 0.0319248, Relative SD: 3.03638

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	10.0	1.65	NO	40.52	1.000	8.11e3	3.83e4	10.1	0.8	1.06	bb
2	210329R1_2	15.0	1.56	NO	40.52	1.000	2.61e4	8.72e4	14.2	-5.0	0.999	bb

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Compound name: Endosulfan Sulfate

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	100	1.58	NO	40.52	1.000	1.11e5	5.35e4	98.4	-1.6	1.03	bb
4	210329R1_4	250	1.57	NO	40.52	1.001	3.85e5	7.20e4	255	1.8	1.07	bb
5	210329R1_5	1200	1.56	NO	40.52	1.000	2.61e6	9.98e4	1250	3.8	1.09	bb
6	210329R1_6	50.0	1.57	NO	40.52	1.000	3.25e4	3.08e4	50.1	0.2	1.05	bb

Compound name: 4,4'-Methoxychlor

Response Factor: 0.992728
 RRF SD: 0.0297119, Relative SD: 2.99296
 Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	10.0	5.76	NO	42.39	1.000	1.17e5	6.15e6	9.62	-3.8	0.955	bb
2	210329R1_2	15.0	5.71	NO	42.39	1.000	4.67e5	1.54e7	15.3	1.7	1.01	bb
3	210329R1_3	100	5.69	NO	42.41	1.000	2.05e6	1.04e7	99.1	-0.9	0.984	bb
4	210329R1_4	250	5.62	NO	42.39	1.000	7.18e6	1.46e7	247	-1.0	0.983	bb
5	210329R1_5	1200	5.39	NO	42.39	1.000	5.12e7	2.23e7	1160	-3.5	0.958	bbX
6	210329R1_6	50.0	5.76	NO	42.39	1.000	6.48e5	6.27e6	52.0	4.0	1.03	bb

Compound name: Mirex

Response Factor: 0.979264
 RRF SD: 0.0810872, Relative SD: 8.28042
 Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	2.00	1.63	NO	42.82	1.000	1.30e4	3.99e5	1.67	-16.6	0.817	bb
2	210329R1_2	10.0	1.55	NO	42.83	1.001	1.84e5	9.11e5	10.3	3.2	1.01	bb
3	210329R1_3	100	1.54	NO	42.83	1.000	1.23e6	6.19e5	102	1.6	0.995	bb
4	210329R1_4	250	1.55	NO	42.81	1.000	3.92e6	7.84e5	256	2.2	1.00	bb
5	210329R1_5	1200	1.54	NO	42.82	1.000	2.48e7	1.02e6	1240	3.5	1.01	bb
6	210329R1_6	50.0	1.57	NO	42.83	1.001	3.67e5	3.53e5	53.0	6.1	1.04	bb

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Compound name: Endrin Aldehyde

Response Factor: 0.972147

RRF SD: 0.0288754, Relative SD: 2.97027

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	10.0	0.58	NO	39.90	1.000	1.47e4	7.62e5	9.95	-0.5	0.967	MM
2	210329R1_2	15.0	0.60	NO	39.90	1.000	4.74e4	1.68e6	14.5	-3.1	0.942	MM
3	210329R1_3	100	0.61	NO	39.92	1.000	1.88e5	9.98e5	96.7	-3.3	0.940	MM
4	210329R1_4	250	0.62	NO	39.90	1.000	6.11e5	1.22e6	259	3.4	1.01	MM
5	210329R1_5	1200	0.61	NO	39.91	1.000	3.86e6	1.60e6	1240	3.5	1.01	MM
6	210329R1_6	50.0	0.62	NO	39.90	1.000	5.19e4	5.34e5	50.0	-0.0	0.972	MM

Compound name: Endrin Ketone

Response Factor: 0.855087

RRF SD: 0.0381578, Relative SD: 4.46245

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	10.0	0.63	NO	42.99	1.001	1.07e4	6.68e5	9.33	-6.7	0.798	db
2	210329R1_2	15.0	0.62	NO	42.99	1.001	3.68e4	1.47e6	14.6	-2.6	0.833	bb
3	210329R1_3	100	0.62	NO	42.99	1.000	1.56e5	9.02e5	101	1.1	0.865	bb
4	210329R1_4	250	0.62	NO	42.97	1.000	5.25e5	1.18e6	260	4.1	0.890	bb
5	210329R1_5	1200	0.62	NO	42.99	1.001	3.37e6	1.56e6	1260	5.3	0.901	bb
6	210329R1_6	50.0	0.58	NO	42.99	1.000	4.32e4	5.11e5	49.4	-1.3	0.844	bb

Compound name: 13C6-Hexachlorobenzene

Response Factor: 0.66447

RRF SD: 0.0127355, Relative SD: 1.91664

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.27	NO	21.40	0.873	1.95e6	3.03e6	48.5	-3.0	0.645	bb
2	210329R1_2	50.0	1.26	NO	21.40	0.873	3.61e6	5.48e6	49.6	-0.7	0.660	bb

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Compound name: 13C6-Hexachlorobenzene

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	50.0	1.26	NO	21.41	0.873	2.17e6	3.28e6	49.8	-0.5	0.661	bb
4	210329R1_4	50.0	1.27	NO	21.41	0.873	2.83e6	4.24e6	50.3	0.5	0.668	bb
5	210329R1_5	50.0	1.26	NO	21.40	0.873	3.42e6	5.10e6	50.5	0.9	0.671	bb
6	210329R1_6	50.0	1.27	NO	21.40	0.873	1.26e6	1.84e6	51.4	2.8	0.683	bb

Compound name: 13C6-Alpha-BHC

Response Factor: 0.223401

RRF SD: 0.00462206, Relative SD: 2.06895

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	0.77	NO	21.91	0.894	6.84e5	3.03e6	50.5	1.0	0.226	bb
2	210329R1_2	50.0	0.77	NO	21.91	0.894	1.20e6	5.48e6	49.1	-1.8	0.219	bb
3	210329R1_3	50.0	0.77	NO	21.93	0.895	7.16e5	3.28e6	48.8	-2.3	0.218	bb
4	210329R1_4	50.0	0.77	NO	21.93	0.895	9.42e5	4.24e6	49.8	-0.5	0.222	bb
5	210329R1_5	50.0	0.78	NO	21.91	0.894	1.18e6	5.10e6	51.7	3.4	0.231	bb
6	210329R1_6	50.0	0.77	NO	21.91	0.894	4.13e5	1.84e6	50.1	0.2	0.224	bb

Compound name: 13C6-Lindane (gamma)

Response Factor: 0.168367

RRF SD: 0.00540181, Relative SD: 3.20836

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	0.78	NO	24.97	1.018	5.24e5	3.03e6	51.3	2.6	0.173	bb
2	210329R1_2	50.0	0.77	NO	24.95	1.018	9.04e5	5.48e6	49.0	-2.0	0.165	bb
3	210329R1_3	50.0	0.77	NO	24.97	1.018	5.38e5	3.28e6	48.7	-2.6	0.164	bb
4	210329R1_4	50.0	0.77	NO	24.98	1.019	7.07e5	4.24e6	49.6	-0.9	0.167	bb
5	210329R1_5	50.0	0.79	NO	24.97	1.018	9.03e5	5.10e6	52.6	5.2	0.177	bb
6	210329R1_6	50.0	0.77	NO	24.95	1.018	3.03e5	1.84e6	48.8	-2.4	0.164	bb

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Compound name: 13C6-Beta-BHC

Response Factor: 0.129143
RRF SD: 0.0055089, Relative SD: 4.26575
Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	0.78	NO	27.14	1.107	4.06e5	3.03e6	51.8	3.7	0.134	bb
2	210329R1_2	50.0	0.77	NO	27.14	1.108	6.86e5	5.48e6	48.5	-3.0	0.125	bb
3	210329R1_3	50.0	0.77	NO	27.15	1.107	4.09e5	3.28e6	48.2	-3.5	0.125	bb
4	210329R1_4	50.0	0.77	NO	27.15	1.107	5.39e5	4.24e6	49.3	-1.5	0.127	bb
5	210329R1_5	50.0	0.78	NO	27.14	1.107	7.04e5	5.10e6	53.4	6.9	0.138	bd
6	210329R1_6	50.0	0.76	NO	27.14	1.107	2.32e5	1.84e6	48.8	-2.5	0.126	bb

Compound name: 13C6-Delta-BHC

Response Factor: 0.150693
RRF SD: 0.00725792, Relative SD: 4.81637
Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	0.79	NO	28.92	1.180	4.71e5	3.03e6	51.6	3.2	0.156	bb
2	210329R1_2	50.0	0.78	NO	28.92	1.180	7.98e5	5.48e6	48.3	-3.3	0.146	bb
3	210329R1_3	50.0	0.77	NO	28.94	1.180	4.75e5	3.28e6	48.0	-4.0	0.145	bb
4	210329R1_4	50.0	0.77	NO	28.94	1.180	6.39e5	4.24e6	50.0	0.1	0.151	bb
5	210329R1_5	50.0	0.79	NO	28.94	1.180	8.30e5	5.10e6	54.0	8.0	0.163	bb
6	210329R1_6	50.0	0.78	NO	28.92	1.180	2.67e5	1.84e6	48.0	-3.9	0.145	bb

Compound name: 13C10-Heptachlor

Response Factor: 0.0852462
RRF SD: 0.0136333, Relative SD: 15.9928
Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.26	NO	27.23	1.111	2.60e5	3.03e6	50.4	0.8	0.0859	bb
2	210329R1_2	50.0	1.28	NO	27.23	1.112	3.95e5	5.48e6	42.3	-15.4	0.0721	bb

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Compound name: 13C10-Heptachlor

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	50.0	1.29	NO	27.25	1.111	2.50e5	3.28e6	44.7	-10.6	0.0762	bb
4	210329R1_4	50.0	1.29	NO	27.25	1.111	3.65e5	4.24e6	50.6	1.2	0.0862	bb
5	210329R1_5	50.0	1.29	NO	27.25	1.111	5.65e5	5.10e6	64.9	29.9	0.111	bb
6	210329R1_6	50.0	1.27	NO	27.23	1.112	1.48e5	1.84e6	47.1	-5.9	0.0803	bb

Compound name: 13C12-Aldrin

Response Factor: 0.135146

RRF SD: 0.006183, Relative SD: 4.57505

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.71	NO	29.49	1.203	3.72e5	3.03e6	45.5	-9.1	0.123	bb
2	210329R1_2	50.0	1.72	NO	29.47	1.203	7.46e5	5.48e6	50.4	0.7	0.136	bb
3	210329R1_3	50.0	1.71	NO	29.49	1.203	4.52e5	3.28e6	50.9	1.8	0.138	bb
4	210329R1_4	50.0	1.74	NO	29.48	1.203	5.82e5	4.24e6	50.8	1.6	0.137	bb
5	210329R1_5	50.0	1.70	NO	29.49	1.203	7.15e5	5.10e6	51.9	3.8	0.140	bb
6	210329R1_6	50.0	1.74	NO	29.47	1.203	2.52e5	1.84e6	50.6	1.2	0.137	bb

Compound name: 13C10-Oxychlorthane

Response Factor: 0.0342549

RRF SD: 0.0019249, Relative SD: 5.61934

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.69	NO	32.21	1.314	1.06e5	3.03e6	51.3	2.6	0.0351	MM
2	210329R1_2	50.0	1.76	NO	32.21	1.315	1.90e5	5.48e6	50.7	1.4	0.0347	db
3	210329R1_3	50.0	1.71	NO	32.23	1.314	1.09e5	3.28e6	48.3	-3.5	0.0331	db
4	210329R1_4	50.0	1.71	NO	32.21	1.314	1.42e5	4.24e6	48.9	-2.1	0.0335	MM
5	210329R1_5	50.0	1.69	NO	32.23	1.314	1.90e5	5.10e6	54.5	8.9	0.0373	db
6	210329R1_6	50.0	1.70	NO	32.23	1.315	5.86e4	1.84e6	46.4	-7.3	0.0318	MM

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Compound name: 13C10-cis-Heptachlor Epoxide

Response Factor: 0.0444932
 RRF SD: 0.00336666, Relative SD: 7.56668
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.74	NO	33.04	1.348	1.38e5	3.03e6	51.2	2.5	0.0456	bb
2	210329R1_2	50.0	1.66	NO	33.04	1.349	2.45e5	5.48e6	50.2	0.4	0.0447	bb
3	210329R1_3	50.0	1.68	NO	33.04	1.348	1.40e5	3.28e6	47.8	-4.4	0.0425	bb
4	210329R1_4	50.0	1.73	NO	33.04	1.348	1.81e5	4.24e6	48.0	-3.9	0.0428	bb
5	210329R1_5	50.0	1.66	NO	33.04	1.348	2.57e5	5.10e6	56.7	13.5	0.0505	bb
6	210329R1_6	50.0	1.70	NO	33.04	1.349	7.55e4	1.84e6	46.0	-8.0	0.0409	bb

Compound name: 13C10-trans-Chlordane (gamma)

Response Factor: 0.0305214
 RRF SD: 0.00116094, Relative SD: 3.8037
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.75	NO	33.98	1.386	9.22e4	3.03e6	49.8	-0.3	0.0304	bb
2	210329R1_2	50.0	1.69	NO	33.98	1.387	1.72e5	5.48e6	51.4	2.8	0.0314	bb
3	210329R1_3	50.0	1.73	NO	33.99	1.387	1.00e5	3.28e6	50.1	0.2	0.0306	bb
4	210329R1_4	50.0	1.82	NO	33.98	1.386	1.34e5	4.24e6	51.8	3.5	0.0316	bb
5	210329R1_5	50.0	2.19	YES	33.98	1.386	2.12e5	5.10e6	68.2	36.3	0.0416	bbX
6	210329R1_6	50.0	1.61	NO	33.98	1.387	5.28e4	1.84e6	46.9	-6.1	0.0286	bb

Compound name: 13C10-trans-Nonachlor

Response Factor: 0.0355663
 RRF SD: 0.00320213, Relative SD: 9.00327
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.78	NO	34.18	1.394	1.03e5	3.03e6	47.7	-4.6	0.0339	bb
2	210329R1_2	50.0	1.72	NO	34.18	1.395	1.93e5	5.48e6	49.5	-1.0	0.0352	bb

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Compound name: 13C10-trans-Nonachlor

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	50.0	1.75	NO	34.20	1.395	1.14e5	3.28e6	48.7	-2.7	0.0346	bb
4	210329R1_4	50.0	1.72	NO	34.18	1.394	1.48e5	4.24e6	49.0	-2.1	0.0348	bb
5	210329R1_5	50.0	1.85	NO	34.18	1.394	2.14e5	5.10e6	58.9	17.8	0.0419	bb
6	210329R1_6	50.0	1.68	NO	34.18	1.395	6.07e4	1.84e6	46.3	-7.4	0.0329	bb

Compound name: 13C9-Endosulfan I (alpha)

Response Factor: 0.0263108

RRF SD: 0.00676279, Relative SD: 25.7035

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.67	NO	34.77	1.418	6.77e4	3.03e6	42.5	-15.1	0.0223	bb
2	210329R1_2	50.0	1.72	NO	34.77	1.419	1.30e5	5.48e6	44.9	-10.1	0.0236	bb
3	210329R1_3	50.0	1.81	NO	34.78	1.419	8.12e4	3.28e6	47.0	-6.0	0.0247	bb
4	210329R1_4	50.0	1.82	NO	34.76	1.418	1.07e5	4.24e6	47.8	-4.4	0.0251	MM
5	210329R1_5	50.0	1.91	NO	34.78	1.419	2.03e5	5.10e6	75.8	51.6	0.0399	MM
6	210329R1_6	50.0	1.77	NO	34.77	1.419	4.08e4	1.84e6	42.0	-16.0	0.0221	bb

Compound name: 13C12-2,4'-DDE

Response Factor: 0.874534

RRF SD: 0.0236303, Relative SD: 2.70205

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.58	NO	34.69	0.996	2.52e6	3.03e6	47.6	-4.7	0.833	bb
2	210329R1_2	50.0	1.58	NO	34.69	0.996	4.87e6	5.48e6	50.9	1.7	0.890	bb
3	210329R1_3	50.0	1.57	NO	34.71	0.996	2.92e6	3.28e6	50.8	1.6	0.889	bb
4	210329R1_4	50.0	1.57	NO	34.69	0.996	3.74e6	4.24e6	50.5	1.0	0.883	bb
5	210329R1_5	50.0	1.58	NO	34.69	0.996	4.59e6	5.10e6	51.5	3.0	0.900	bbX
6	210329R1_6	50.0	1.58	NO	34.69	0.996	1.62e6	1.84e6	50.2	0.3	0.878	bb

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Compound name: 13C12-4,4'-DDE

Response Factor: 0.637037

RRF SD: 0.0218531, Relative SD: 3.43043

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.59	NO	35.80	1.028	1.82e6	3.03e6	47.0	-5.9	0.599	bb
2	210329R1_2	50.0	1.58	NO	35.80	1.028	3.57e6	5.48e6	51.1	2.2	0.651	bb
3	210329R1_3	50.0	1.58	NO	35.82	1.028	2.14e6	3.28e6	51.2	2.3	0.652	bb
4	210329R1_4	50.0	1.59	NO	35.80	1.028	2.70e6	4.24e6	50.1	0.2	0.638	bb
5	210329R1_5	50.0	1.59	NO	35.80	1.028	3.38e6	5.10e6	52.0	4.0	0.663	bbX
6	210329R1_6	50.0	1.59	NO	35.80	1.028	1.19e6	1.84e6	50.6	1.2	0.644	bb

Compound name: 13C12-Dieldrin

Response Factor: 0.0740716

RRF SD: 0.00344741, Relative SD: 4.65416

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.59	NO	36.25	1.041	2.14e5	3.03e6	47.7	-4.5	0.0707	bb
2	210329R1_2	50.0	1.58	NO	36.27	1.041	4.11e5	5.48e6	50.6	1.2	0.0749	bb
3	210329R1_3	50.0	1.60	NO	36.27	1.041	2.39e5	3.28e6	49.2	-1.6	0.0729	bb
4	210329R1_4	50.0	1.64	NO	36.25	1.041	3.17e5	4.24e6	50.5	1.0	0.0748	bb
5	210329R1_5	50.0	1.55	NO	36.27	1.041	4.08e5	5.10e6	54.1	8.1	0.0801	bb
6	210329R1_6	50.0	1.58	NO	36.27	1.041	1.31e5	1.84e6	47.9	-4.1	0.0710	bb

Compound name: 13C12-Endrin

Response Factor: 0.0647885

RRF SD: 0.00520367, Relative SD: 8.03178

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.60	NO	37.69	1.082	2.12e5	3.03e6	54.1	8.2	0.0701	bb
2	210329R1_2	50.0	1.55	NO	37.69	1.082	3.80e5	5.48e6	53.5	7.1	0.0694	bb

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Compound name: 13C12-Endrin

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	50.0	1.63	NO	37.69	1.082	2.11e5	3.28e6	49.5	-1.0	0.0642	bb
4	210329R1_4	50.0	1.58	NO	37.69	1.082	2.65e5	4.24e6	48.2	-3.5	0.0625	bb
5	210329R1_5	50.0	1.59	NO	37.69	1.082	3.40e5	5.10e6	51.4	2.8	0.0666	bb
6	210329R1_6	50.0	1.61	NO	37.69	1.082	1.03e5	1.84e6	43.2	-13.6	0.0560	bb

Compound name: 13C10-cis-Nonachlor

Response Factor: 0.0407535

RRF SD: 0.00375581, Relative SD: 9.21592

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.56	NO	38.01	1.091	1.11e5	3.03e6	45.0	-10.1	0.0366	bb
2	210329R1_2	50.0	1.59	NO	38.01	1.091	2.25e5	5.48e6	50.4	0.7	0.0410	bb
3	210329R1_3	50.0	1.64	NO	38.02	1.091	1.34e5	3.28e6	50.0	-0.1	0.0407	bb
4	210329R1_4	50.0	1.62	NO	38.00	1.091	1.74e5	4.24e6	50.4	0.8	0.0411	bb
5	210329R1_5	50.0	1.81	NO	38.01	1.091	2.42e5	5.10e6	58.1	16.3	0.0474	bb
6	210329R1_6	50.0	1.63	NO	38.02	1.091	6.94e4	1.84e6	46.2	-7.6	0.0377	bb

Compound name: 13C9-Endosulfan II

Response Factor: 0.0130292

RRF SD: 0.00125586, Relative SD: 9.63882

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.58	NO	38.73	1.112	3.54e4	3.03e6	44.9	-10.3	0.0117	bb
2	210329R1_2	50.0	1.55	NO	38.73	1.112	7.23e4	5.48e6	50.6	1.3	0.0132	bb
3	210329R1_3	50.0	1.82	NO	38.75	1.112	4.35e4	3.28e6	50.8	1.7	0.0132	bb
4	210329R1_4	50.0	1.75	NO	38.73	1.112	6.32e4	4.24e6	57.2	14.5	0.0149	bb
5	210329R1_5	50.0	2.13	YES	38.75	1.112	1.40e5	5.10e6	106	111.1	0.0275	bbX
6	210329R1_6	50.0	1.67	NO	38.75	1.112	2.23e4	1.84e6	46.4	-7.2	0.0121	bb

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Compound name: 13C12-2,4'-DDD

Response Factor: 0.686524
RRF SD: 0.0198422, Relative SD: 2.89024
Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.55	NO	36.97	1.508	2.14e6	3.03e6	51.5	3.0	0.707	bb
2	210329R1_2	50.0	1.55	NO	36.97	1.509	3.85e6	5.48e6	51.1	2.3	0.702	bb
3	210329R1_3	50.0	1.54	NO	36.98	1.508	2.25e6	3.28e6	49.9	-0.1	0.686	bb
4	210329R1_4	50.0	1.54	NO	36.97	1.508	2.88e6	4.24e6	49.5	-0.9	0.680	bb
5	210329R1_5	50.0	1.53	NO	36.97	1.508	3.82e6	5.10e6	54.6	9.1	0.749	bbX
6	210329R1_6	50.0	1.53	NO	36.97	1.509	1.21e6	1.84e6	47.9	-4.3	0.657	bb

Compound name: 13C12-2,4'-DDT

Response Factor: 0.38253
RRF SD: 0.0537496, Relative SD: 14.0511
Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.85	NO	38.11	1.554	1.02e6	3.03e6	43.9	-12.2	0.336	bd
2	210329R1_2	50.0	1.85	NO	38.11	1.555	1.86e6	5.48e6	44.4	-11.1	0.340	bd
3	210329R1_3	50.0	1.81	NO	38.11	1.554	1.19e6	3.28e6	47.2	-5.5	0.361	bd
4	210329R1_4	50.0	1.81	NO	38.11	1.554	1.66e6	4.24e6	51.3	2.5	0.392	bd
5	210329R1_5	50.0	1.77	NO	38.11	1.554	2.46e6	5.10e6	63.0	26.0	0.482	bd
6	210329R1_6	50.0	1.82	NO	38.11	1.555	7.08e5	1.84e6	50.2	0.4	0.384	bd

Compound name: 13C12-4,4'-DDD

Response Factor: 0.591924
RRF SD: 0.0138644, Relative SD: 2.34226
Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.54	NO	38.24	1.560	1.78e6	3.03e6	49.6	-0.9	0.587	db
2	210329R1_2	50.0	1.55	NO	38.26	1.561	3.33e6	5.48e6	51.3	2.6	0.607	db

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Compound name: 13C12-4,4'-DDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	50.0	1.53	NO	38.26	1.560	1.97e6	3.28e6	50.6	1.3	0.600	db
4	210329R1_4	50.0	1.54	NO	38.26	1.560	2.52e6	4.24e6	50.3	0.5	0.595	db
5	210329R1_5	50.0	1.55	NO	38.26	1.560	3.40e6	5.10e6	56.3	12.6	0.667	dbX
6	210329R1_6	50.0	1.58	NO	38.26	1.561	1.05e6	1.84e6	48.2	-3.5	0.571	db

Compound name: 13C12-4,4'-DDT

Response Factor: 0.281267

RRF SD: 0.0630195, Relative SD: 22.4056

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.56	NO	39.33	1.604	6.50e5	3.03e6	38.1	-23.7	0.215	bb
2	210329R1_2	50.0	1.56	NO	39.33	1.605	1.28e6	5.48e6	41.5	-16.9	0.234	bb
3	210329R1_3	50.0	1.55	NO	39.34	1.605	8.62e5	3.28e6	46.7	-6.6	0.263	db
4	210329R1_4	50.0	1.56	NO	39.33	1.604	1.26e6	4.24e6	52.8	5.5	0.297	bb
5	210329R1_5	50.0	1.55	NO	39.33	1.604	2.00e6	5.10e6	69.9	39.8	0.393	bb
6	210329R1_6	50.0	1.56	NO	39.33	1.605	5.29e5	1.84e6	51.0	1.9	0.287	bb

Compound name: 13C9-Endosulfan Sulfate

Response Factor: 0.0163487

RRF SD: 0.00223203, Relative SD: 13.6526

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.63	NO	40.50	1.163	3.83e4	3.03e6	38.6	-22.8	0.0126	bb
2	210329R1_2	50.0	1.56	NO	40.50	1.163	8.72e4	5.48e6	48.7	-2.7	0.0159	bb
3	210329R1_3	50.0	1.54	NO	40.50	1.163	5.35e4	3.28e6	49.8	-0.3	0.0163	bb
4	210329R1_4	50.0	1.55	NO	40.49	1.162	7.20e4	4.24e6	51.9	3.9	0.0170	bb
5	210329R1_5	50.0	1.57	NO	40.51	1.163	9.98e4	5.10e6	59.8	19.7	0.0196	bb
6	210329R1_6	50.0	1.57	NO	40.50	1.163	3.08e4	1.84e6	51.1	2.2	0.0167	bb

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210329R1\210329R1_CURVE.qld

Last Altered: Wednesday, March 31, 2021 11:34:52 Pacific Daylight Time

Printed: Wednesday, March 31, 2021 11:35:49 Pacific Daylight Time

Compound name: 13C12-Methoxychlor

Response Factor: 0.297219

RRF SD: 0.0583778, Relative SD: 19.6414

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	500	21.51	NO	42.38	1.216	6.15e6	3.03e6	342	-31.7	0.203	bb
2	210329R1_2	500	21.06	NO	42.38	1.216	1.54e7	5.48e6	473	-5.4	0.281	bb
3	210329R1_3	500	20.74	NO	42.39	1.217	1.04e7	3.28e6	533	6.7	0.317	bb
4	210329R1_4	500	20.62	NO	42.37	1.216	1.46e7	4.24e6	580	16.0	0.345	bb
5	210329R1_5	500	21.55	NO	42.38	1.216	2.23e7	5.10e6	734	46.9	0.437	bbX
6	210329R1_6	500	20.40	NO	42.39	1.217	6.27e6	1.84e6	572	14.4	0.340	bb

Compound name: 13C10-Mirex

Response Factor: 0.177147

RRF SD: 0.0249073, Relative SD: 14.0602

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.59	NO	42.80	1.229	3.99e5	3.03e6	37.2	-25.7	0.132	bb
2	210329R1_2	50.0	1.57	NO	42.80	1.229	9.11e5	5.48e6	46.9	-6.1	0.166	bb
3	210329R1_3	50.0	1.59	NO	42.82	1.229	6.19e5	3.28e6	53.2	6.4	0.189	bb
4	210329R1_4	50.0	1.56	NO	42.80	1.229	7.84e5	4.24e6	52.2	4.4	0.185	bb
5	210329R1_5	50.0	1.56	NO	42.80	1.229	1.02e6	5.10e6	56.4	12.9	0.200	bb
6	210329R1_6	50.0	1.62	NO	42.80	1.229	3.53e5	1.84e6	54.0	8.1	0.191	bb

Compound name: 13C12-Endrin Aldehyde

Response Factor: 0.0291979

RRF SD: 0.00222222, Relative SD: 7.61091

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	500	0.44	NO	39.89	1.145	7.62e5	3.03e6	431	-13.8	0.0252	MM
2	210329R1_2	500	0.47	NO	39.89	1.145	1.68e6	5.48e6	524	4.8	0.0306	MM

Vista Analytical Laboratory

Dataset: U:\VG12.PRO\Results\210329R1\210329R1_CURVE.qld

Last Altered: Wednesday, March 31, 2021 11:34:52 Pacific Daylight Time

Printed: Wednesday, March 31, 2021 11:35:49 Pacific Daylight Time

Compound name: 13C12-Endrin Aldehyde

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	210329R1_3	500	0.47	NO	39.90	1.145	9.98e5	3.28e6	520	4.1	0.0304	MM
4	210329R1_4	500	0.46	NO	39.89	1.145	1.22e6	4.24e6	492	-1.7	0.0287	MM
5	210329R1_5	500	0.49	NO	39.89	1.145	1.60e6	5.10e6	537	7.4	0.0314	MM
6	210329R1_6	500	0.45	NO	39.89	1.145	5.34e5	1.84e6	496	-0.8	0.0290	MM

Compound name: 13C12-Endrin Ketone

Response Factor: 0.0270904

RRF SD: 0.00277782, Relative SD: 10.2539

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	500	0.46	NO	42.96	1.233	6.68e5	3.03e6	407	-18.6	0.0220	bb
2	210329R1_2	500	0.46	NO	42.96	1.233	1.47e6	5.48e6	496	-0.8	0.0269	bb
3	210329R1_3	500	0.45	NO	42.97	1.234	9.02e5	3.28e6	507	1.5	0.0275	bb
4	210329R1_4	500	0.46	NO	42.96	1.233	1.18e6	4.24e6	514	2.8	0.0279	bb
5	210329R1_5	500	0.48	NO	42.96	1.233	1.56e6	5.10e6	564	12.7	0.0305	bb
6	210329R1_6	500	0.43	NO	42.97	1.234	5.11e5	1.84e6	512	2.4	0.0277	bb

Compound name: 13C-PCB-15

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	210329R1_1	50.0	1.56	NO	24.52	1.000	3.03e6	3.03e6	50.0	0.0	1.00	bb
2	210329R1_2	50.0	1.57	NO	24.50	1.000	5.48e6	5.48e6	50.0	0.0	1.00	bb
3	210329R1_3	50.0	1.56	NO	24.52	1.000	3.28e6	3.28e6	50.0	0.0	1.00	bb
4	210329R1_4	50.0	1.56	NO	24.52	1.000	4.24e6	4.24e6	50.0	0.0	1.00	bb
5	210329R1_5	50.0	1.56	NO	24.52	1.000	5.10e6	5.10e6	50.0	0.0	1.00	bb
6	210329R1_6	50.0	1.57	NO	24.50	1.000	1.84e6	1.84e6	50.0	0.0	1.00	bb

Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:36:52 PM Pacific Daylight Time

Printed: Wednesday, March 31, 2021 12:37:20 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

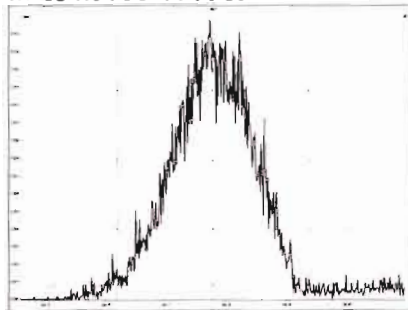
Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	210329R1_1	ST210329R1_1 1699 CS1 20B2101	29-Mar-21	17:35:36
2	210329R1_2	ST210329R1_2 1699 CS2 20B2102	29-Mar-21	18:25:12
3	210329R1_3	ST210329R1_3 1699 CS3.5 20B2104	29-Mar-21	19:09:57
4	210329R1_4	ST210329R1_4 1699 CS4 20B2105	29-Mar-21	19:57:48
5	210329R1_5	ST210329R1_5 1699 CS5 20B2106	29-Mar-21	20:45:40
6	210329R1_6	ST210329R1_6 1699 CS3 21C0402	29-Mar-21	21:33:31
7	210329R1_7	SS210329R1_1 1699 SSS 20B2107	29-Mar-21	22:21:21
8	210329R1_8	GC210329R1_1 1699 GC BREAK	29-Mar-21	23:09:14

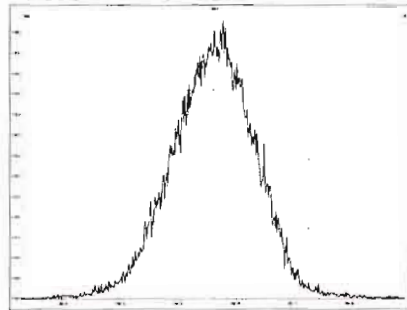
File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 1 @ 250 (ppm)

Printed: Monday, March 29, 2021 17:30:14 Pacific Daylight Time

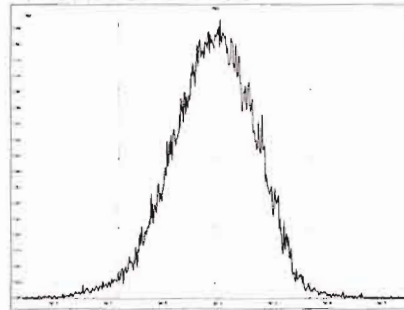
M 254.9856 R 8929



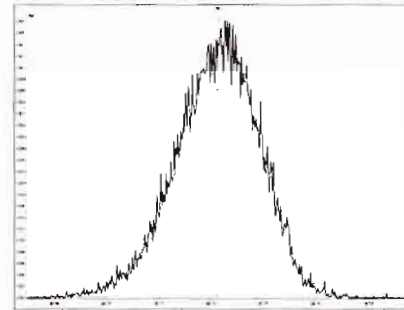
M 268.9824 R 8266



M 280.9824 R 7999



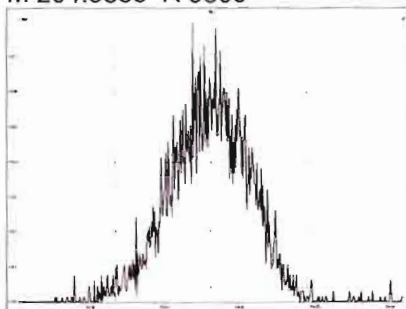
M 292.9824 R 8163



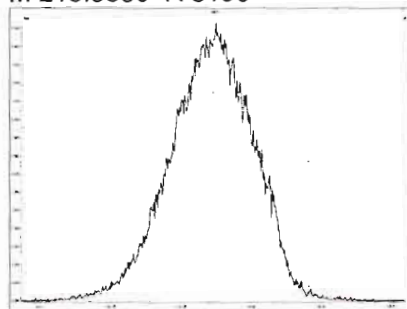
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Printed: Monday, March 29, 2021 17:31:24 Pacific Daylight Time

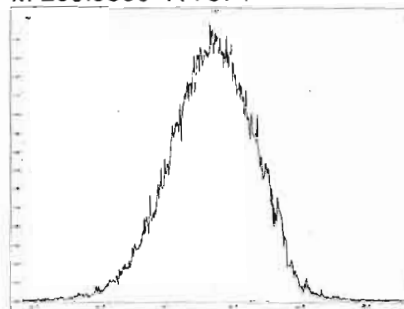
M 204.9888 R 9803



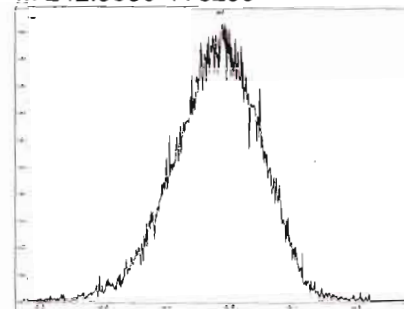
M 218.9856 R 8196



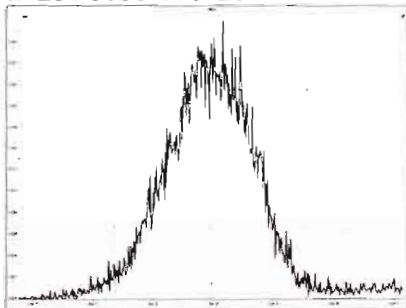
M 230.9856 R 7874



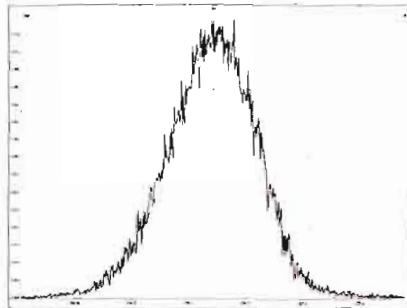
M 242.9856 R 8299



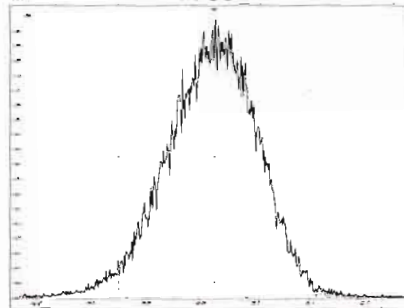
M 254.9856 R 8129



M 268.9824 R 7719



M 280.9824 R 7300



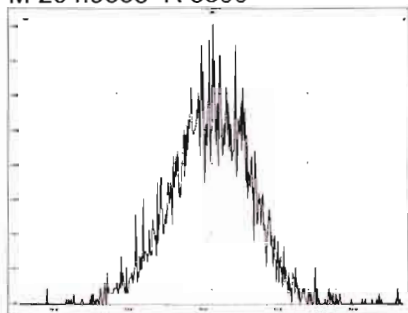
Experiment Calibration Report

MassLynx 4.1 SCN815

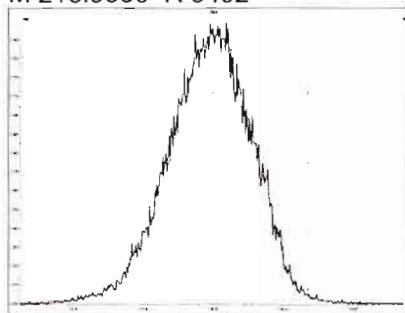
File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 3 @ 250 (ppm)

Printed: Monday, March 29, 2021 17:32:14 Pacific Daylight Time

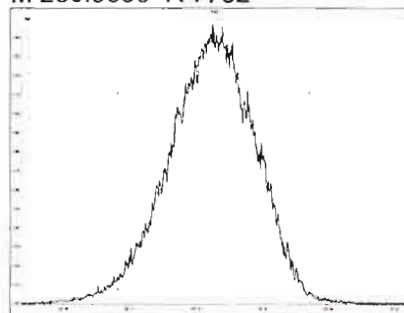
M 204.9888 R 8300



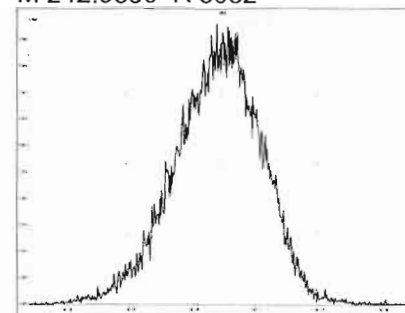
M 218.9856 R 8402



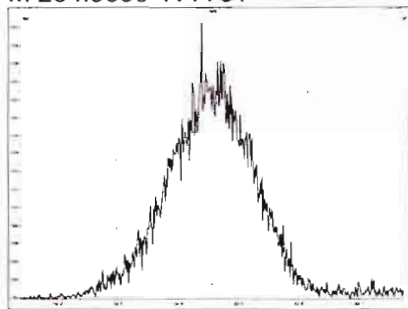
M 230.9856 R 7752



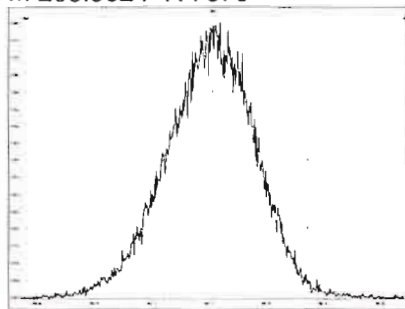
M 242.9856 R 8032



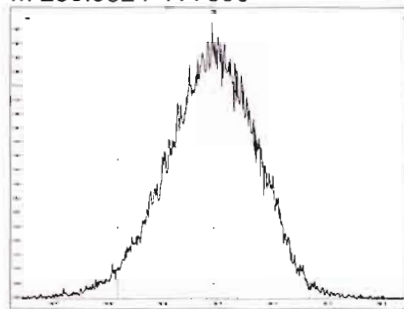
M 254.9856 R 7751



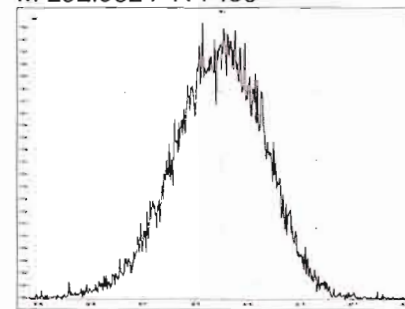
M 268.9824 R 7576



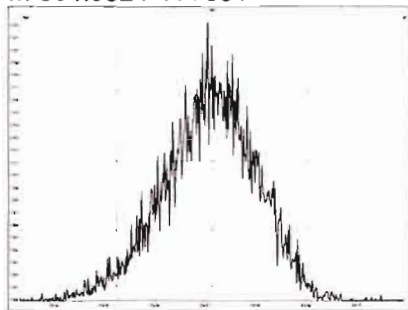
M 280.9824 R 7300



M 292.9824 R 7436



M 304.9824 R 7091



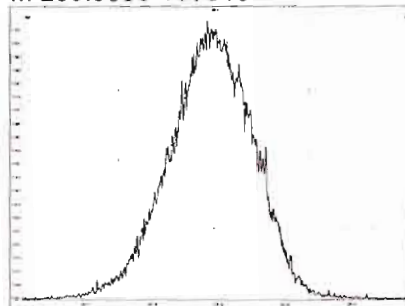
Experiment Calibration Report

MassLynx 4.1 SCN815

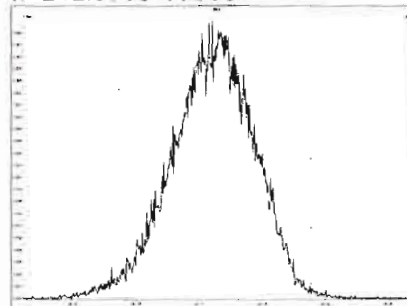
File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Monday, March 29, 2021 17:33:11 Pacific Daylight Time

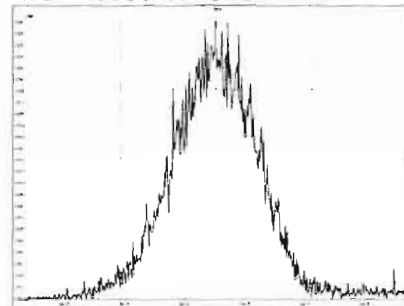
M 230.9856 R 7810



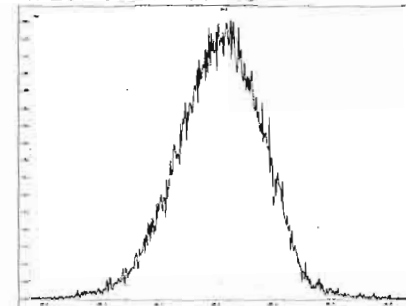
M 242.9856 R 8031



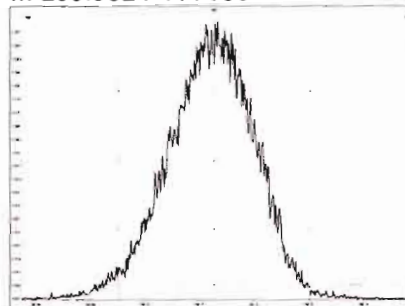
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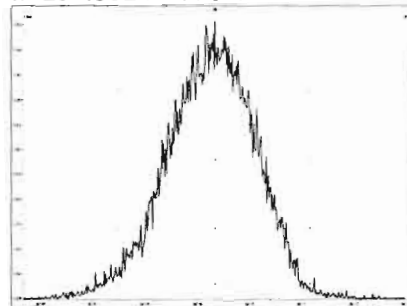
M 268.9824 R 7749



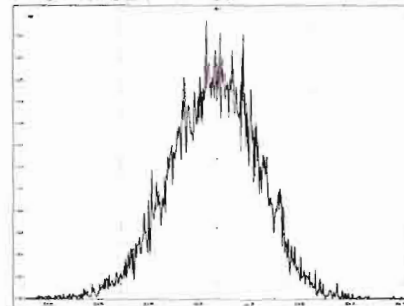
M 280.9824 R 7690



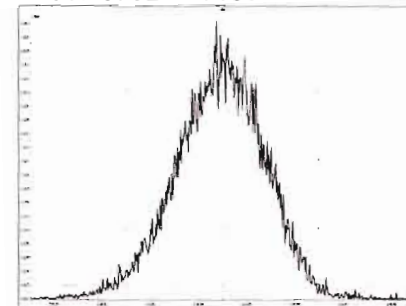
M 292.9824 R 7842



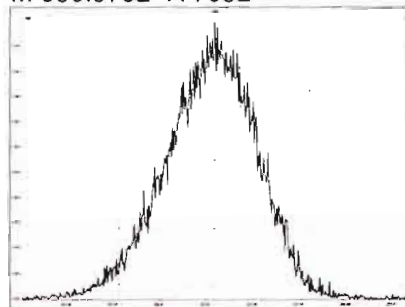
M 304.9824 R 7691



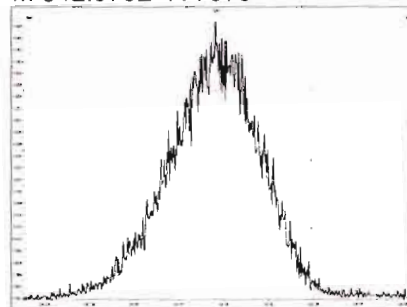
M 318.9792 R 7693



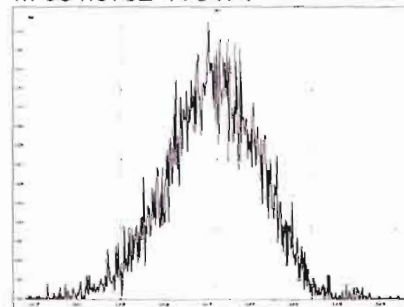
M 330.9792 R 7632



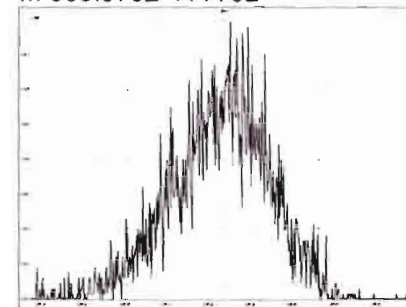
M 342.9792 R 7379



M 354.9792 R 8474



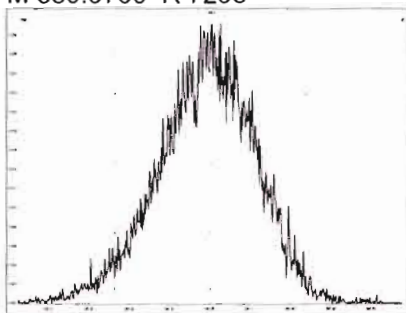
M 366.9792 R 7752



File: Experiment: 1699_ZB50_10K.exp Reference: Pfk.ref Function: 4 @ 250 (ppm)

Printed: Monday, March 29, 2021 17:33:11 Pacific Daylight Time

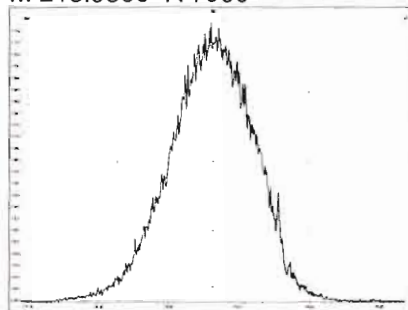
M 380.9760 R 7298



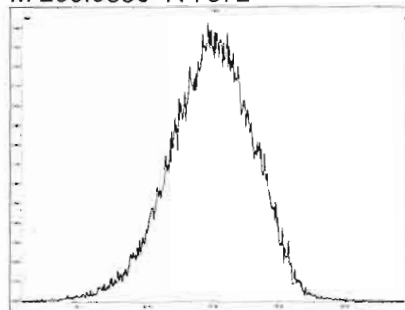
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Printed: Monday, March 29, 2021 17:34:00 Pacific Daylight Time

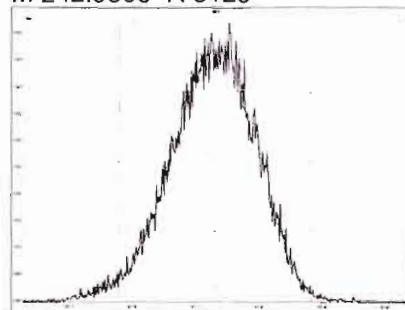
M 218.9856 R 7999



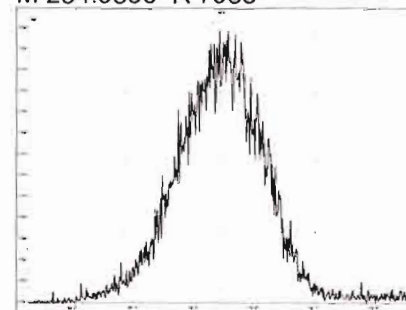
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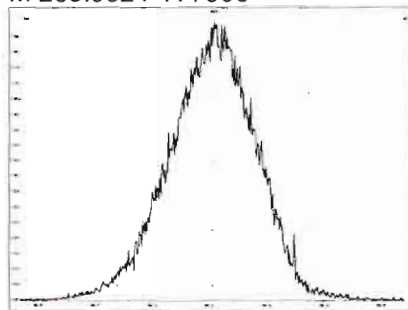
M 242.9856 R 8129



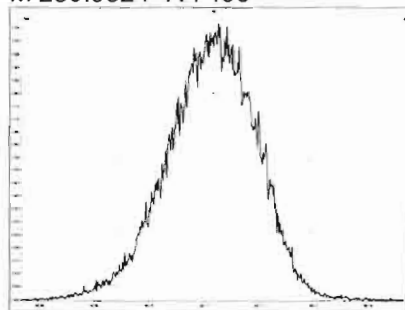
M 254.9856 R 7938



M 268.9824 R 7906



M 280.9824 R 7406



Dataset: U:\VG12.PRO\Results\210329R1\210329R1_GCBREAK.qld

Last Altered: Wednesday, March 31, 2021 12:53:00 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:55:02 PM Pacific Daylight Time

HIN 03/31/21

Hz 3.31.2021

Method: U:\VG12.PRO\MethDB\1699_GC-break.mdb 13 Jan 2021 17:29:44

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

Name: 210329R1_8, Date: 29-Mar-2021, Time: 23:09:14, ID: GC210329R1_1 1699 GC BREAK, Description: GC BREAK

#	Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde	2.44e3	0.59	NO	39.90
2	2 Endrin Ketone	1.97e3	0.82	YES	42.97
3	3 Endrin	7.71e4	1.59	NO	37.71
4	4 4,4'-DDE				
5	5 4,4'-DDD	1.74e4	1.47	NO	38.29
6	6 4,4'-DDT	7.24e5	1.45	NO	39.34

$$\frac{EA + EK}{E} \times 100\% = 5.72\%$$

$$\frac{DDE + DDD}{DDT} \times 100\% = 2.40\%$$

Dataset: Untitled

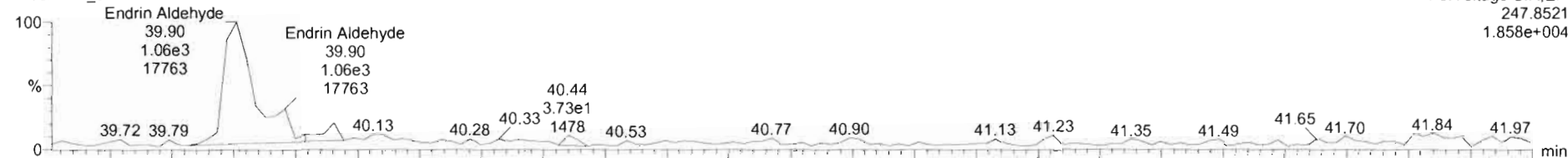
Last Altered: Wednesday, March 31, 2021 12:40:55 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:41:11 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1699_GC-break.mdb 13 Jan 2021 17:29:44
Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

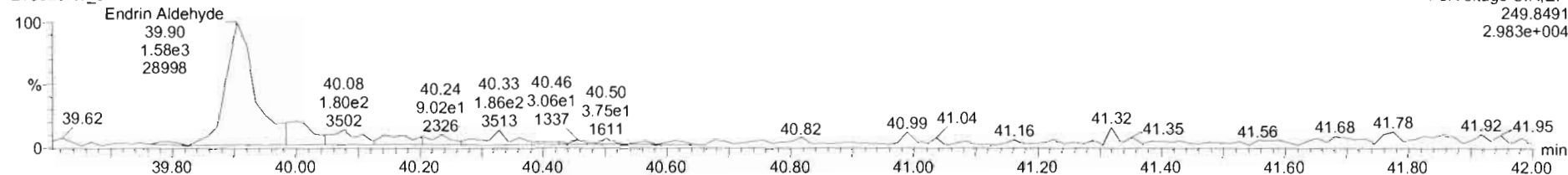
Name: 210329R1_8, Date: 29-Mar-2021, Time: 23:09:14, ID: GC210329R1_1 1699 GC BREAK, Description: GC BREAK

Endrin Aldehyde

210329R1_8

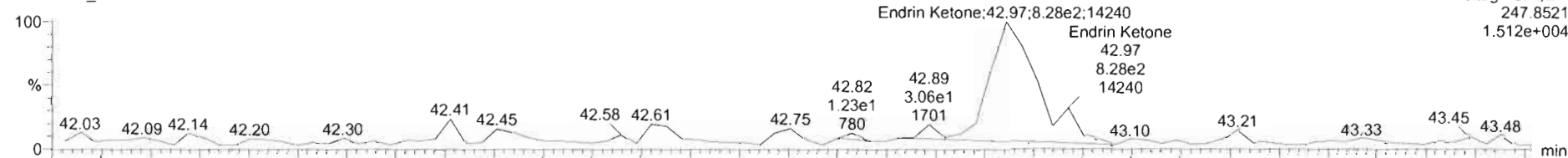


210329R1_8

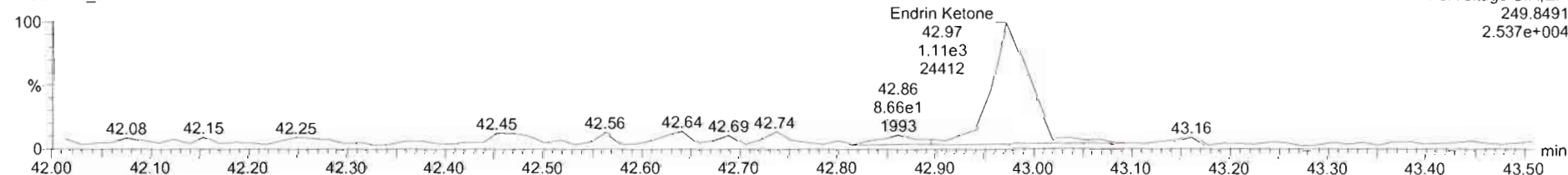


Endrin Ketone

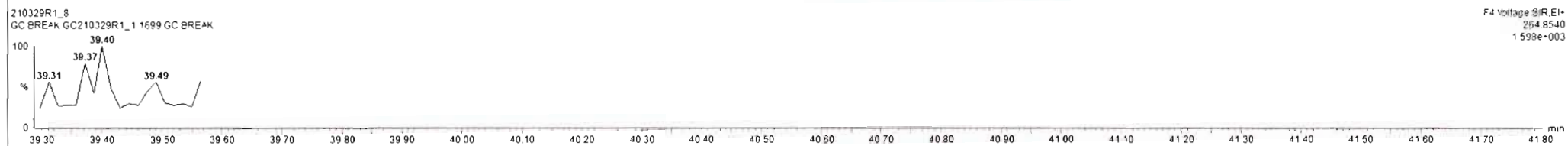
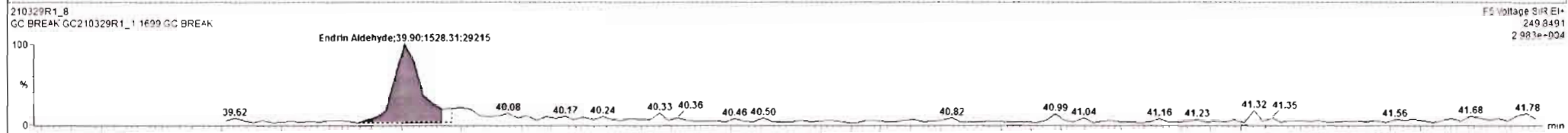
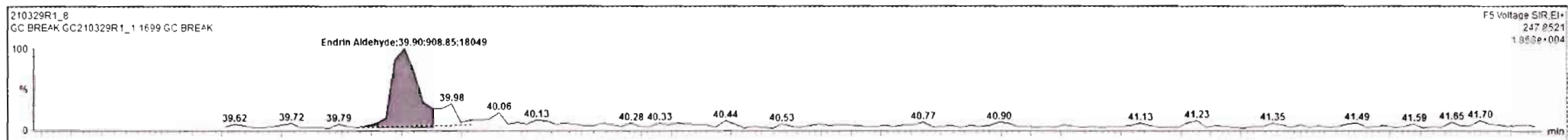
210329R1_8



210329R1_8

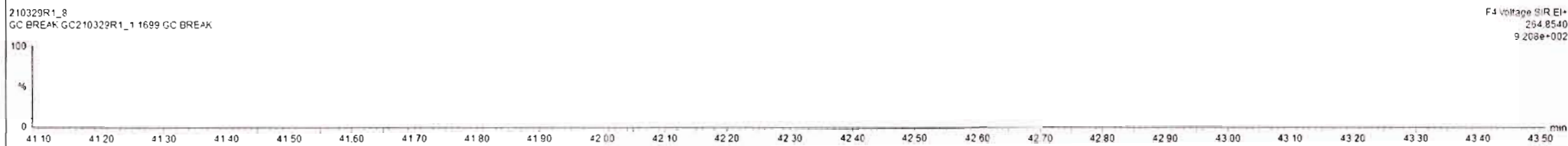
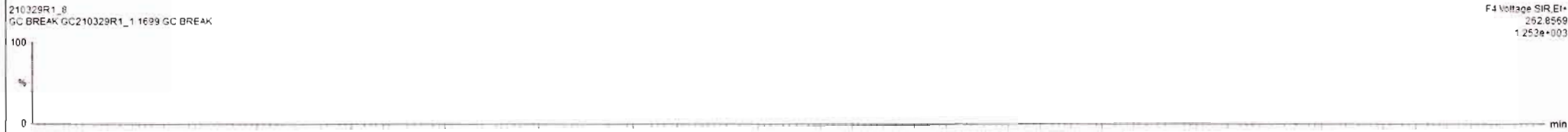
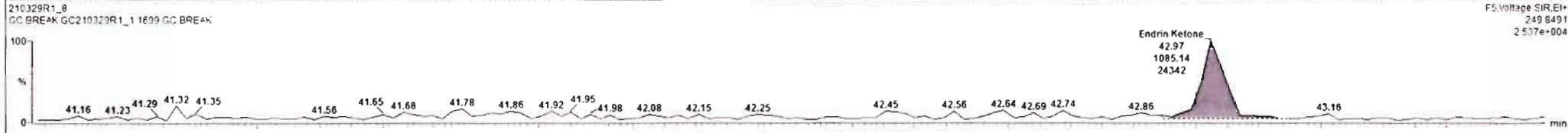
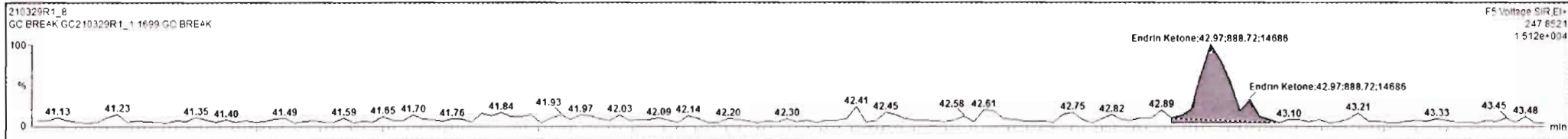


Name	Resp	RA	nVy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 Endrin Aldehyde	2.44e3	0.59	NO		1.000	39.90	0.000				
2 Endrin Ketone	1.94e3	0.75	NO		1.000	42.97	0.000				
3 Endrin	7.71e4	1.59	NO		1.000	37.71	0.000				
4 4,4'-DDE	2.42e3		NO		1.000	35.82	0.000				
5 4,4'-DDD	2.33e4	1.50	NO		1.000	38.29	0.000				
6 4,4'-DDT	7.24e5	1.45	NO		1.000	39.34	0.000				
7 PFKA					1.000						
8 PFKS											



210329R1_8 - GC210329R1_1 1699 GC BREAK - GC BREAK

#	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	Endrin Aldehyde	2.44e3	0.59	NO		1.000	39.90	0.000				
2	Endrin Ketone	1.97e3	0.82	YES		1.000	42.97	0.000				
3	Endrin	7.71e4	1.59	NO		1.000	37.71	0.000				
4	4,4'-DDE	2.42e3		NO		1.000	35.82	0.000				
5	4,4'-DDD	2.33e4	1.50	NO		1.000	38.29	0.000				
6	4,4'-DDT	7.24e5	1.45	NO		1.000	39.34	0.000				
7	PFK4					1.000						
8	PFK5											



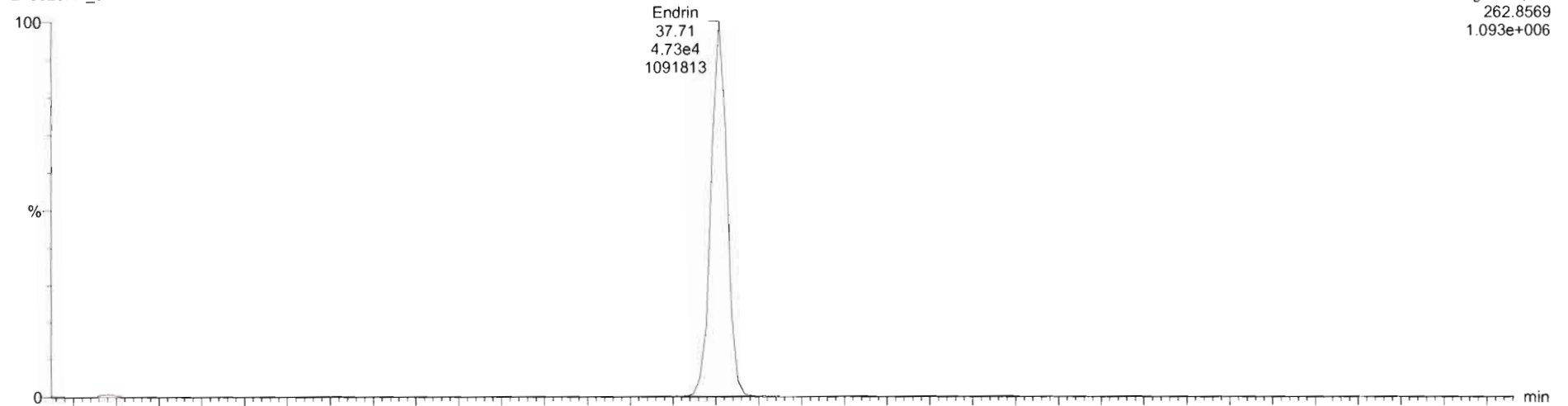
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Last Altered: Wednesday, March 31, 2021 12:40:55 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:41:11 PM Pacific Daylight Time

Name: 210329R1_8, Date: 29-Mar-2021, Time: 23:09:14, ID: GC210329R1_1 1699 GC BREAK, Description: GC BREAK

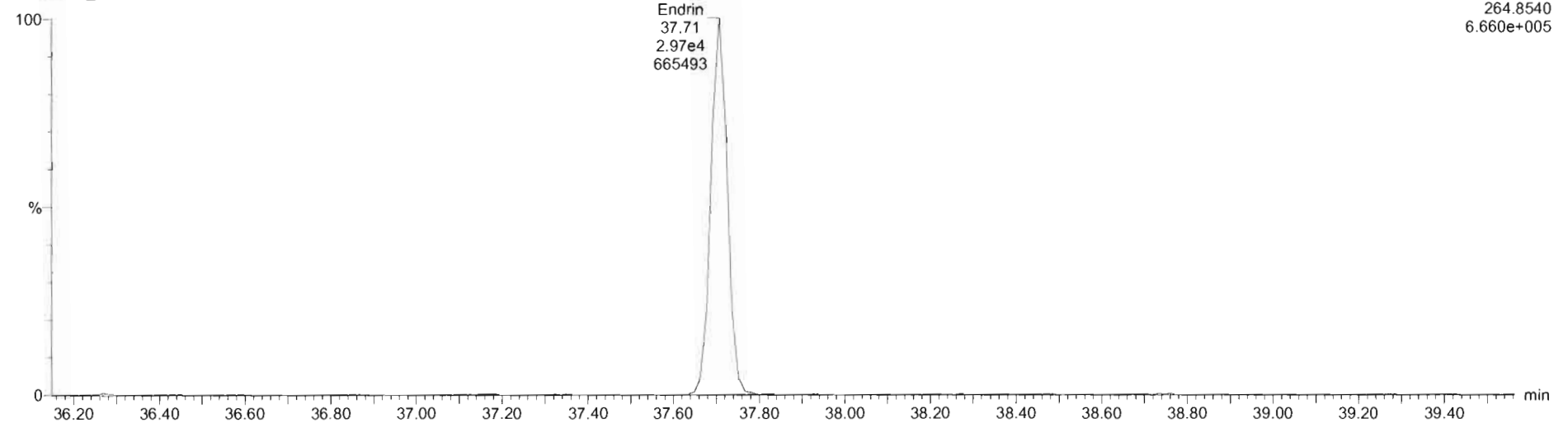
Endrin

210329R1_8



F4:Voltage SIR,EI+
262.8569
1.093e+006

210329R1_8



F4:Voltage SIR,EI+
264.8540
6.660e+005

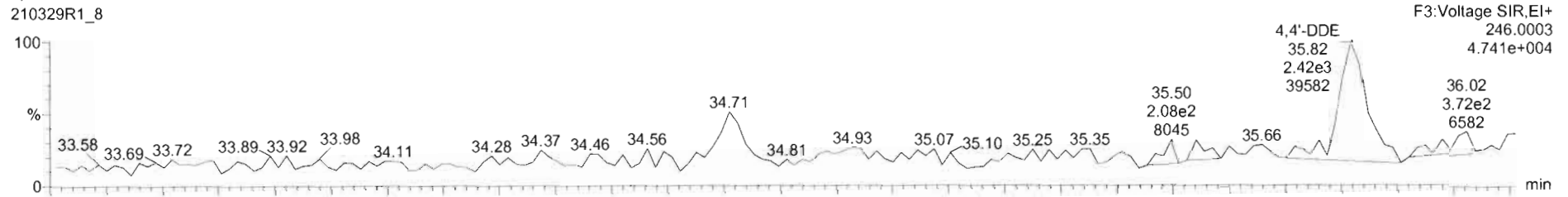
Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:40:55 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:41:11 PM Pacific Daylight Time

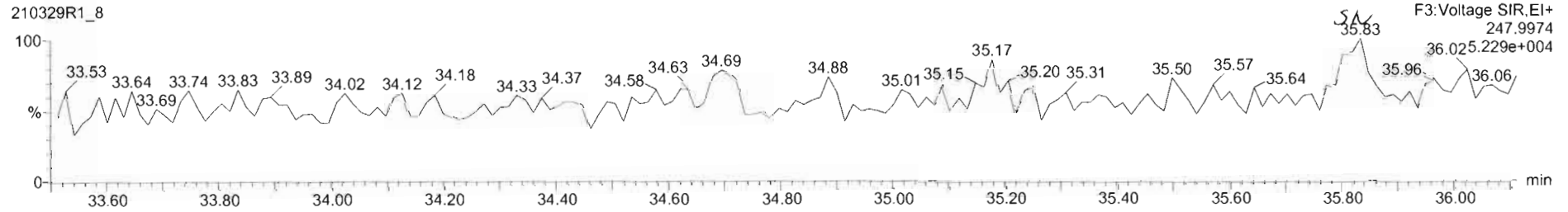
Name: 210329R1_8, Date: 29-Mar-2021, Time: 23:09:14, ID: GC210329R1_1 1699 GC BREAK, Description: GC BREAK

4,4'-DDE

210329R1_8

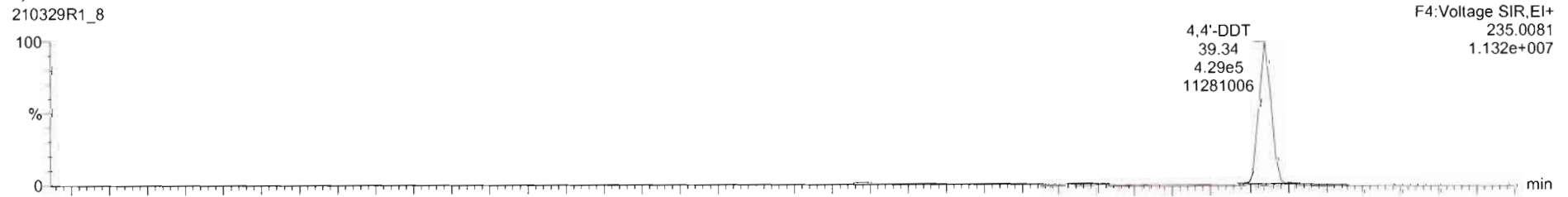


210329R1_8

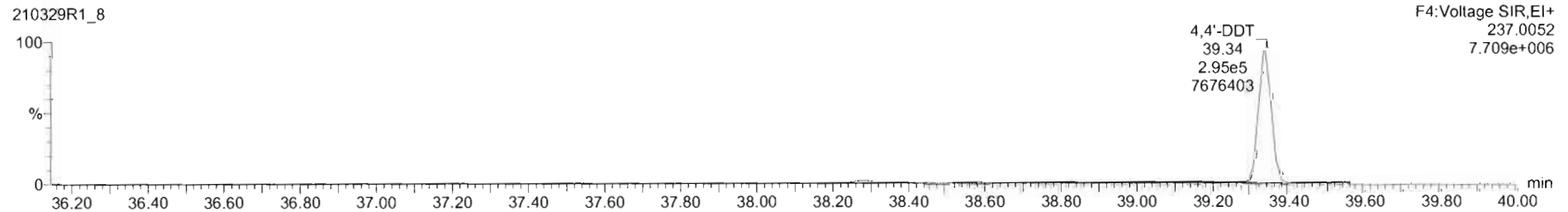


4,4'-DDD

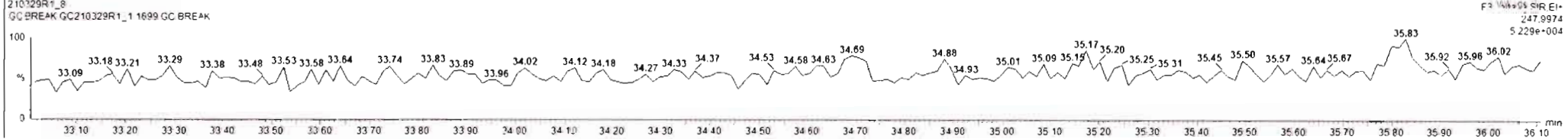
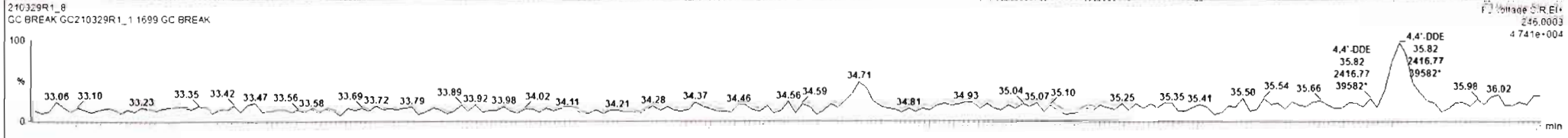
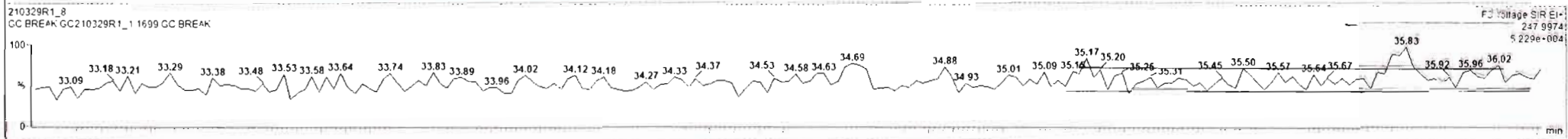
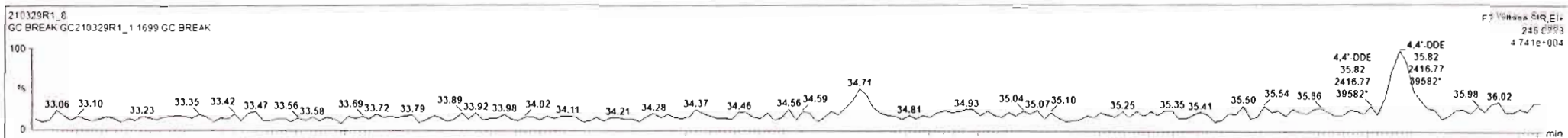
210329R1_8



210329R1_8



#	Name	Resp	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	Endnn Aldehyde	2.44e3	0.59	NO		1.000	39.90	0.000				
2	Endnn Ketone	1.97e3	0.82	YES		1.000	42.97	0.000				
3	Endrin	7.71e4	1.59	NO		1.000	37.71	0.000				
4	4,4'-DDE	2.42e3		NO		1.000	35.82	0.000				
5	4,4'-DDD	2.33e4	1.50	NO		1.000	38.29	0.000				
6	4,4'-DDT	7.24e5	1.45	NO		1.000	39.34	0.000				
7	PFK4					1.000						
8	PFK5											



Dataset: Untitled

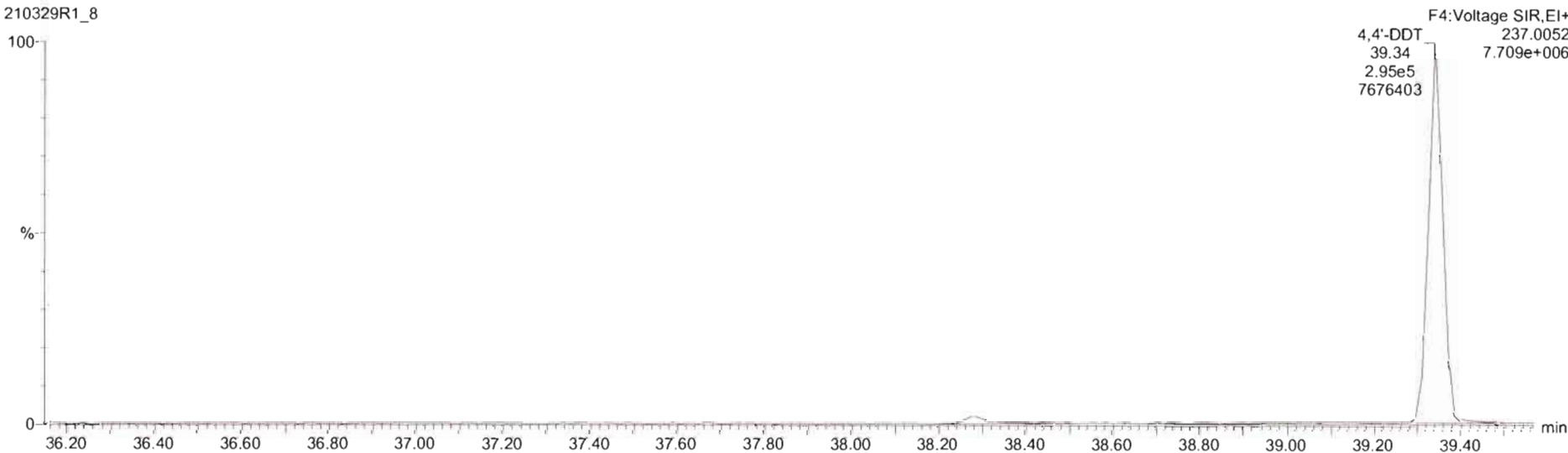
Last Altered: Wednesday, March 31, 2021 12:40:55 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:41:11 PM Pacific Daylight Time

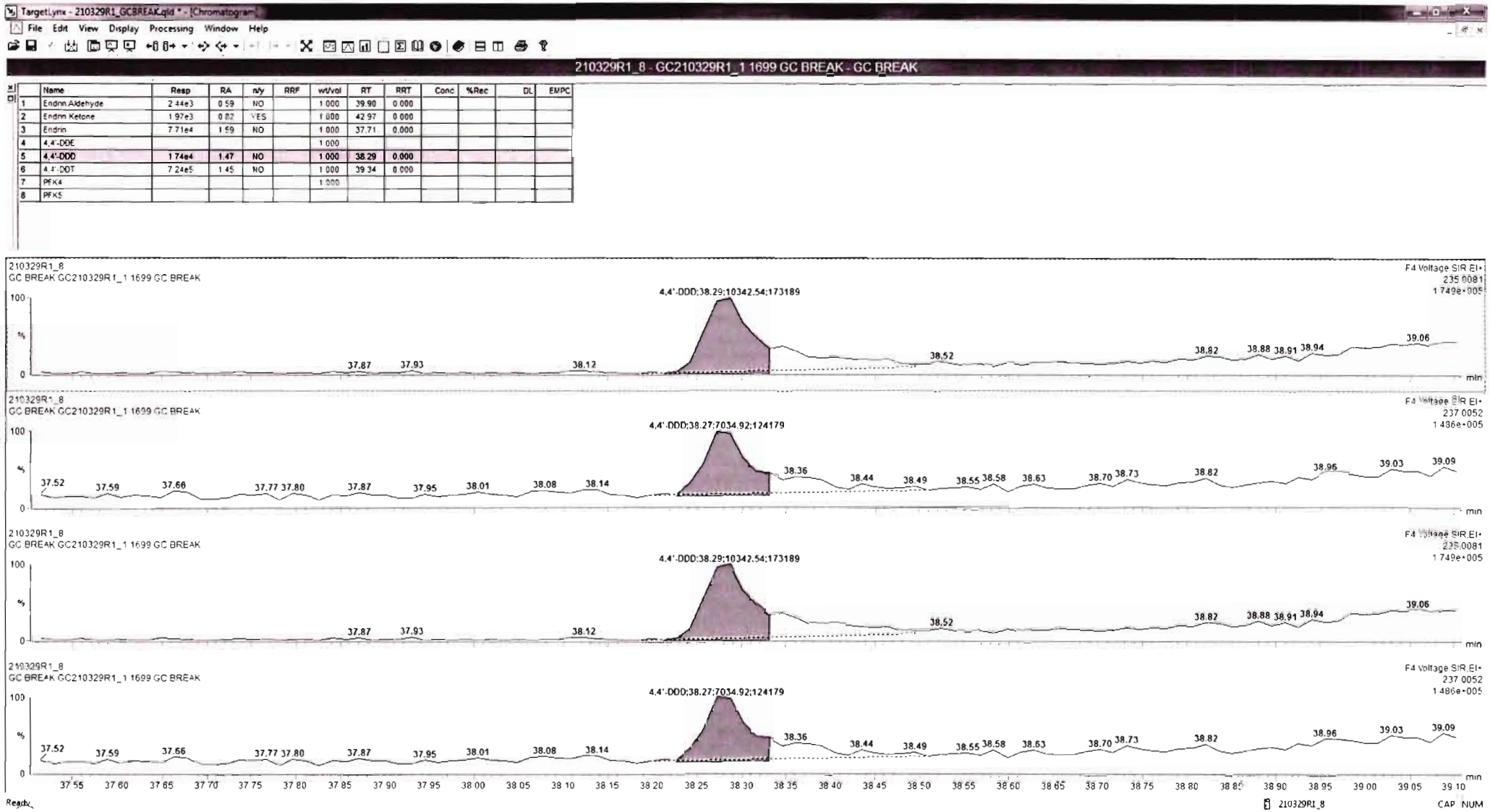
Name: 210329R1_8, Date: 29-Mar-2021, Time: 23:09:14, ID: GC210329R1_1 1699 GC BREAK, Description: GC BREAK

4,4'-DDT
210329R1_8



210329R1_8





Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

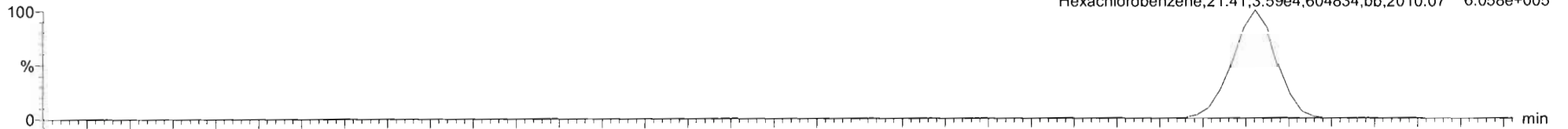
Name: 210329R1_1, Date: 29-Mar-2021, Time: 17:35:36, ID: ST210329R1_1 1699 CS1 20B2101, Description: 1699 CS1 20B2101

Hexachlorobenzene

210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F1:Voltage SIR,EI+
283.8102

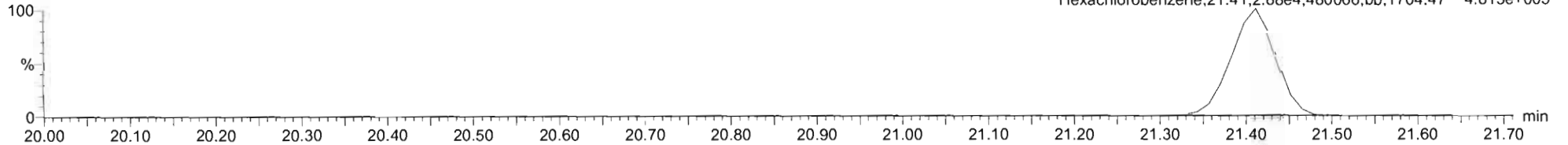
Hexachlorobenzene;21.41;3.59e4;604834;bb;2010.07 6.058e+005



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F1:Voltage SIR,EI+
285.8072

Hexachlorobenzene;21.41;2.88e4;480066;bb;1704.47 4.813e+005



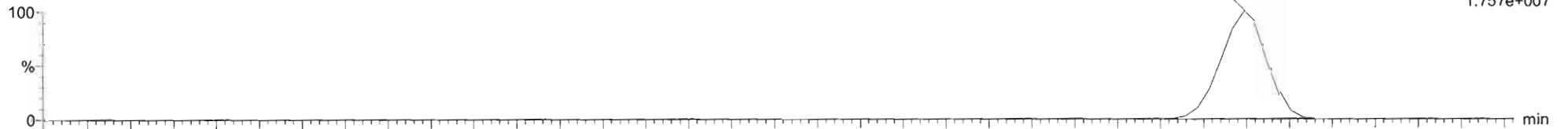
13C6-Hexachlorobenzene

210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F1:Voltage SIR,EI+
289.8303

13C6-Hexachlorobenzene;21.40;1.09e6;17551188;bb;46168.90

1.757e+007

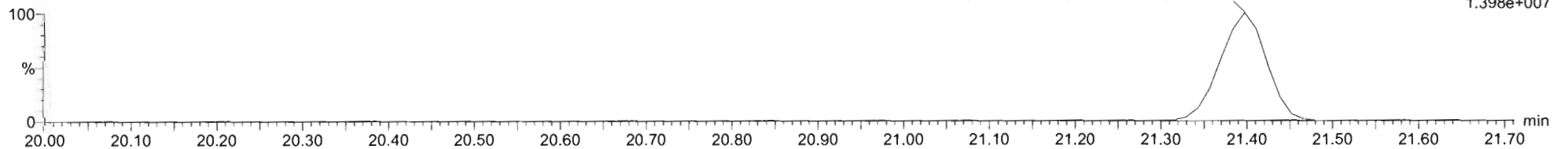


210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F1:Voltage SIR,EI+
291.8273

13C6-Hexachlorobenzene;21.40;8.60e5;13966885;bb;61388.86

1.398e+007



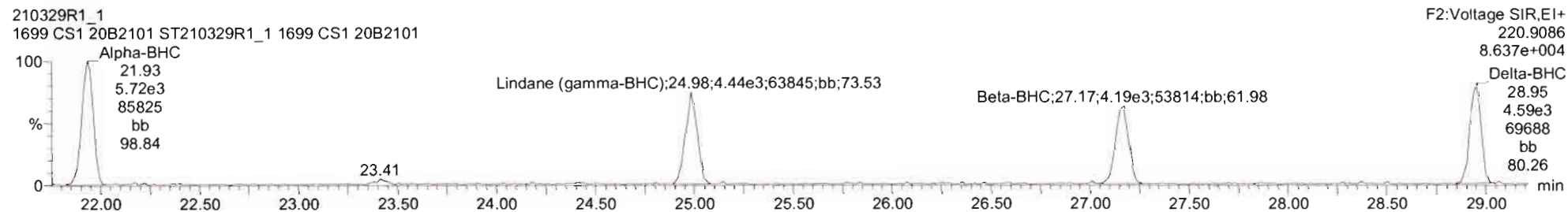
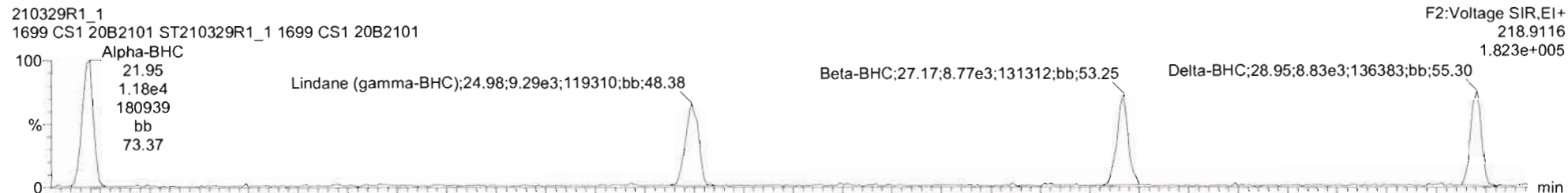
Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

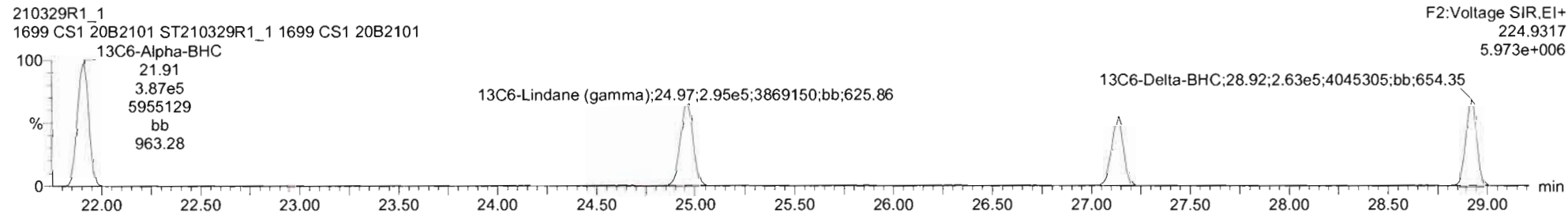
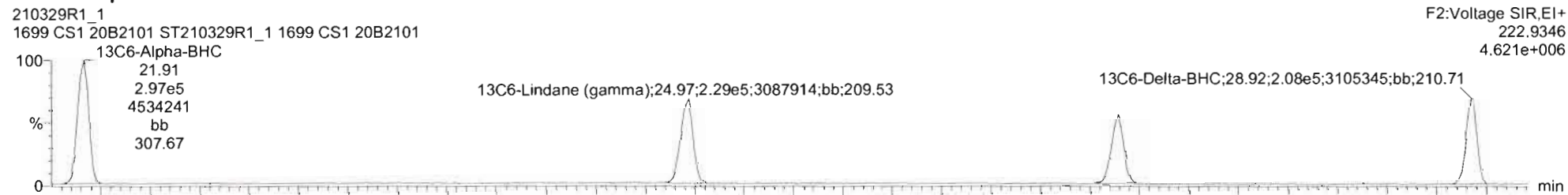
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_1, Date: 29-Mar-2021, Time: 17:35:36, ID: ST210329R1_1 1699 CS1 20B2101, Description: 1699 CS1 20B2101

BHC Totals



BHC-isotopes



Dataset: Untitled

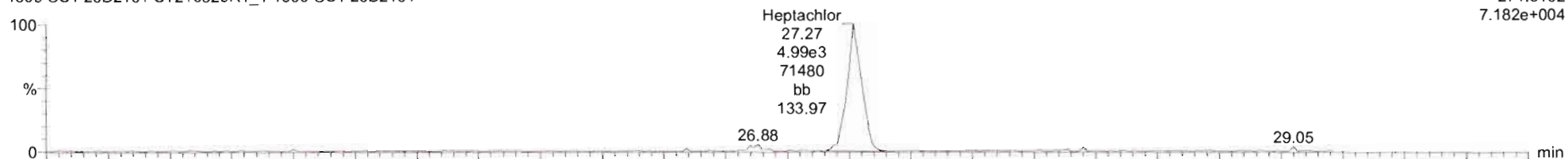
Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_1, Date: 29-Mar-2021, Time: 17:35:36, ID: ST210329R1_1 1699 CS1 20B2101, Description: 1699 CS1 20B2101

Heptachlor

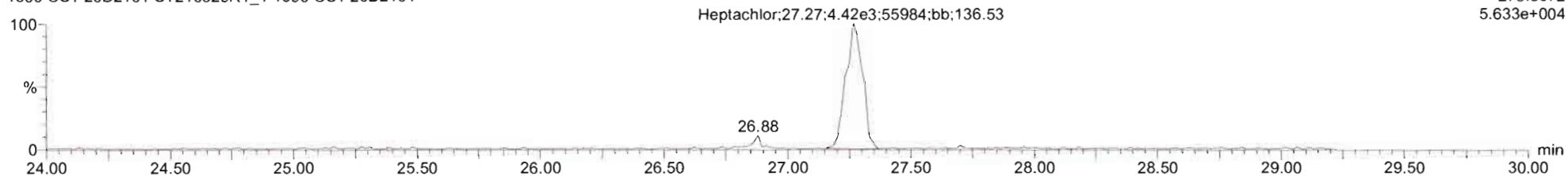
210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F2:Voltage SIR,EI+
271.8102
7.182e+004



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

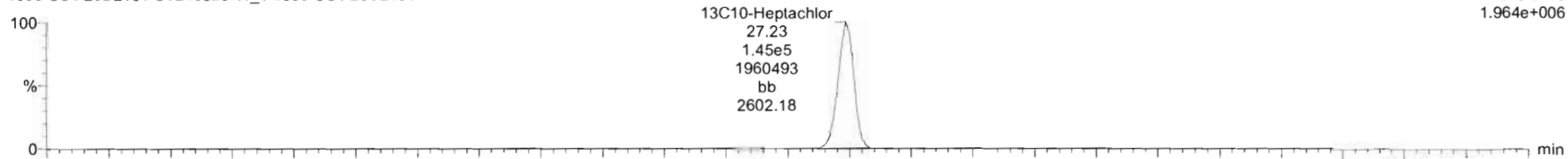
F2:Voltage SIR,EI+
273.8072
5.633e+004



13C10-Heptachlor

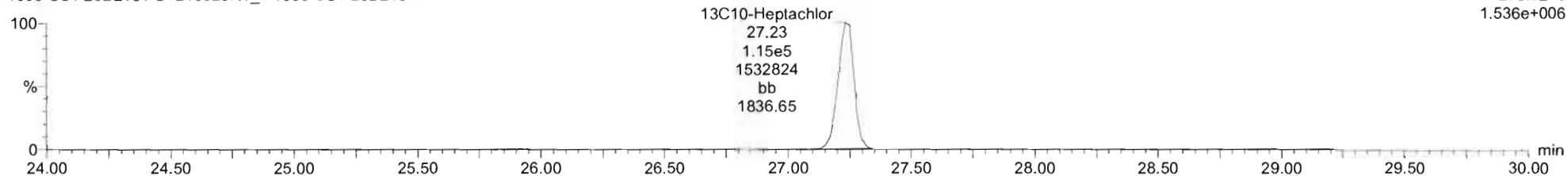
210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F2:Voltage SIR,EI+
276.8269
1.964e+006



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

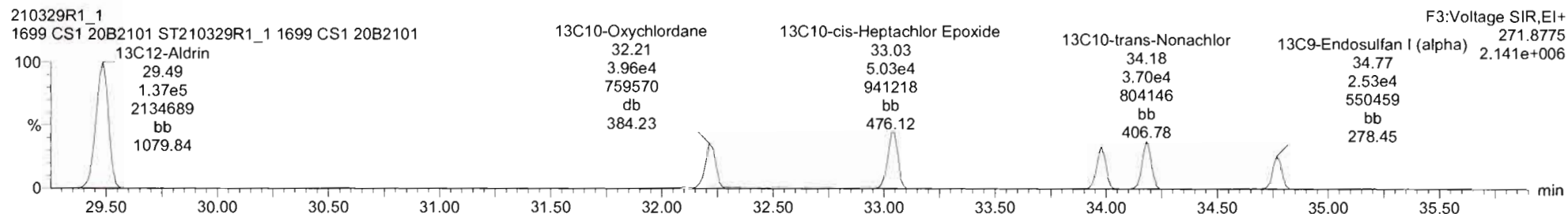
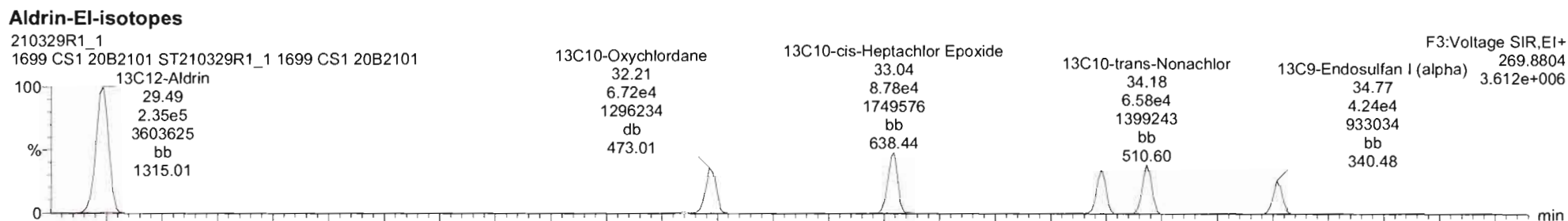
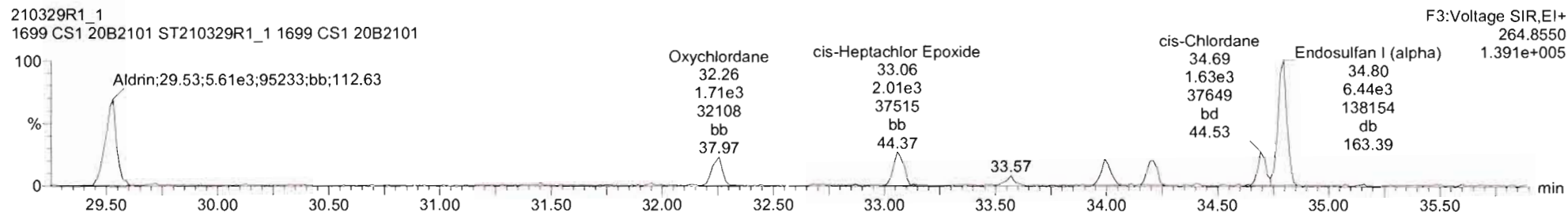
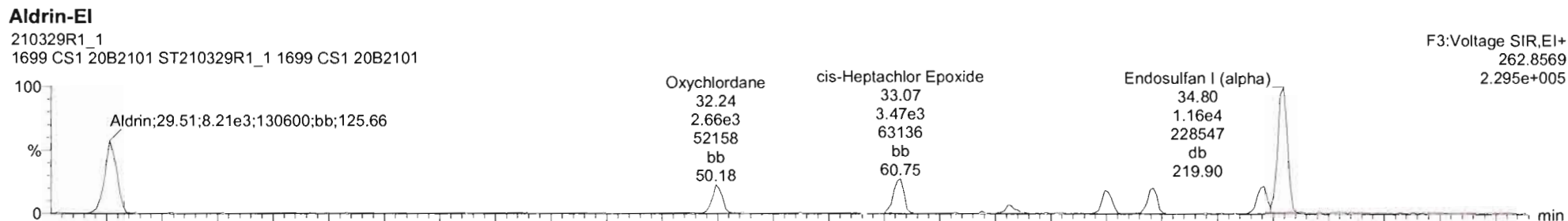
F2:Voltage SIR,EI+
278.8240
1.536e+006



Dataset: Untitled

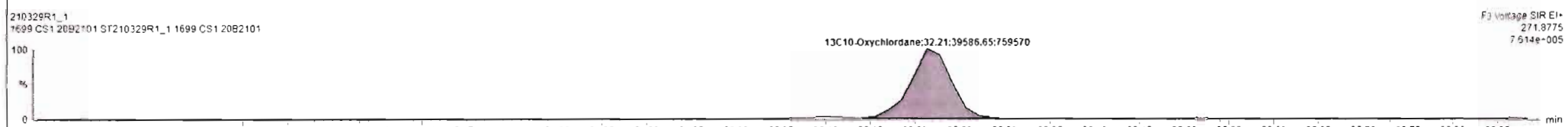
Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_1, Date: 29-Mar-2021, Time: 17:35:36, ID: ST210329R1_1 1699 CS1 20B2101, Description: 1699 CS1 20B2101



210329R1_1 - ST210329R1_1 1699 CS1 20B2101 - 1699 CS1 20B2101

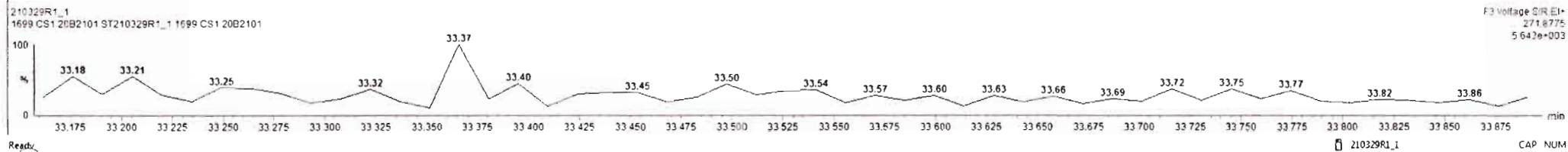
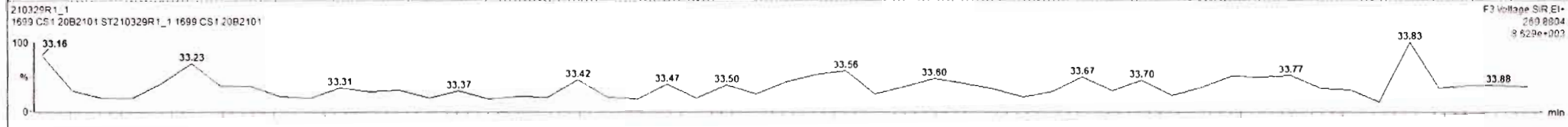
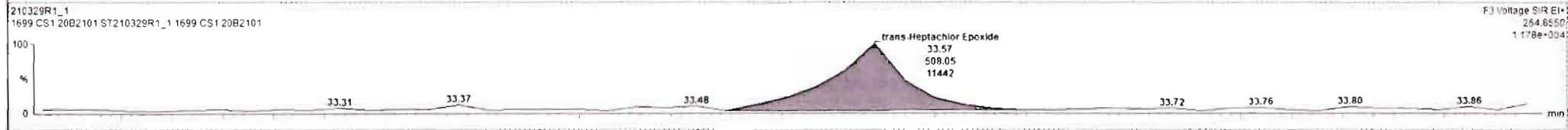
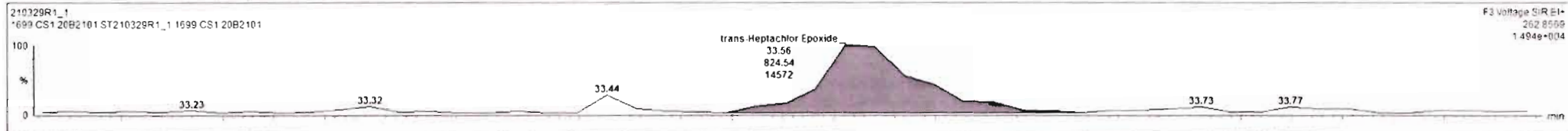
#	Name	RT	RA	ym	Area	IS Area	Std Conc	NDev	MRSD	RRF M	RRF SD
1	Hexachlorobutadiene	9.55	0.075	YES	2.4980e4	3.0190e6	10.000	373.9	186	0.0873	0.163
2	Hexachlorobenzene	21.41	1.247	NO	6.4715e4	1.9539e6	2.000	-12.7	6.35	0.945	0.0500
3	Alpha-BHC	21.95	2.062	NO	1.7513e4	6.8367e5	2.000	-18.0	8.96	0.781	0.0700
4	Lindane (gamma-BHC)	24.98	2.092	NO	1.3729e4	5.2364e5	2.000	-17.0	8.86	0.790	0.0700
5	Beta-BHC	27.17	2.093	NO	1.2955e4	4.0572e5	2.000	-13.7	7.55	0.925	0.0698
6	Delta-BHC	26.95	1.925	NO	1.3412e4	4.7128e5	2.000	-17.5	9.08	0.862	0.0784
7	Heptachlor	27.27	1.131	NO	9.4138e3	2.6042e5	2.000	-15.5	8.85	1.07	0.0945
8	4,4'-DCHU	28.87	2.937	NO	2.0380e4	4.7128e5	2.000	-5.7	7.92	1.14	0.0447
9	Aldrin	29.51	1.464	NO	1.3822e4	3.7235e5	2.000	-14.7	7.55	1.09	0.0622
10	Oxychlorthane	32.24	1.587	NO	4.3745e3	1.0648e5	2.000	-5.1	5.05	1.08	0.0547
11	cis-Heptachlor Epoxide	33.07	1.727	NO	5.4747e3	1.3816e5	2.000	-9.2	5.20	1.09	0.0568
12	trans-Heptachlor Epoxide	33.56		NO	8.2454e2	1.3816e5	2.000	-41.1	20.5	0.253	0.0519
13	trans-Chlordane (gamma)	33.99	1.508	NO	3.7346e3	9.2207e4	2.000	-10.1	6.91	1.13	0.0778
14	trans-Nonachlor	34.21	1.620	NO	3.7872e3	1.0285e5	2.000	-11.6	6.72	1.04	0.0700
15	cis-Chlordane	34.71	1.586	NO	4.2213e3	1.0285e5	2.000	-10.7	6.34	1.15	0.0729



Regd: 210329R1_1 CAP NUM

210329R1_1 - ST210329R1_1 1699 CS1 20B2101 - 1699 CS1 20B2101

#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RAF M.	RAF SD
2	Hexachlorobenzene	21.41	1.247	NO	6.4715e4	1.9539e6	2.000	-12.3	6.35	0.945	0.0600
3	Alpha-BHC	21.95	2.062	NO	1.7513e4	6.8367e5	2.000	-16.0	8.96	0.781	0.0700
4	Lindane (gamma-BHC)	24.98	2.092	NO	1.3729e4	5.2364e5	2.000	-17.0	8.86	0.790	0.0700
5	Beta-BHC	27.17	2.093	NO	1.2955e4	4.0572e5	2.000	-13.7	7.55	0.925	0.0698
6	Delta-BHC	28.95	1.925	NO	1.3412e4	4.7128e5	2.000	-17.5	9.08	0.883	0.0784
7	Heptachlor	27.27	1.131	NO	9.4130e3	2.6042e5	2.000	-15.5	8.85	1.07	0.0946
8	4,4'-DDMU	28.87	2.937	NO	2.0300e4	4.7128e5	2.000	-5.7	3.92	1.14	0.0447
9	Aldrin	29.51	1.464	NO	1.2802e4	3.7235e5	2.000	-14.7	7.55	1.09	0.0822
10	Oxychlorane	32.24	1.557	NO	4.3745e3	1.0648e5	2.000	-5.1	5.05	1.08	0.0547
11	cis-Heptachlor Epoxide	33.07	1.727	NO	5.4747e3	1.3818e5	2.000	-9.2	5.20	1.09	0.0568
12	trans-Heptachlor Epoxide	33.56	1.623	NO	1.3326e3	1.3818e5	2.000	-10.2	6.14	0.269	0.0165
13	trans-Chlordane (gamma)	33.99	1.508	NO	3.7346e3	9.2207e4	2.000	-10.1	6.91	1.13	0.0778
14	trans-Nonachlor	34.21	1.620	NO	3.7872e3	1.0285e5	2.000	-11.6	6.72	1.04	0.0700
15	cis-Chlordane	34.71	1.586	NO	4.2213e3	1.0285e5	2.000	-10.7	6.34	1.15	0.0729
16	Endosulfan (alpha)	34.80	1.794	NO	1.8000e4	6.7696e4	10.000	22.3	18.5	1.09	0.201



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_1, Date: 29-Mar-2021, Time: 17:35:36, ID: ST210329R1_1 1699 CS1 20B2101, Description: 1699 CS1 20B2101

DDMU-DDE

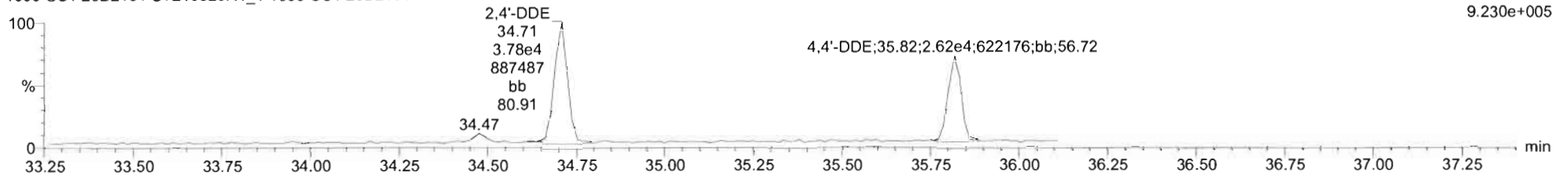
210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F3:Voltage SIR,EI+
246.0003
1.351e+006



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

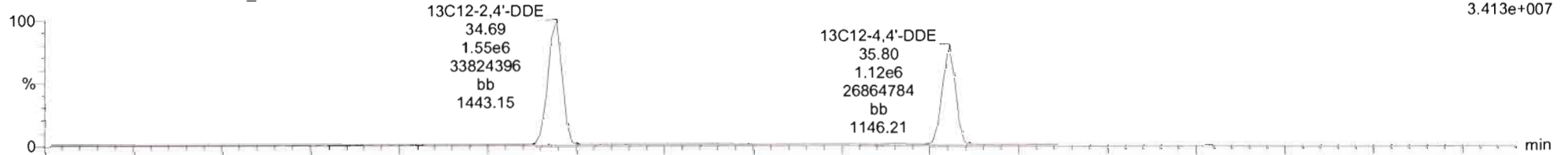
F3:Voltage SIR,EI+
247.9974
9.230e+005



DDE-isotopes

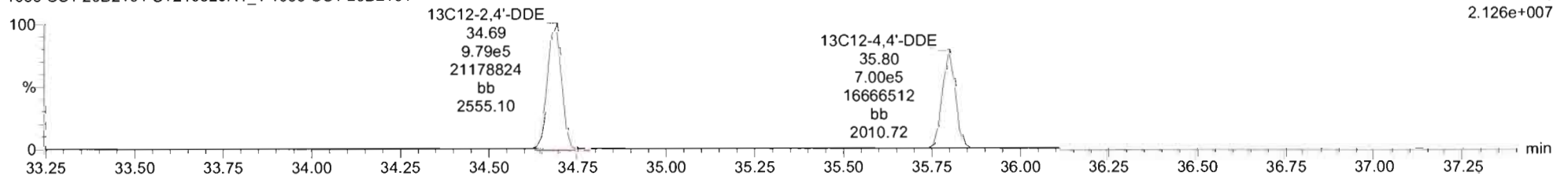
210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F3:Voltage SIR,EI+
258.0406
3.413e+007



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F3:Voltage SIR,EI+
260.0376
2.126e+007



Dataset: Untitled

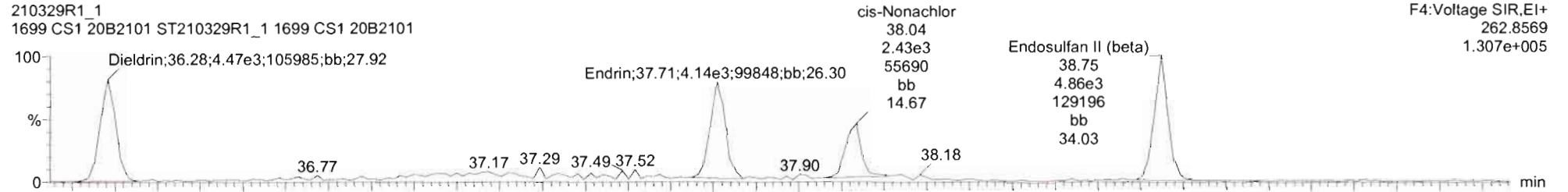
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Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

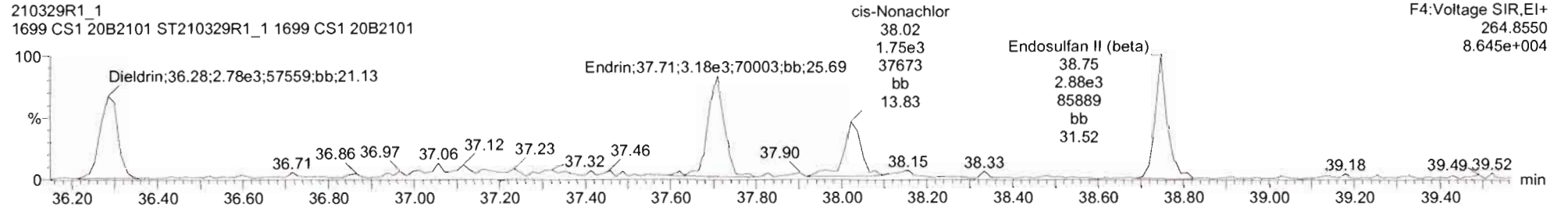
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Dieldrin-EII

210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

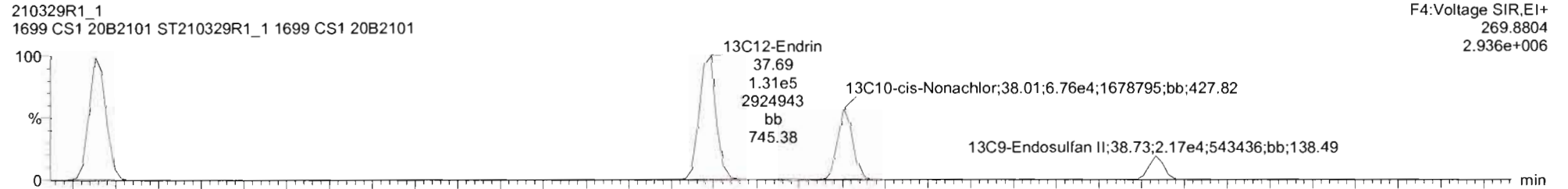


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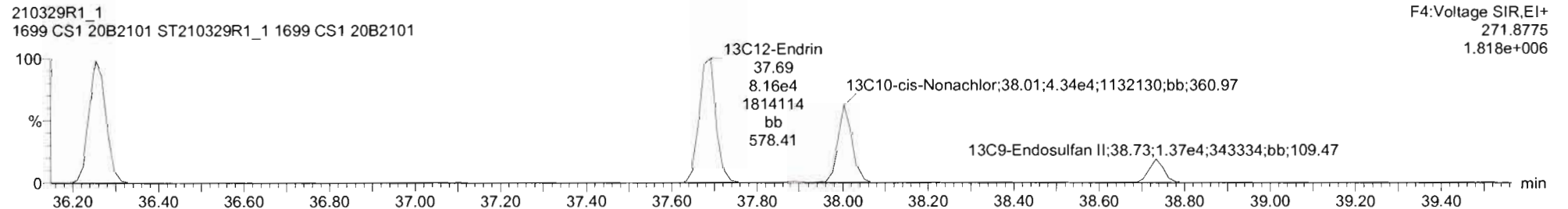


Dieldrin-EII-isotopes

210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

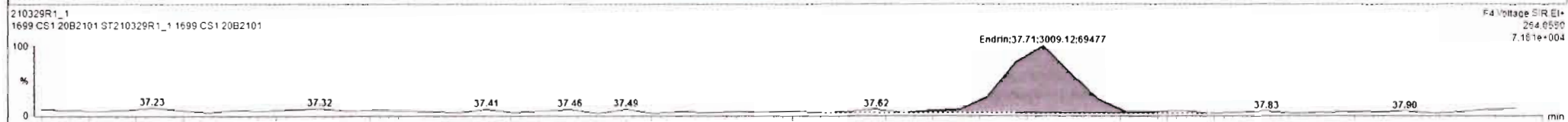
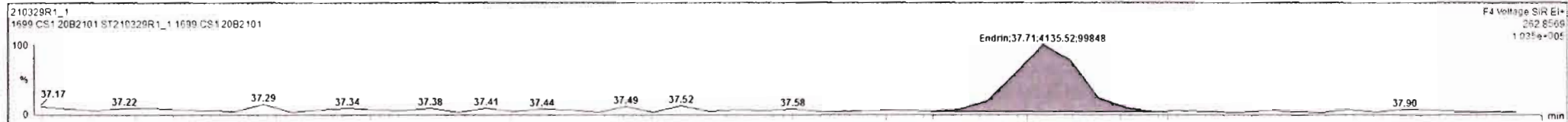


210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101



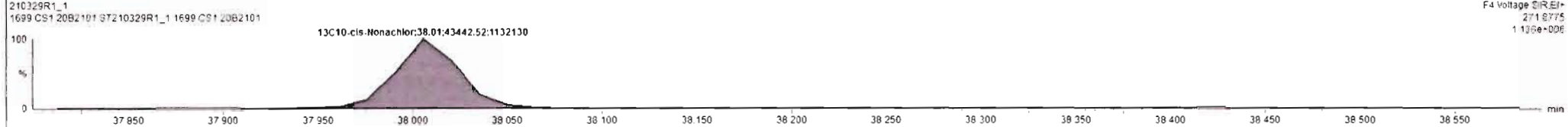
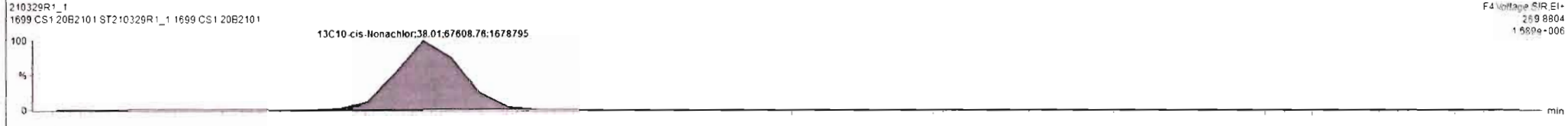
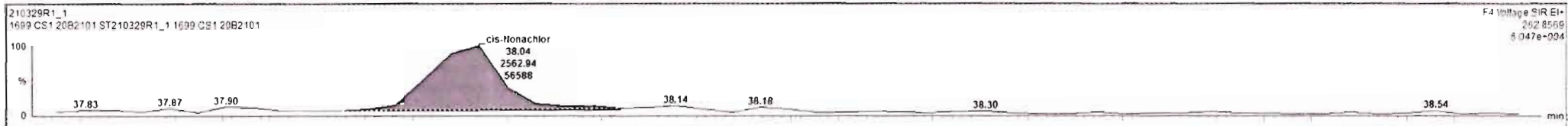
210329R1_1 - ST210329R1_1 1699 CS1 20B2101 - 1699 CS1 20B2101

#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
17	4,4-DDMU	34.47	3.112	NO	4.0305e4	2.5249e6	2.000	-4.7	3.83	0.419	0.0160
18	2,4-DDE	34.71	1.529	NO	9.5640e4	2.5249e6	2.000	-4.9	4.68	0.996	0.0456
19	4,4-DDE	35.82	1.576	NO	6.7419e4	1.8159e6	2.000	-8.0	4.40	1.01	0.0444
20	Dieldrin	36.28	1.604	NO	7.2502e3	2.1426e5	2.000	-15.5	8.51	1.00	0.0852
21	Endrin	37.71	1.374	NO	7.1446e3	2.1240e5	2.000	-13.9	7.76	0.977	0.0758
22	cis-Nonachlor	38.03	1.387	NO	4.1817e3	1.1105e5	2.000	-7.2	4.99	1.01	0.0507
23	Endosulfan II (beta)	38.75	1.685	NO	7.7418e3	3.5432e4	10.000	9.4	7.48	1.01	0.0754
24	2,4-DDU	38.98	1.488	NO	6.0988e4	2.1428e6	2.000	-8.9	5.12	0.788	0.0299
25	2,4-DDT	38.12	1.378	NO	2.5915e4	1.0174e6	2.000	-15.4	7.86	0.752	0.0591
26	4,4-DDD	38.27	1.398	NO	5.4224e4	1.7783e6	2.000	-9.9	5.15	0.845	0.0425
27	4,4-DDT	39.24	1.257	NO	1.9031e4	6.5009e5	2.000	-13.1	6.58	0.842	0.0554
28	Endosulfan Sulfate	40.52	1.591	NO	8.2259e3	3.8269e4	10.000	2.0	3.16	1.05	0.0233
29	4,4-Methoxychlor	42.39	5.757	NO	1.1746e5	6.1564e6	10.000	-3.3	3.03	0.987	0.0299
30	Mirex	42.82	1.574	NO	1.3224e4	3.9901e5	2.000	-15.6	7.78	0.981	0.0753
31	Endrin Aldehyde	39.90	0.704	NO	1.8520e4	1.0532e6	10.000	-7.0	5.09	0.965	0.0491



210329R1_1 - ST210329R1_1 1699 CS1 20B2101 - 1699 CS1 20B2101

#	Name	RT	RA	yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF U	RRF SD
17	4,4-DDMU	24.47	3.112	NO	4.0395e4	2.5249e6	2.000	-4.7	3.83	0.419	0.0160
18	4,4-DDD	24.71	1.529	NO	9.5640e4	2.5249e6	2.000	-4.9	4.63	0.996	0.0466
19	4,4-DDD	35.62	1.576	NO	6.7419e4	1.8159e6	2.000	-8.0	4.40	1.01	0.0444
20	Dieldrin	26.28	1.604	NO	7.2502e3	2.1436e5	2.000	-15.5	8.51	1.00	0.0952
21	Endrin	37.71	1.374	NO	7.1446e3	2.1240e5	2.000	-13.9	7.76	0.977	0.0758
22	cis-Nonachlor	38.04	1.642	NO	4.1237e3	1.1105e5	2.000	-8.3	5.39	1.01	0.0546
23	Endosulfan I (beta)	38.75	1.685	NO	7.7418e3	3.5432e4	10.000	8.4	7.48	1.01	0.0754
24	4,4-DDD	36.90	1.488	NO	6.0963e4	2.1438e6	2.000	-8.9	5.12	0.760	0.0399
25	4,4-DDT	38.12	1.378	NO	2.5915e4	1.0174e6	2.000	-15.4	7.86	0.752	0.0591
26	4,4-DDD	38.27	1.399	NO	5.4224e4	1.7783e6	2.000	-9.9	5.15	0.846	0.0435
27	4,4-DDT	39.34	1.257	NO	1.9031e4	6.5009e5	2.000	-13.1	6.58	0.842	0.0554
28	Endosulfan Sulfate	40.52	1.591	NO	8.2259e3	3.8269e4	10.000	2.0	3.16	1.05	0.0333
29	4,4-Methoxychlor	42.39	5.757	NO	1.1746e5	6.1564e6	10.000	-3.3	3.03	0.987	0.0299
30	Mirex	42.82	1.574	NO	1.3224e4	3.9901e5	2.000	-15.6	7.78	0.981	0.0763
31	Endrin Aldehyde	39.90	0.704	NO	1.8920e4	1.0532e6	10.000	-7.0	5.09	0.965	0.0481

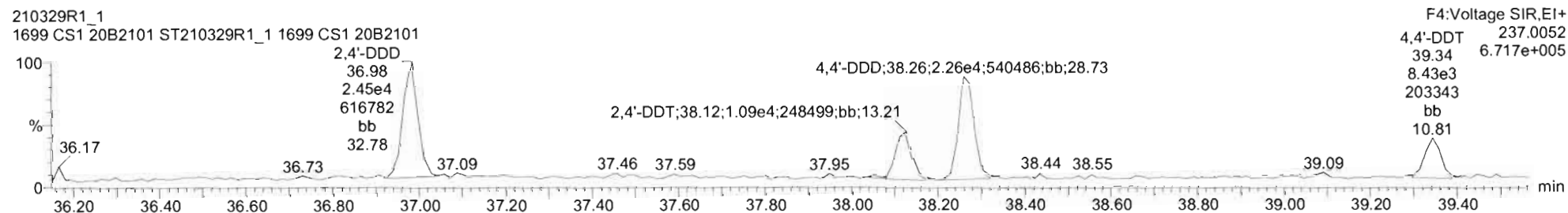
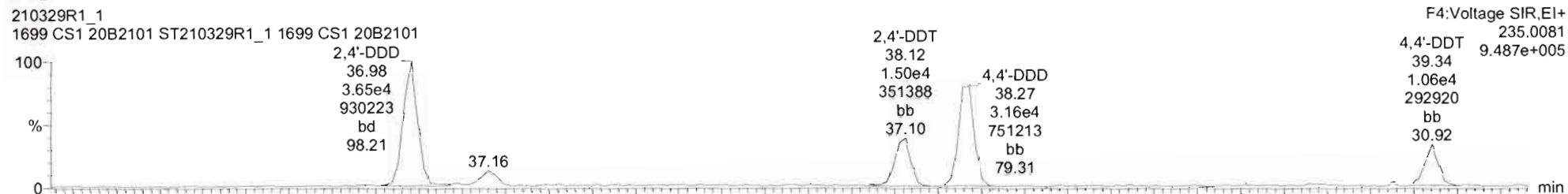


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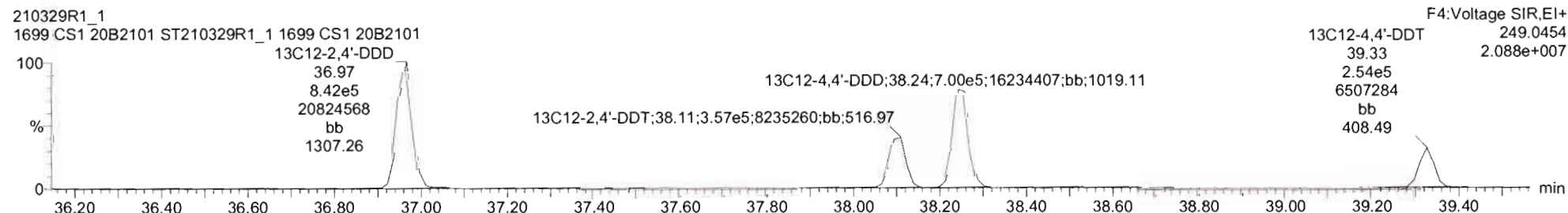
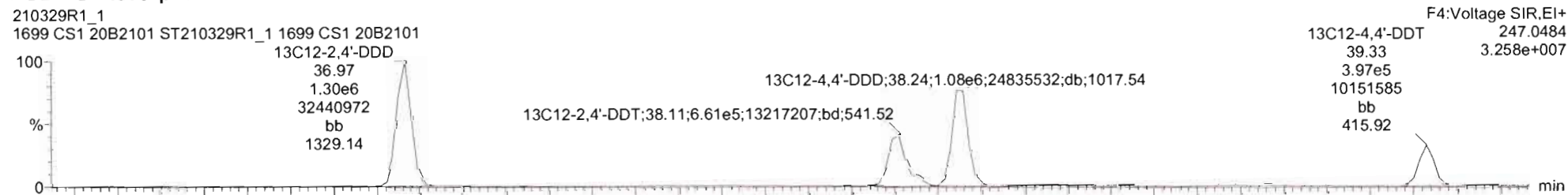
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Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

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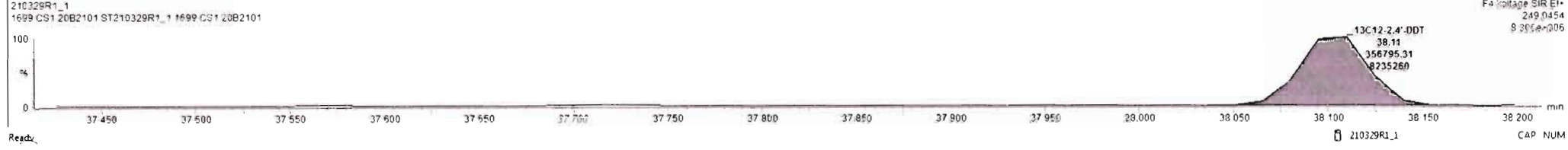
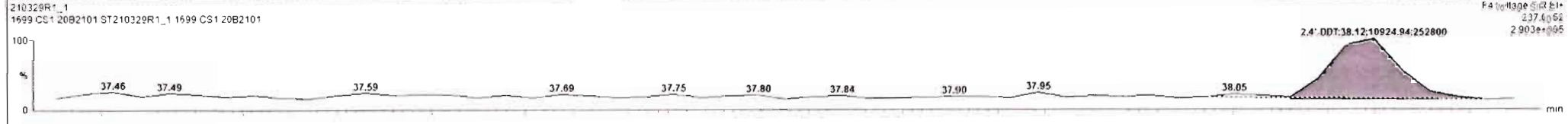
DDD-DDT



DDD-DDT-isotopes



RT	Name	RA	yfm	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD	
17	4,4'-DDMU	34.47	2.112	NO	4.0705e4	2.5249e6	2.000	-4.7	3.83	0.419	0.0160
18	2,4'-DDE	34.71	1.529	NO	9.5640e4	2.5249e6	2.000	-4.9	4.88	0.996	0.0466
19	4,4'-DDE	35.82	1.576	NO	6.7415e4	1.8159e6	2.000	-8.0	4.40	1.01	0.0444
20	Dieldrin	36.28	1.604	NO	7.2502e3	2.1436e5	2.000	-15.5	8.51	1.00	0.0362
21	Endrin	37.71	1.374	NO	7.1446e3	2.1240e5	2.000	-13.9	7.76	0.977	0.0268
22	cis-Nonachlor	38.04	1.642	NO	4.1237e3	1.1105e5	2.000	8.3	5.39	1.01	0.0546
23	Endosulfan II (beta)	38.75	1.685	NO	7.7418e3	3.5432e4	10.000	8.4	7.48	1.01	0.0754
24	2,4'-DDD	36.96	1.488	NO	6.0968e4	2.1438e6	2.000	-8.9	5.12	0.780	0.0399
25	2,4'-DDT	38.12	1.334	NO	2.5500e4	1.0174e6	2.000	-16.5	8.41	0.751	0.0631
26	4,4'-DDD	38.27	1.399	NO	5.4224e4	1.7783e6	2.000	-9.9	5.15	0.846	0.0435
27	4,4'-DDT	39.34	1.257	NO	1.9031e4	6.5009e5	2.000	-13.1	6.58	0.842	0.0554
28	Endosulfan Sulfate	40.52	1.591	NO	8.2259e3	3.8269e4	10.000	2.0	3.16	1.05	0.0322
29	4,4'-Methoxychlor	42.39	5.757	NO	1.1746e5	6.1564e6	10.000	-3.3	3.03	0.987	0.0299
30	Mirex	42.82	1.574	NO	1.3224e4	3.9901e5	2.000	-15.6	7.78	0.991	0.0763
31	Endrin Aldehyde	39.90	0.704	NO	1.8920e4	1.0532e6	10.000	-7.0	5.09	0.965	0.0491



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Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_1, Date: 29-Mar-2021, Time: 17:35:36, ID: ST210329R1_1 1699 CS1 20B2101, Description: 1699 CS1 20B2101

Endosulfan Sulfate

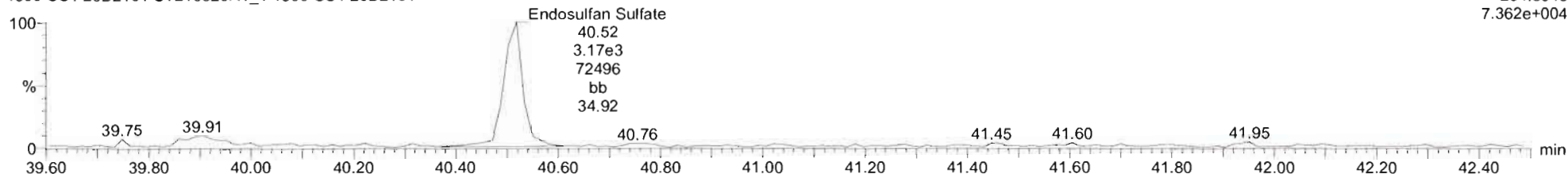
210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F5:Voltage SIR,EI+
262.8569
1.207e+005



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F5:Voltage SIR,EI+
264.8540
7.362e+004



13C9-Endosulfan Sulfate

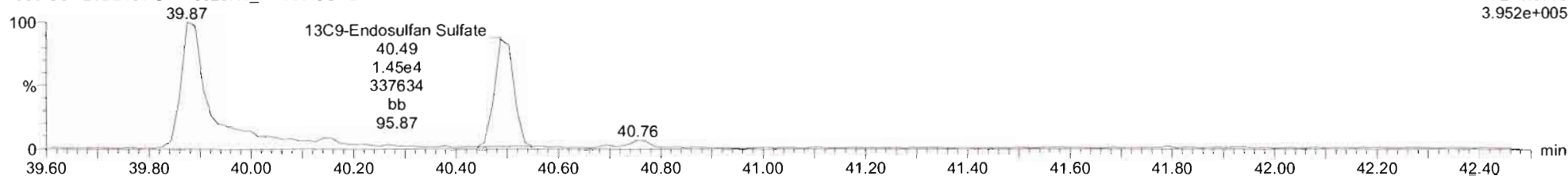
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1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

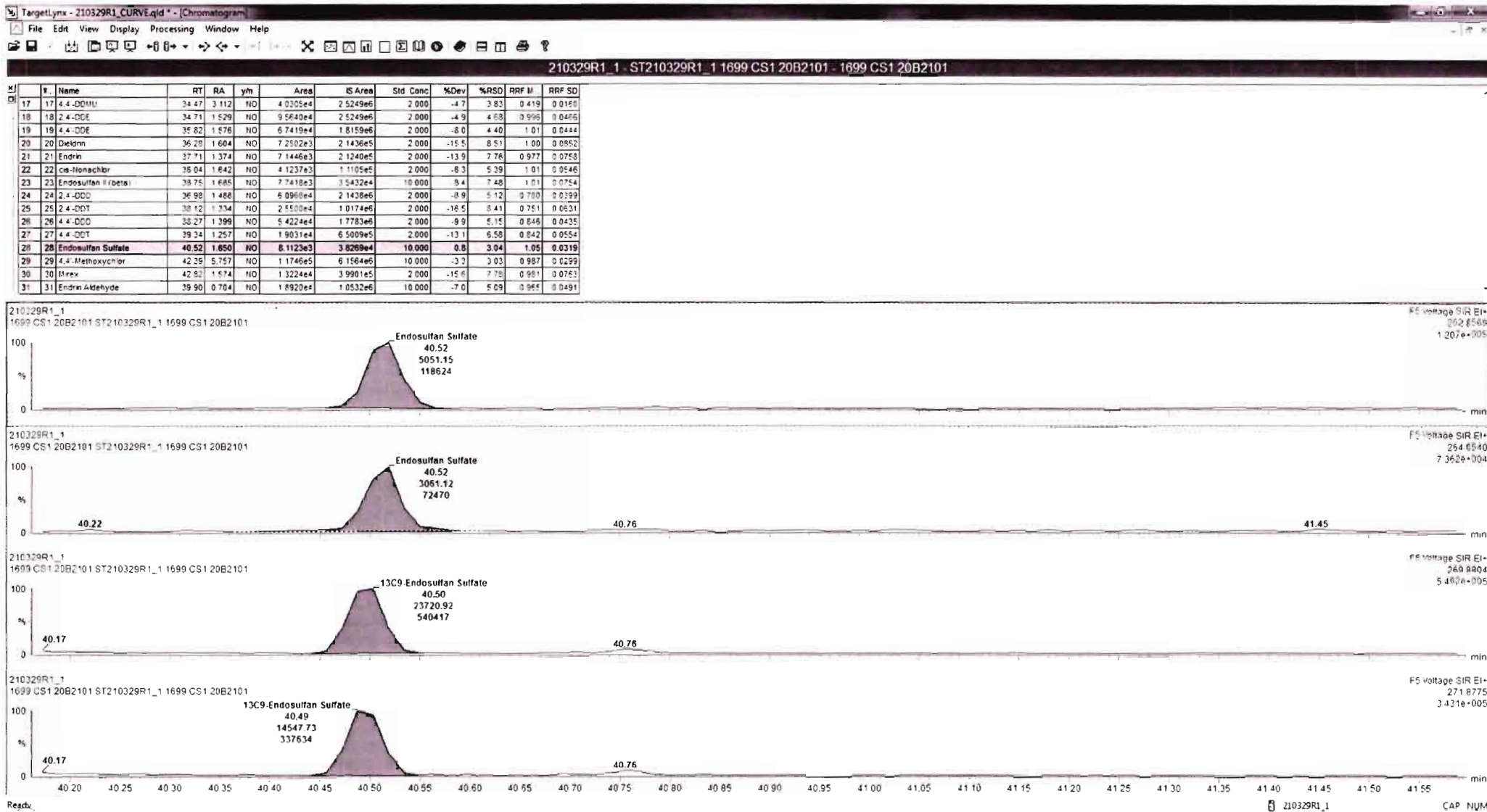
F5:Voltage SIR,EI+
269.8804
6.577e+005



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F5:Voltage SIR,EI+
271.8775
3.952e+005





Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

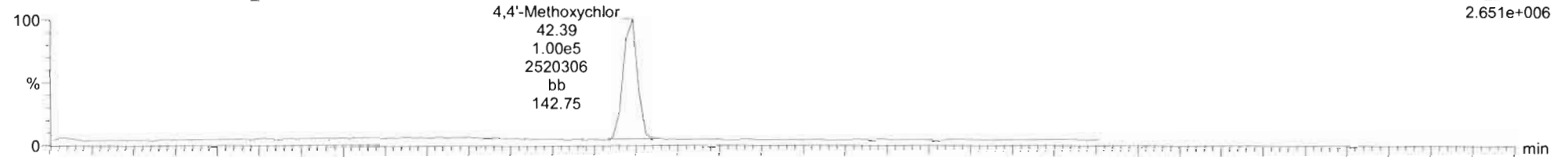
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Name: 210329R1_1, Date: 29-Mar-2021, Time: 17:35:36, ID: ST210329R1_1 1699 CS1 20B2101, Description: 1699 CS1 20B2101

4,4'-Methoxychlor

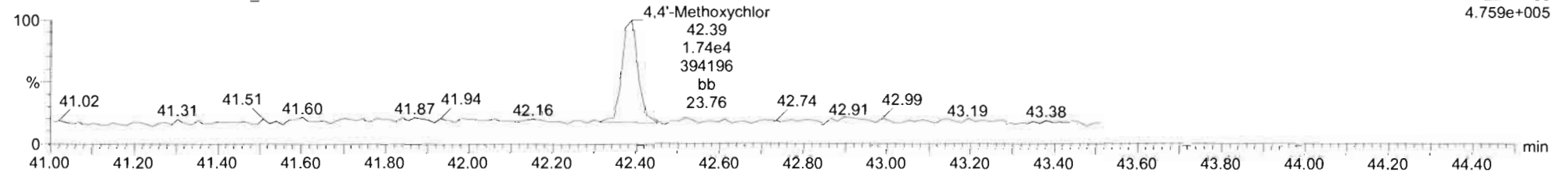
210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F5:Voltage SIR,EI+
227.1072
2.651e+006



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

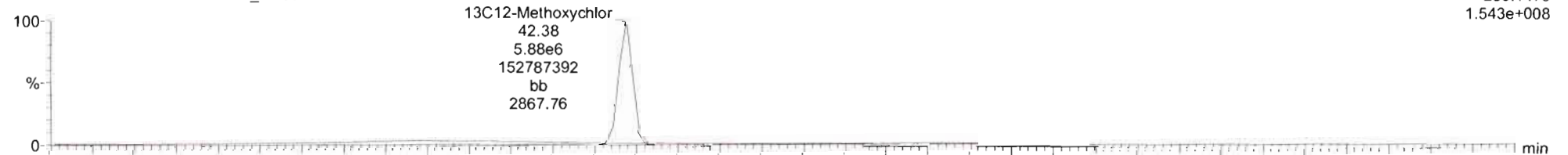
F5:Voltage SIR,EI+
228.1106
4.759e+005



13C12-Methoxychlor

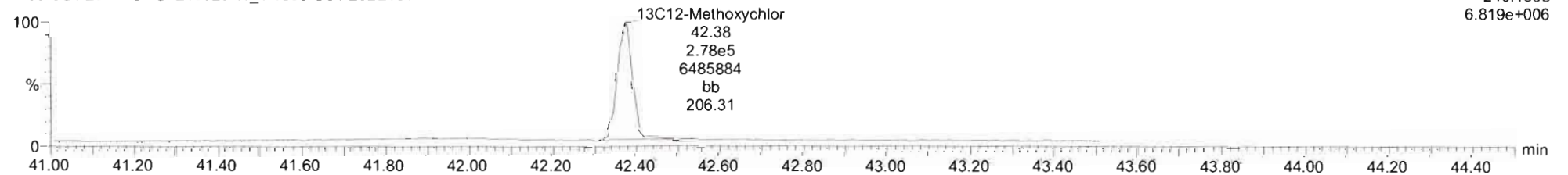
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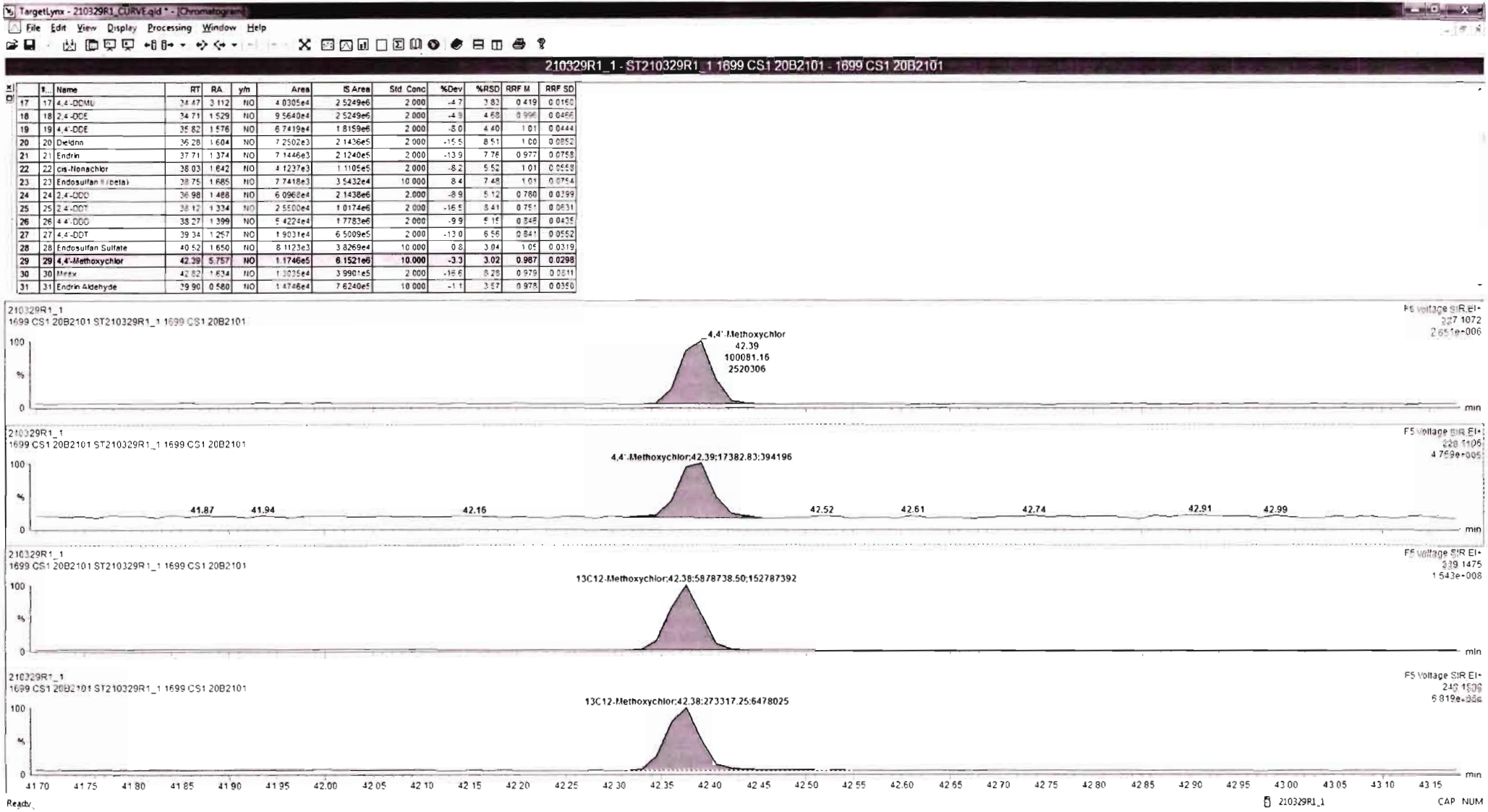
F5:Voltage SIR,EI+
239.1475
1.543e+008



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F5:Voltage SIR,EI+
240.1508
6.819e+006





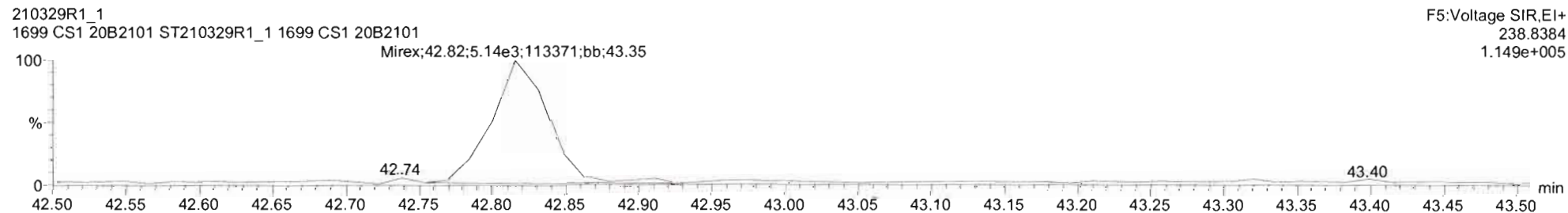
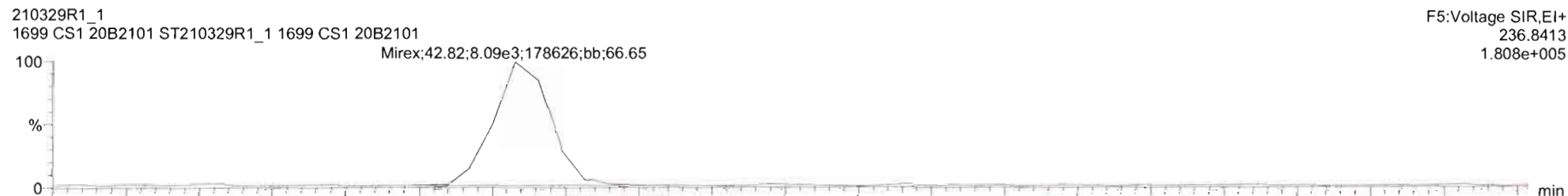
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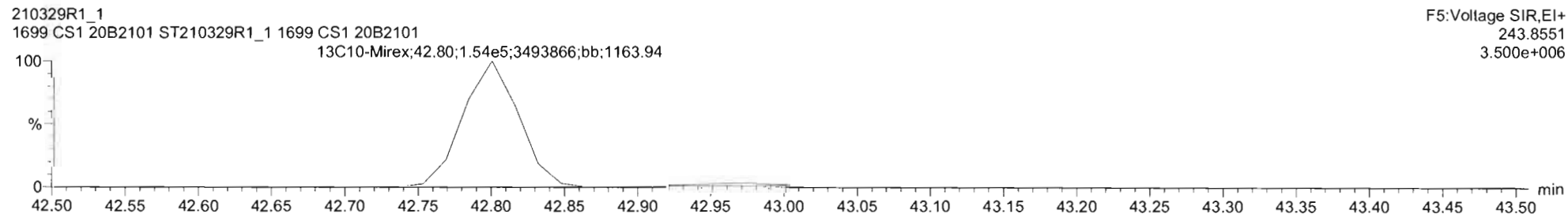
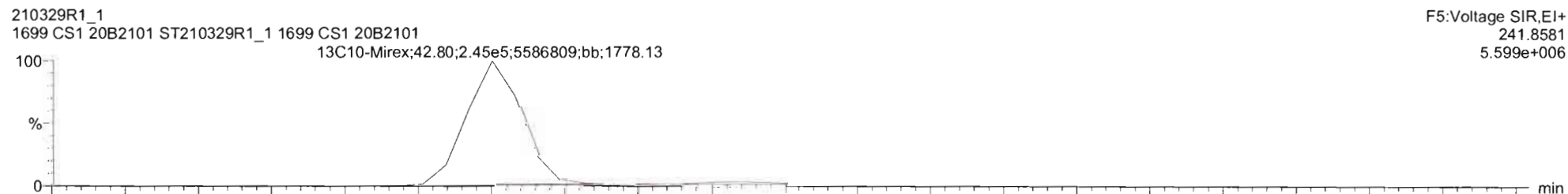
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Name: 210329R1_1, Date: 29-Mar-2021, Time: 17:35:36, ID: ST210329R1_1 1699 CS1 20B2101, Description: 1699 CS1 20B2101

Mirex

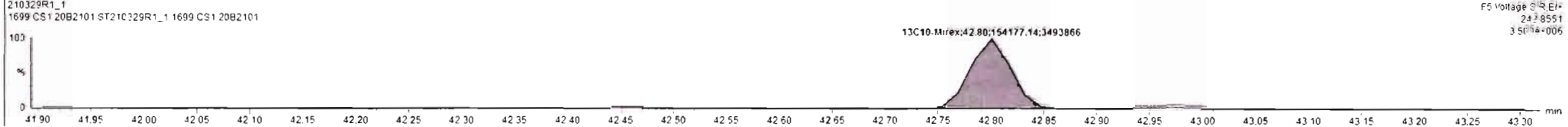
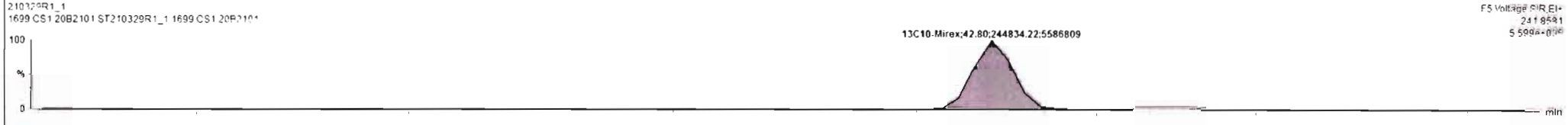


13C10-Mirex



210329R1_1 - ST210329R1_1 1699 CS1 20B2101 - 1699 CS1 20B2101

#	Name	RT	RA	yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
17	4,4-DDMU	34.47	3.112	NO	4.0705e4	2.5249e6	2.000	-4.7	3.83	0.419	0.0160
18	2,4-DCE	34.71	1.529	NO	9.5640e4	2.5249e6	2.000	-4.9	4.68	0.996	0.0466
19	4,4-DDE	35.82	1.576	NO	6.7419e4	1.8159e6	2.000	-3.0	4.40	1.01	0.0444
20	Dieldrin	36.28	1.604	NO	7.2502e3	2.1436e5	2.000	-15.5	8.51	1.00	0.0852
21	Endrin	37.71	1.374	NO	7.1446e3	2.1240e5	2.000	-13.9	7.76	0.977	0.0758
22	cis-Nonachlor	38.04	1.642	NO	4.1237e3	1.1105e5	2.000	-8.3	5.39	1.01	0.0546
23	Endosulfan I (beta)	38.75	1.685	NO	7.7419e3	3.5432e4	10.000	8.4	7.48	1.01	0.0754
24	2,4-DDD	38.98	1.488	NO	6.0968e4	2.1438e6	2.000	-8.9	5.12	0.700	0.0299
25	2,4-DDT	38.12	1.334	NO	2.9500e4	1.0174e6	2.000	-16.5	8.41	0.751	0.0631
26	4,4-DDD	38.27	1.399	NO	5.4224e4	1.7783e6	2.000	-8.9	5.15	0.845	0.0435
27	4,4-DDT	39.34	1.257	NO	1.9031e4	6.5009e5	2.000	-13.1	6.58	0.842	0.0554
28	Endosulfan Sulfate	40.52	1.650	NO	8.1123e3	3.8269e4	10.000	0.8	3.04	1.05	0.0719
29	4,4-Methoxychlor	42.39	5.757	NO	1.1746e5	6.1564e6	10.000	-3.3	3.03	0.987	0.0299
30	Mirex	42.82	1.834	NO	1.3035e4	3.9901e5	2.000	-16.6	8.28	0.979	0.0811
31	Endrin Aldehyde	39.90	0.704	NO	1.8920e4	1.0532e6	10.000	-7.0	5.09	0.965	0.0491



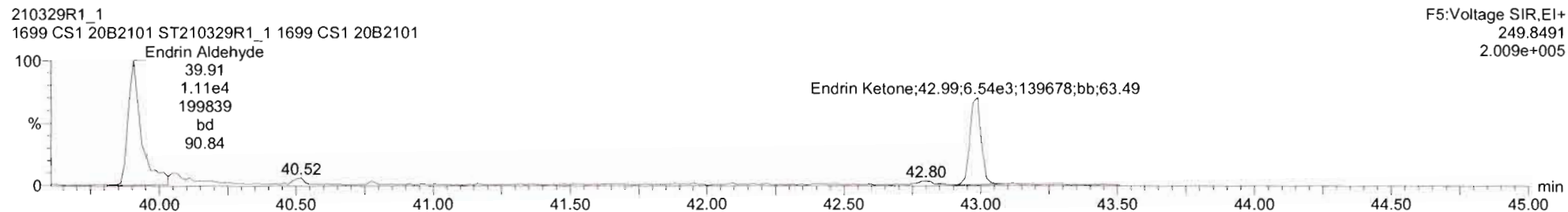
Ready 210329R1_1 CAP NUM

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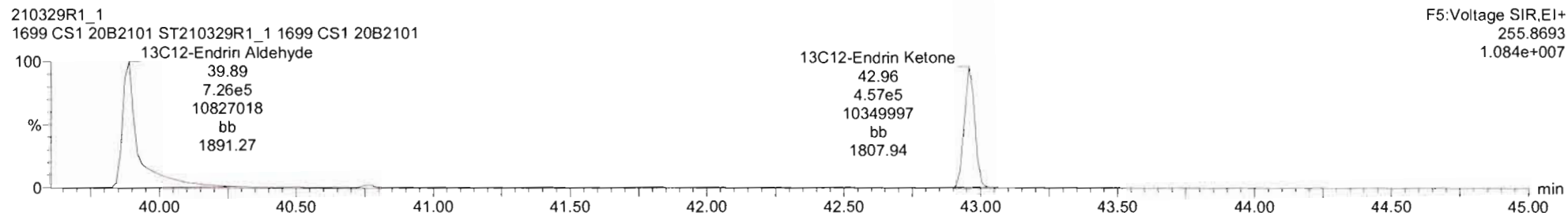
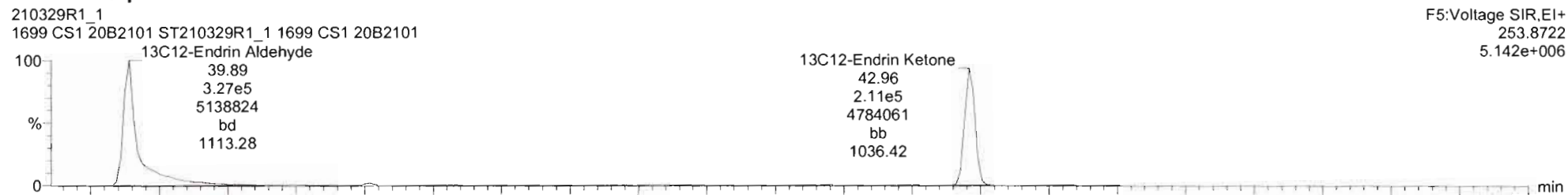
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Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_1, Date: 29-Mar-2021, Time: 17:35:36, ID: ST210329R1_1 1699 CS1 20B2101, Description: 1699 CS1 20B2101

EA-EK



EA-EK-isotopes



Sl. No.	Name	RT	RA	Yn	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
17	4,4-DDMU	34.47	3.112	NO	4.0305e4	2.5249e6	2.000	-4.7	3.63	0.419	0.0160
18	2,4-DDE	34.71	1.529	NO	9.5640e4	2.5249e6	2.000	-4.9	4.63	0.995	0.0466
19	4,4-DDE	35.82	1.576	NO	6.7419e4	1.8159e6	2.000	-3.0	4.40	1.01	0.0444
20	Dieldrin	36.28	1.604	NO	7.2502e3	2.1436e5	2.000	-15.5	8.51	1.00	0.0852
21	Endrin	37.71	1.374	NO	7.1446e3	2.1240e5	2.000	-13.9	7.76	0.977	0.0758
22	cis-Nonachlor	38.04	1.642	NO	4.1237e3	1.1105e5	2.000	-6.1	5.39	1.01	0.0546
23	Endosulfan II (beta)	38.75	1.685	NO	7.7418e3	3.5432e4	10.000	8.4	7.48	1.01	0.0754
24	2,4-DDD	38.98	1.488	NO	6.0968e4	2.1438e6	2.000	-8.9	5.12	0.780	0.0299
25	2,4-DDT	38.12	1.334	NO	2.5500e4	1.0174e6	2.000	-16.5	8.41	0.751	0.0631
26	4,4-DDD	38.27	1.399	NO	6.4224e4	1.7783e6	2.000	-9.9	6.15	0.846	0.0435
27	4,4-DDT	39.34	1.257	NO	1.9031e4	6.5009e5	2.000	-13.1	6.58	0.842	0.0554
28	Endosulfan Sulfate	40.52	1.650	NO	8.1123e3	3.8269e4	10.000	0.8	3.04	1.05	0.0319
29	4,4-Methoxychlor	42.39	5.757	NO	1.1746e5	6.1564e6	10.000	-3.3	3.03	0.987	0.0299
30	Mirex	42.82	1.634	NO	1.2835e4	3.9901e5	2.000	-16.6	8.28	0.979	0.0511
31	Endrin Aldehyde	39.91	0.580	NO	1.4746e4	7.6240e5	10.000	-1.0	3.76	0.977	0.0368



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

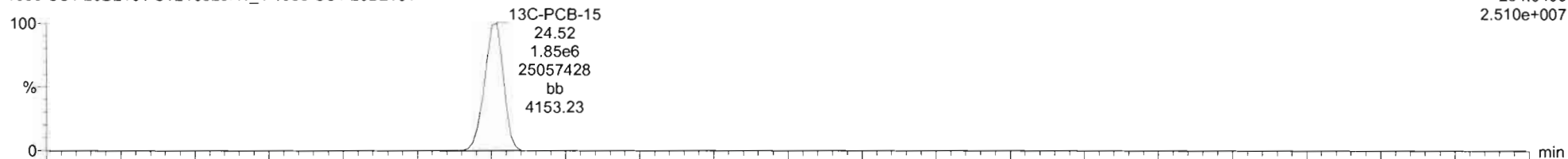
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_1, Date: 29-Mar-2021, Time: 17:35:36, ID: ST210329R1_1 1699 CS1 20B2101, Description: 1699 CS1 20B2101

13C-PCB-15

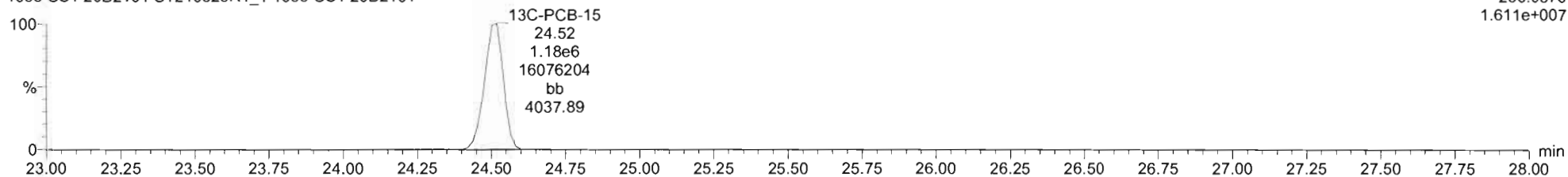
210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F2:Voltage SIR,EI+
234.0406
2.510e+007



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

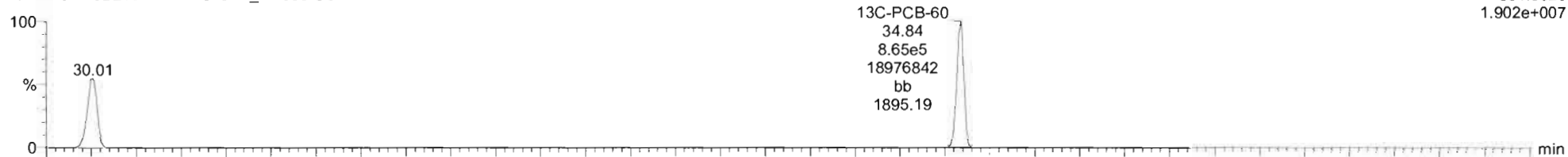
F2:Voltage SIR,EI+
236.0376
1.611e+007



13C-PCB-60

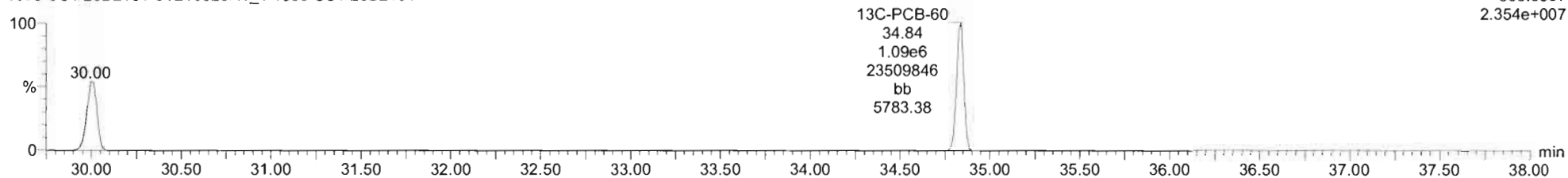
210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F3:Voltage SIR,EI+
301.9626
1.902e+007



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F3:Voltage SIR,EI+
303.9597
2.354e+007



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

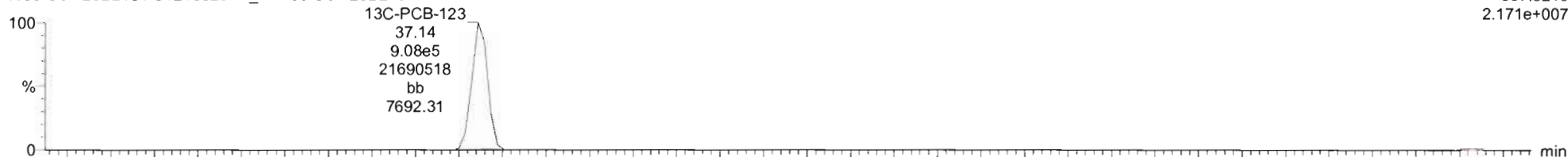
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13C-PCB-123

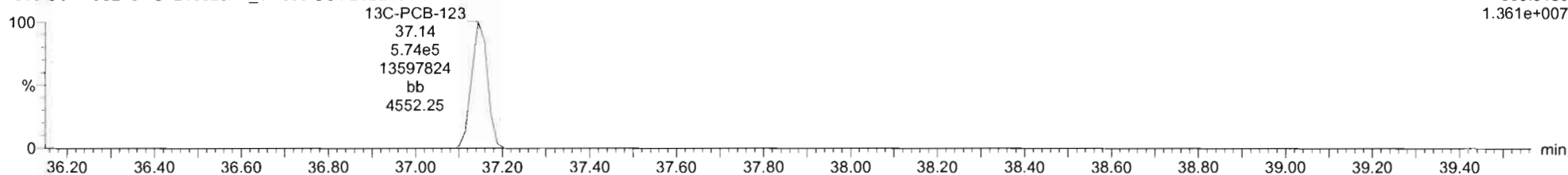
210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F4:Voltage SIR,EI+
337.9210
2.171e+007



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

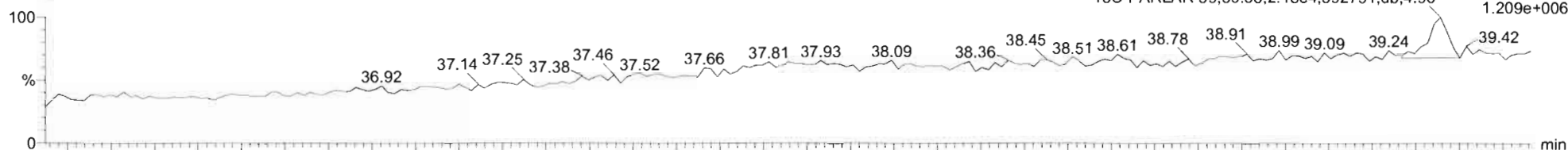
F4:Voltage SIR,EI+
339.9180
1.361e+007



13C-PARLAR 39

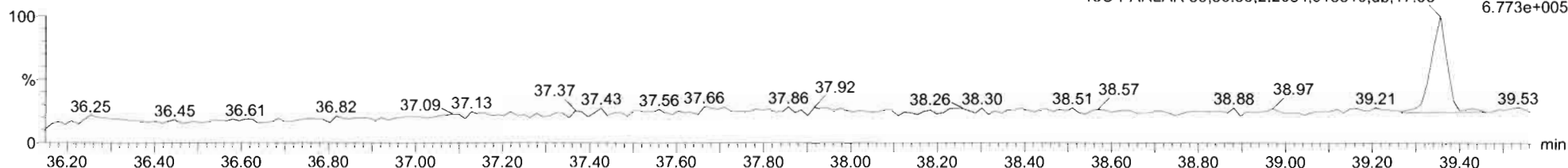
210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F4:Voltage SIR,EI+
251.9648
1.209e+006
13C-PARLAR 39;39.36;2.18e4;392791;db;4.96



210329R1_1
1699 CS1 20B2101 ST210329R1_1 1699 CS1 20B2101

F4:Voltage SIR,EI+
253.9619
6.773e+005
13C-PARLAR 39;39.36;2.20e4;513810;db;17.63



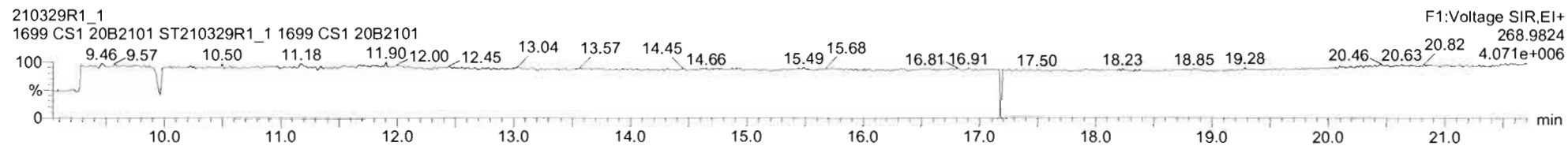
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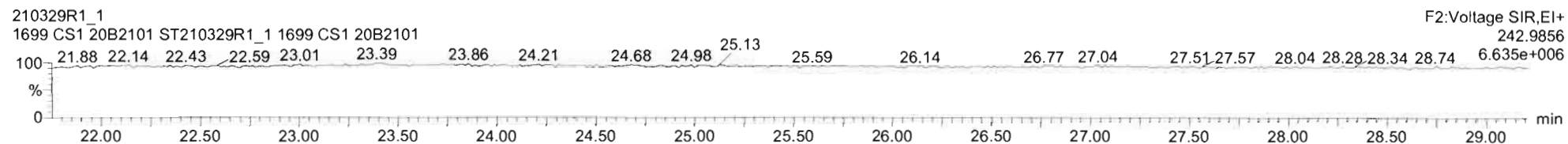
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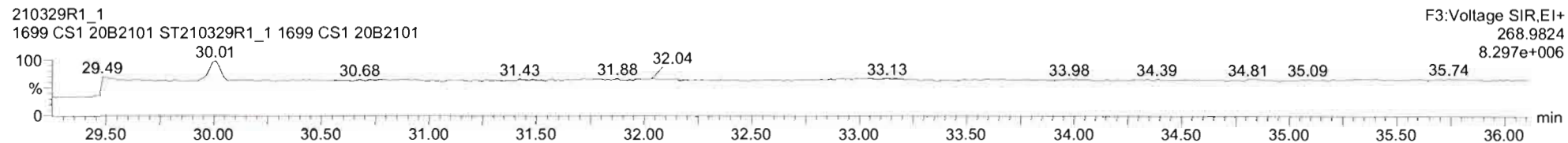
PFK1



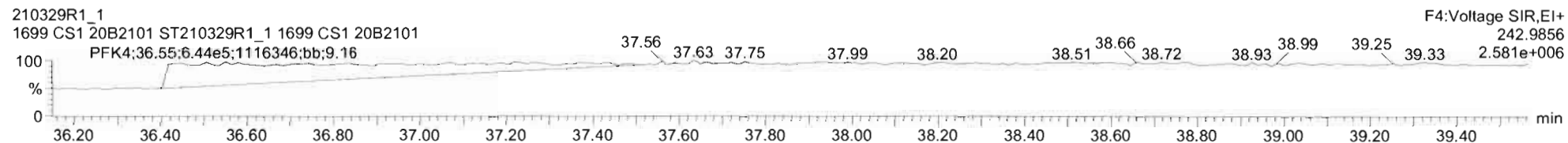
PFK2



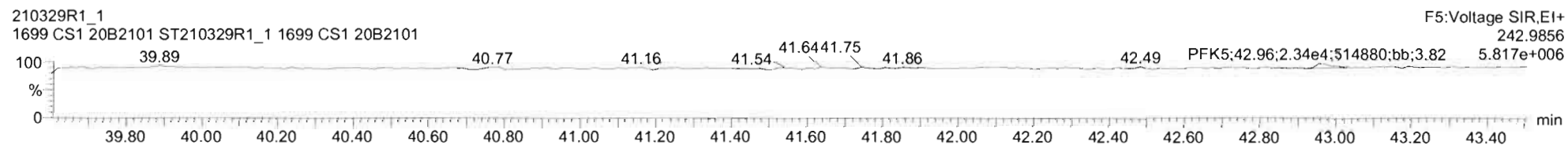
PFK3



PFK4



PFK5



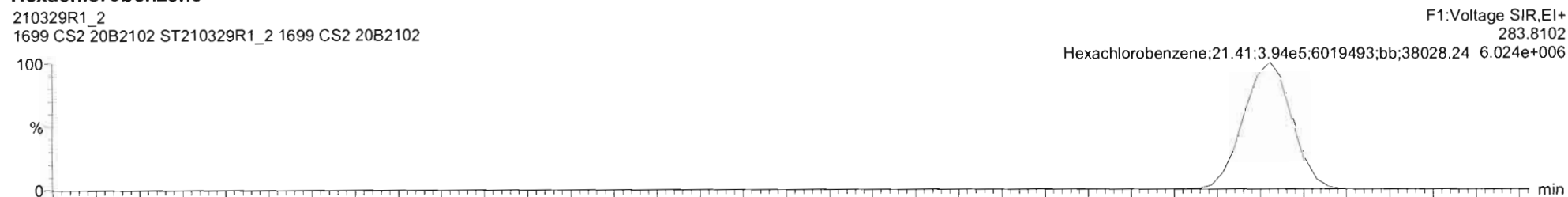
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Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

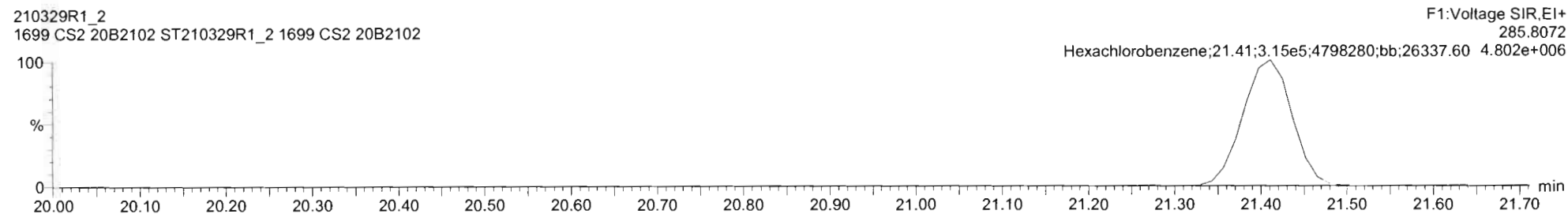
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Hexachlorobenzene

210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

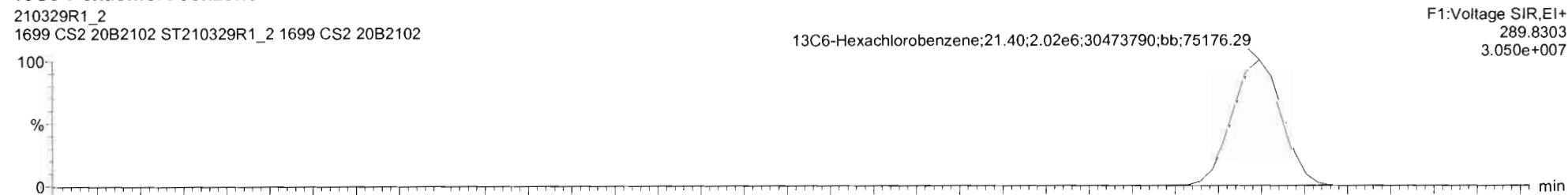


210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

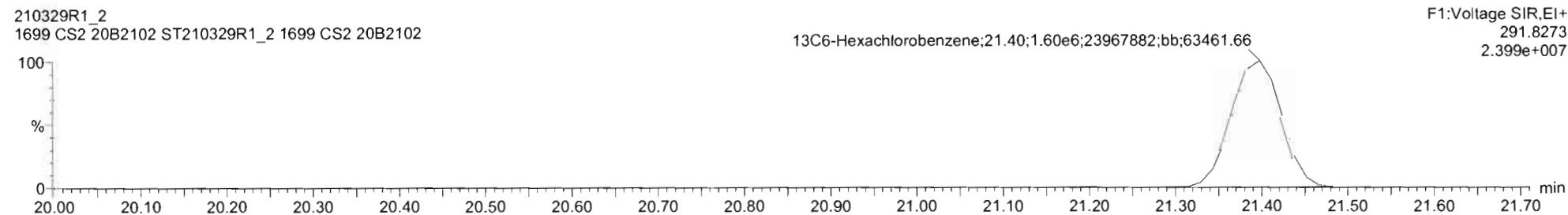


13C6-Hexachlorobenzene

210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102



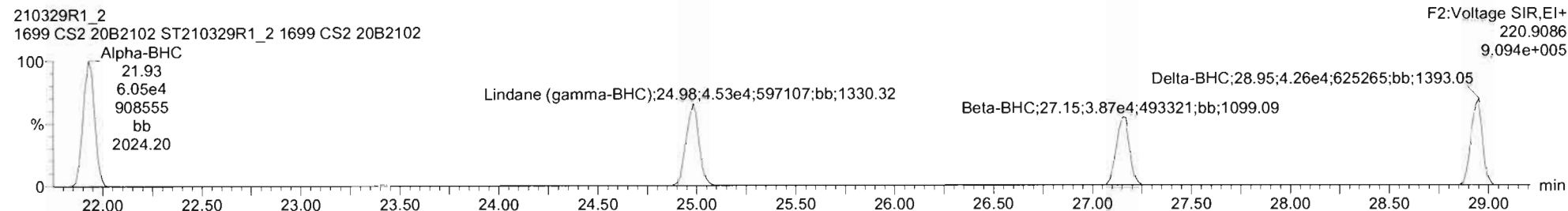
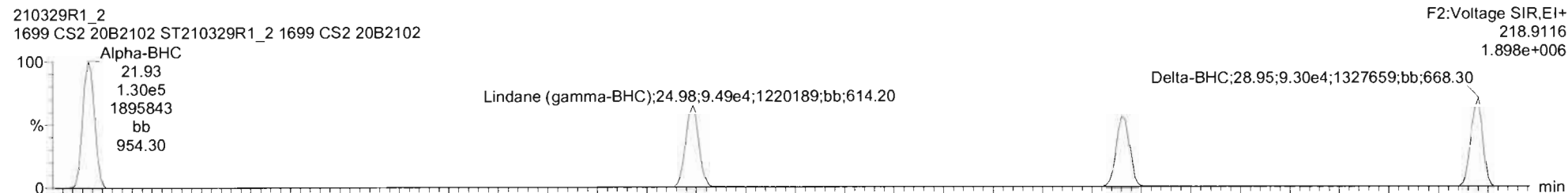
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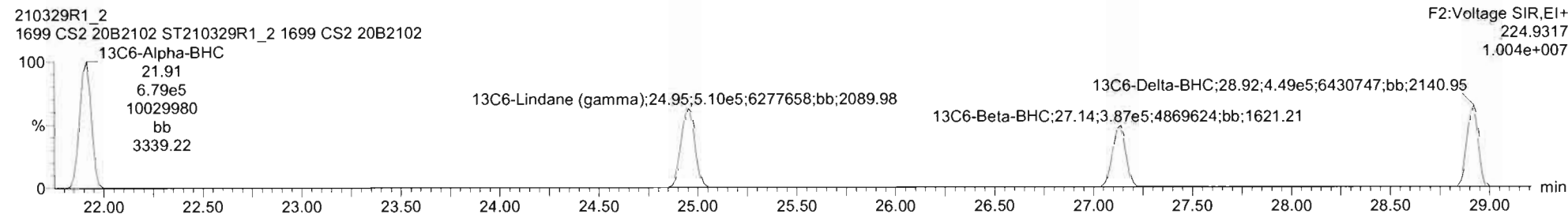
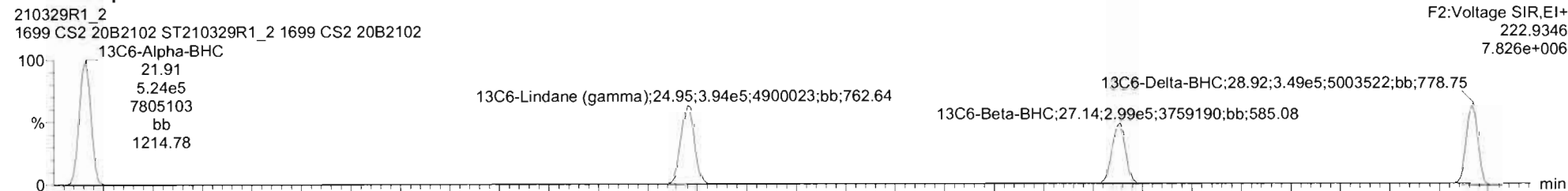
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Name: 210329R1_2, Date: 29-Mar-2021, Time: 18:25:12, ID: ST210329R1_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

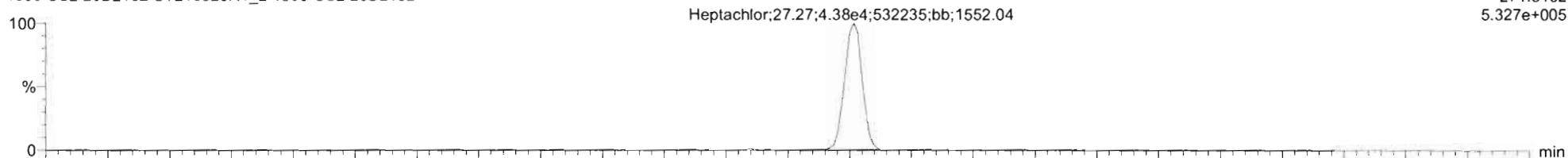
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Name: 210329R1_2, Date: 29-Mar-2021, Time: 18:25:12, ID: ST210329R1_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Heptachlor

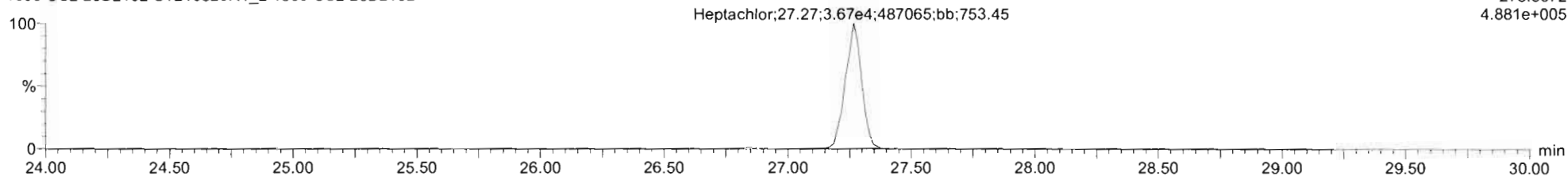
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F2:Voltage SIR,EI+
271.8102
5.327e+005



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

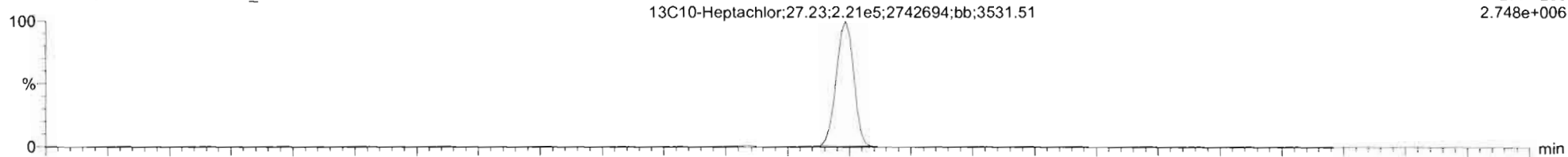
F2:Voltage SIR,EI+
273.8072
4.881e+005



13C10-Heptachlor

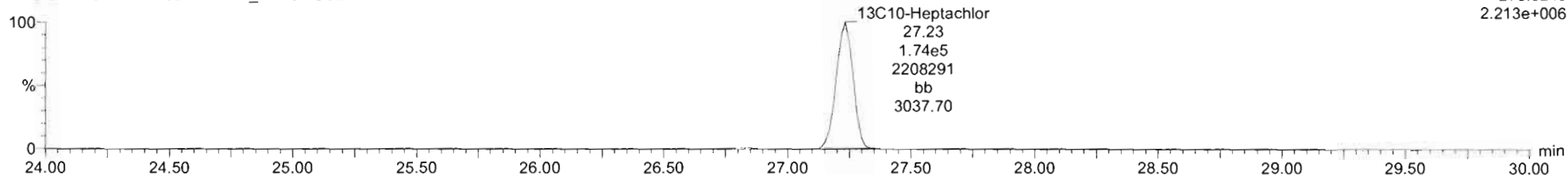
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F2:Voltage SIR,EI+
276.8269
2.748e+006



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F2:Voltage SIR,EI+
278.8240
2.213e+006



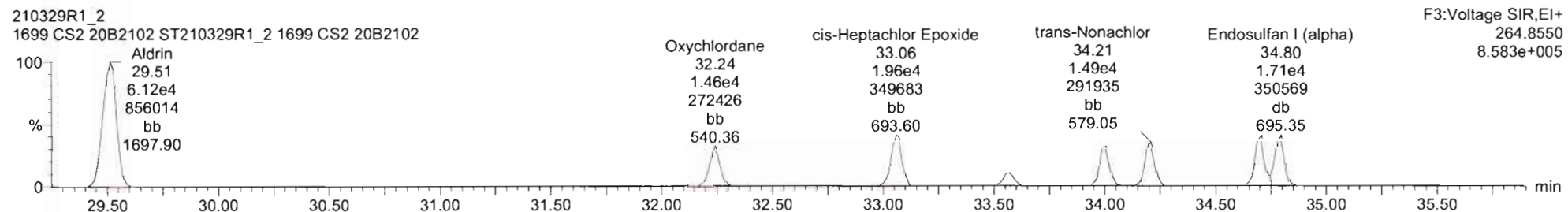
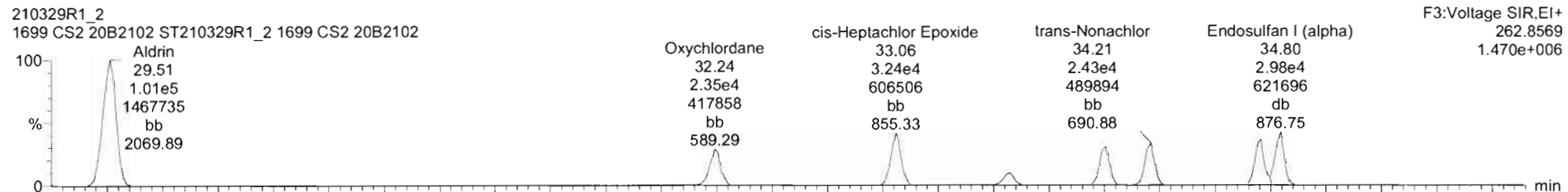
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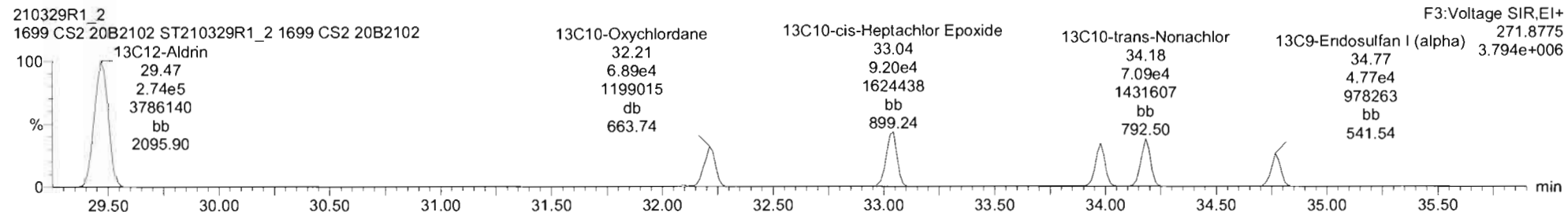
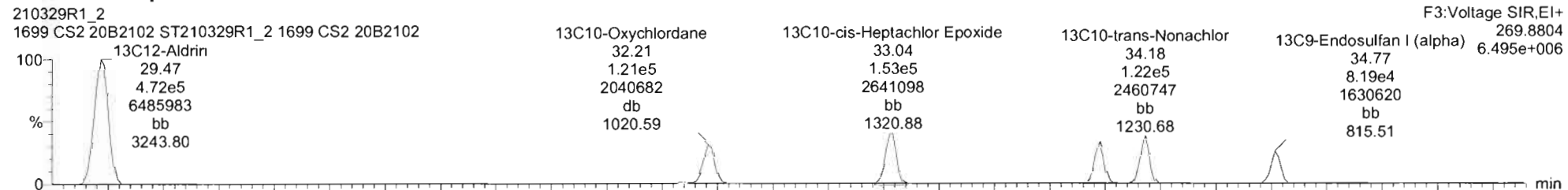
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_2, Date: 29-Mar-2021, Time: 18:25:12, ID: ST210329R1_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Aldrin-EI

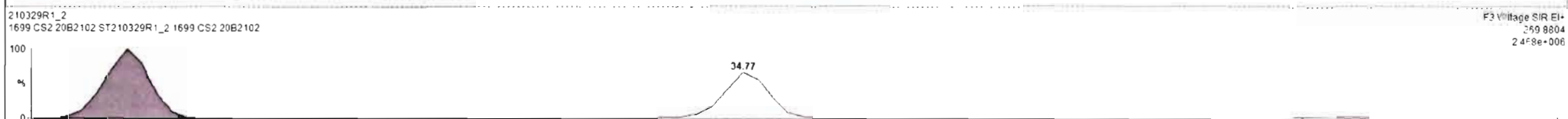
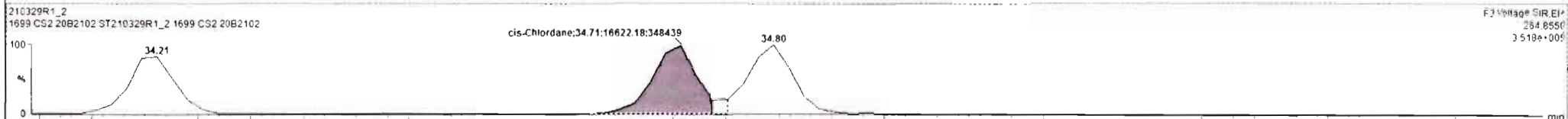
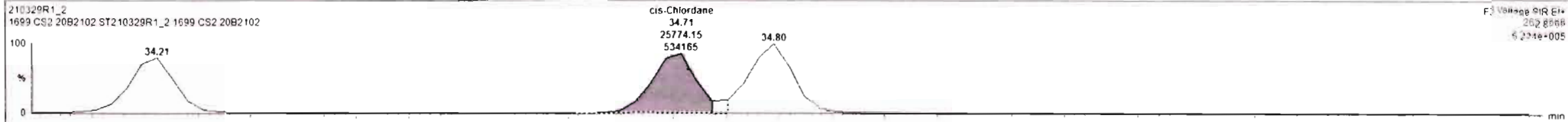


Aldrin-EI-isotopes



210329R1_2 - ST210329R1_2 1699 CS2 20B2102 - 1699 CS2 20B2102

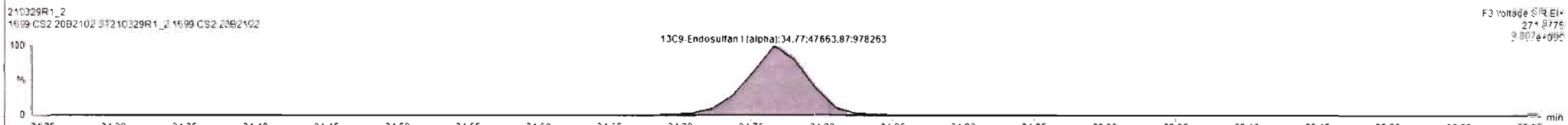
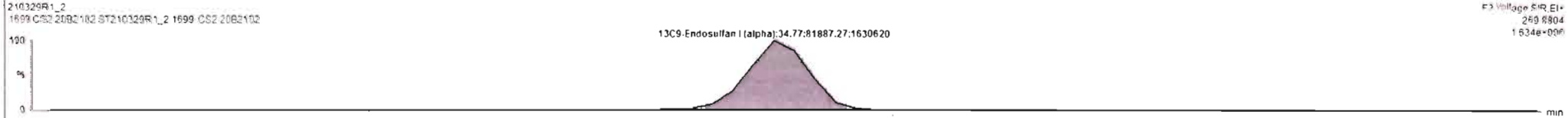
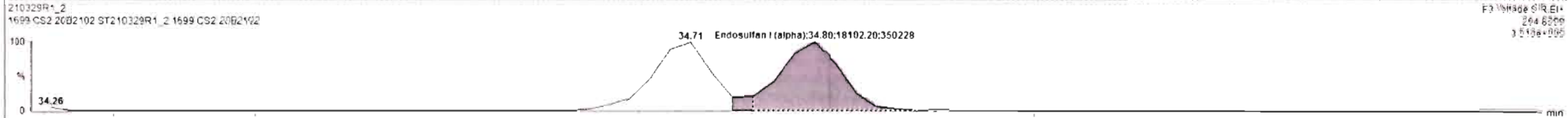
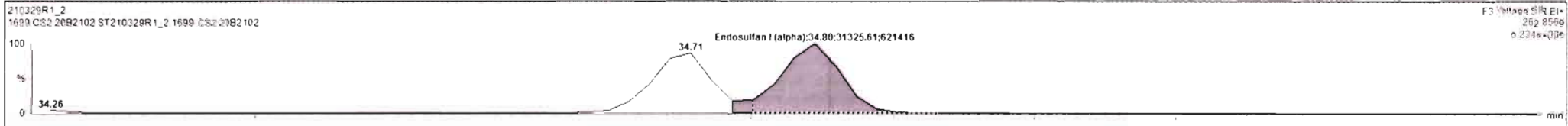
#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
4	Lindane (gamma-BHC)	24.98	2.094	NO	1.4021e5	9.0392e5	10.000	-1.8	8.86	0.790	0.0700
5	Beta-BHC	27.15	2.150	NO	1.2188e5	6.8597e5	10.000	-3.9	7.55	0.925	0.0698
6	Delta-BHC	28.95	2.182	NO	1.2562e5	7.9814e5	10.000	-1.5	9.08	0.863	0.0784
7	Heptachlor	27.27	1.193	NO	8.0428e4	3.9497e5	10.000	-4.8	8.85	1.07	0.0948
8	4,4'-DDNU	28.87	3.140	NO	1.9723e5	7.9814e5	10.000	2.8	3.92	1.14	0.0447
9	Aldrin	29.51	1.848	NO	1.6200e5	7.4583e5	10.000	-0.2	7.55	1.09	0.0822
10	Oxychlorane	32.24	1.614	NO	3.8100e4	1.9022e5	10.000	-7.5	5.96	1.08	0.0547
11	cis-Heptachlor Epoxide	33.06	1.651	NO	5.2095e4	2.4478e5	10.000	-2.5	5.20	1.09	0.0568
12	trans-Heptachlor Epoxide	33.57	1.564	NO	1.2603e4	2.4478e5	10.000	-4.2	6.14	0.289	0.0165
13	trans-Chlordane (gamma)	34.01	1.680	NO	3.7280e4	1.7185e5	10.000	-3.7	6.91	1.13	0.0778
14	trans-Nonachlor	34.21	1.625	NO	3.9227e4	1.9282e5	10.000	-2.4	6.72	1.04	0.0700
15	cis-Chlordane	34.71	1.551	NO	4.2396e4	1.9282e5	10.000	-3.4	6.59	1.14	0.0750
16	Endosulfan I (alpha)	34.80	1.730	NO	4.9428e4	1.2955e5	15.000	15.9	19.2	1.10	0.211
17	4,4'-DDMU	34.49	3.056	NO	4.3560e5	4.8740e5	10.000	6.7	3.83	0.419	0.0190
18	2,4'-DDE	34.71	1.530	NO	1.0198e5	4.8740e5	10.000	5.1	4.68	0.936	0.0466



Ready. 210329R1_2 CAP_NUM

210329R1_2 - ST210329R1_2 1699 CS2 20B2102 - 1699 CS2 20B2102

#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF U	RRF SD
4	Lindane (gamma)-BHC	24.98	2.094	N/D	1.4021e5	9.0392e5	10.000	-1.8	8.86	0.790	0.0700
5	Beta-BHC	27.15	2.150	N/D	1.2138e5	6.8597e5	10.000	-3.9	7.55	0.925	0.0699
6	Delta-BHC	28.95	2.182	N/D	1.3562e5	7.9814e5	10.000	-1.5	9.03	0.883	0.0784
7	Heptachlor	27.27	1.193	N/D	8.0428e4	3.9497e5	10.000	-4.8	8.85	1.07	0.0946
8	4,4-DDNU	28.87	3.140	N/D	1.8723e5	7.9814e5	10.000	2.8	3.92	1.14	0.0447
9	Aldrin	29.51	1.848	N/D	1.6200e5	7.4583e5	10.000	-0.2	7.55	1.09	0.0322
10	Oxychlorane	32.24	1.614	N/D	3.8100e4	1.9022e5	10.000	-7.5	5.05	1.05	0.0547
11	cis-Heptachlor Epoxide	33.06	1.651	N/D	5.2095e4	2.4478e5	10.000	-2.5	5.20	1.03	0.0568
12	trans-Heptachlor Epoxide	33.57	1.564	N/D	1.2603e4	2.4478e5	10.000	-4.2	5.14	0.289	0.0166
13	trans-Chlordane (gamma)	34.01	1.600	N/D	3.7280e4	1.7185e5	10.000	-3.7	6.91	1.13	0.0770
14	trans-Nonachlor	34.21	1.625	N/D	3.9227e4	1.9282e5	10.000	-2.4	6.72	1.04	0.0700
15	cis-Chlordane	34.71	1.551	N/D	4.2396e4	1.9282e5	10.000	-3.4	6.59	1.14	0.0750
16	Endosulfan I (alpha)	34.80	1.730	N/D	4.9428e4	1.2955e5	15.000	15.9	19.2	1.10	0.211
17	4,4-DDMU	34.49	3.056	N/D	4.3560e5	4.8740e6	10.000	6.7	3.93	0.419	0.0160
18	2,4-DCE	34.71	1.530	N/D	1.0198e6	4.8740e6	10.000	5.1	4.68	0.956	0.0466



Dataset: Untitled

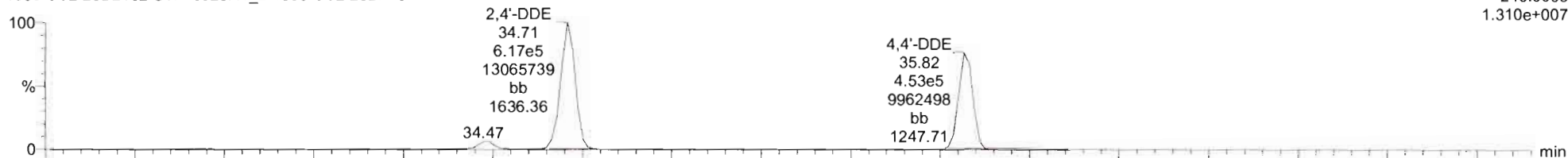
Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_2, Date: 29-Mar-2021, Time: 18:25:12, ID: ST210329R1_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

DDMU-DDE

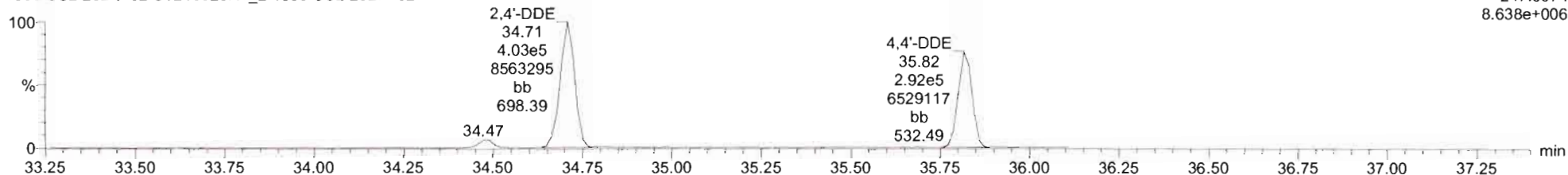
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F3:Voltage SIR, EI+
246.0003
1.310e+007



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

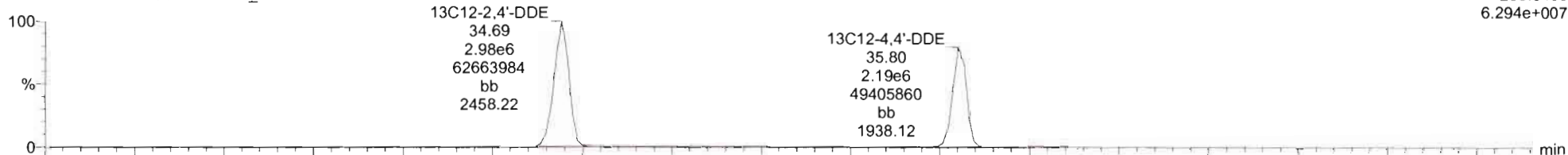
F3:Voltage SIR, EI+
247.9974
8.638e+006



DDE-isotopes

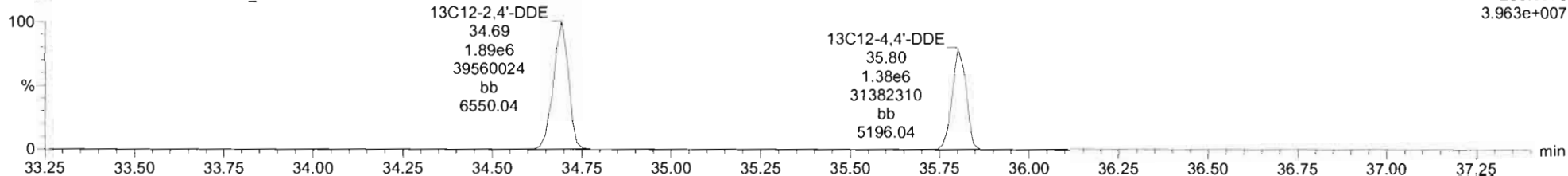
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F3:Voltage SIR, EI+
258.0406
6.294e+007



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F3:Voltage SIR, EI+
260.0376
3.963e+007



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

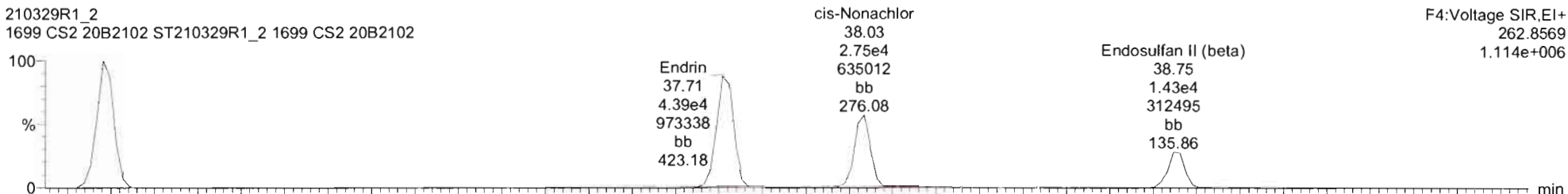
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Dieldrin-EII

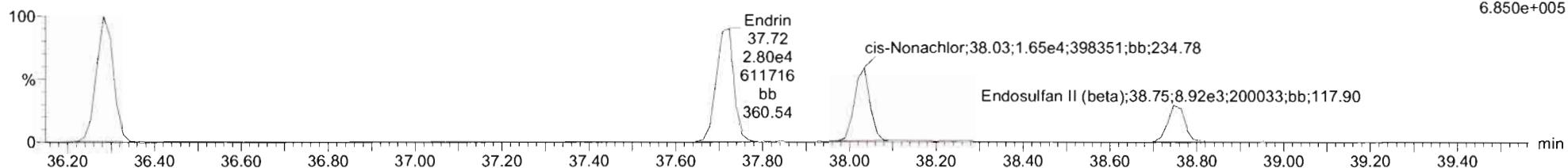
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F4:Voltage SIR,EI+
262.8569
1.114e+006



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

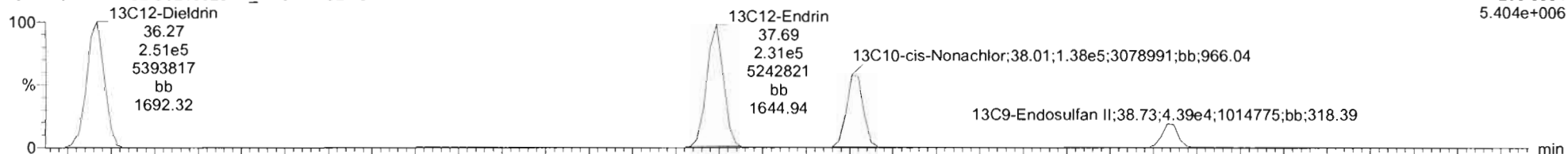
F4:Voltage SIR,EI+
264.8550
6.850e+005



Dieldrin-EII-isotopes

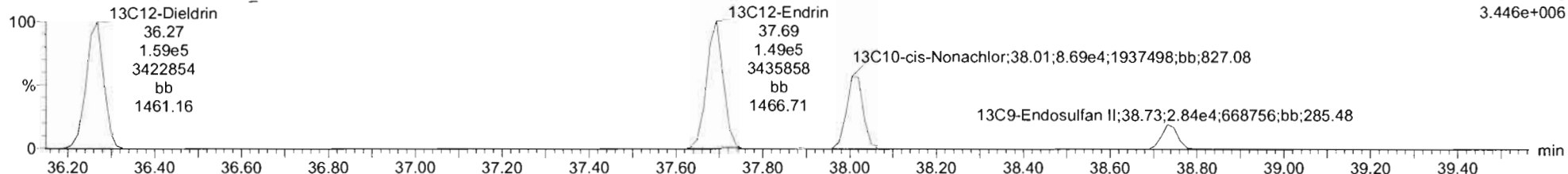
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F4:Voltage SIR,EI+
269.8804
5.404e+006

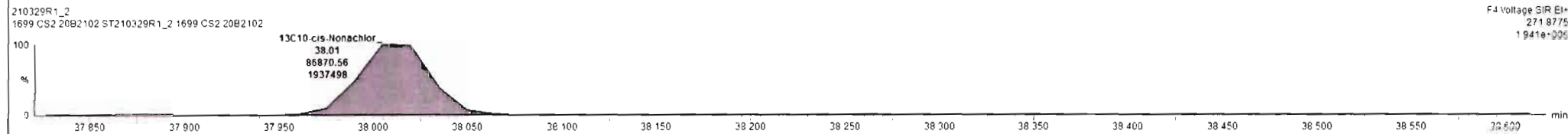
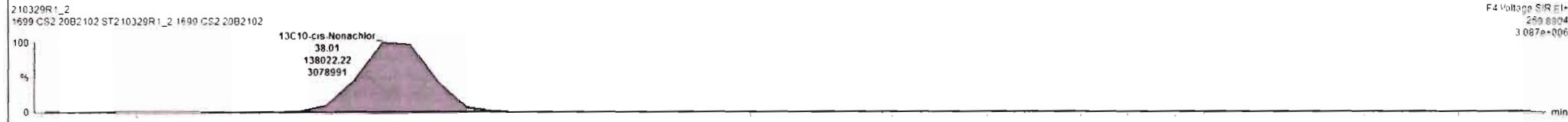
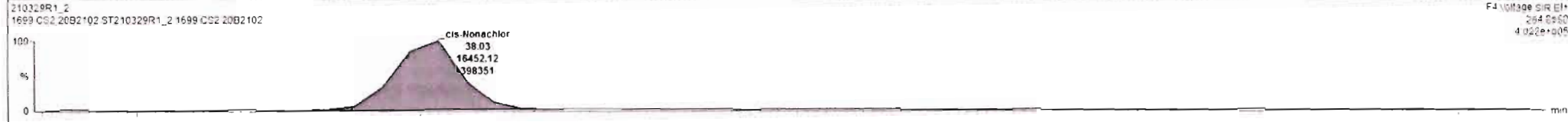
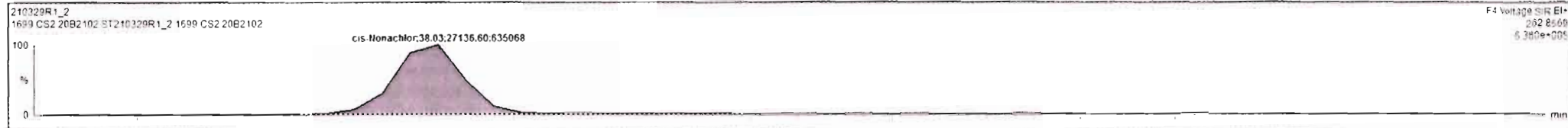


210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F4:Voltage SIR,EI+
271.8775
3.446e+006



#	RT	Name	RA	ym	Area	IS Area	Std Conc	%Dev	%RSD	RRF #	RRF SD
20	36.28	Dieldrin	1.639	NO	8.0363e4	4.1062e5	10.000	-2.2	8.51	1.00	0.0852
21	37.71	Endrin	1.566	NO	7.1914e4	3.7999e5	10.000	-3.1	7.76	0.977	0.0758
22	38.03	cis-Nonachlor	1.649	NO	4.3589e4	2.2489e5	10.000	-4.2	5.52	1.01	0.0558
23	38.75	Endosulfan II (beta)	1.598	NO	2.3176e4	7.2302e4	15.000	6.0	7.48	1.01	0.0754
24	36.98	2,4-DDD	1.512	NO	6.2471e5	3.8464e6	10.000	4.1	5.12	0.760	0.0399
25	38.12	2,4-DDT	1.481	NO	2.8723e5	1.8624e6	10.000	2.7	8.41	0.751	0.0631
26	38.27	4,4-DDD	1.527	NO	5.8427e5	3.3274e6	10.000	3.8	5.15	0.946	0.0435
27	39.34	4,4-DDT	1.506	NO	2.1878e5	1.2805e6	10.000	1.5	6.58	0.842	0.0554
28	40.52	Endosulfan Sulfate	1.559	NO	2.6117e4	8.7182e4	15.000	-6.0	3.04	1.05	0.0319
29	42.39	4,4'-Methoxychlor	5.708	NO	4.6682e5	1.5403e7	15.000	2.4	3.03	0.967	0.0299
30	42.83	M-rex	1.549	NO	1.8419e5	9.1109e5	10.000	-1.2	8.28	0.979	0.0811
31	39.90	Endrin Aldehyde	0.616	NO	6.4355e4	2.3073e6	15.000	-4.8	3.76	0.977	0.0368
32	42.99	Endrin Ketone	0.618	NO	3.6796e4	1.4726e6	15.000	-2.6	4.46	0.855	0.0352
33	9.56	13C4-Hexachlorobutadiene	1.211	NO	3.2529e6	5.4788e6	500.000	-28.7	33.9	0.6837	0.0282
34	21.40	13C6-Hexachlorobenzene	1.265	NO	3.6138e6	5.4788e6	500.000	-0.7	1.92	0.664	0.0127

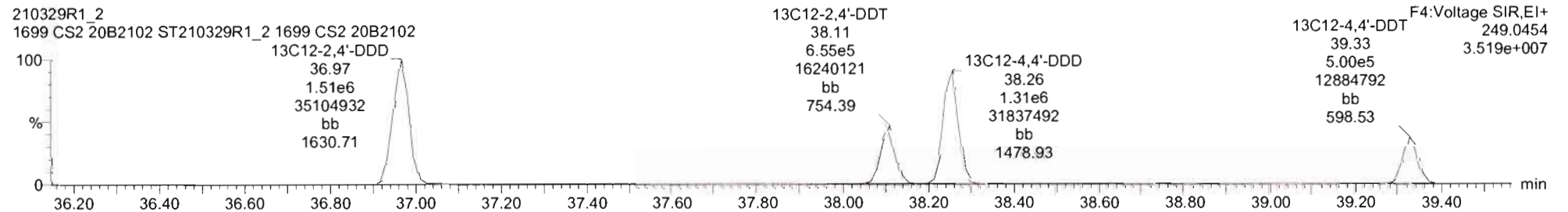
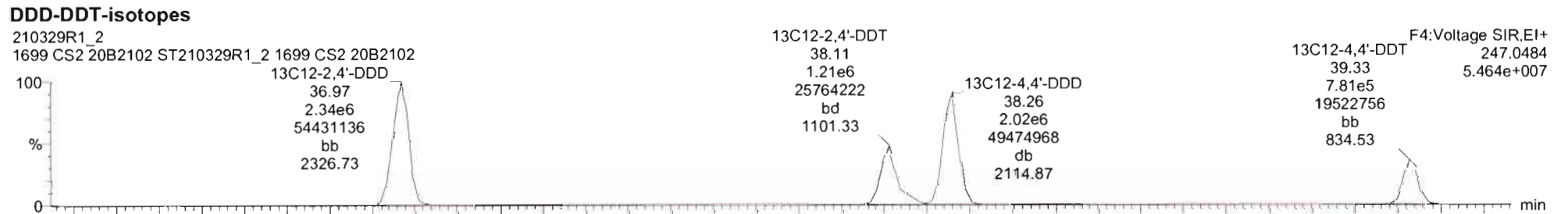
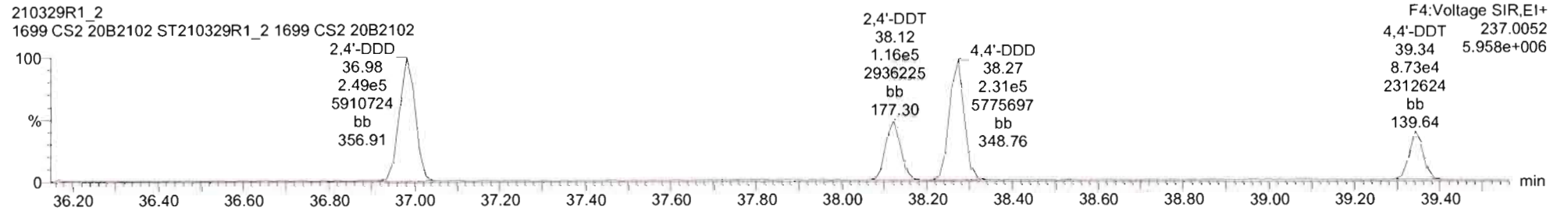
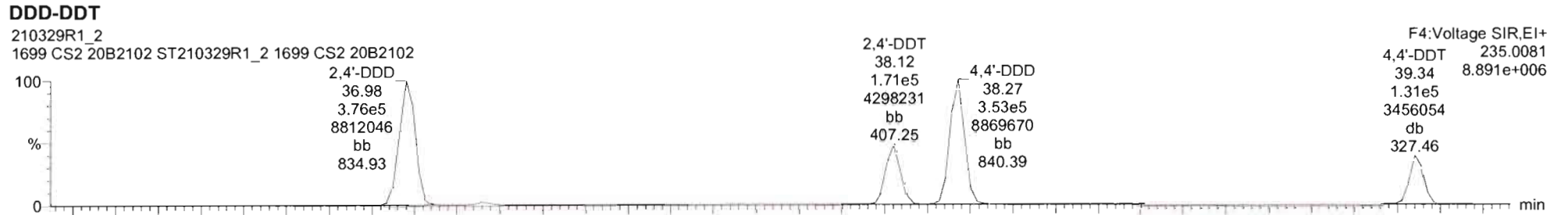


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Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_2, Date: 29-Mar-2021, Time: 18:25:12, ID: ST210329R1_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102



210329R1_2 - ST210329R1_2 1699 CS2 20B2102 - 1699 CS2 20B2102

#	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
20	Dieldrin	36.28	1.639	NO	8.0363e4	4.1062e5	10.000	-2.2	8.51	1.00	0.0052
21	Endrin	37.71	1.566	NO	7.1914e4	3.7599e5	10.000	-3.1	7.76	0.977	0.0758
22	cis-Nonachlor	35.03	1.649	NO	4.3599e4	2.2489e5	10.000	-4.2	5.52	1.01	0.0558
23	Endosulfan II (beta)	38.75	1.598	NO	2.3176e4	7.2302e4	15.000	6.0	7.48	1.01	0.0754
24	2,4-DDD	36.98	1.512	NO	6.2471e5	3.8464e6	10.000	4.1	5.12	0.780	0.0399
25	2,4'-DDT	38.12	1.481	NO	2.8723e5	1.8624e6	10.000	2.7	6.41	0.751	0.0621
26	4,4'-DDD	38.27	1.527	NO	5.8427e5	3.3274e6	10.000	3.8	5.15	0.946	0.0435
27	4,4'-DDT	39.34	1.496	NO	2.1790e5	1.2905e6	10.000	1.2	6.56	0.841	0.0552
28	Endosulfan Sulfate	40.52	1.559	NO	2.6117e4	8.7182e4	15.000	-5.0	3.04	1.05	0.0219
29	4'-Methoxychlor	42.39	5.708	NO	4.8688e5	1.5403e7	15.000	2.4	3.03	0.987	0.0299
30	Mirex	42.83	1.549	NO	1.8418e5	9.1109e5	10.000	3.2	8.28	0.979	0.0511
31	Endrin Aldehyde	39.90	0.616	NO	6.4355e4	2.3073e6	15.000	-4.8	3.76	0.977	0.0268
32	Endrin Ketone	42.99	0.616	NO	3.6796e4	1.4726e6	15.000	-2.6	4.46	0.855	0.0382
33	13C4-Hexachlorobutadiene	9.56	1.211	NO	1.2529e6	5.4788e6	500.000	-28.7	33.9	0.023	0.0282
34	13C6-Hexachlorobenzene	21.40	1.265	NO	3.6138e6	5.4788e6	50.000	-0.7	1.92	0.864	0.0127

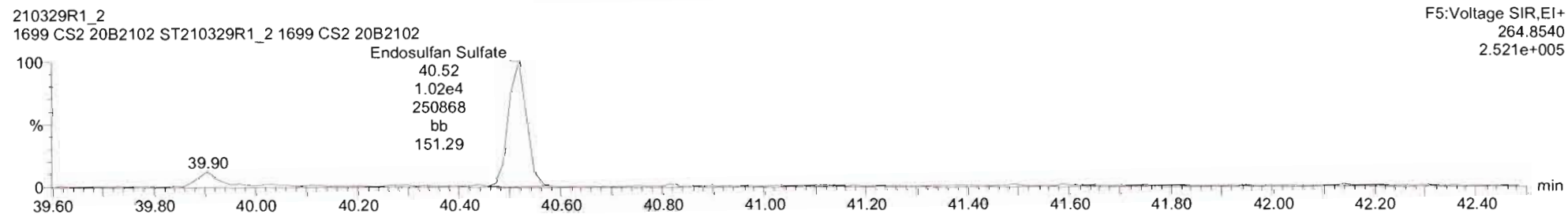
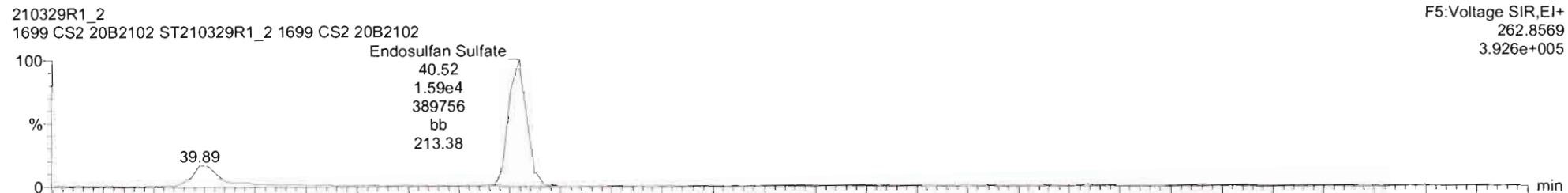


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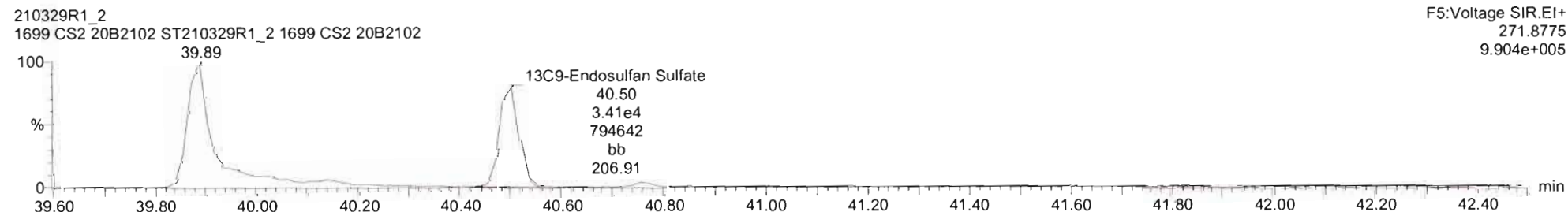
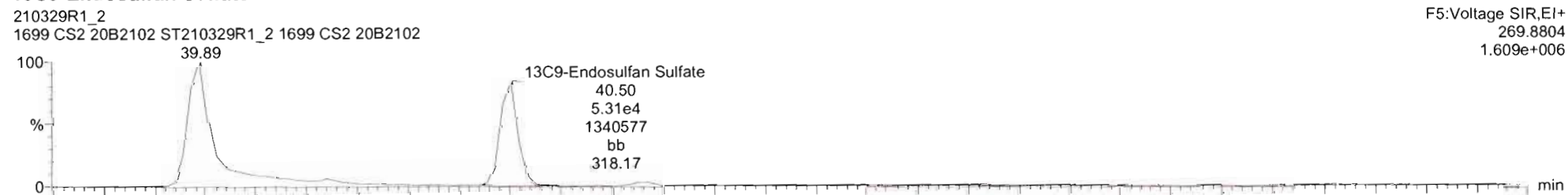
Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_2, Date: 29-Mar-2021, Time: 18:25:12, ID: ST210329R1_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

Endosulfan Sulfate



13C9-Endosulfan Sulfate



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_2, Date: 29-Mar-2021, Time: 18:25:12, ID: ST210329R1_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

4,4'-Methoxychlor

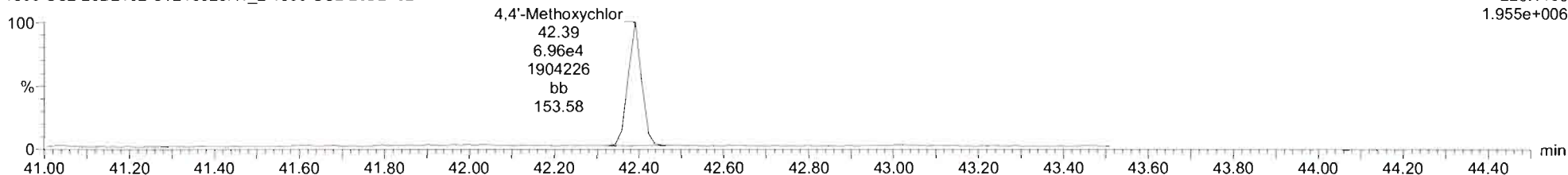
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F5:Voltage SIR,EI+
227.1072
1.095e+007



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

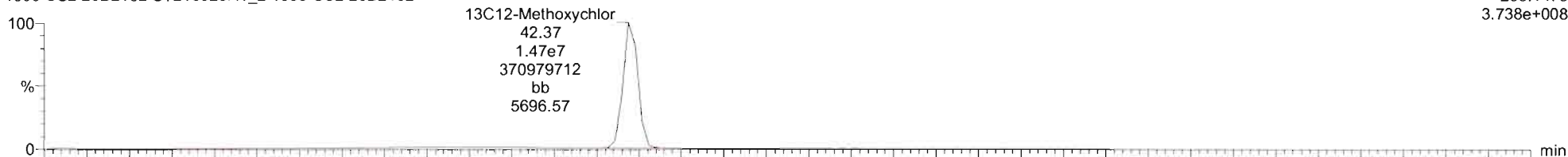
F5:Voltage SIR,EI+
228.1106
1.955e+006



13C12-Methoxychlor

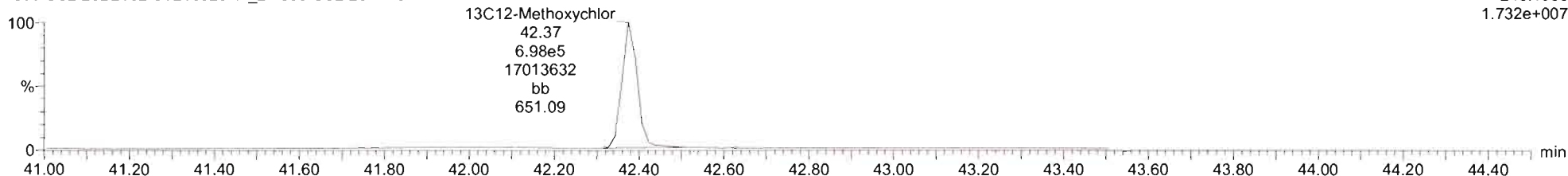
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F5:Voltage SIR,EI+
239.1475
3.738e+008



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F5:Voltage SIR,EI+
240.1508
1.732e+007



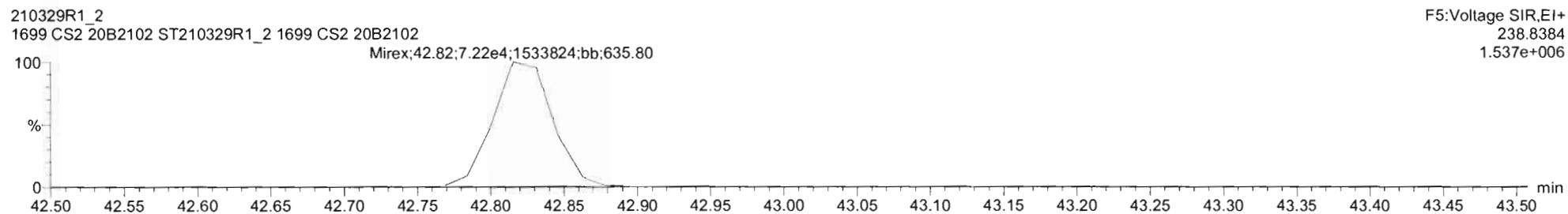
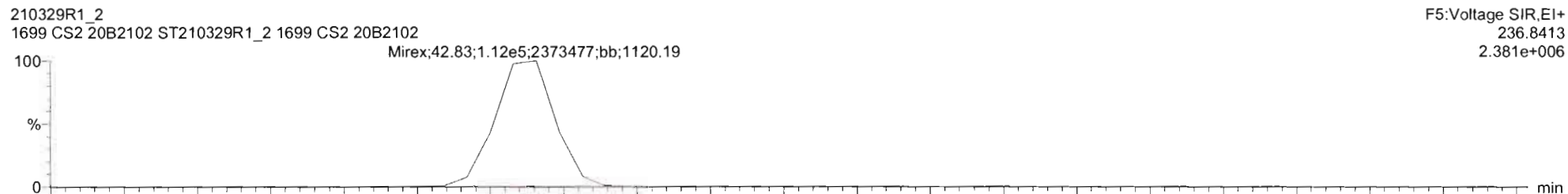
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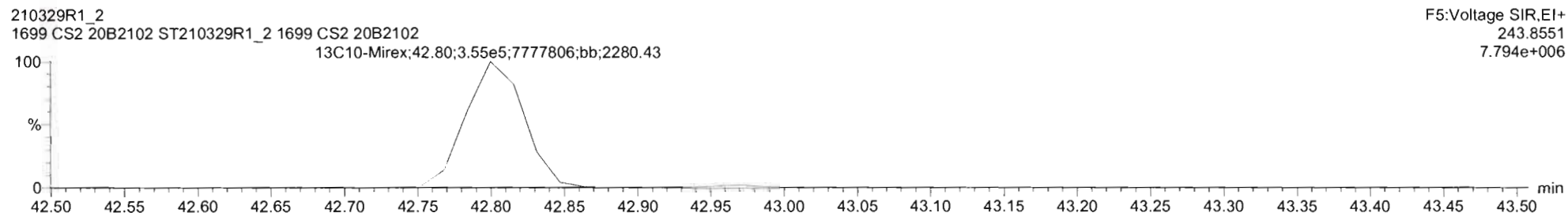
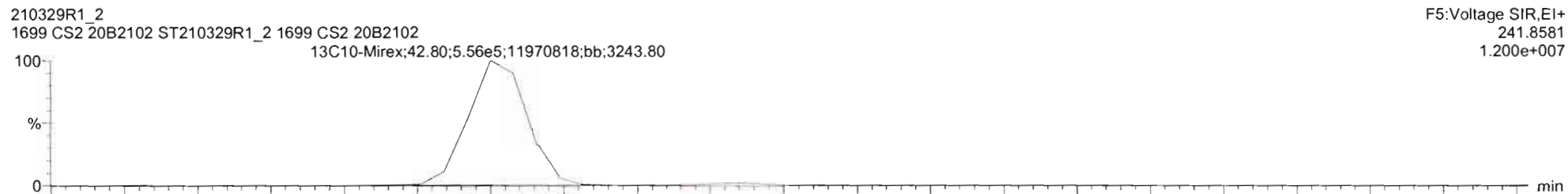
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Mirex



13C10-Mirex



Dataset: Untitled

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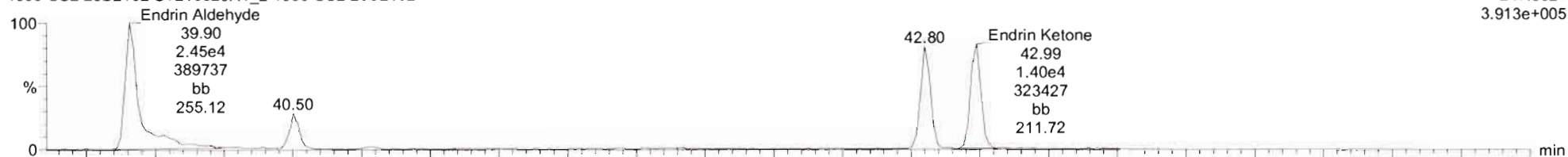
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

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EA-EK

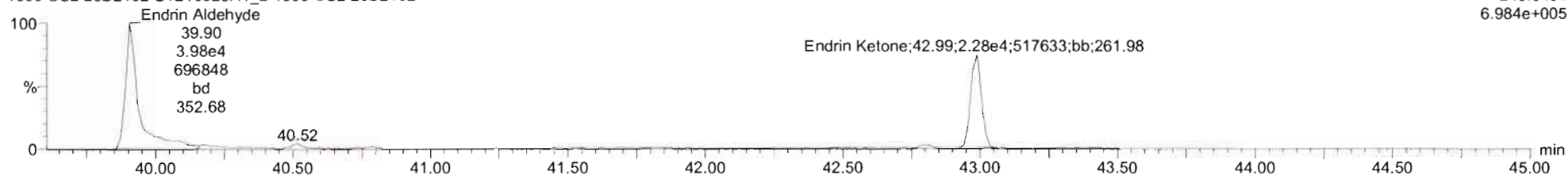
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F5:Voltage SIR,EI+
247.8521
3.913e+005



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

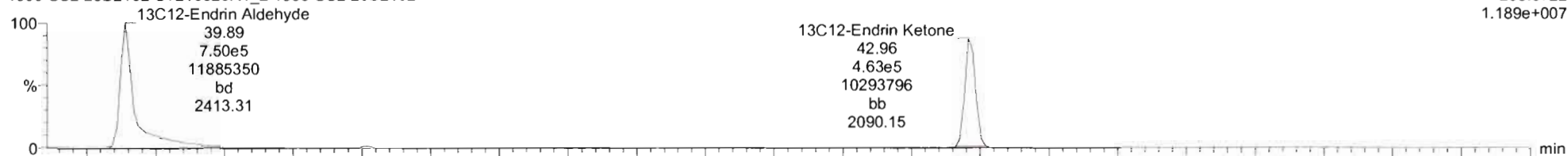
F5:Voltage SIR,EI+
249.8491
6.984e+005



EA-EK-isotopes

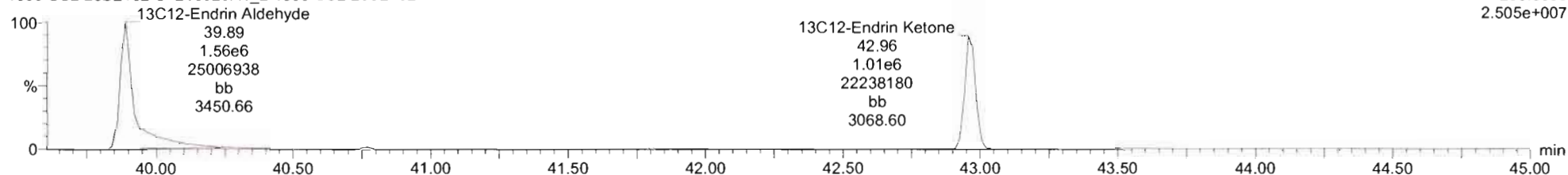
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F5:Voltage SIR,EI+
253.8722
1.189e+007



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F5:Voltage SIR,EI+
255.8693
2.505e+007



#	Name	RT	RA	yn	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
28	Endosulfan Sulfate	40.52	1.559	NO	2.6117e4	8.7182e4	15.000	-5.0	3.04	1.05	0.0219
29	4.4-Methoxychlor	42.39	5.708	NO	4.6668e5	1.5403e7	15.000	2.4	3.03	0.997	0.0299
30	Mmax	42.83	1.549	NO	1.8418e5	9.1109e5	10.000	3.2	8.28	0.979	0.0511
31	Endrin Aldehyde	39.90	0.598	NO	4.7381e4	1.6759e6	15.000	-3.7	3.45	0.979	0.0338
32	Endrin Ketone	42.99	0.616	NO	3.6796e4	1.4726e6	15.000	-2.6	4.46	0.855	0.0382
33	13C4-Hexachlorobutadiene	9.56	1.211	NO	3.2529e6	5.4788e6	500.000	-28.7	33.9	0.0832	0.0282
34	13C6-Hexachlorobenzene	21.40	1.265	NO	3.6138e6	5.4788e6	50.000	-0.7	1.92	0.564	0.0127
35	13C6-Alpha-BHC	21.81	0.771	NO	1.2021e6	5.4788e6	50.000	-1.8	2.07	0.223	0.00462
36	13C6-Lindane (gamma)	24.95	0.772	NO	9.0392e5	5.4788e6	50.000	-2.0	3.21	0.168	0.00540
37	13C6-Beta-BHC	27.14	0.771	NO	6.8597e5	5.4788e6	50.000	-3.0	4.27	0.129	0.00551
38	13C6-Delta-BHC	28.92	0.777	NO	7.9814e5	5.4788e6	50.000	-3.3	4.82	0.151	0.00726
39	13C10-Heptachlor	27.23	1.276	NO	3.9497e5	5.4788e6	50.000	-15.4	16.0	0.0852	0.0126
40	13C12-Aldrin	29.47	1.719	NO	7.4533e5	5.4788e6	50.000	0.7	4.58	0.135	0.00618
41	13C10-Oxychlorane	32.21	1.759	NO	1.6932e5	5.4788e6	50.000	1.2	6.43	0.0343	0.00186
42	13C10-cis-Heptachlor Epo	33.04	1.659	NO	2.4478e5	5.4788e6	50.000	0.4	7.57	0.0445	0.00337



Repts: 210329R1_2 CAP: NUM

Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

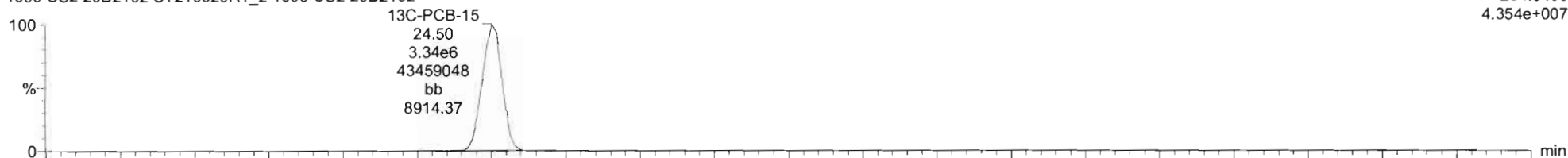
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Name: 210329R1_2, Date: 29-Mar-2021, Time: 18:25:12, ID: ST210329R1_2 1699 CS2 20B2102, Description: 1699 CS2 20B2102

13C-PCB-15

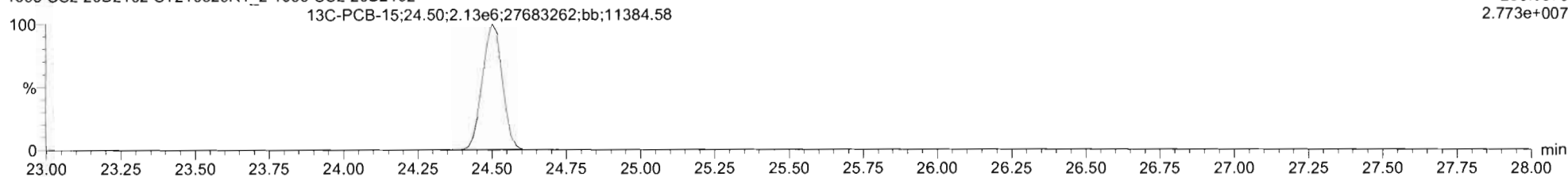
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F2:Voltage SIR,EI+
234.0406
4.354e+007



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

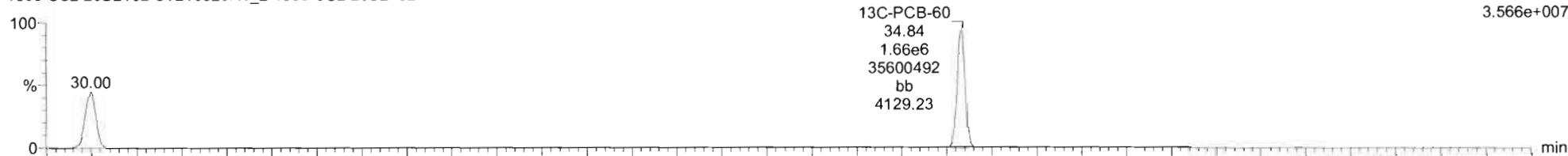
F2:Voltage SIR,EI+
236.0376
2.773e+007



13C-PCB-60

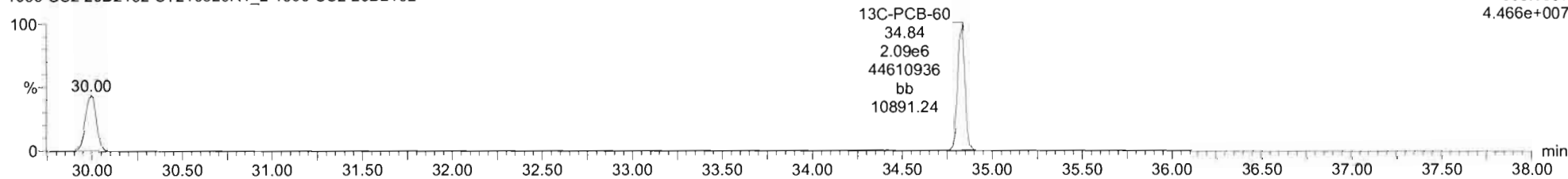
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F3:Voltage SIR,EI+
301.9626
3.566e+007



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F3:Voltage SIR,EI+
303.9597
4.466e+007



Dataset: Untitled

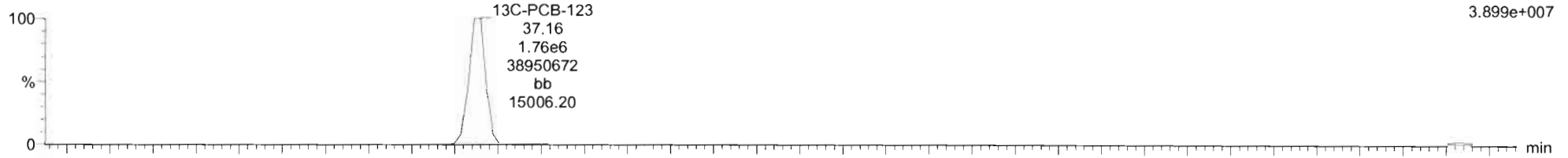
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Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

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13C-PCB-123

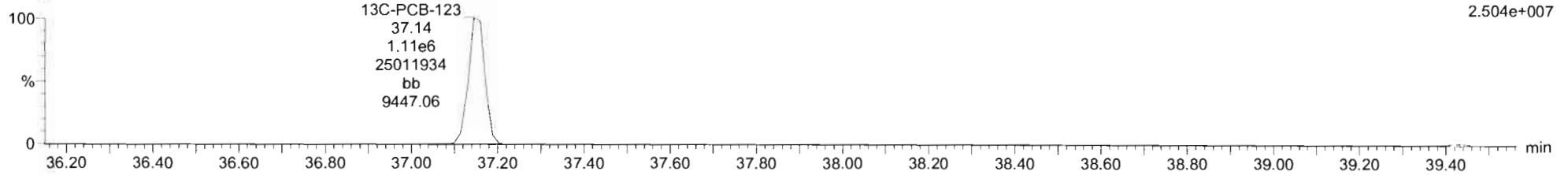
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F4:Voltage SIR,EI+
337.9210
3.899e+007



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

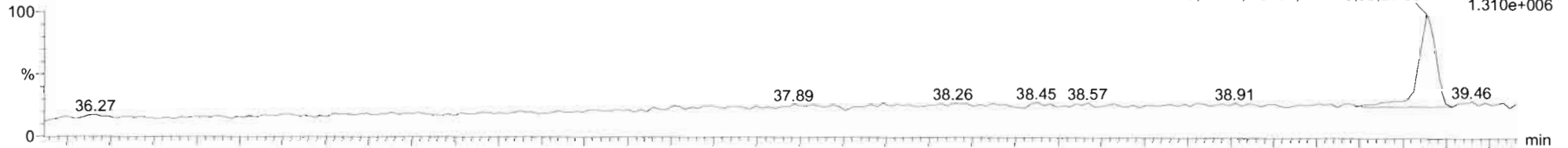
F4:Voltage SIR,EI+
339.9180
2.504e+007



13C-PARLAR 39

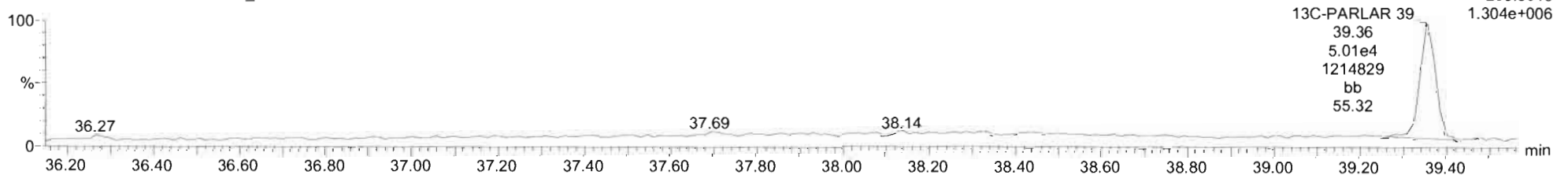
210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F4:Voltage SIR,EI+
251.9648
1.310e+006
13C-PARLAR 39;39.36;4.51e4;978829;db;28.56



210329R1_2
1699 CS2 20B2102 ST210329R1_2 1699 CS2 20B2102

F4:Voltage SIR,EI+
253.9619
1.304e+006



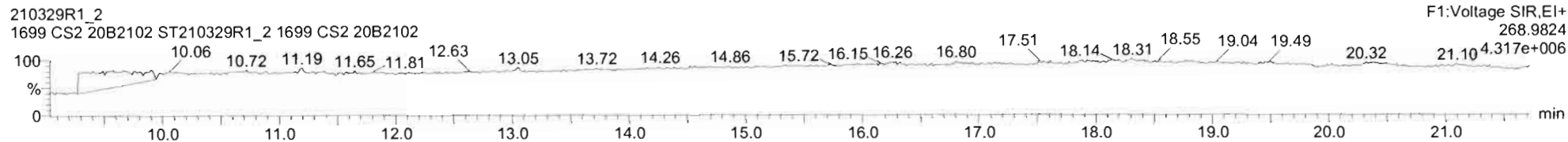
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Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

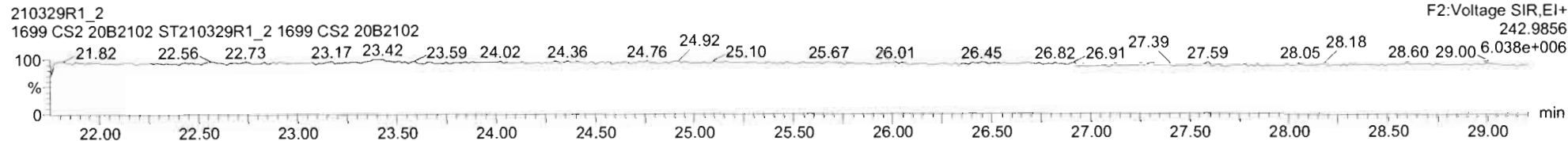
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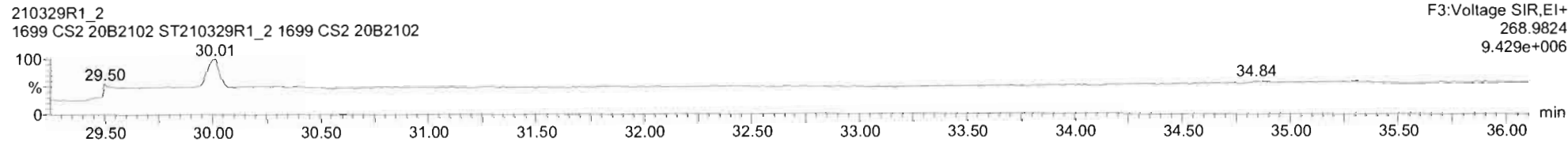
PFK1



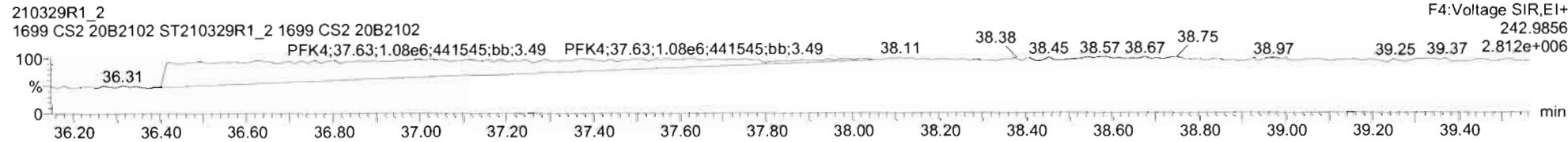
PFK2



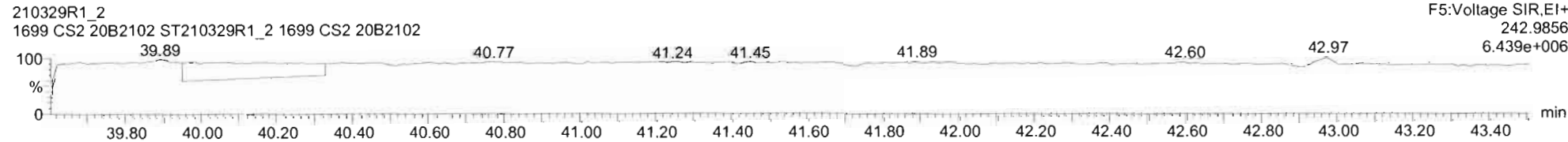
PFK3



PFK4



PFK5



Dataset: Untitled

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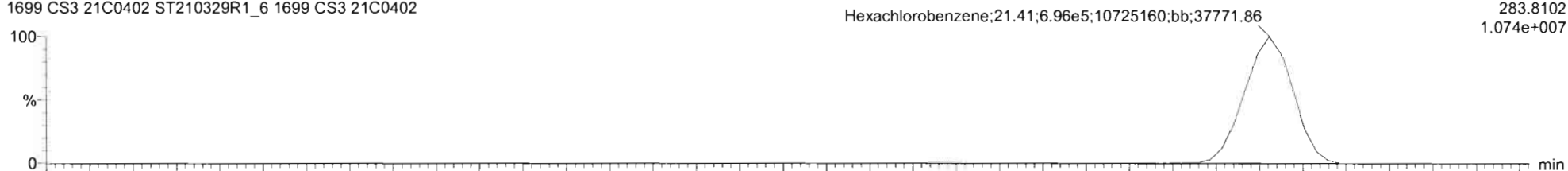
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Name: 210329R1_6, Date: 29-Mar-2021, Time: 21:33:31, ID: ST210329R1_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Hexachlorobenzene

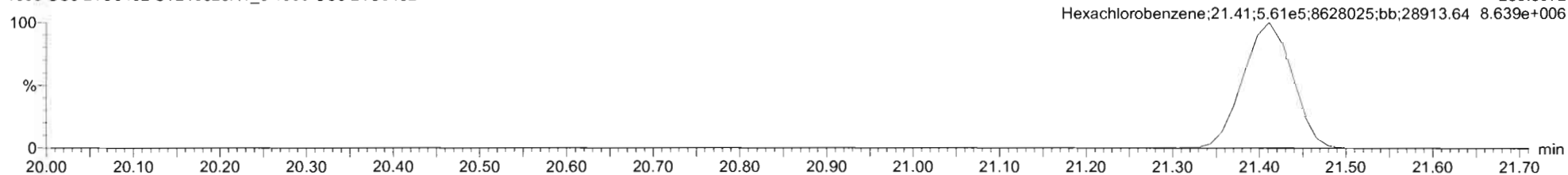
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F1:Voltage SIR,EI+
283.8102
1.074e+007



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

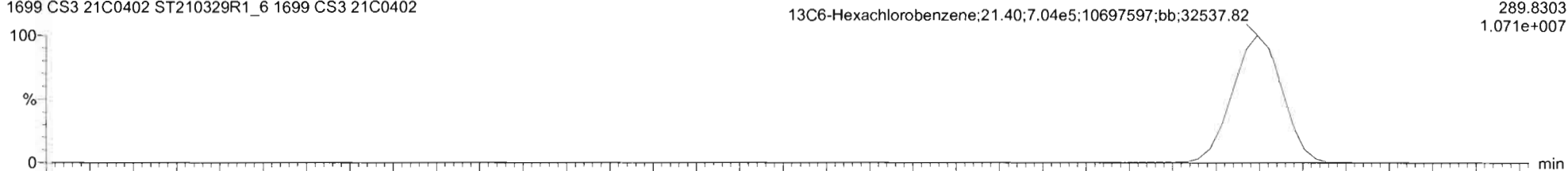
F1:Voltage SIR,EI+
285.8072
8.639e+006



13C6-Hexachlorobenzene

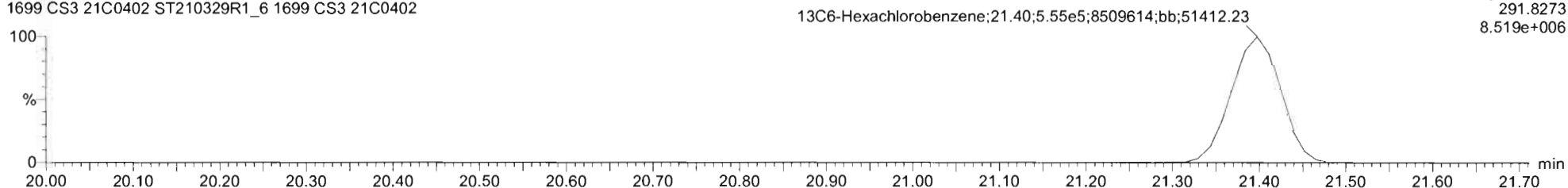
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F1:Voltage SIR,EI+
289.8303
1.071e+007



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F1:Voltage SIR,EI+
291.8273
8.519e+006

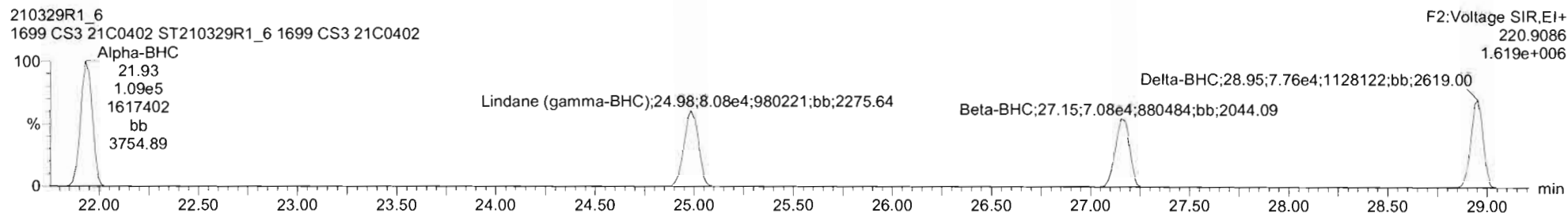
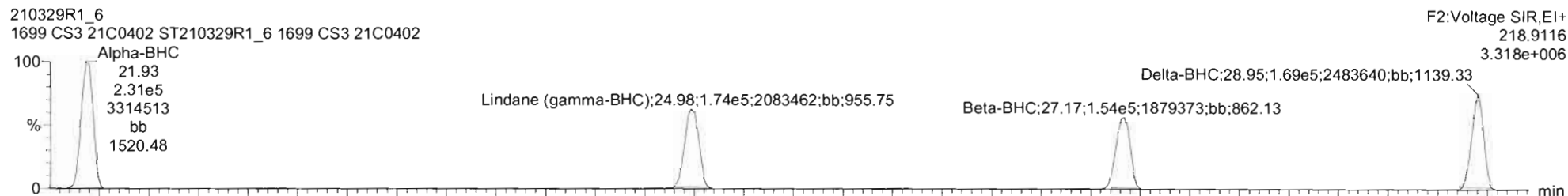


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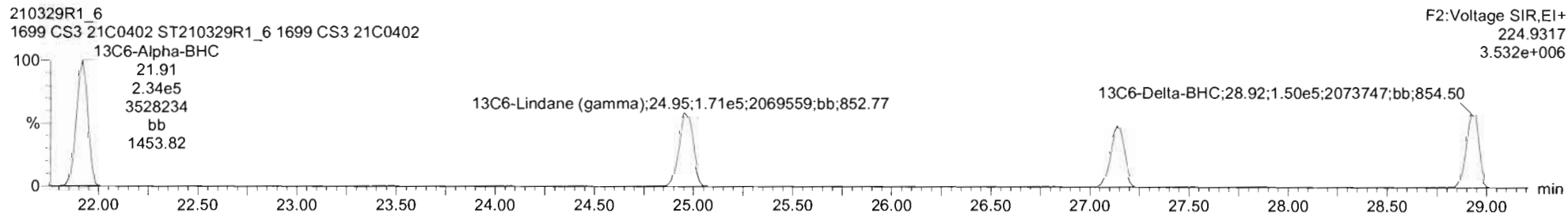
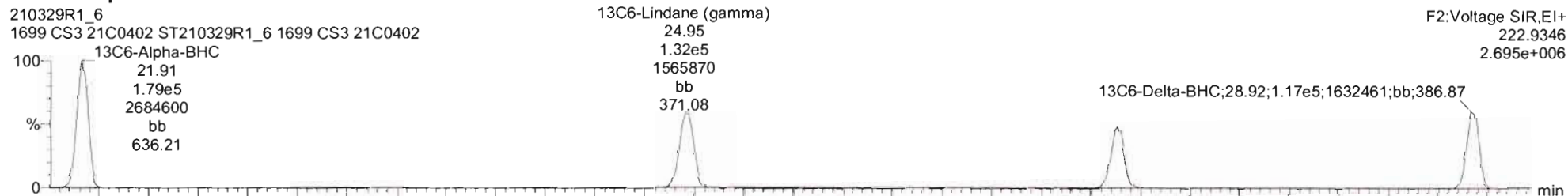
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Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_6, Date: 29-Mar-2021, Time: 21:33:31, ID: ST210329R1_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

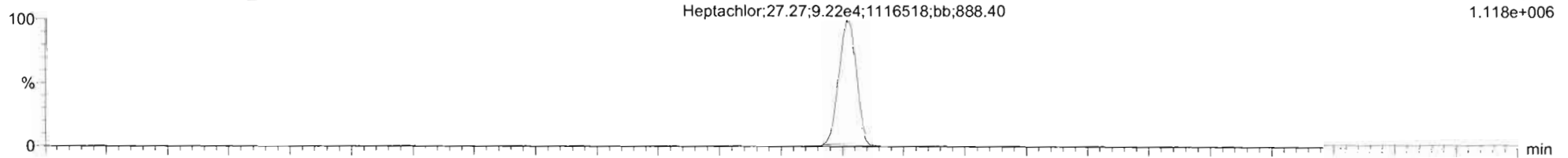
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Name: 210329R1_6, Date: 29-Mar-2021, Time: 21:33:31, ID: ST210329R1_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Heptachlor

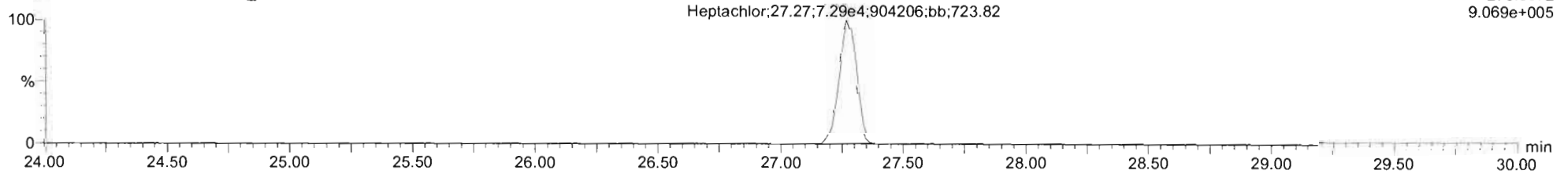
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F2:Voltage SIR,EI+
271.8102
1.118e+006



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

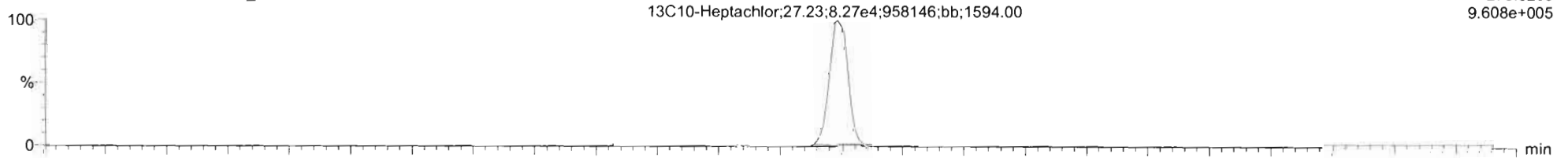
F2:Voltage SIR,EI+
273.8072
9.069e+005



13C10-Heptachlor

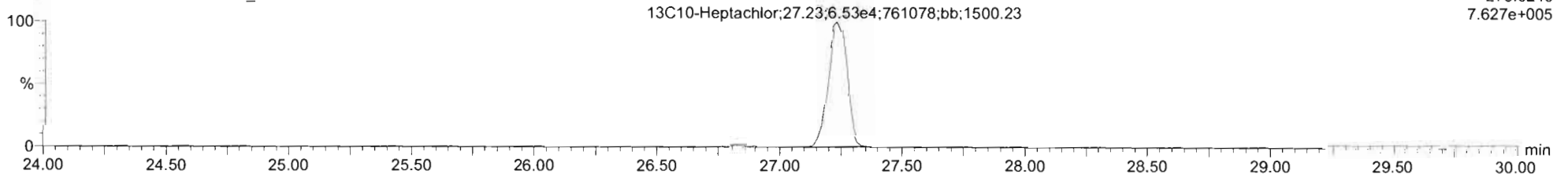
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F2:Voltage SIR,EI+
276.8269
9.608e+005



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F2:Voltage SIR,EI+
278.8240
7.627e+005



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

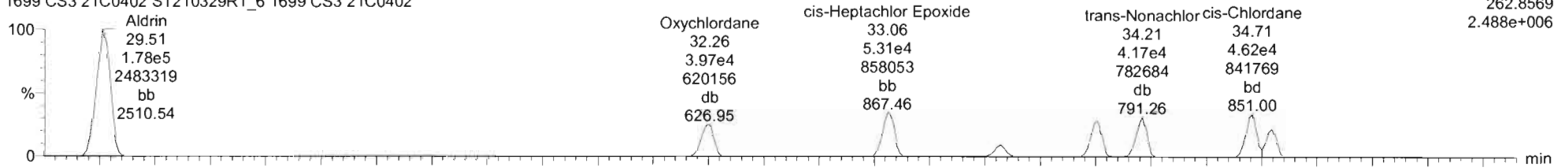
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Name: 210329R1_6, Date: 29-Mar-2021, Time: 21:33:31, ID: ST210329R1_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Aldrin-EI

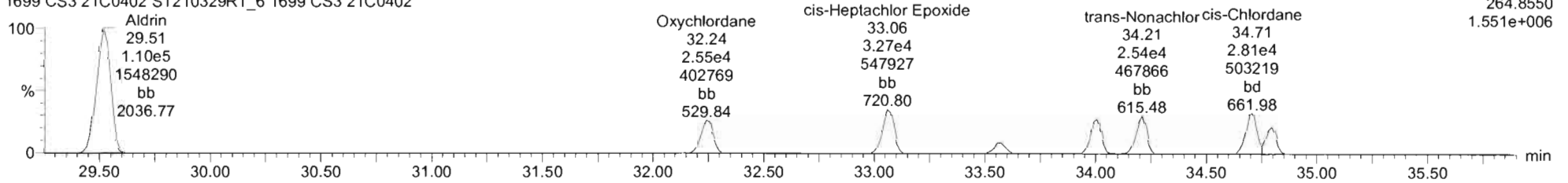
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F3:Voltage SIR,EI+
262.8569
2.488e+006



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

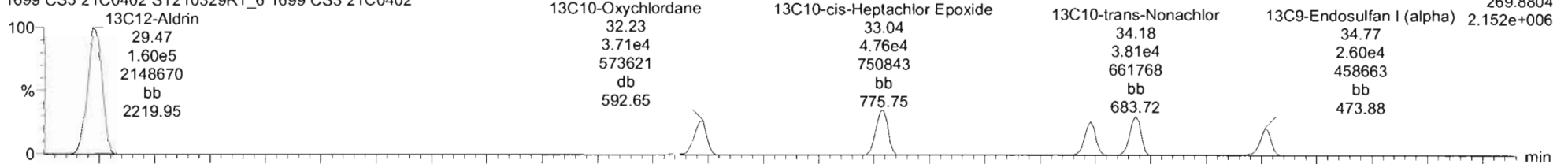
F3:Voltage SIR,EI+
264.8550
1.551e+006



Aldrin-EI-isotopes

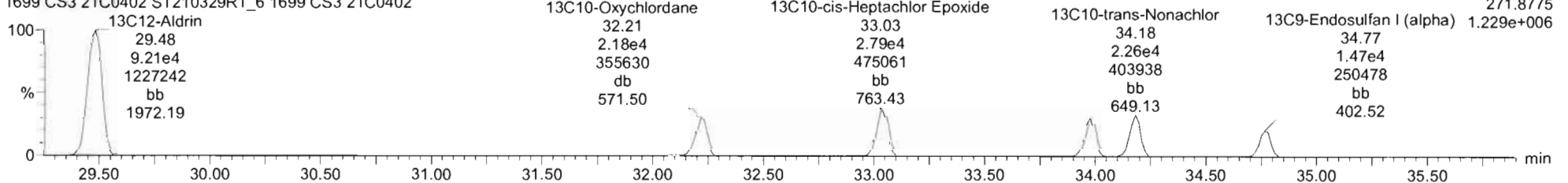
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F3:Voltage SIR,EI+
269.8804
2.152e+006

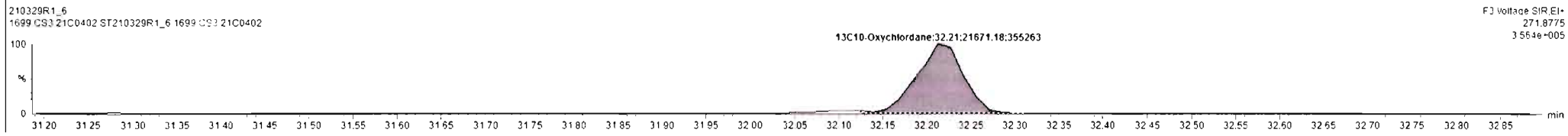
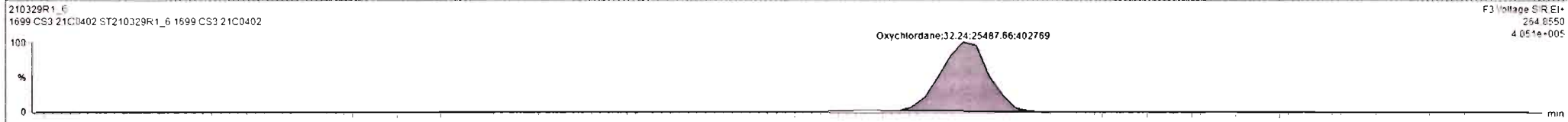


210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F3:Voltage SIR,EI+
271.8775
1.229e+006



#	Name	RT	RA	Y/N	Area	IS Area	Std. Conc	%Dev	%RSD	RRF U	RRF SD
3	3 Alpha-BHC	21.93	2.111	NO	3.3995e5	4.1257e5	50.000	5.5	8.96	0.781	0.0700
4	4 Lindane (gamma-BHC)	24.98	2.153	NO	2.5469e5	3.0305e5	50.000	6.4	8.86	0.790	0.0700
5	5 Beta-BHC	27.17	2.174	NO	2.2475e5	2.3216e5	50.000	4.7	7.55	0.925	0.0698
6	6 Delta-BHC	28.95	2.173	NO	2.4624e5	2.6687e5	50.000	6.9	9.08	0.863	0.0704
7	7 Heptachlor	27.27	1.264	NO	1.6513e5	1.4795e5	50.000	4.4	8.85	1.07	0.0946
8	8 4,4-DDMU	28.86	3.101	NO	3.1684e5	2.6687e5	50.000	4.0	3.92	1.14	0.0427
9	9 Aldrin	29.51	1.619	NO	2.9725e5	2.5206e5	50.000	4.7	7.55	1.09	0.0322
10	10 Oxychlordane	32.26	1.558	NO	6.5185e4	5.8554e4	50.000	2.7	5.09	1.08	0.0551
11	11 cis-Heptachlor Epoxide	33.06	1.627	NO	8.5311e4	7.5460e4	50.000	4.2	5.20	1.09	0.0569
12	12 trans-Heptachlor Epoxide	33.57	1.651	NO	2.0609e4	7.5460e4	50.000	1.7	6.14	0.259	0.0185
13	13 trans-Chlordane (gamma)	34.01	1.636	NO	6.3884e4	5.2805e4	50.000	7.4	6.91	1.13	0.0778
14	14 trans-Nonachlor	34.21	1.638	NO	6.7099e4	6.0709e4	50.000	6.1	6.72	1.04	0.0700
15	15 cis-Chlordane	34.71	1.645	NO	7.4312e4	6.0709e4	50.000	7.5	6.59	1.14	0.0750
16	16 Endosulfan I (alpha)	34.79	1.626	NO	4.6140e4	4.0754e4	50.000	1.3	17.3	1.12	0.192
17	17 4,4-DDMU	34.49	3.005	NO	6.7381e5	1.6178e6	50.000	0.4	3.83	0.419	0.0180



Custom Reporting: Select reports to generate

Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

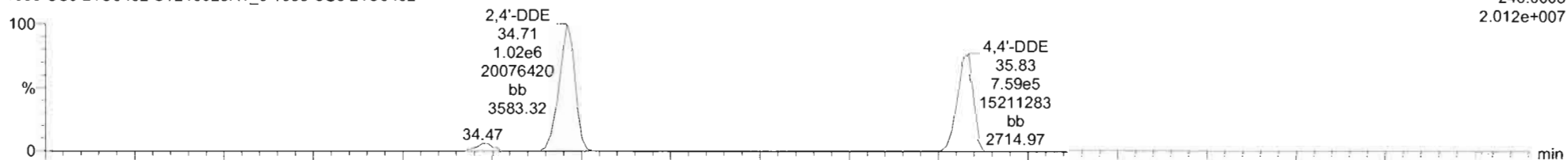
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_6, Date: 29-Mar-2021, Time: 21:33:31, ID: ST210329R1_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

DDMU-DDE

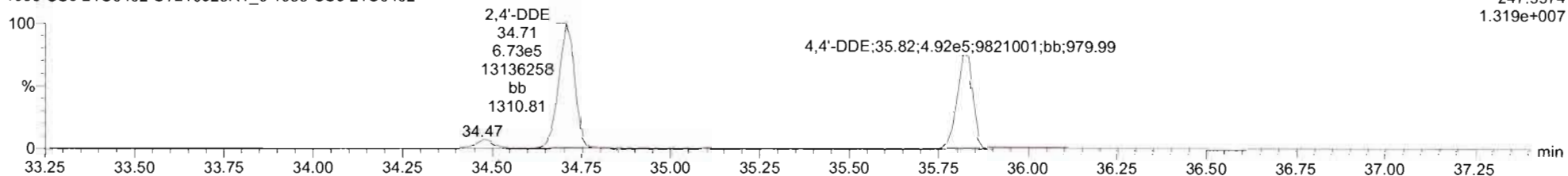
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F3:Voltage SIR,EI+
246.0003
2.012e+007



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

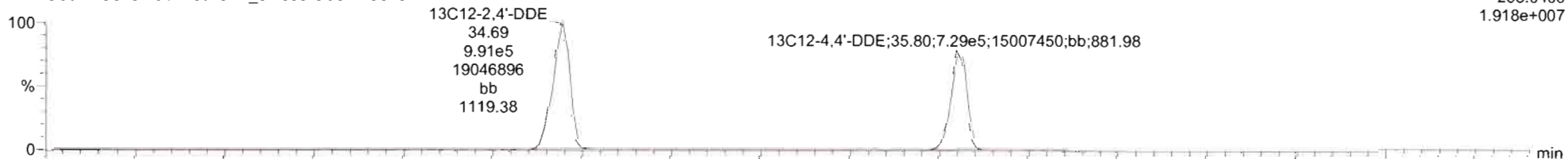
F3:Voltage SIR,EI+
247.9974
1.319e+007



DDE-isotopes

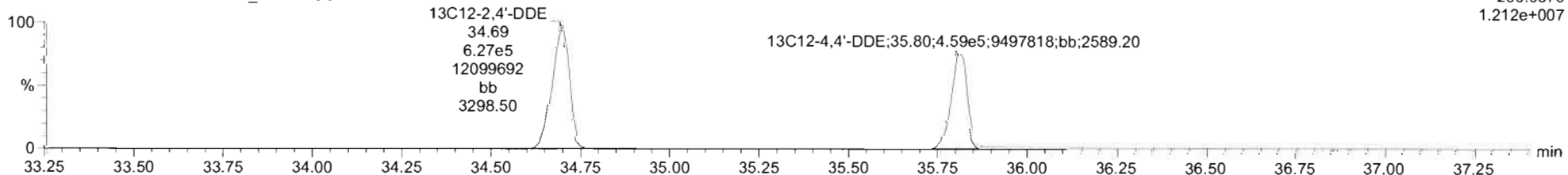
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F3:Voltage SIR,EI+
258.0406
1.918e+007



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F3:Voltage SIR,EI+
260.0376
1.212e+007



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

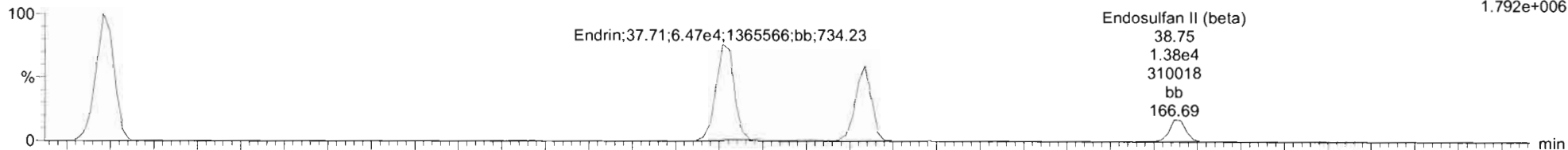
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

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Dieldrin-EII

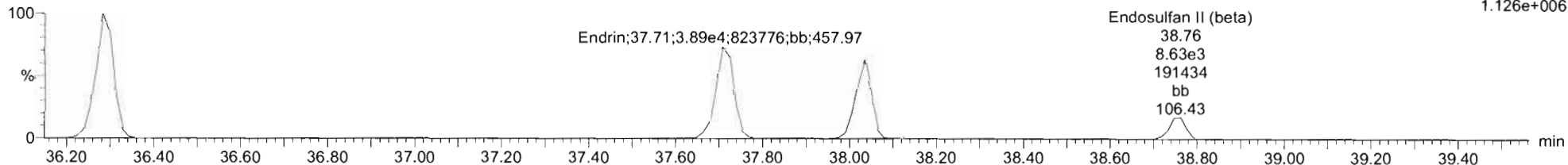
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F4:Voltage SIR,EI+
262.8569
1.792e+006



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

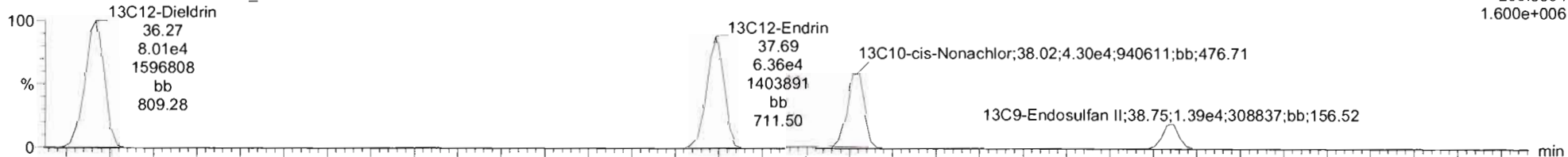
F4:Voltage SIR,EI+
264.8550
1.126e+006



Dieldrin-EII-isotopes

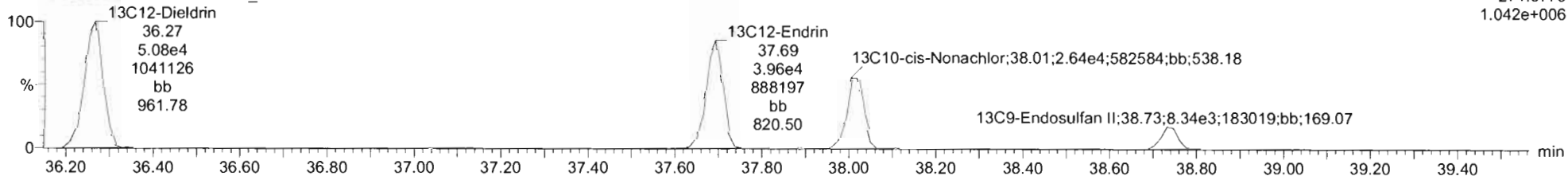
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F4:Voltage SIR,EI+
269.8804
1.600e+006



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F4:Voltage SIR,EI+
271.8775
1.042e+006

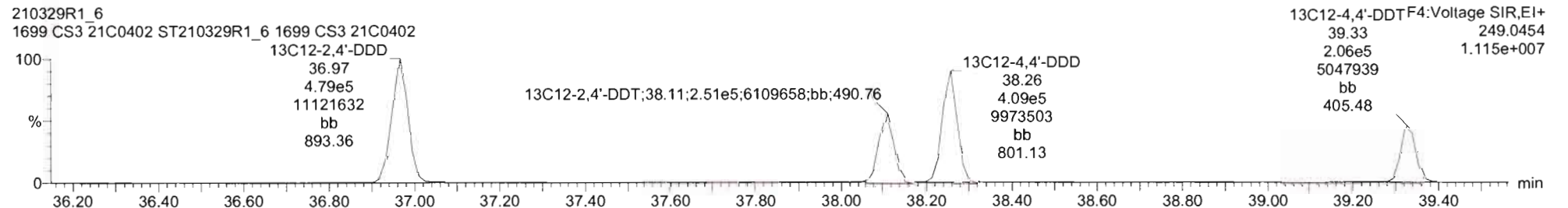
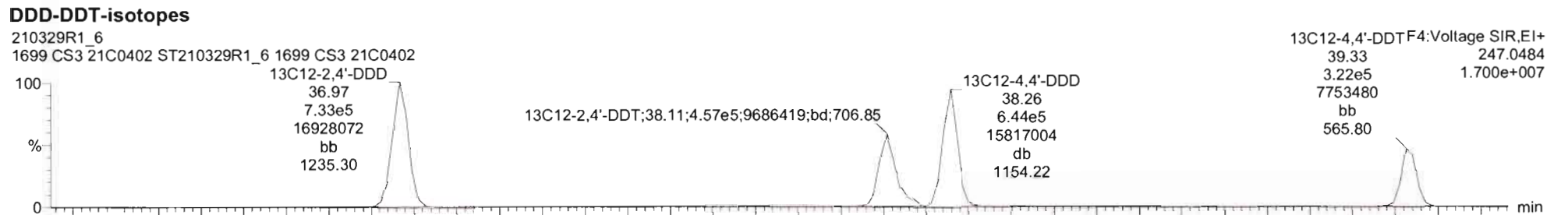
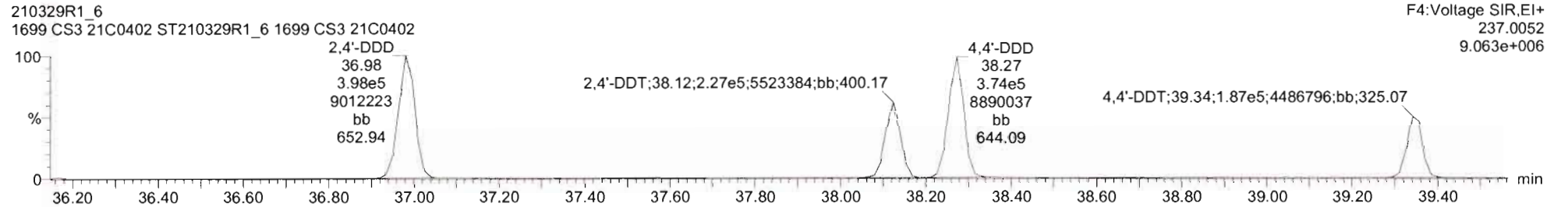
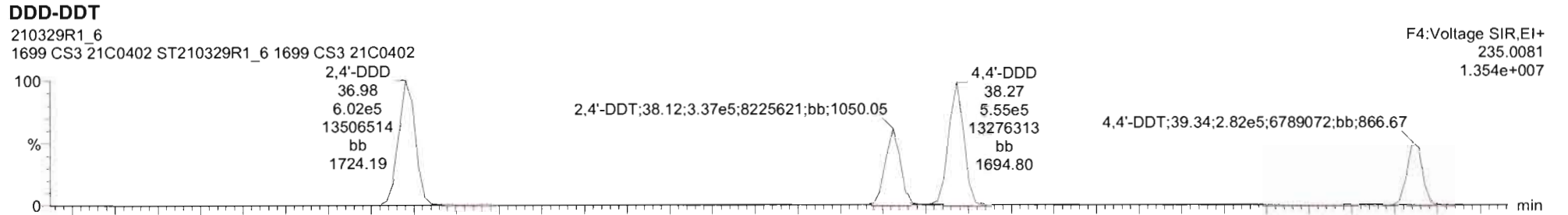


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Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_6, Date: 29-Mar-2021, Time: 21:33:31, ID: ST210329R1_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402



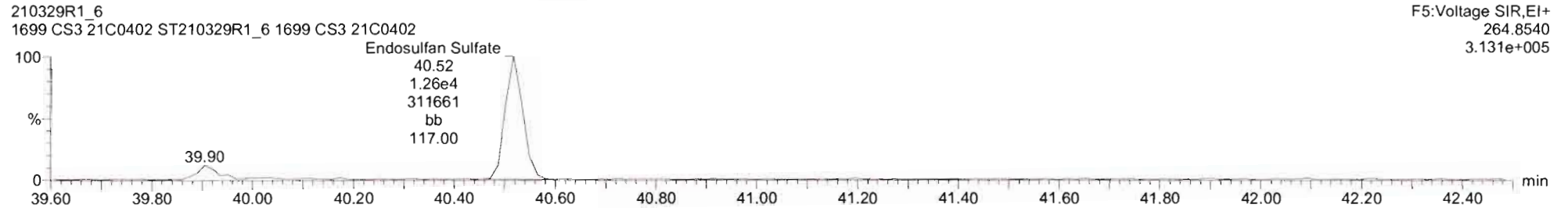
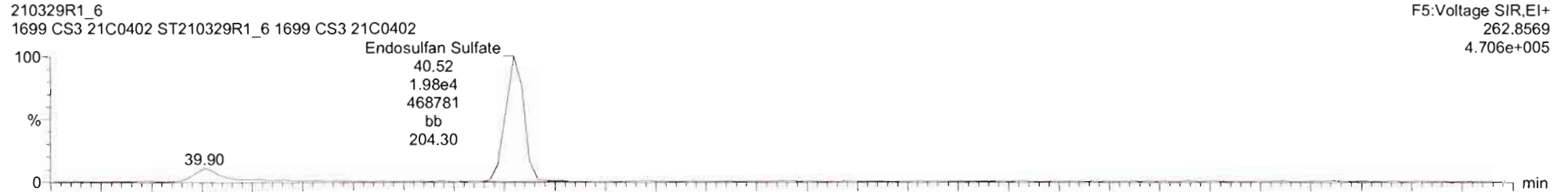
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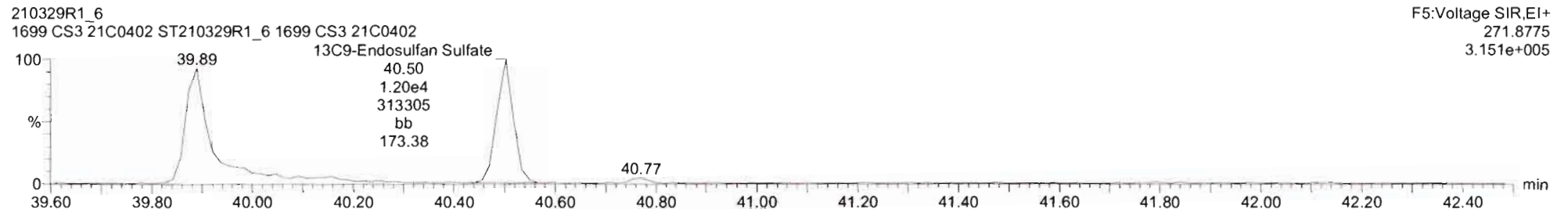
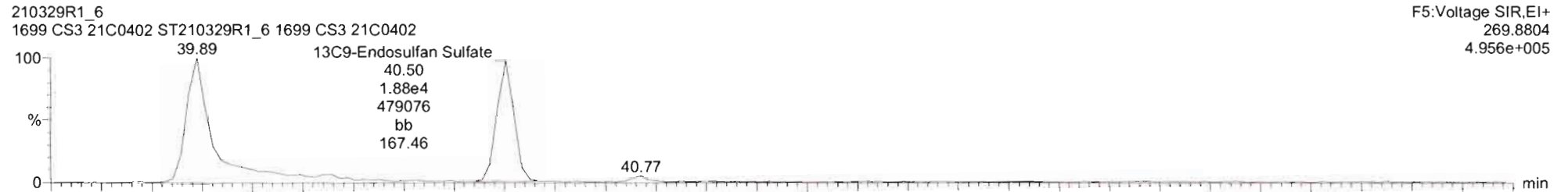
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Name: 210329R1_6, Date: 29-Mar-2021, Time: 21:33:31, ID: ST210329R1_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

Endosulfan Sulfate



13C9-Endosulfan Sulfate



Dataset: Untitled

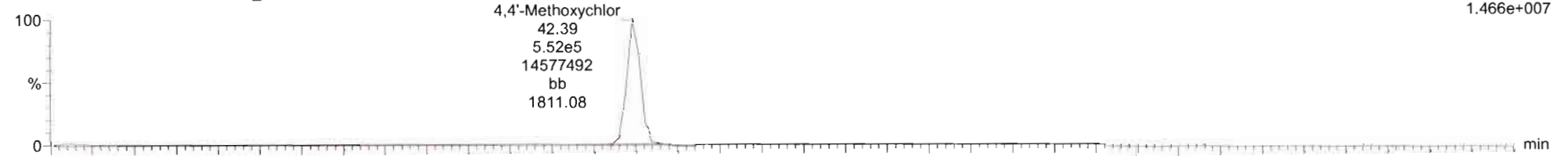
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Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_6, Date: 29-Mar-2021, Time: 21:33:31, ID: ST210329R1_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

4,4'-Methoxychlor

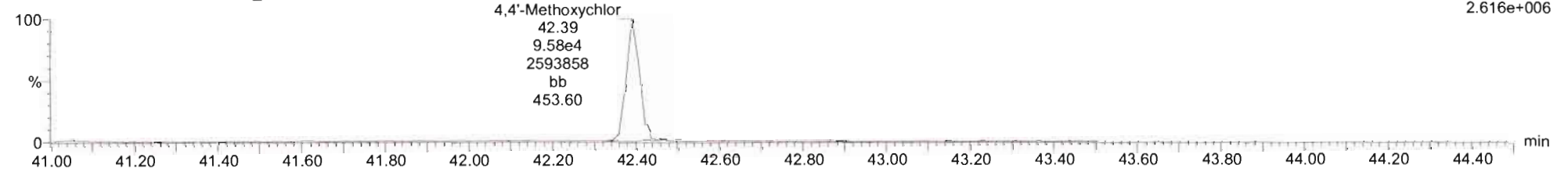
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F5:Voltage SIR,EI+
227.1072
1.466e+007



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

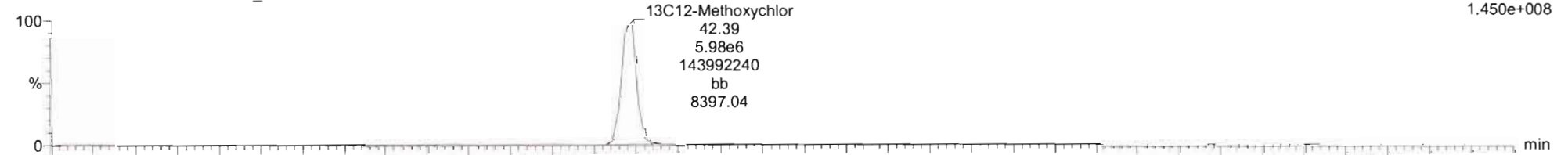
F5:Voltage SIR,EI+
228.1106
2.616e+006



13C12-Methoxychlor

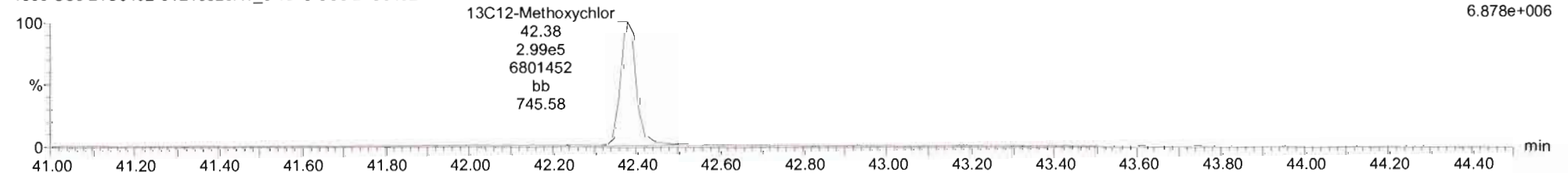
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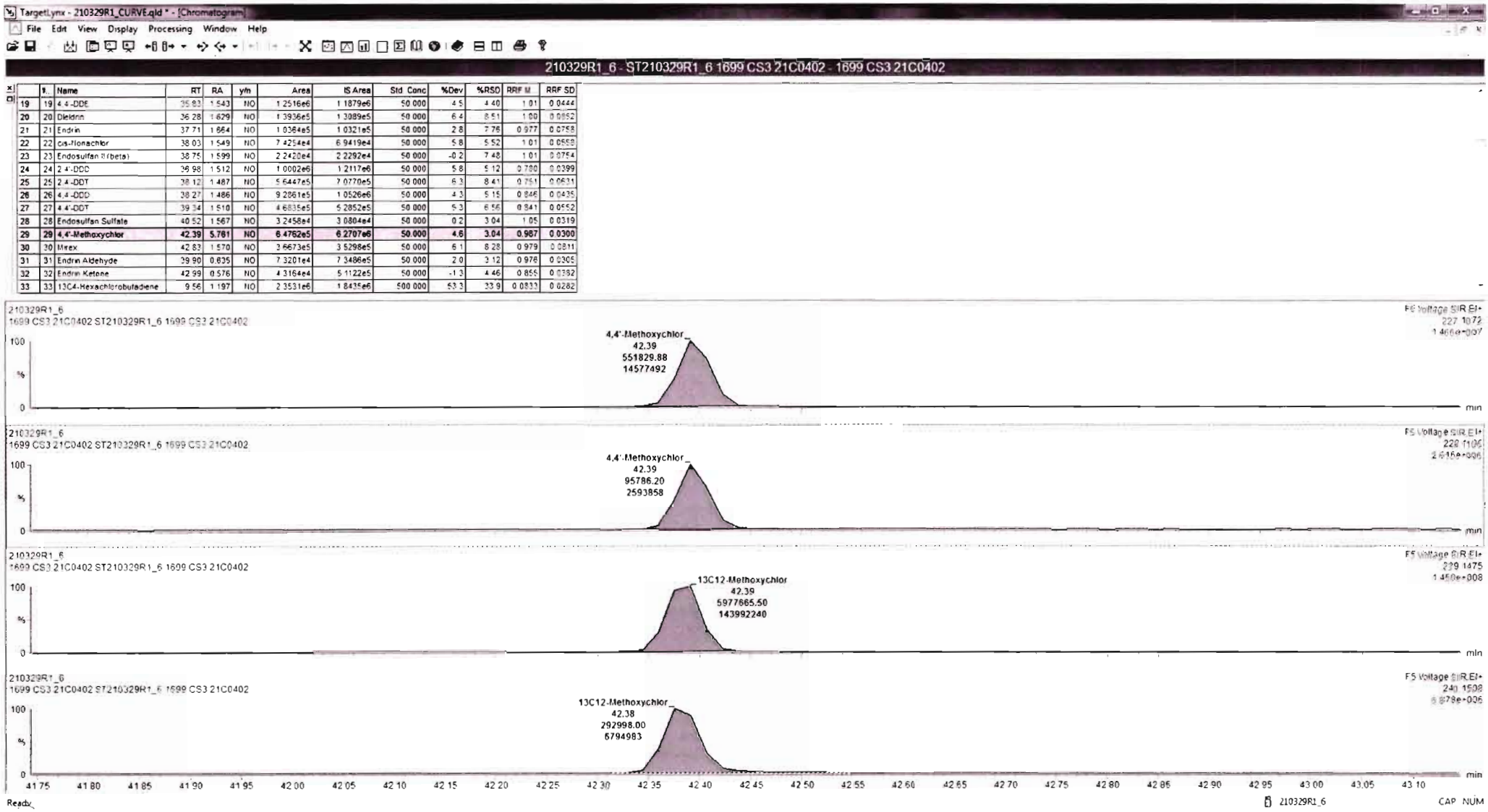
F5:Voltage SIR,EI+
239.1475
1.450e+008



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F5:Voltage SIR,EI+
240.1508
6.878e+006





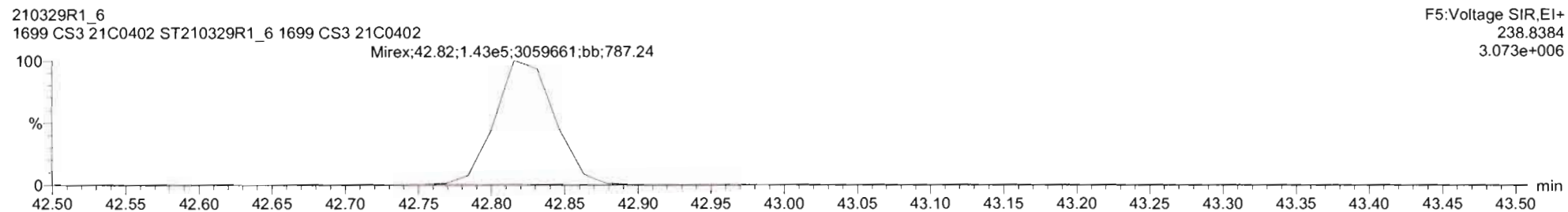
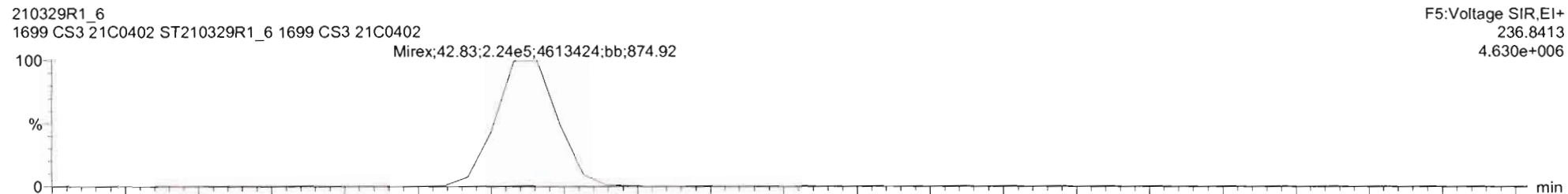
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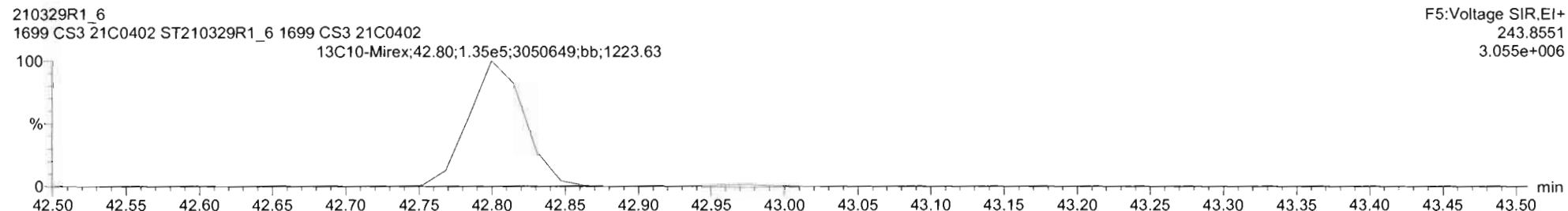
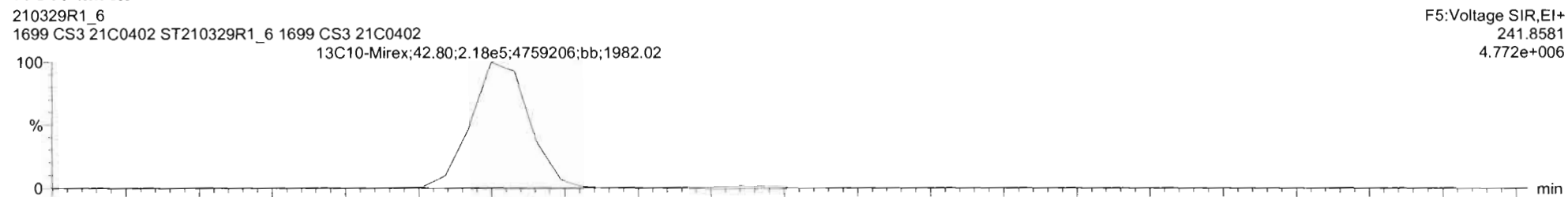
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Mirex



13C10-Mirex



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

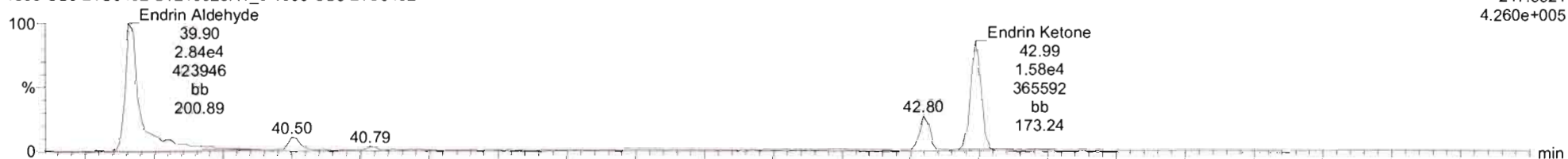
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Name: 210329R1_6, Date: 29-Mar-2021, Time: 21:33:31, ID: ST210329R1_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

EA-EK

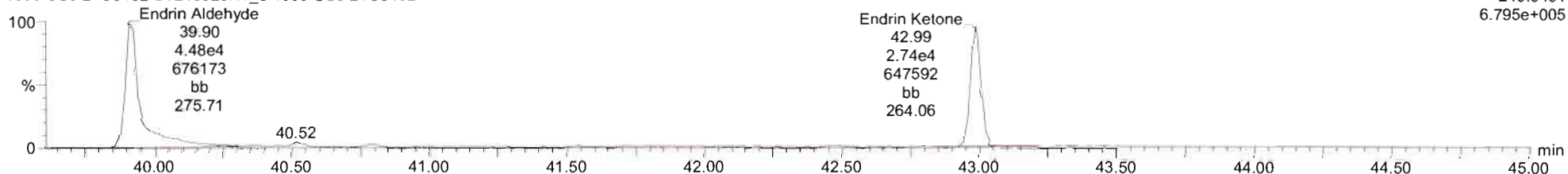
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F5:Voltage SIR,EI+
247.8521
4.260e+005



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

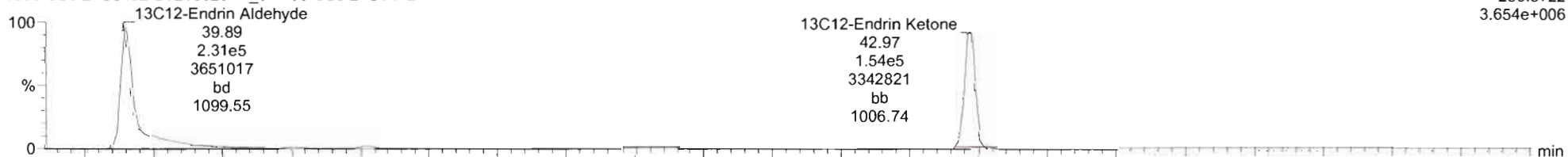
F5:Voltage SIR,EI+
249.8491
6.795e+005



EA-EK-isotopes

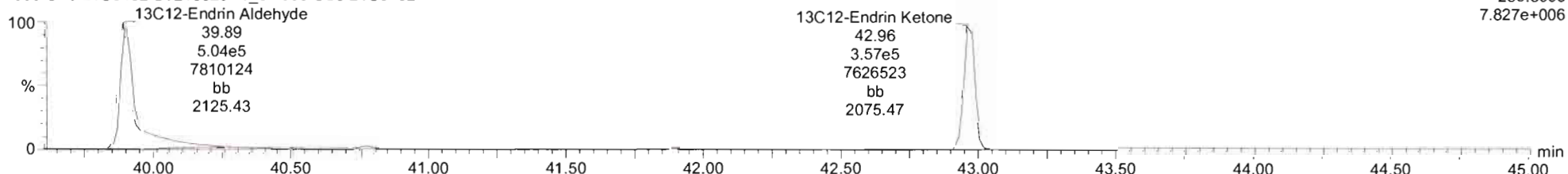
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F5:Voltage SIR,EI+
253.8722
3.654e+006



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F5:Voltage SIR,EI+
255.8693
7.827e+006



#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
19	4,4'-DDE	35.83	1.543	NO	1.2516e6	1.1879e6	50.000	4.5	4.40	1.01	0.0444
20	Dieldrin	36.28	1.629	NO	1.3956e5	1.3089e5	50.000	6.4	8.51	1.00	0.0552
21	Endrin	37.71	1.664	NO	1.0364e5	1.0321e5	50.000	2.8	7.76	0.977	0.0758
22	cis-Nonachlor	38.03	1.549	NO	7.4254e4	6.9419e4	50.000	5.8	5.52	1.01	0.0558
23	Endosulfan II (beta)	38.75	1.599	NO	2.2420e4	2.2292e4	50.000	-0.2	7.48	1.01	0.0754
24	2,4'-DDD	36.98	1.512	NO	1.0002e5	1.2117e6	50.000	5.8	5.12	0.780	0.0399
25	2,4'-DDT	38.12	1.487	NO	5.6447e5	7.0770e5	50.000	6.3	8.41	0.751	0.0631
26	4,4'-DDD	38.27	1.486	NO	9.2861e5	1.0526e6	50.000	4.2	5.15	0.846	0.0425
27	4,4'-DDT	39.34	1.510	NO	4.6835e5	5.2852e5	50.000	5.3	6.56	0.841	0.0552
28	Endosulfan Sulfate	40.52	1.567	NO	3.2458e4	3.0804e4	50.000	0.2	3.04	1.05	0.0319
29	4,4'-Methoxychlor	42.39	5.761	NO	6.4762e5	6.2707e6	50.000	4.6	3.04	0.987	0.0300
30	Mirex	42.83	1.570	NO	3.6673e5	3.5298e5	50.000	6.1	8.28	0.979	0.0511
31	Endrin Aldehyde	39.90	0.623	NO	5.1919e4	5.3418e5	50.000	-0.0	2.97	0.972	0.0289
32	Endrin Ketone	42.99	0.576	NO	4.3164e4	5.1122e5	50.000	-1.3	4.46	0.855	0.0382
33	13C4-Hexachlorobutadiene	9.56	1.197	NO	2.3531e6	1.8435e6	500.000	53.3	33.9	0.0833	0.0282



Regd. 210329R1_6 CAP NUM

Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

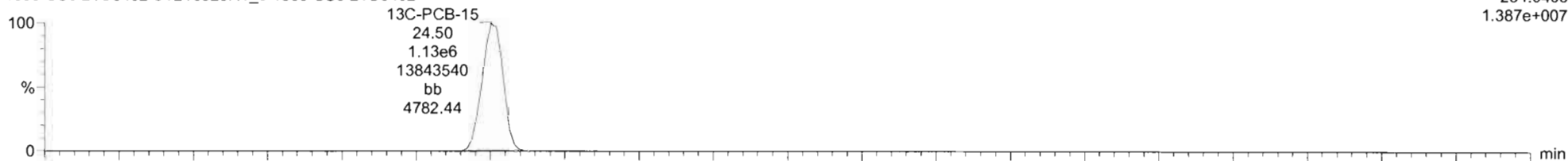
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_6, Date: 29-Mar-2021, Time: 21:33:31, ID: ST210329R1_6 1699 CS3 21C0402, Description: 1699 CS3 21C0402

13C-PCB-15

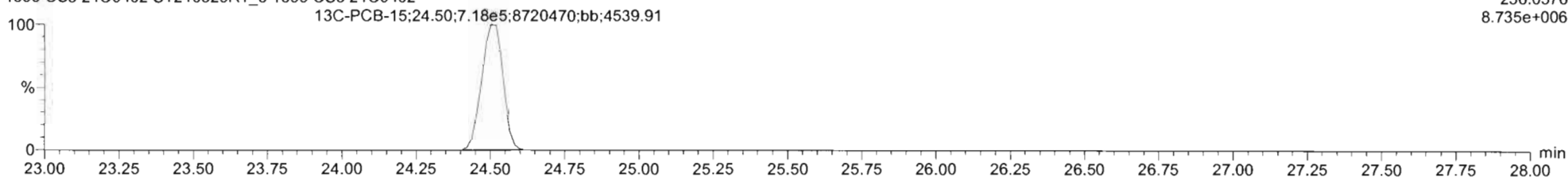
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F2:Voltage SIR,EI+
234.0406
1.387e+007



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

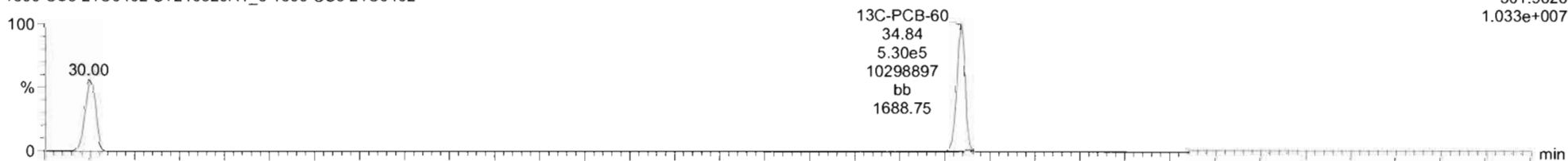
F2:Voltage SIR,EI+
236.0376
8.735e+006



13C-PCB-60

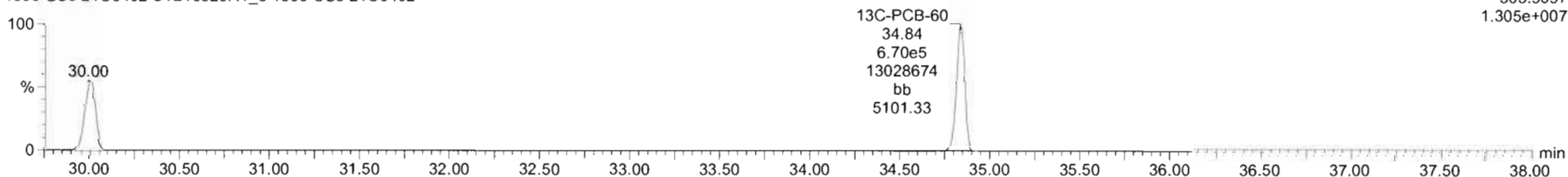
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F3:Voltage SIR,EI+
301.9626
1.033e+007



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F3:Voltage SIR,EI+
303.9597
1.305e+007



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

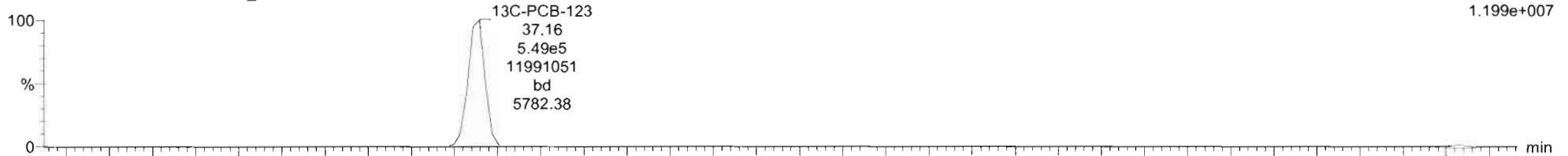
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

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13C-PCB-123

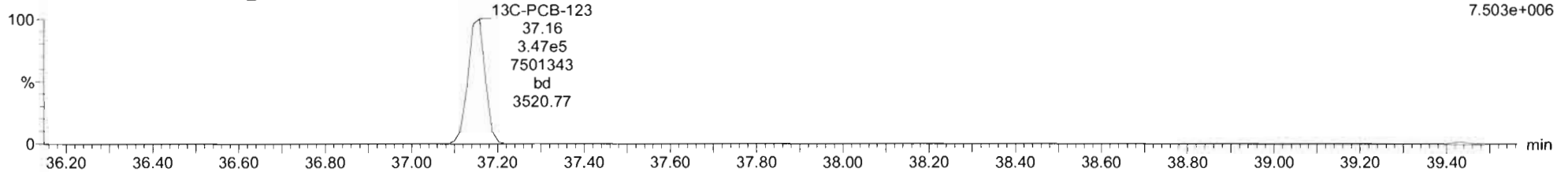
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F4:Voltage SIR,EI+
337.9210
1.199e+007



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

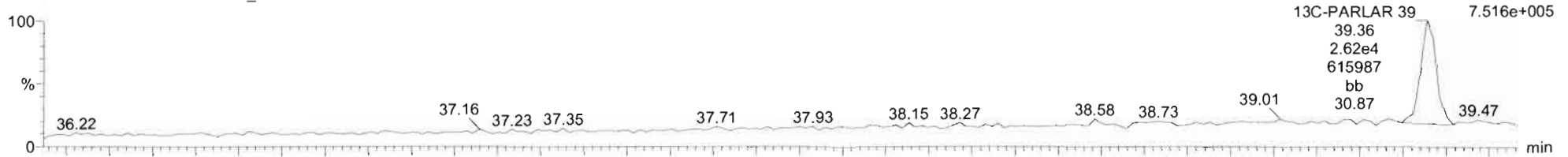
F4:Voltage SIR,EI+
339.9180
7.503e+006



13C-PARLAR 39

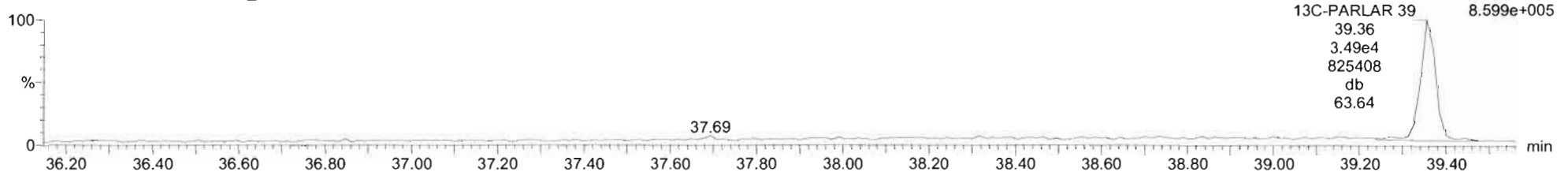
210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F4:Voltage SIR,EI+
251.9648
7.516e+005



210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F4:Voltage SIR,EI+
253.9619
8.599e+005



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

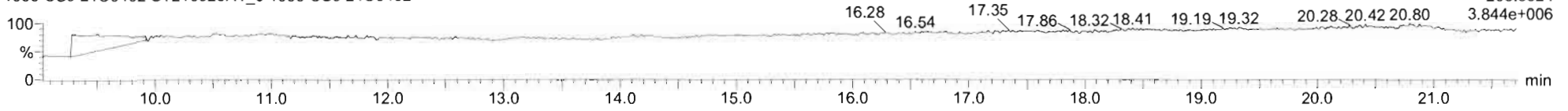
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PFK1

210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

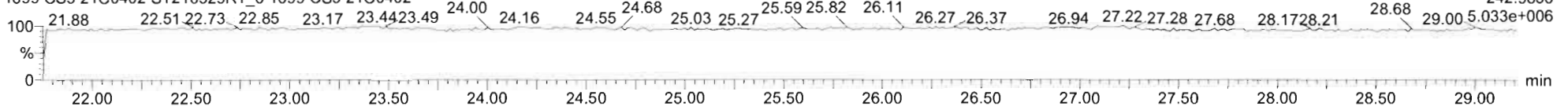
F1:Voltage SIR,EI+
268.9824



PFK2

210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

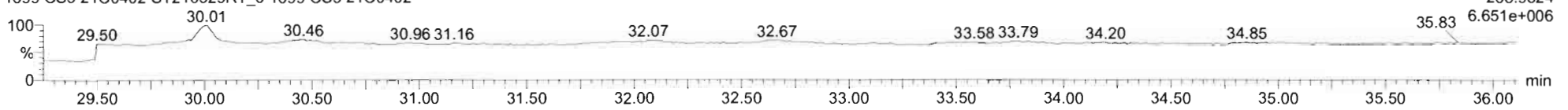
F2:Voltage SIR,EI+
242.9856



PFK3

210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

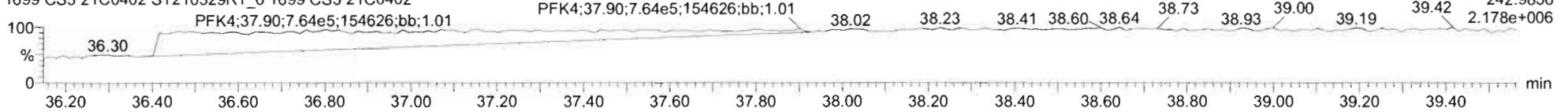
F3:Voltage SIR,EI+
268.9824



PFK4

210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

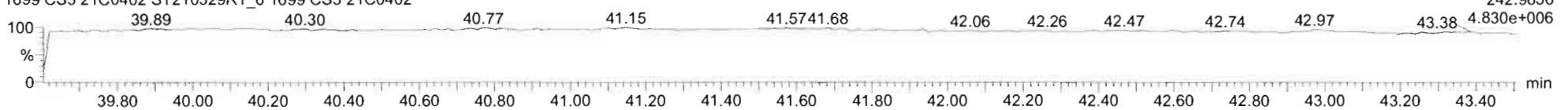
F4:Voltage SIR,EI+
242.9856



PFK5

210329R1_6
1699 CS3 21C0402 ST210329R1_6 1699 CS3 21C0402

F5:Voltage SIR,EI+
242.9856



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

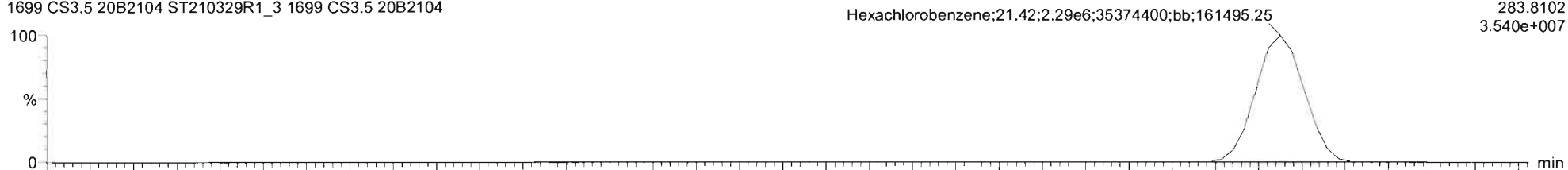
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Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Hexachlorobenzene

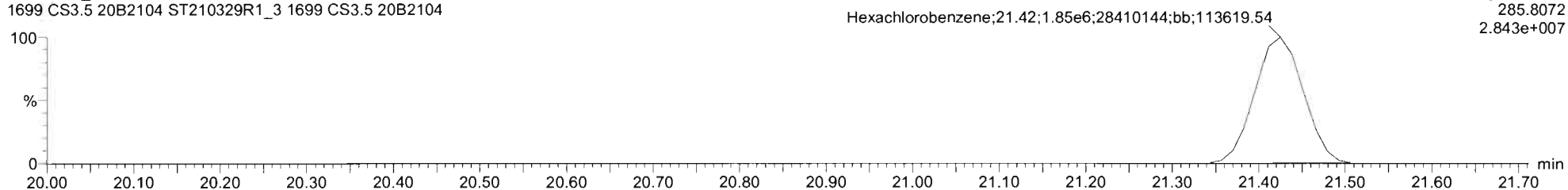
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F1:Voltage SIR,EI+
283.8102
3.540e+007



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

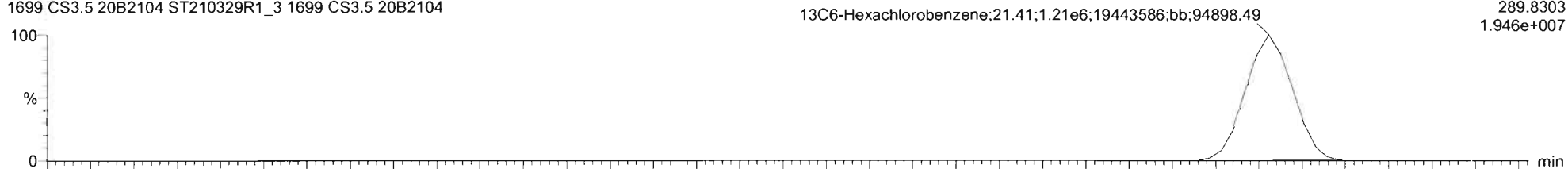
F1:Voltage SIR,EI+
285.8072
2.843e+007



13C6-Hexachlorobenzene

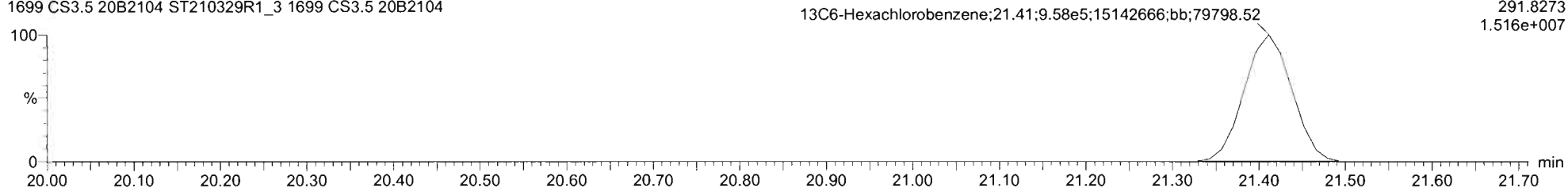
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F1:Voltage SIR,EI+
289.8303
1.946e+007



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F1:Voltage SIR,EI+
291.8273
1.516e+007



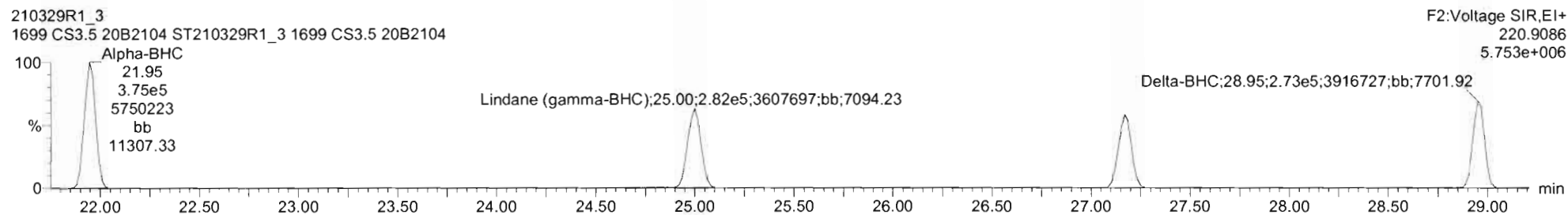
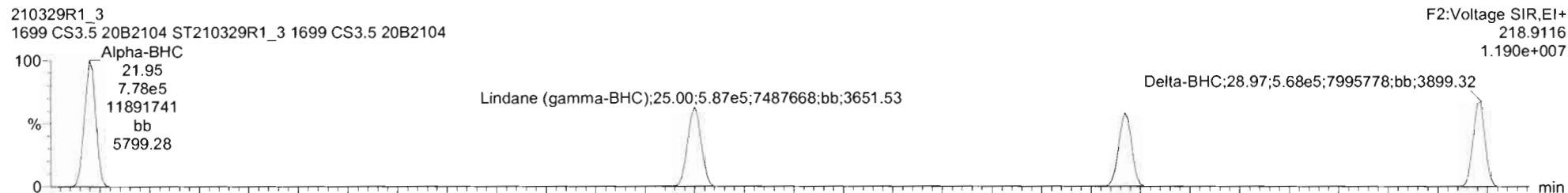
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Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

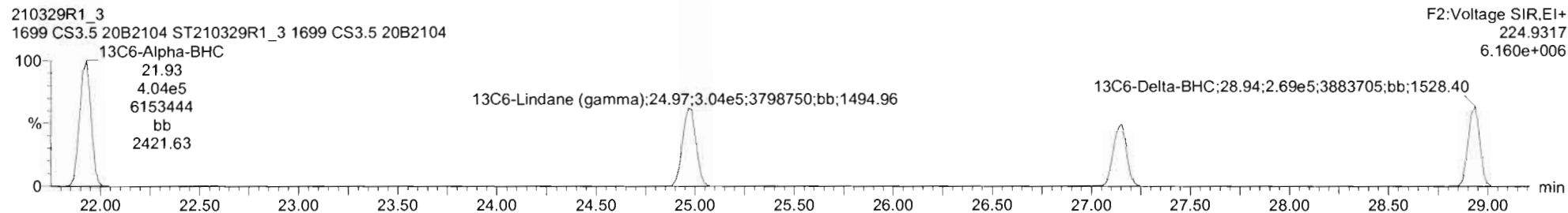
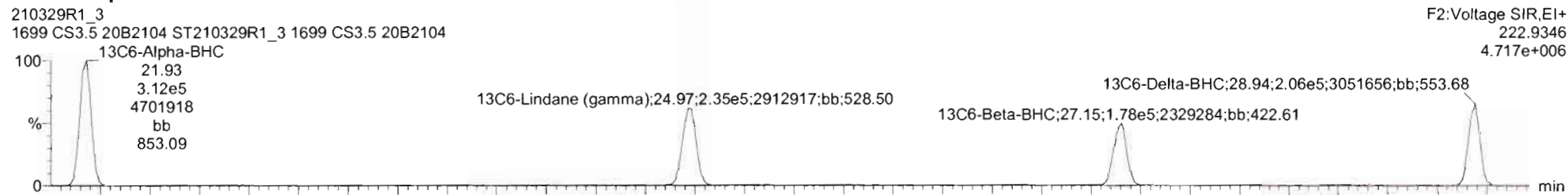
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

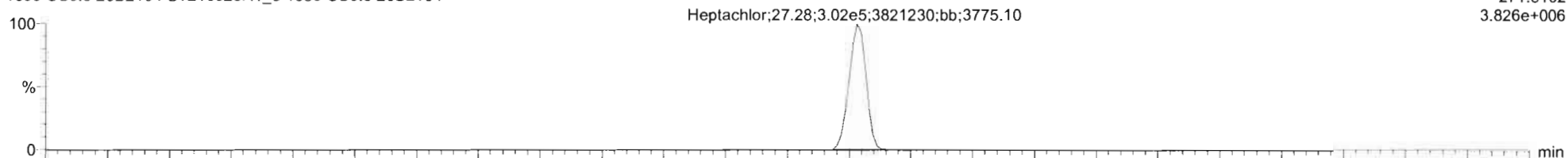
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Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Heptachlor

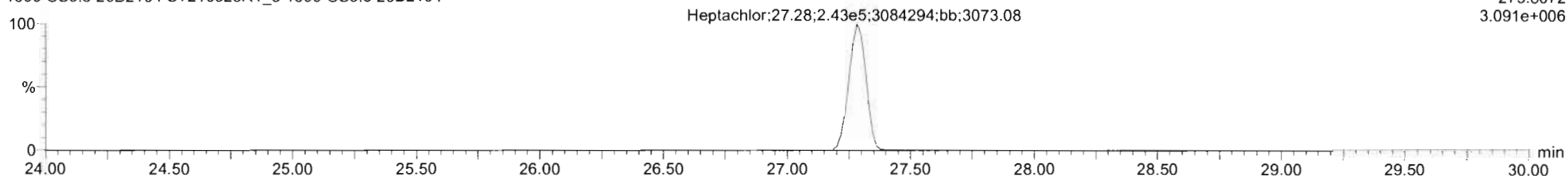
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F2:Voltage SIR,EI+
271.8102
3.826e+006



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

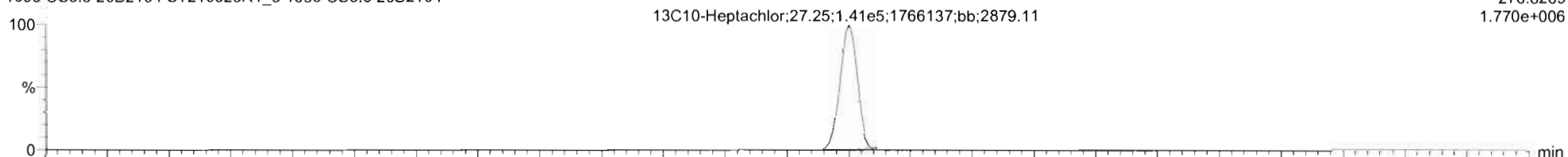
F2:Voltage SIR,EI+
273.8072
3.091e+006



13C10-Heptachlor

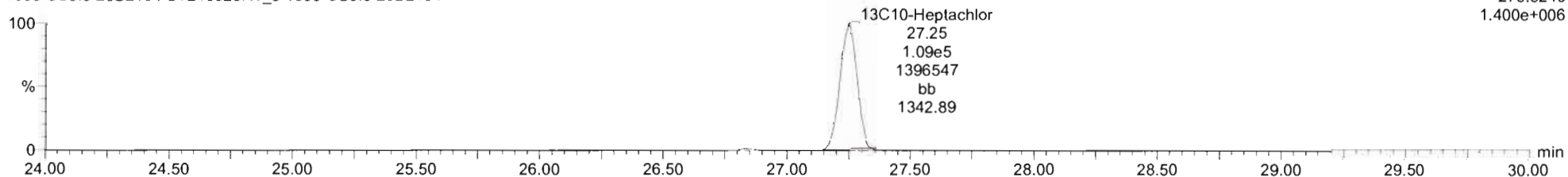
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F2:Voltage SIR,EI+
276.8269
1.770e+006



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F2:Voltage SIR,EI+
278.8240
1.400e+006



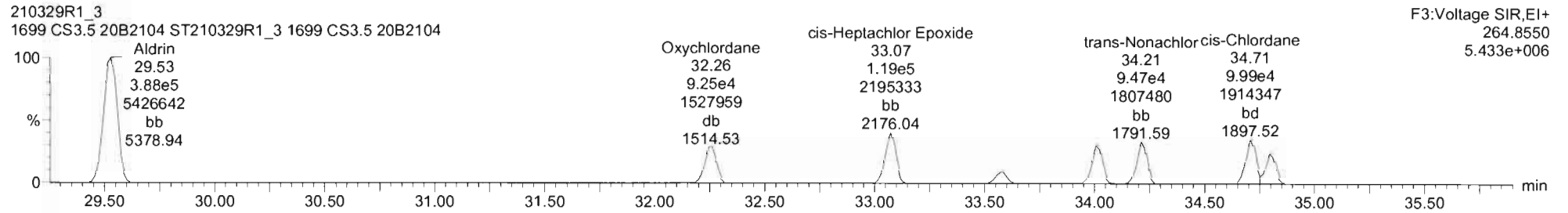
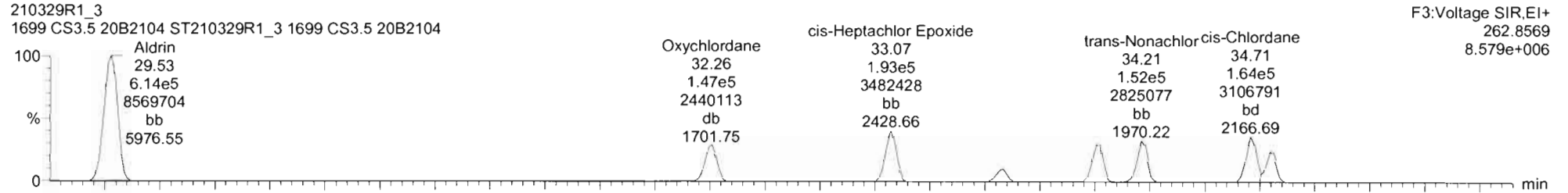
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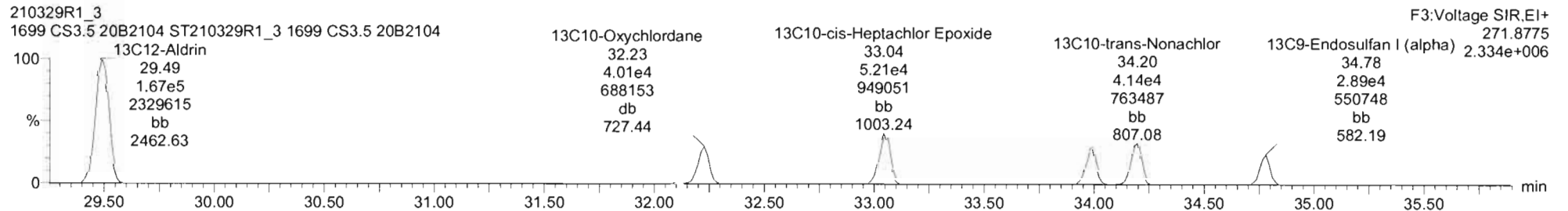
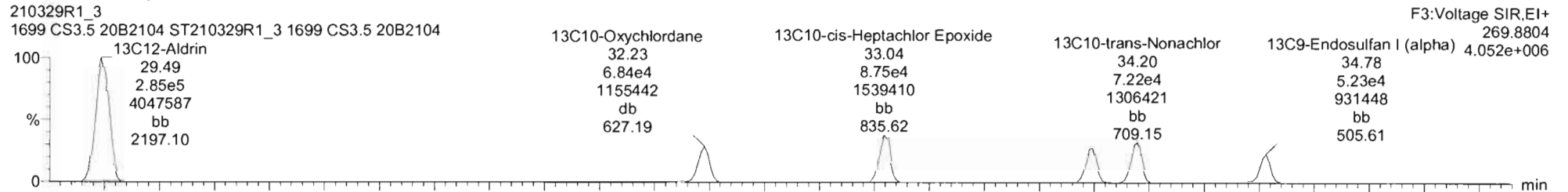
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Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Aldrin-EI



Aldrin-EI-isotopes



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

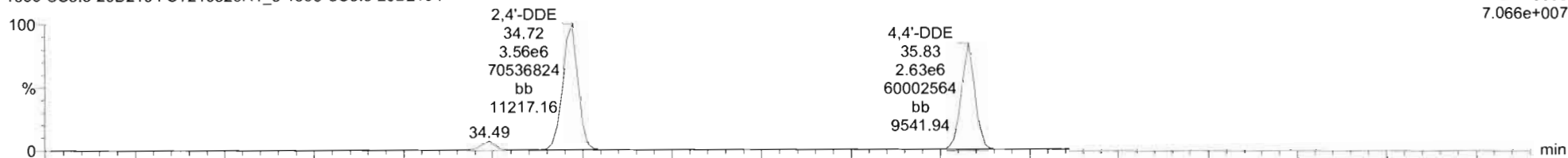
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

DDMU-DDE

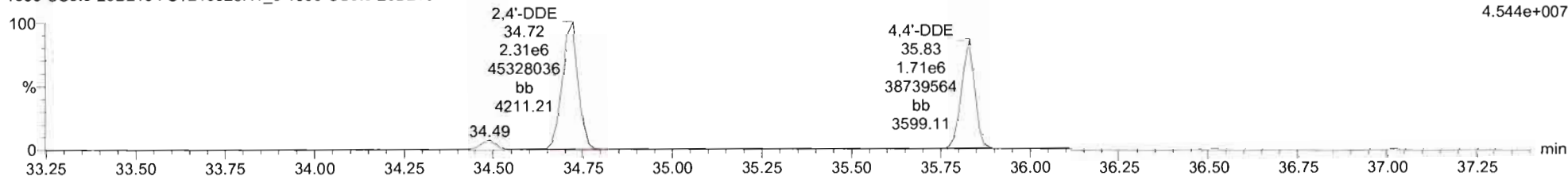
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F3:Voltage SIR,EI+
246.0003
7.066e+007



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

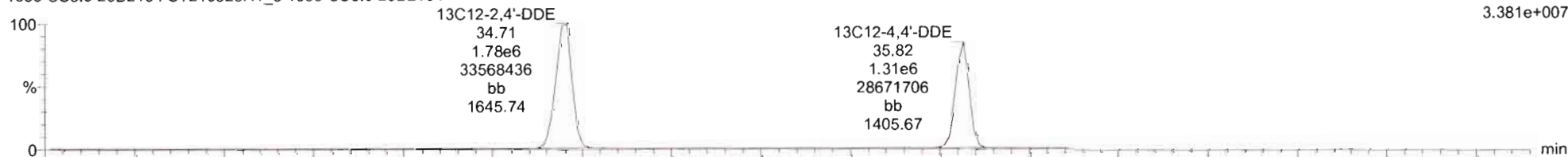
F3:Voltage SIR,EI+
247.9974
4.544e+007



DDE-isotopes

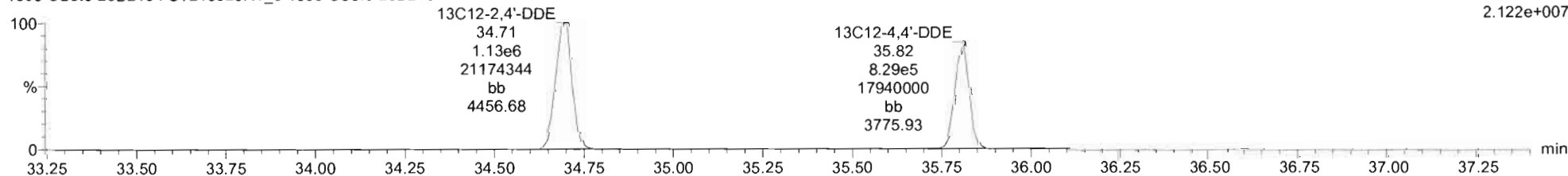
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F3:Voltage SIR,EI+
258.0406
3.381e+007



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F3:Voltage SIR,EI+
260.0376
2.122e+007



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

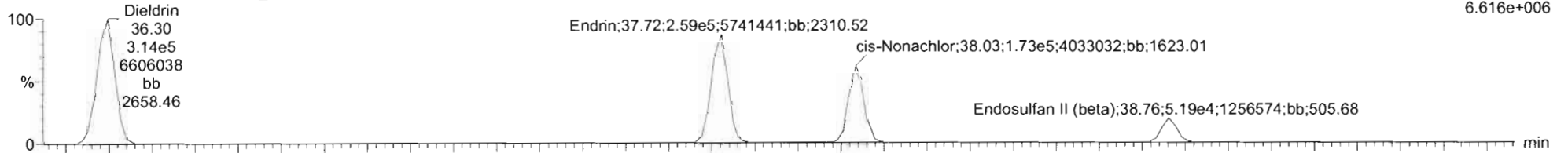
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Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Dieldrin-EII

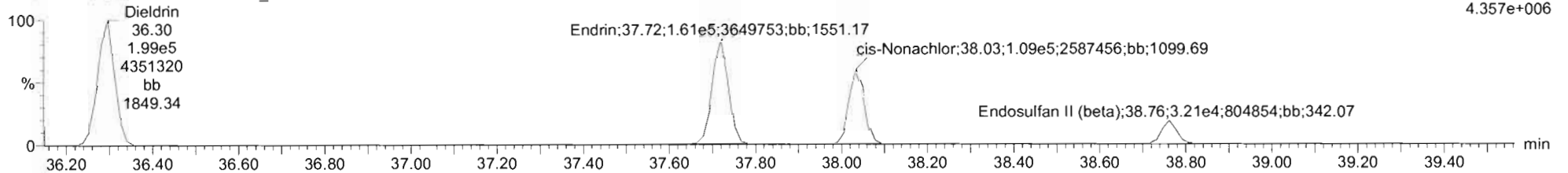
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F4:Voltage SIR,EI+
262.8569
6.616e+006



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

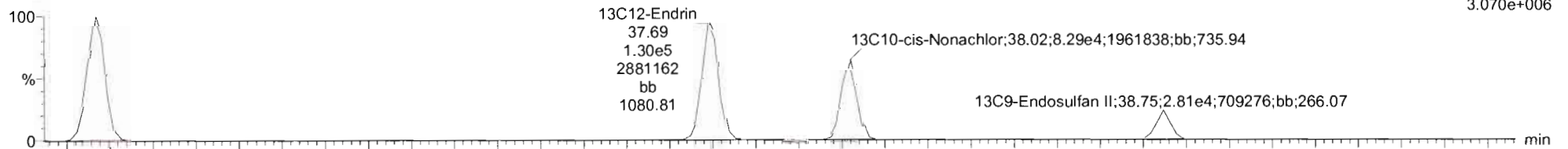
F4:Voltage SIR,EI+
264.8550
4.357e+006



Dieldrin-EII-isotopes

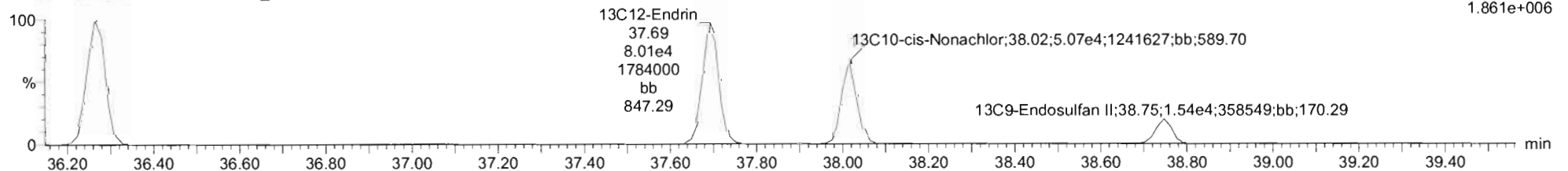
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F4:Voltage SIR,EI+
269.8804
3.070e+006



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F4:Voltage SIR,EI+
271.8775
1.861e+006

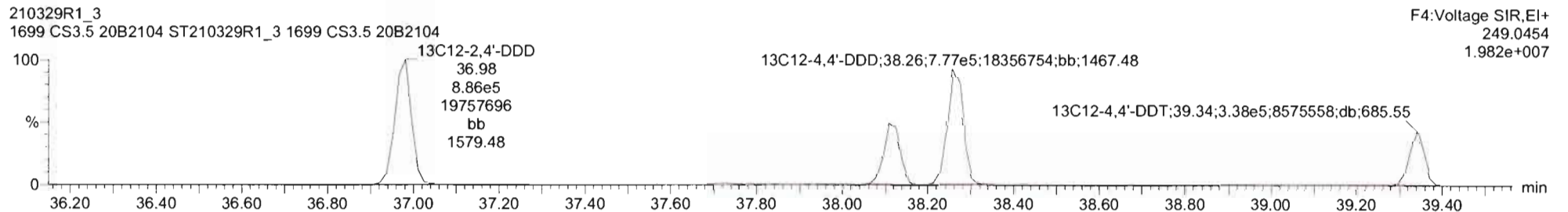
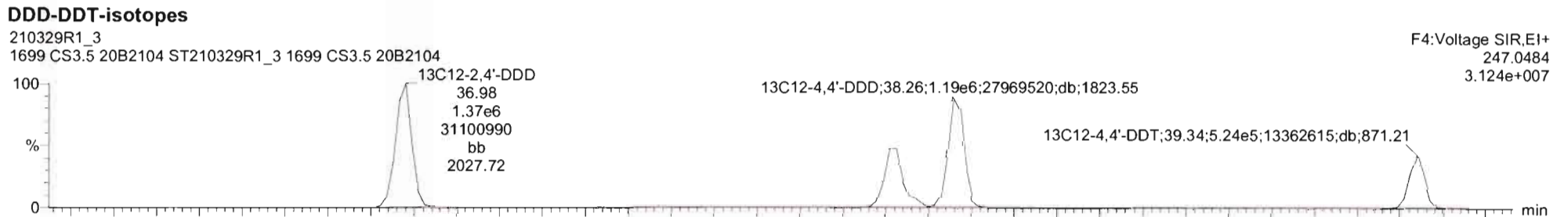
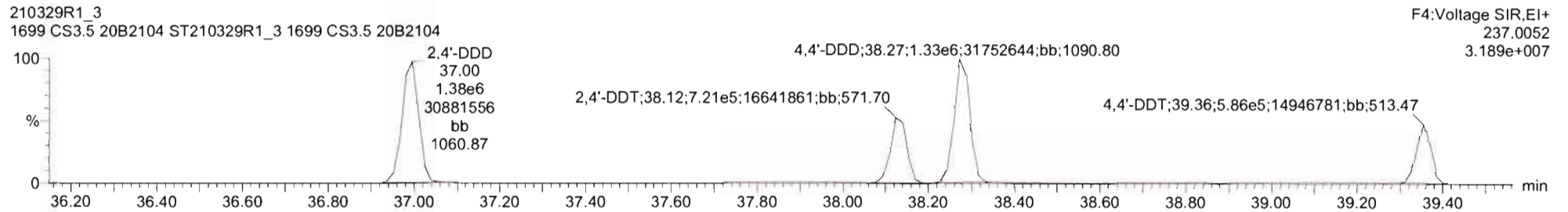
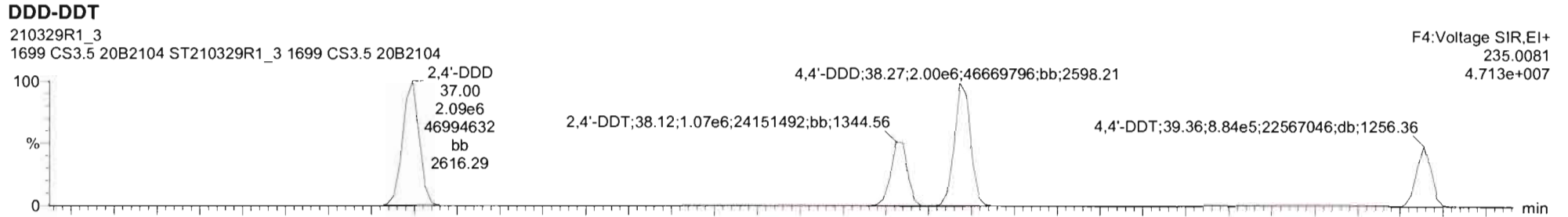


Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

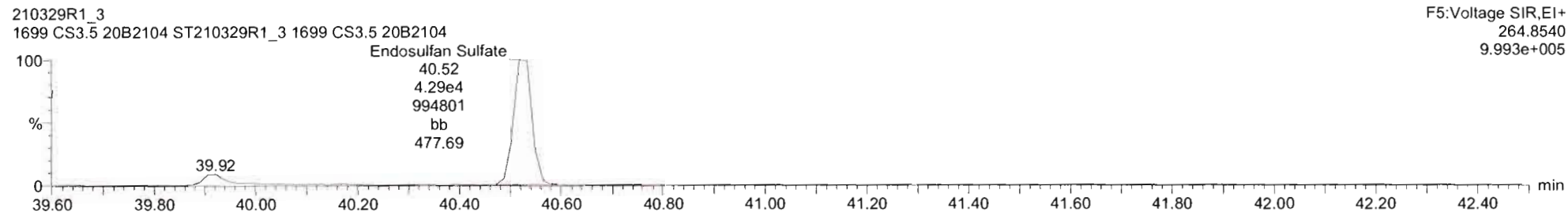
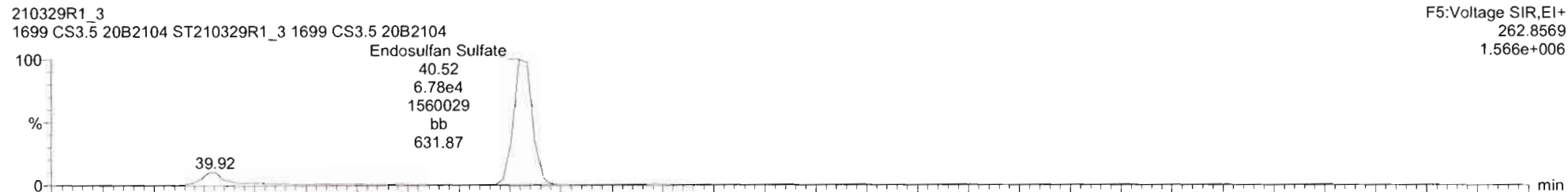


Dataset: Untitled

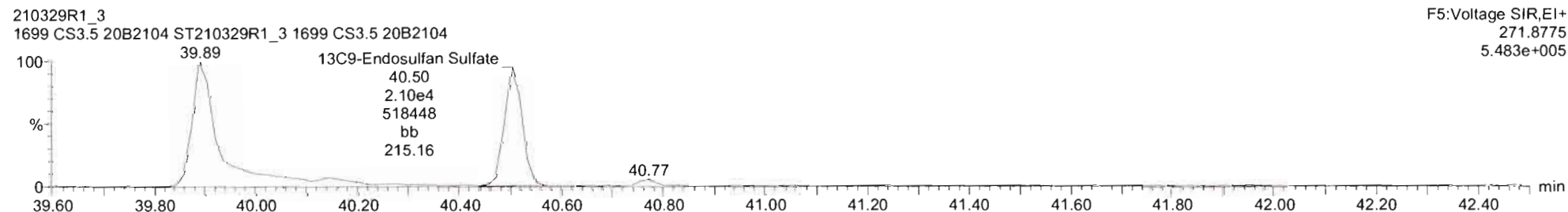
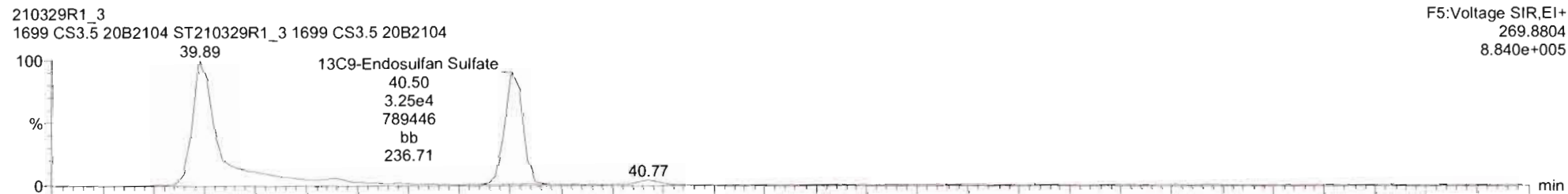
Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Endosulfan Sulfate



13C9-Endosulfan Sulfate



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

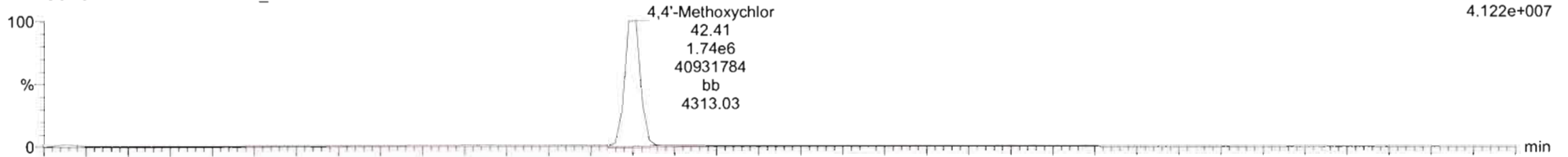
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

4,4'-Methoxychlor

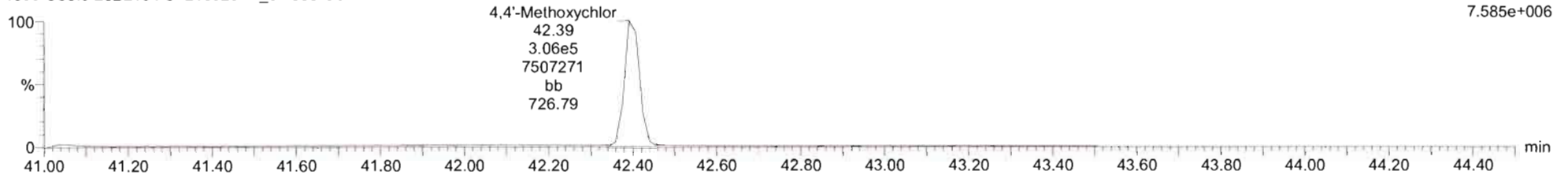
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F5:Voltage SIR,EI+
227.1072
4.122e+007



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

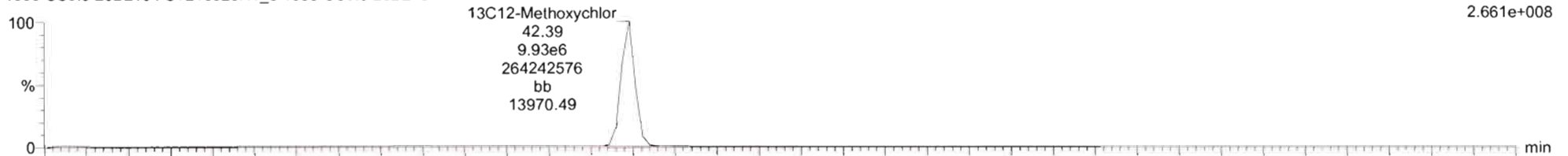
F5:Voltage SIR,EI+
228.1106
7.585e+006



13C12-Methoxychlor

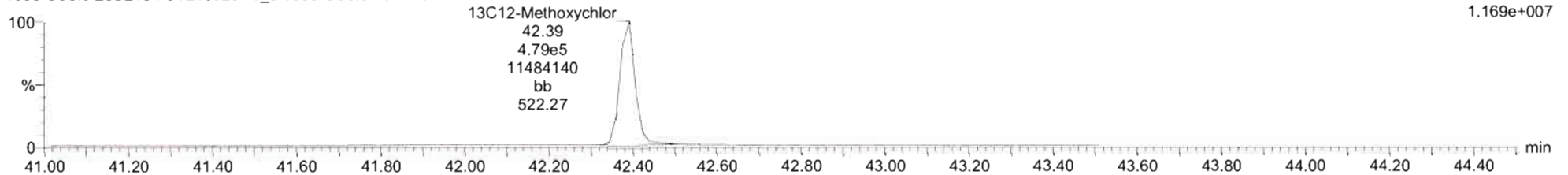
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F5:Voltage SIR,EI+
239.1475
2.661e+008



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F5:Voltage SIR,EI+
240.1508
1.169e+007



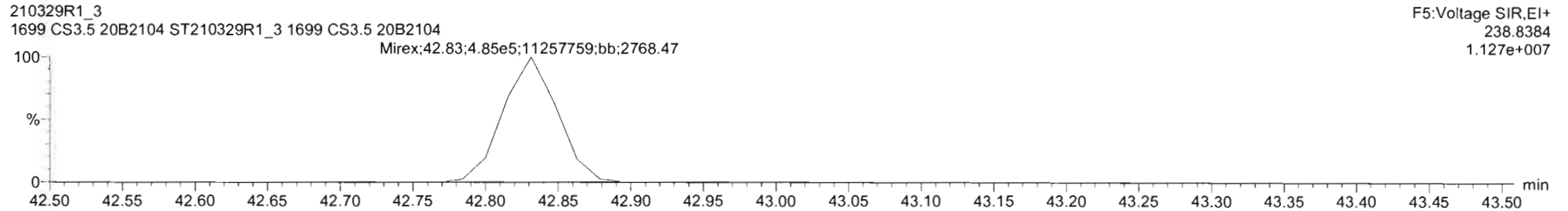
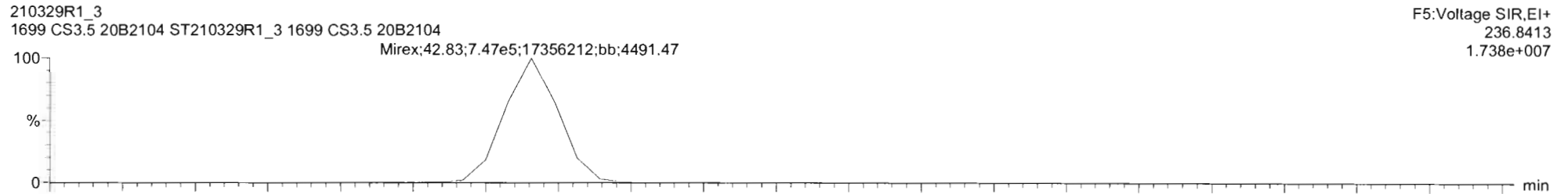
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Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

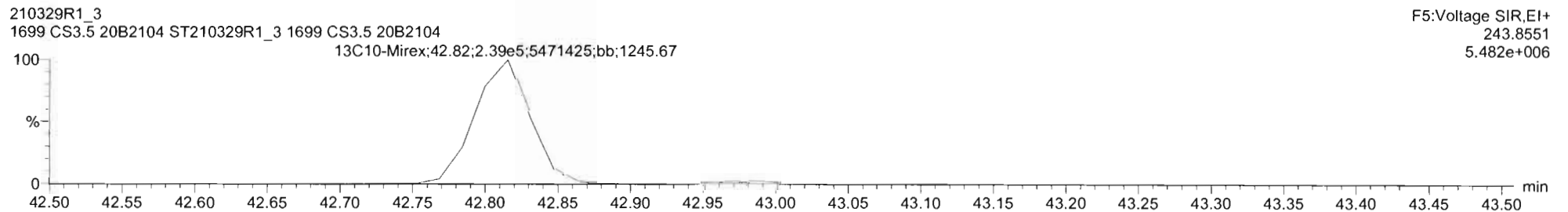
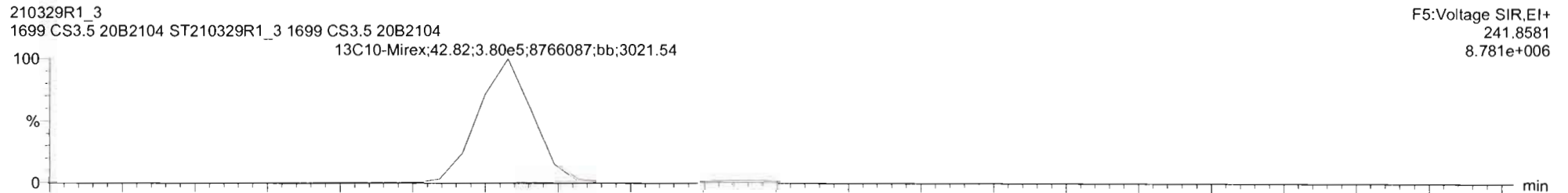
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

Mirex



13C10-Mirex



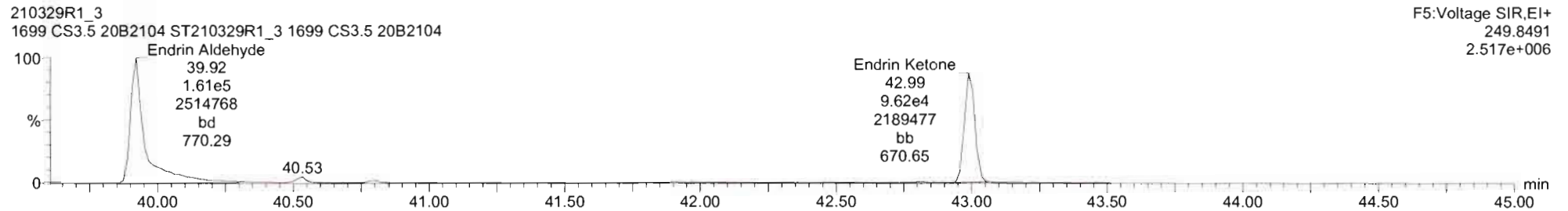
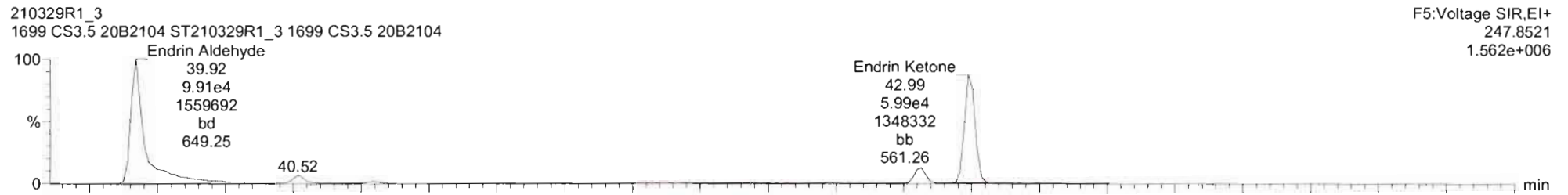
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Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

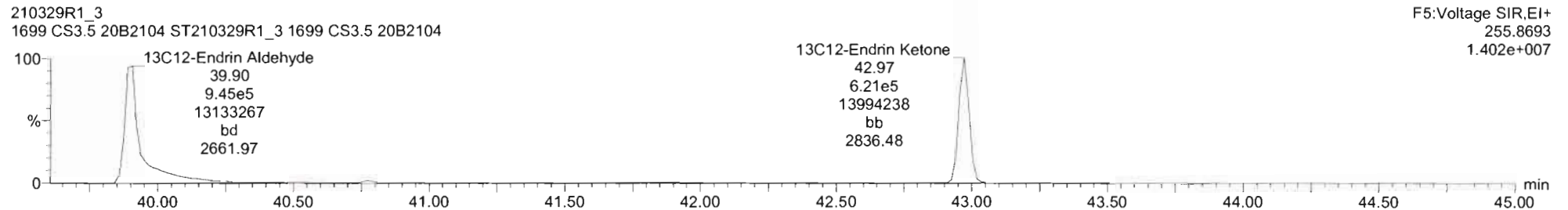
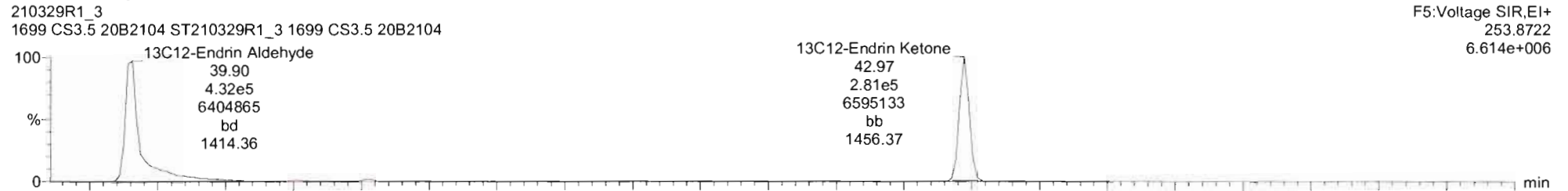
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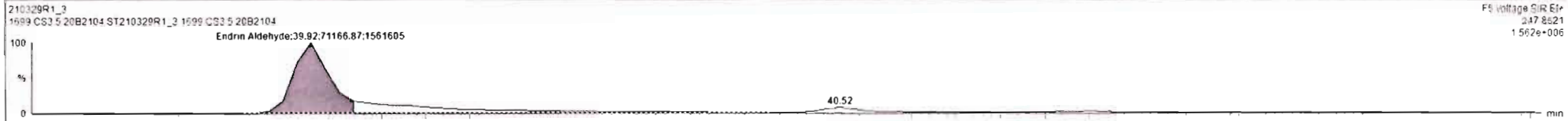
EA-EK



EA-EK-isotopes



#	Name	RT	RA	y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M...	RRF SD
16	Endosulfan I (alpha)	24.79	1.633	NO	1.8149e5	8.1213e4	100.000	1.8	19.2	1.10	0.211
17	4,4'-DDMU	24.49	2.981	NO	2.4546e6	2.9179e6	100.000	0.5	3.83	0.419	0.0160
18	2,4'-DDE	34.72	1.541	NO	5.8764e6	2.9179e6	100.000	1.1	4.68	0.996	0.0466
19	4,4'-DDE	35.83	1.537	NO	4.3493e6	2.1400e6	100.000	0.8	4.40	1.01	0.0444
20	Dieldrin	36.20	1.577	NO	5.1342e5	2.3922e5	100.000	7.2	8.51	1.00	0.0252
21	Endrin	37.72	1.609	NO	4.1959e5	2.1062e5	100.000	2.0	7.76	0.977	0.0758
22	cis-Nonachlor	38.03	1.580	NO	2.6243e5	1.3365e5	100.000	4.5	5.52	1.01	0.0518
23	Endosulfan II (beta)	38.76	1.614	NO	8.3998e4	4.3488e4	100.000	-4.2	7.48	1.01	0.0754
24	2,4'-DDD	37.00	1.506	NO	3.4703e6	2.2513e6	100.000	-1.2	5.12	0.780	0.0399
25	2,4'-DDT	38.12	1.488	NO	1.7916e6	1.1865e6	100.000	0.6	8.41	0.751	0.0631
26	4,4'-DDD	38.27	1.499	NO	3.3328e6	1.9682e6	100.000	0.1	5.15	0.846	0.0435
27	4,4'-DDT	39.36	1.509	NO	1.4692e6	8.6231e5	100.000	1.3	6.66	0.841	0.0552
28	Endosulfan Sulfate	40.52	1.579	NO	1.1059e5	5.3488e4	100.000	-1.6	3.04	1.05	0.0319
29	4,4'-Methoxychlor	42.41	1.691	NO	2.0471e6	1.0407e7	100.000	-0.3	3.03	0.987	0.0299
30	Mirex	42.83	1.540	NO	1.2712e6	6.1901e5	100.000	1.8	8.28	0.979	0.0811



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

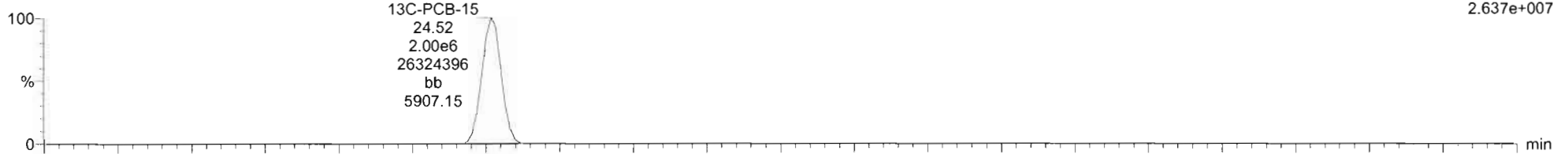
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

13C-PCB-15

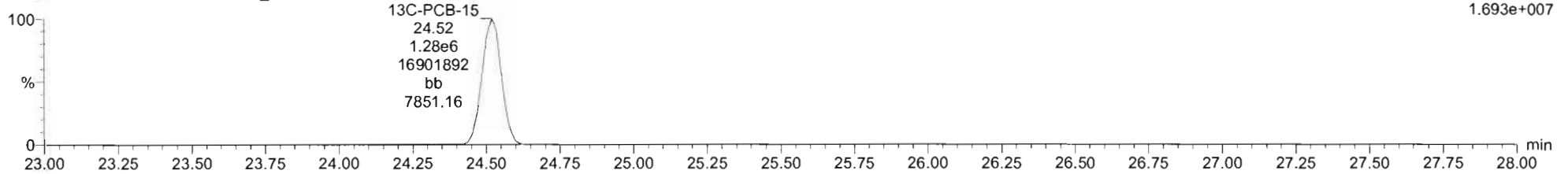
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F2:Voltage SIR,EI+
234.0406
2.637e+007



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

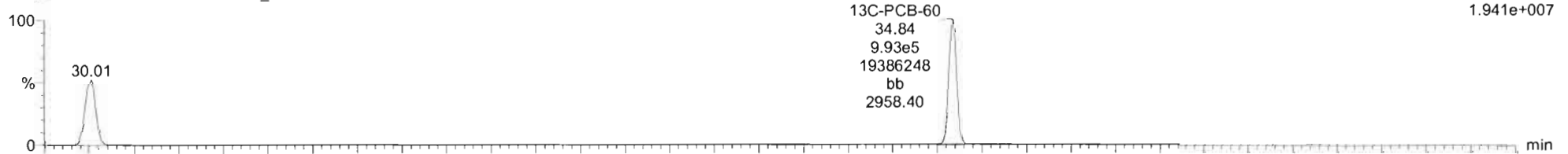
F2:Voltage SIR,EI+
236.0376
1.693e+007



13C-PCB-60

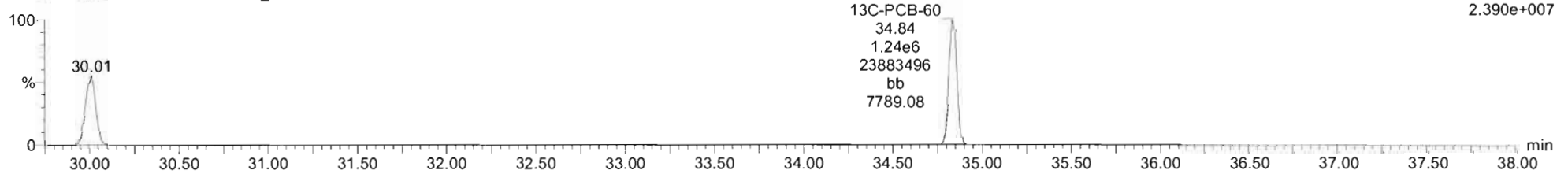
210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F3:Voltage SIR,EI+
301.9626
1.941e+007



210329R1_3
1699 CS3.5 20B2104 ST210329R1_3 1699 CS3.5 20B2104

F3:Voltage SIR,EI+
303.9597
2.390e+007



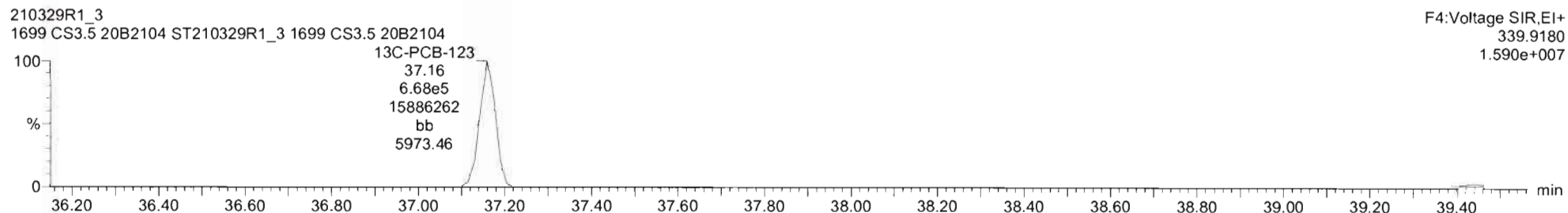
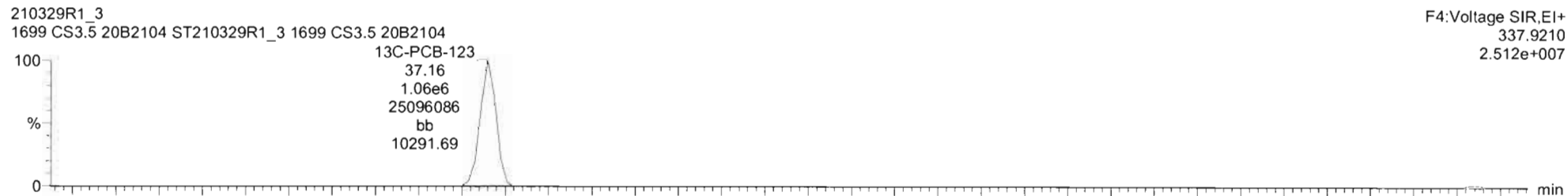
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Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

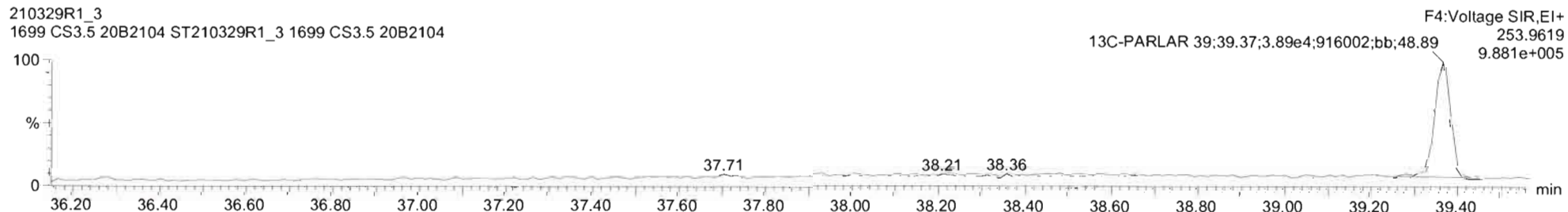
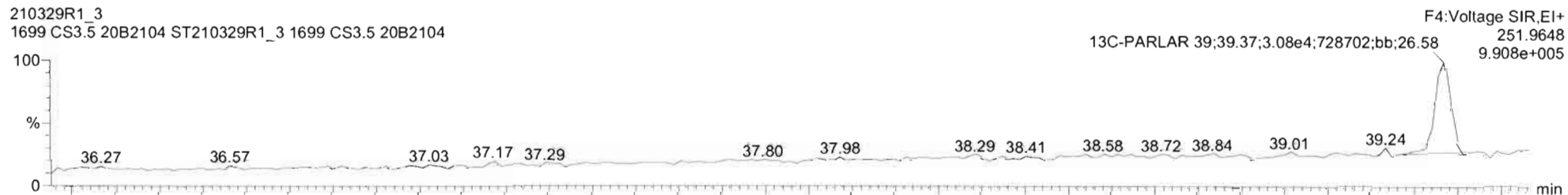
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

13C-PCB-123



13C-PARLAR 39

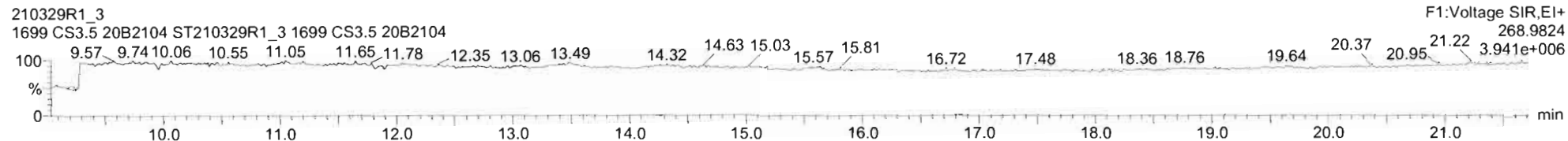


Dataset: Untitled

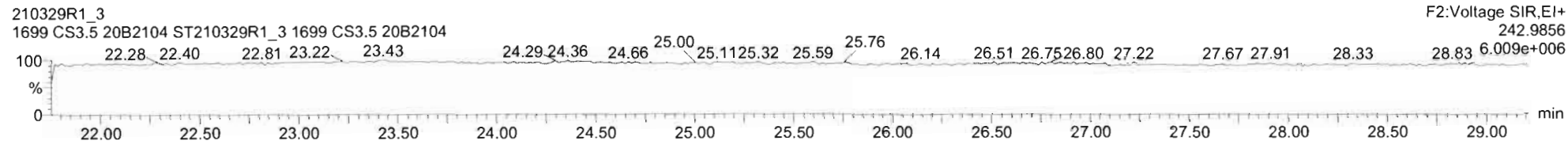
Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_3, Date: 29-Mar-2021, Time: 19:09:57, ID: ST210329R1_3 1699 CS3.5 20B2104, Description: 1699 CS3.5 20B2104

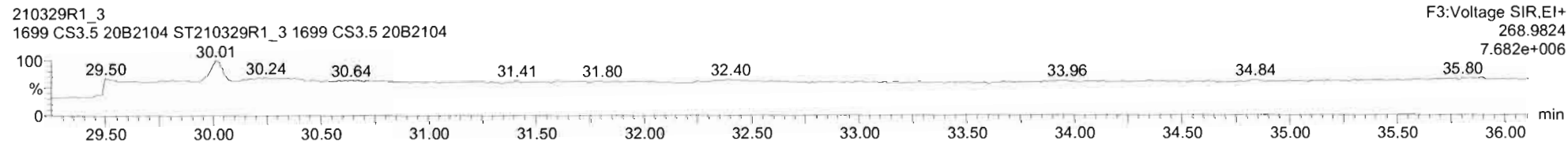
PFK1



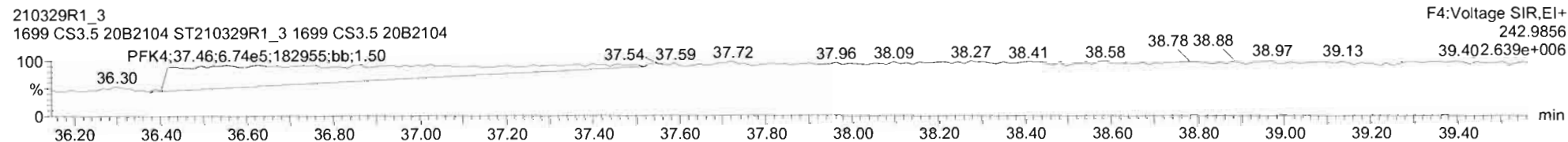
PFK2



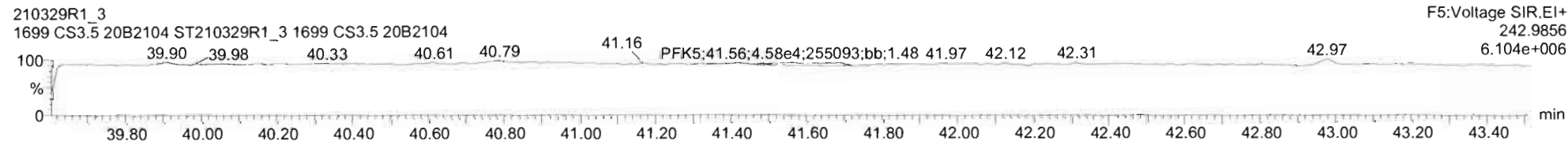
PFK3



PFK4



PFK5



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

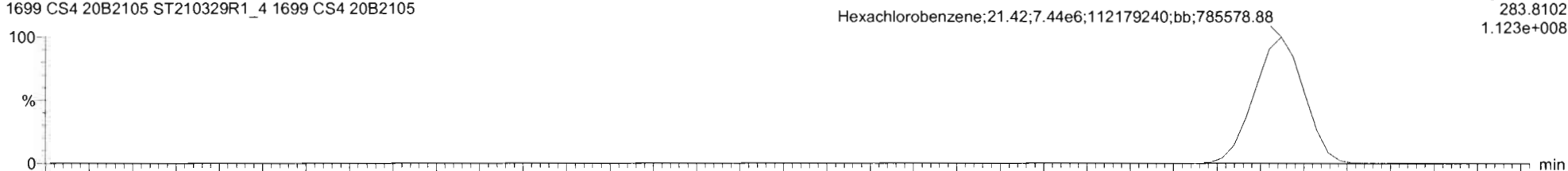
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Hexachlorobenzene

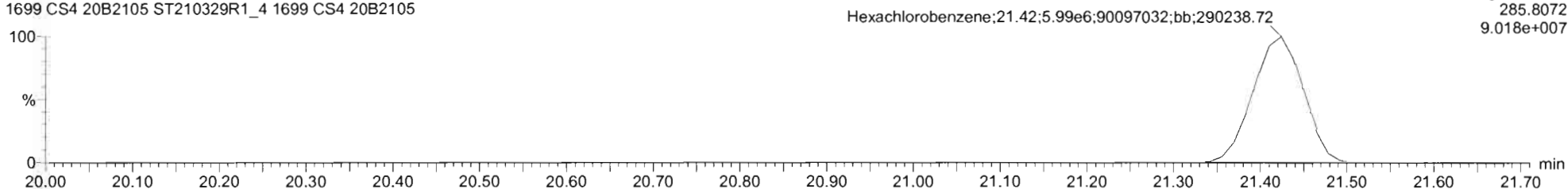
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F1:Voltage SIR,EI+
283.8102
1.123e+008



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

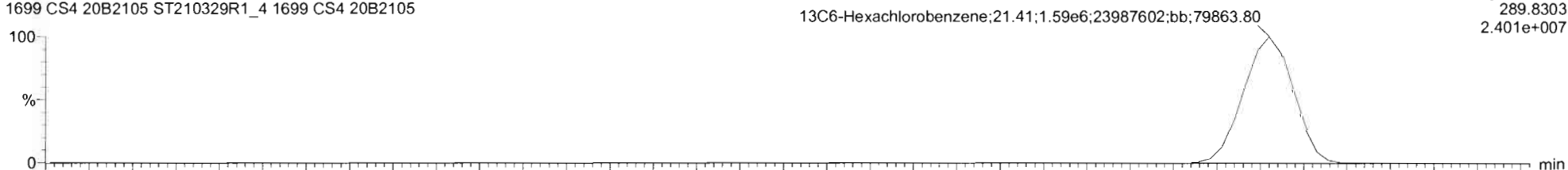
F1:Voltage SIR,EI+
285.8072
9.018e+007



13C6-Hexachlorobenzene

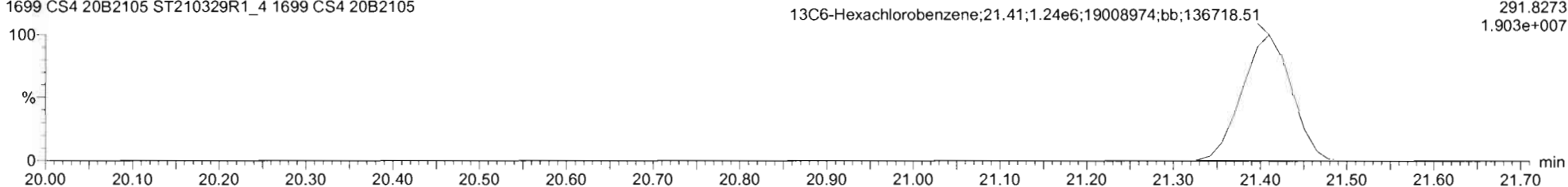
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F1:Voltage SIR,EI+
289.8303
2.401e+007



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F1:Voltage SIR,EI+
291.8273
1.903e+007



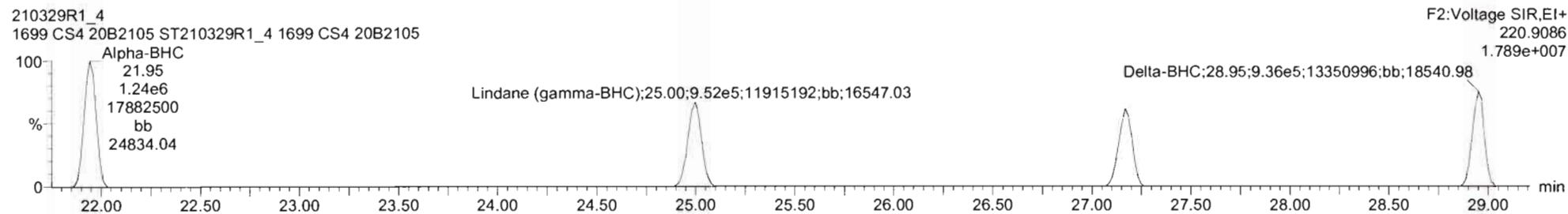
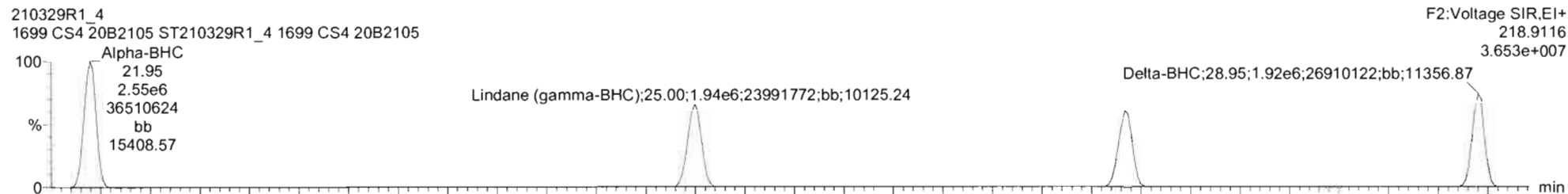
Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

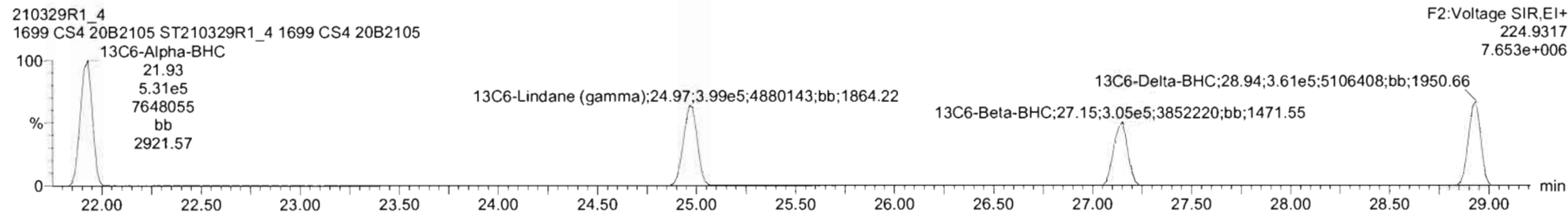
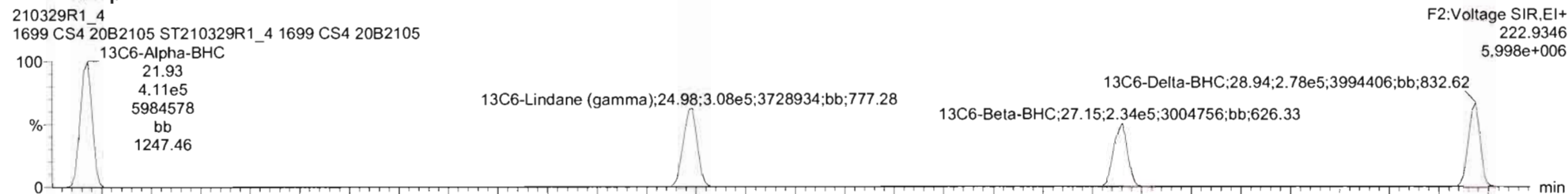
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Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

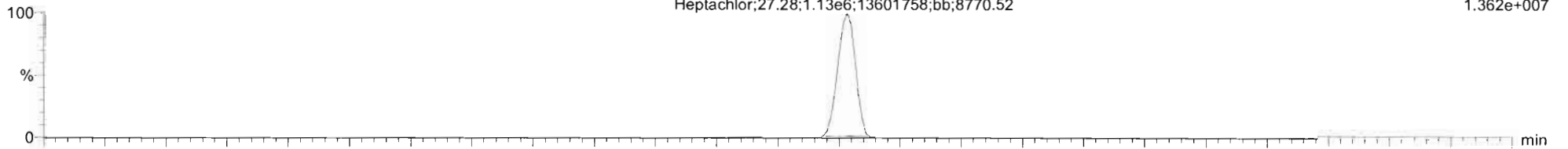
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Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Heptachlor

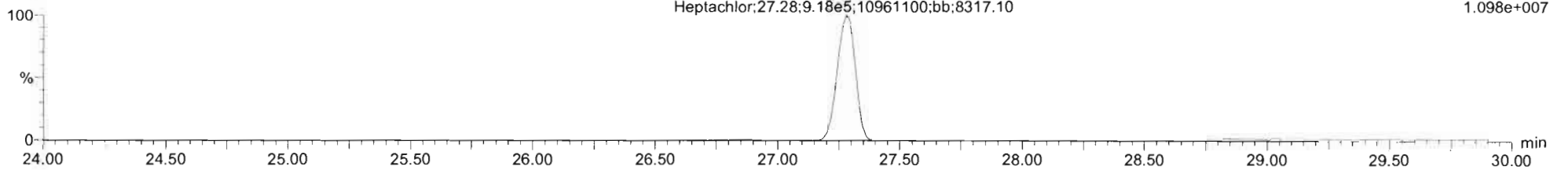
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F2:Voltage SIR,EI+
271.8102
1.362e+007



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

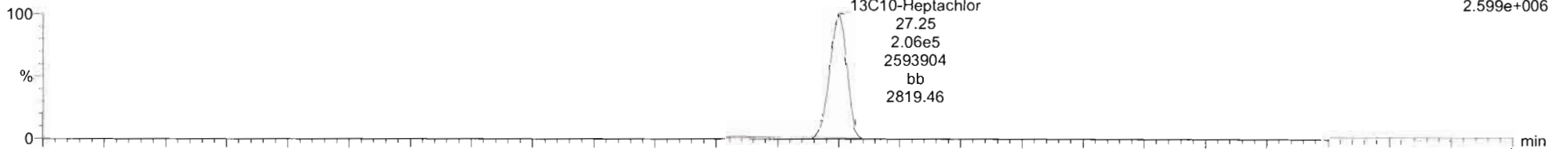
F2:Voltage SIR,EI+
273.8072
1.098e+007



13C10-Heptachlor

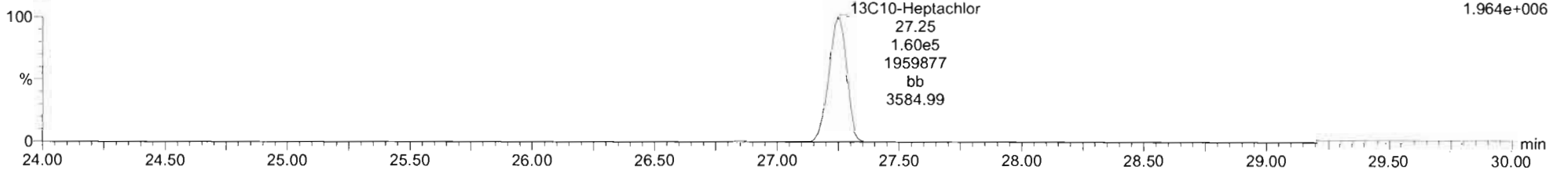
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F2:Voltage SIR,EI+
276.8269
2.599e+006



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F2:Voltage SIR,EI+
278.8240
1.964e+006



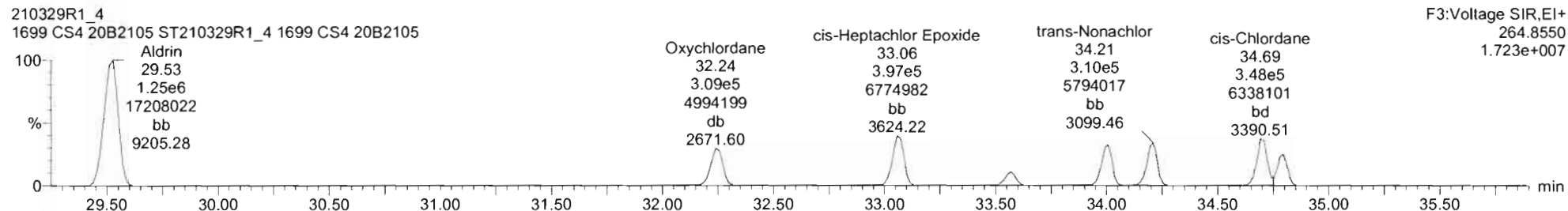
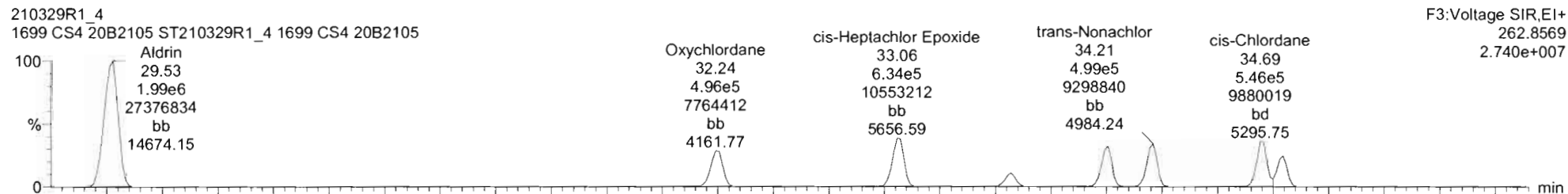
Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

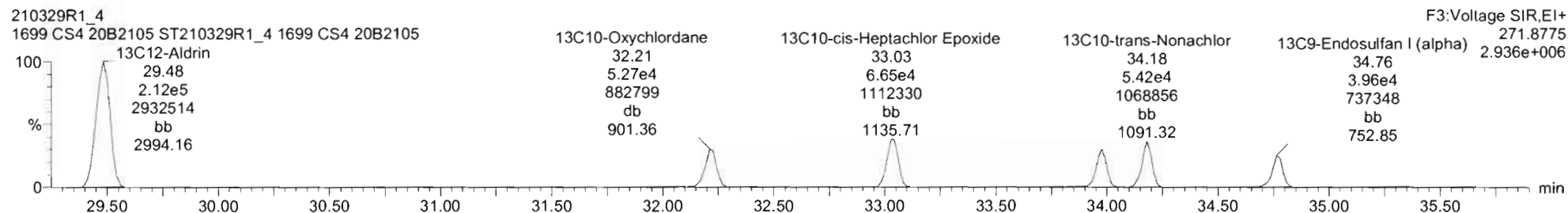
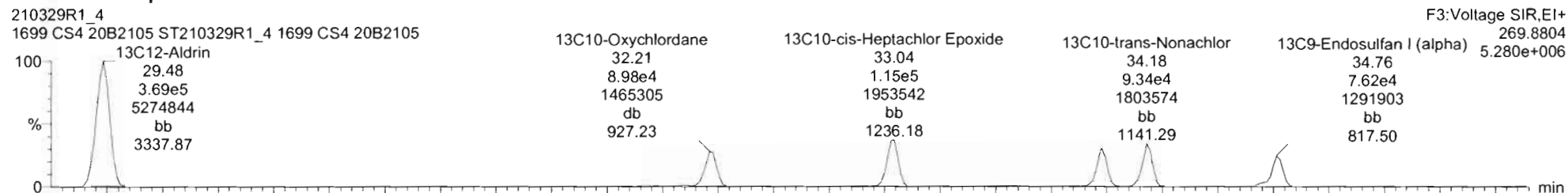
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105

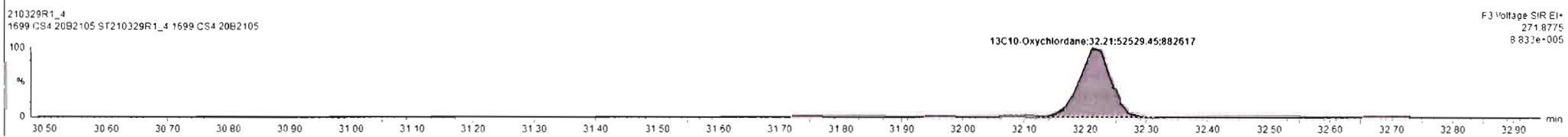
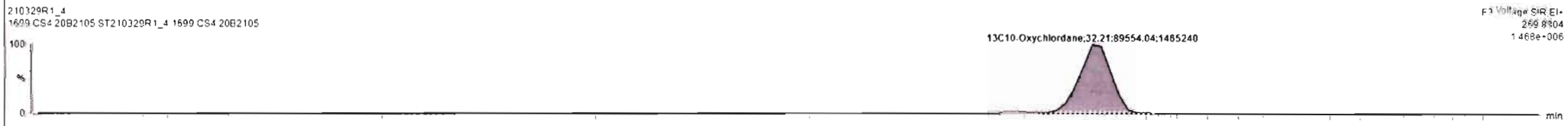
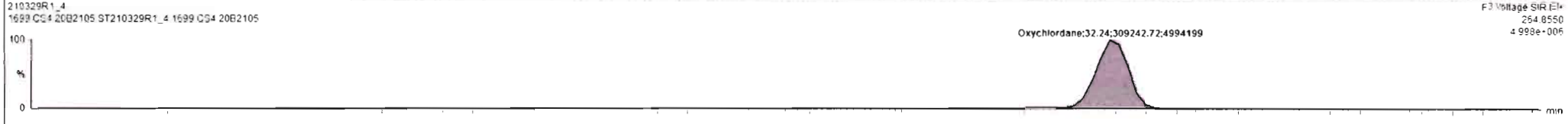
Aldrin-EI



Aldrin-EI-isotopes

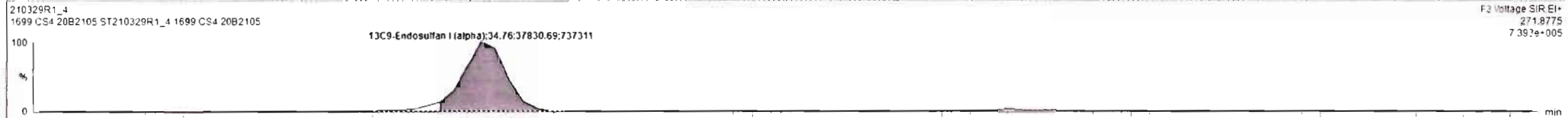
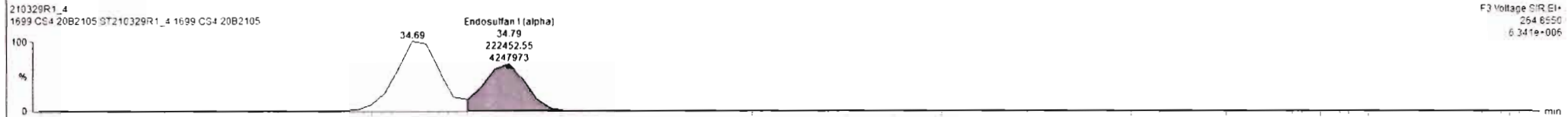
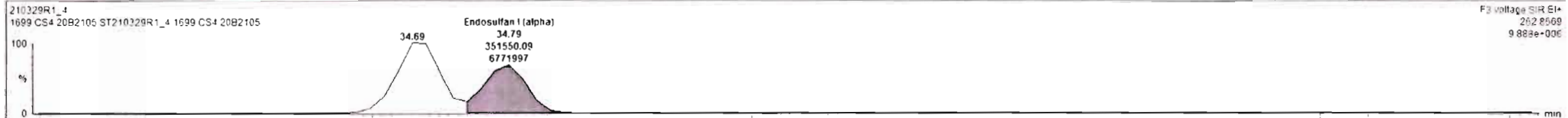


#	Name	RT	RA	Y/N	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
1	Hexachlorobutadiene	9.57	0.062	YES	2.615e4	2.922e6	1250.000	-95.9	106	0.0873	0.163
2	Hexachlorobenzene	21.42	1.242	NO	1.3432e7	2.8297e6	250.000	0.5	6.35	0.945	0.0500
3	Alpha-BHC	21.94	2.056	NO	3.7897e6	9.4194e5	250.000	3.0	8.96	0.781	0.0700
4	Lindane (gamma-BHC)	25.00	2.040	NO	2.8943e6	7.0715e5	250.000	3.7	8.06	0.790	0.0700
5	Beta-BHC	27.17	2.045	NO	2.5848e6	5.7911e5	250.000	3.7	7.55	0.925	0.0698
6	Delta-BHC	28.95	2.054	NO	2.8569e6	6.3884e5	250.000	3.7	9.08	0.863	0.0784
7	Heptachlor	27.78	1.234	NO	2.8603e6	3.6539e5	250.000	5.0	8.85	1.07	0.0546
8	4,4-DDHU	28.87	2.963	NO	3.6154e6	6.3884e5	250.000	-0.8	3.92	1.14	0.0447
9	Aldrin	29.53	1.588	NO	3.2355e6	5.8157e5	250.000	2.7	7.55	1.09	0.0323
10	Oxychlorane	32.24	1.591	NO	8.0130e5	1.4208e5	250.000	4.2	5.03	1.08	0.0544
11	cis-Heptachlor Epoxide	33.06	1.596	NO	1.0315e6	1.8114e5	250.000	4.3	5.20	1.09	0.0560
12	trans-Heptachlor Epoxide	33.57	1.600	NO	2.5834e5	1.8114e5	250.000	6.2	6.14	0.269	0.0165
13	trans-Chlordane (gamma)	34.01	1.580	NO	7.7427e5	1.3385e5	250.000	2.7	6.91	1.13	0.0778
14	trans-Nonachlor	34.21	1.607	NO	8.0909e5	1.4757e5	250.000	5.2	6.72	1.04	0.0700
15	cis-Chlordane	34.69	1.571	NO	8.9342e5	1.4757e5	250.000	6.4	6.59	1.14	0.0750



210329R1_4 - ST210329R1_4 1699 CS4 20B2105 - 1699 CS4 20B2105

#	Name	RT	RA	Y/n	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
2	Hexachlorobenzene	21.42	1.242	NO	1.3432e7	2.8297e6	250.000	0.5	6.35	0.945	0.0600
3	Alpha-BHC	21.94	2.056	NO	1.7097e6	9.4194e5	250.000	3.0	8.96	0.781	0.0700
4	Lindane (gamma-BHC)	25.00	2.040	NO	2.8942e6	7.0715e5	250.000	3.7	8.86	0.790	0.0700
5	Beta-BHC	27.17	2.045	NO	2.5848e6	5.3911e5	250.000	3.7	7.55	0.925	0.0698
6	Delta-BHC	28.95	2.054	NO	2.8569e6	6.3884e5	250.000	3.7	9.08	0.263	0.0784
7	Heptachlor	27.28	1.234	NO	2.0502e6	3.6539e5	250.000	5.0	6.85	1.07	0.0546
8	4,4-DDMU	28.87	2.963	NO	3.6154e6	6.3884e5	250.000	-0.9	3.92	1.14	0.0447
9	Aldrin	29.53	1.580	NO	3.2355e6	5.8157e5	250.000	2.2	7.55	1.09	0.0822
10	Oxyendane	32.24	1.591	NO	8.0130e5	1.4208e5	250.000	4.2	5.03	1.03	0.0544
11	cis-Heptachlor Epoxide	33.06	1.596	NO	1.0315e6	1.8114e5	250.000	4.3	5.20	1.09	0.0553
12	trans-Heptachlor Epoxide	33.57	1.600	NO	2.5834e5	1.8114e5	250.000	6.2	6.14	0.269	0.0165
13	trans-Chlordane (gamma)	34.01	1.580	NO	7.7427e5	1.3385e5	250.000	2.7	6.91	1.13	0.0778
14	trans-Nonachlor	34.21	1.607	NO	8.0909e5	1.4757e5	250.000	5.2	6.72	1.04	0.0700
15	cis-Chlordane	34.69	1.571	NO	8.9342e5	1.4757e5	250.000	6.4	6.59	1.14	0.0750
16	Endosulfan I (alpha)	34.79	1.580	NO	5.7400e5	1.0655e5	250.000	-3.4	17.7	1.12	0.198



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

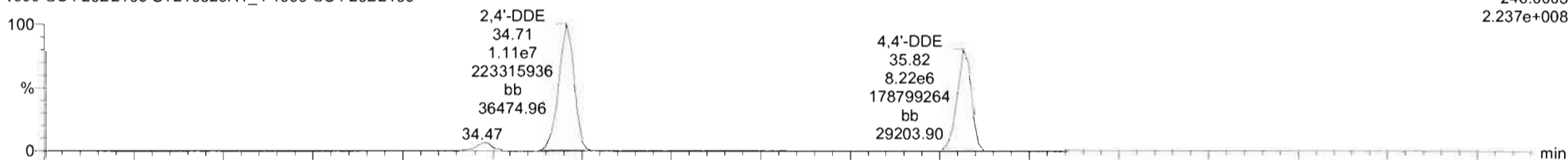
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105

DDMU-DDE

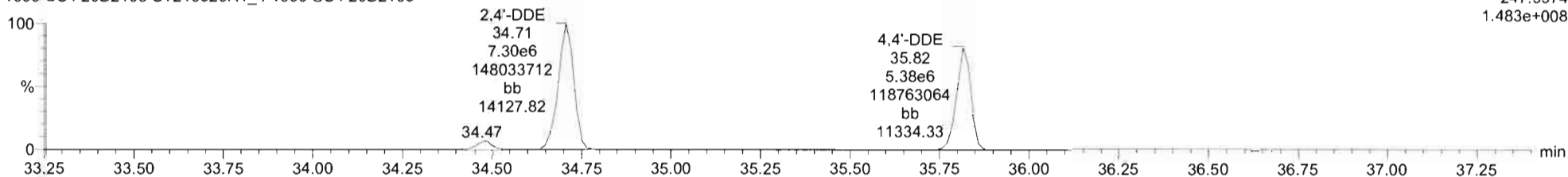
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F3:Voltage SIR,EI+
246.0003
2.237e+008



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

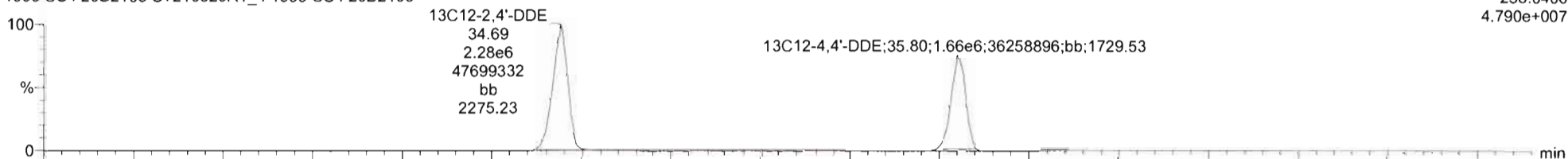
F3:Voltage SIR,EI+
247.9974
1.483e+008



DDE-isotopes

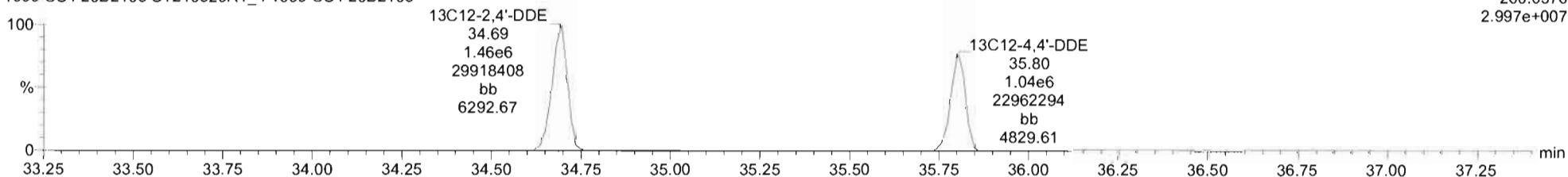
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F3:Voltage SIR,EI+
258.0406
4.790e+007



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F3:Voltage SIR,EI+
260.0376
2.997e+007



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

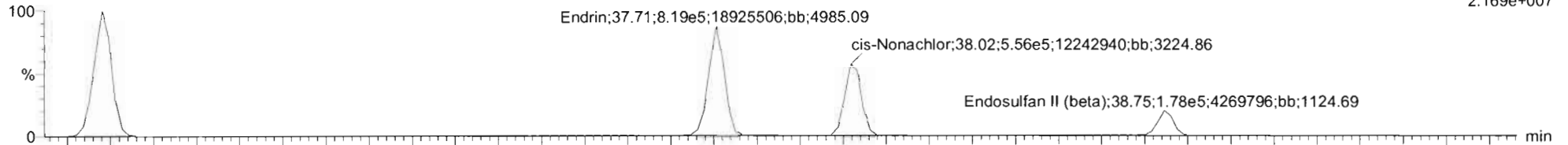
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Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Dieldrin-EII

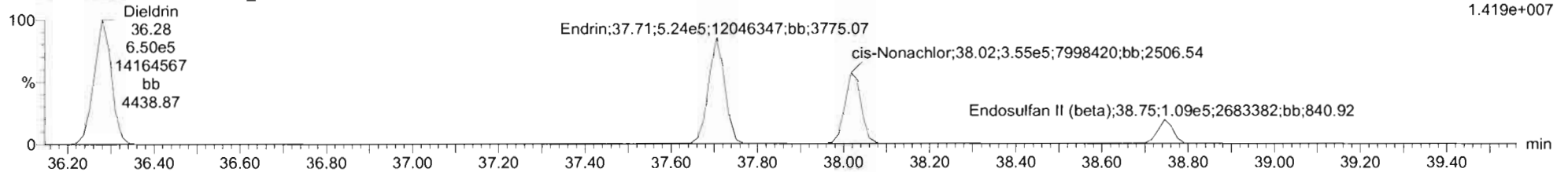
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F4:Voltage SIR,EI+
262.8569
2.169e+007



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

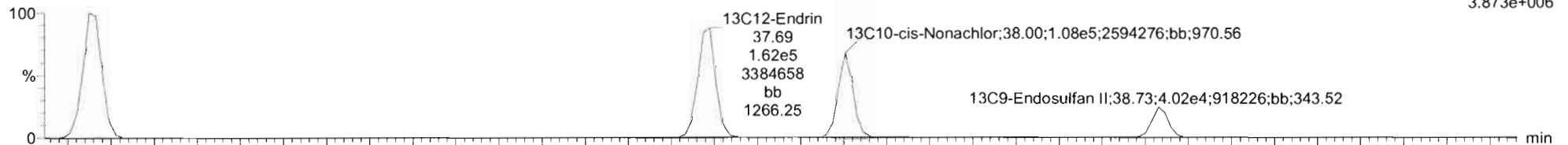
F4:Voltage SIR,EI+
264.8550
1.419e+007



Dieldrin-EII-isotopes

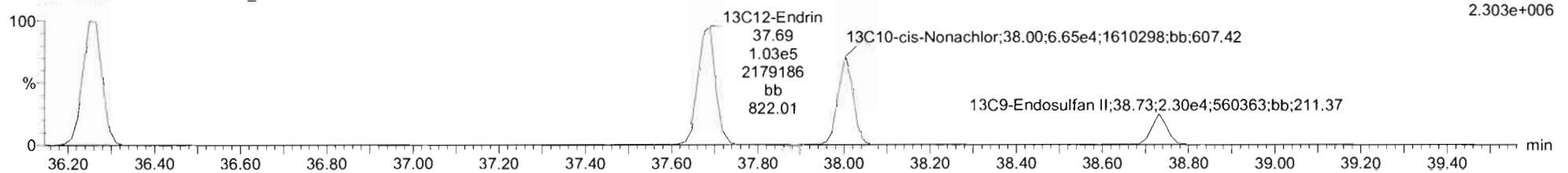
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F4:Voltage SIR,EI+
269.8804
3.873e+006



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

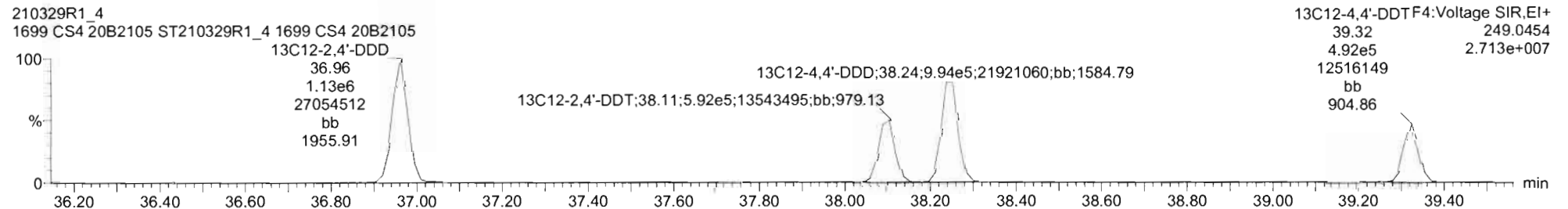
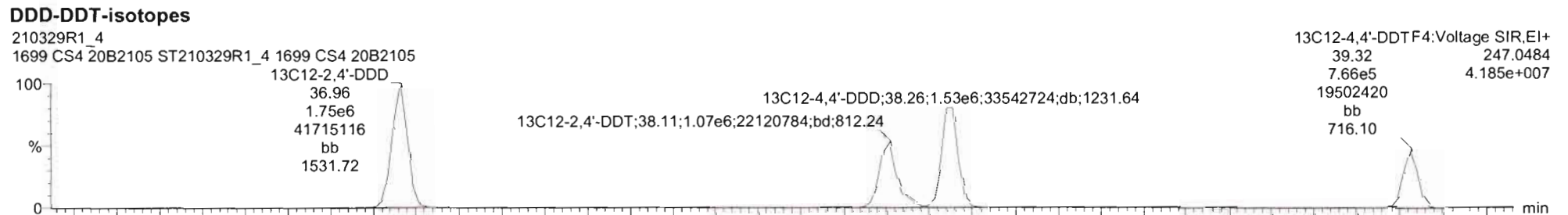
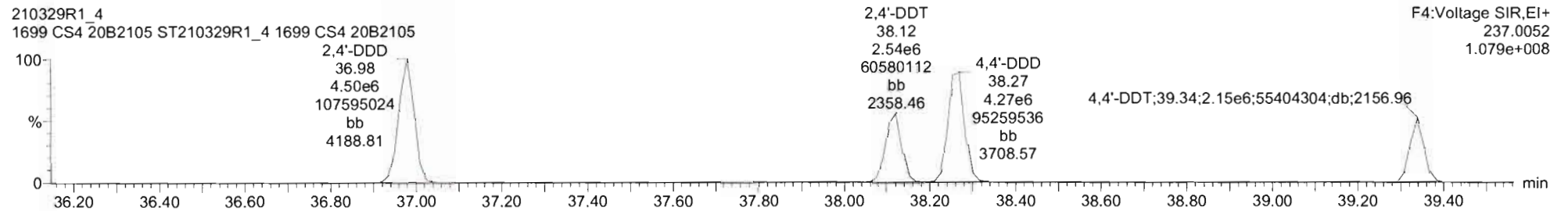
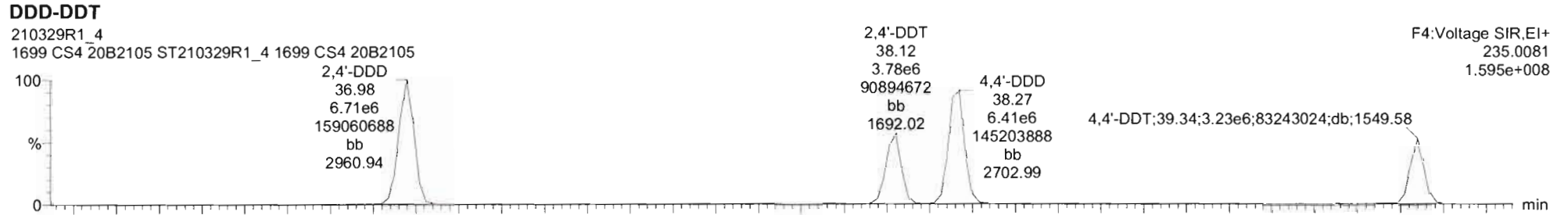
F4:Voltage SIR,EI+
271.8775
2.303e+006



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105



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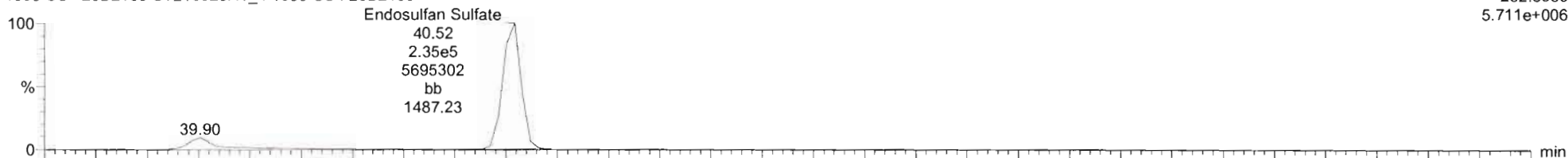
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Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Endosulfan Sulfate

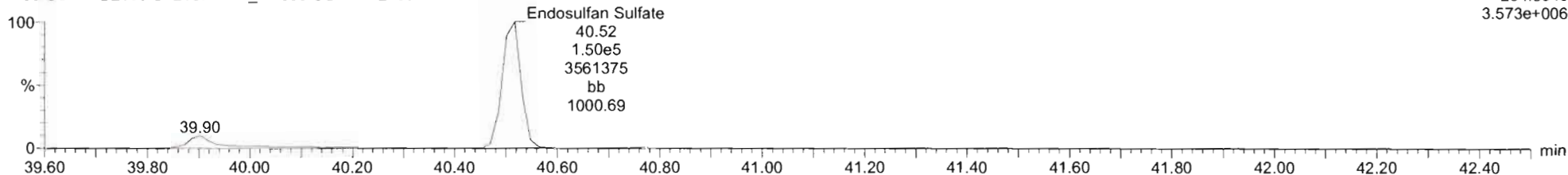
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F5:Voltage SIR,EI+
262.8569
5.711e+006



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

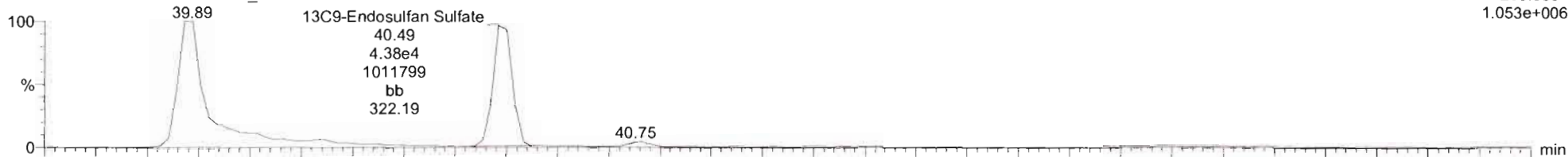
F5:Voltage SIR,EI+
264.8540
3.573e+006



13C9-Endosulfan Sulfate

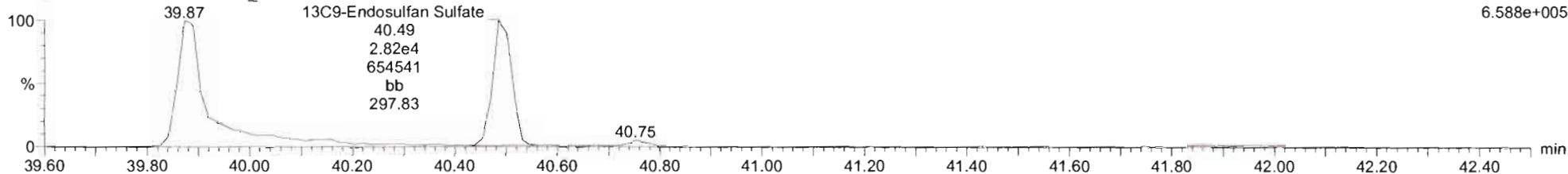
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F5:Voltage SIR,EI+
269.8804
1.053e+006



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F5:Voltage SIR,EI+
271.8775
6.588e+005



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

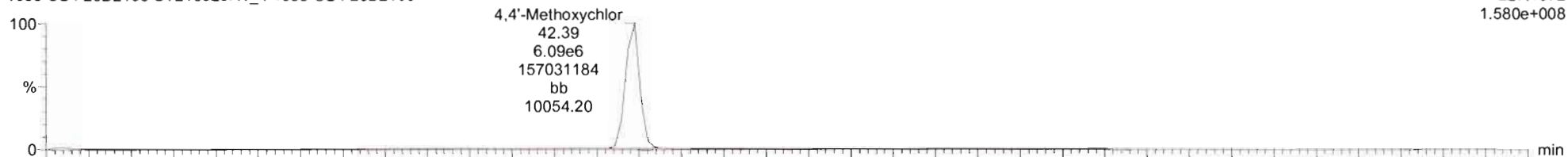
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105

4,4'-Methoxychlor

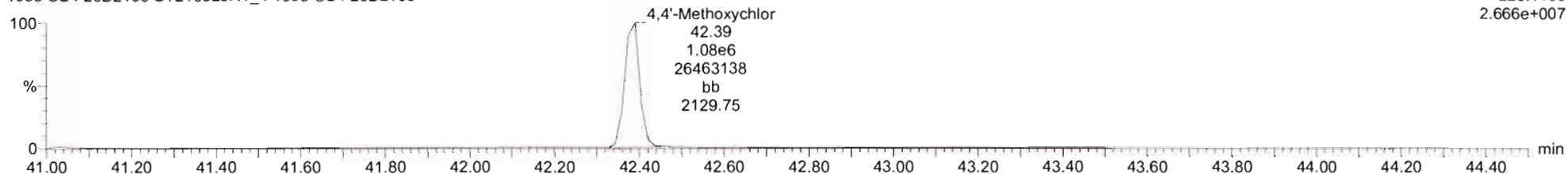
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F5:Voltage SIR,EI+
227.1072
1.580e+008



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

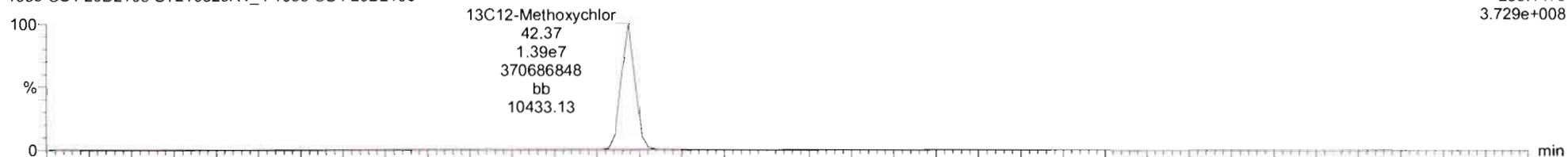
F5:Voltage SIR,EI+
228.1106
2.666e+007



13C12-Methoxychlor

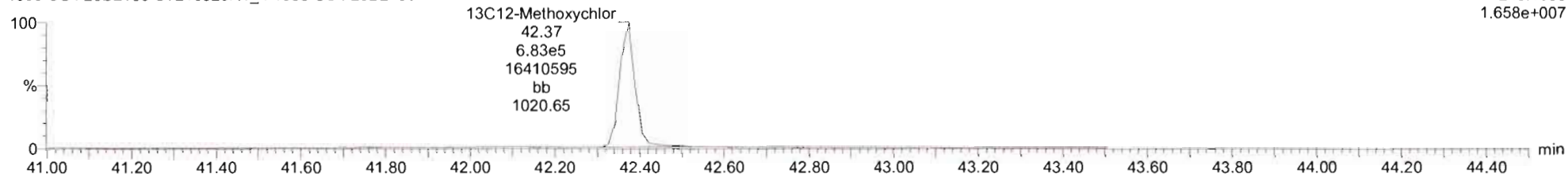
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F5:Voltage SIR,EI+
239.1475
3.729e+008

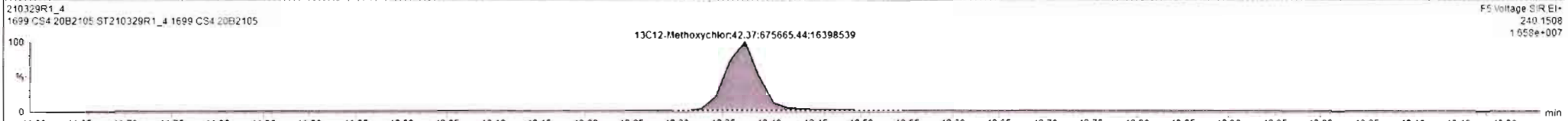
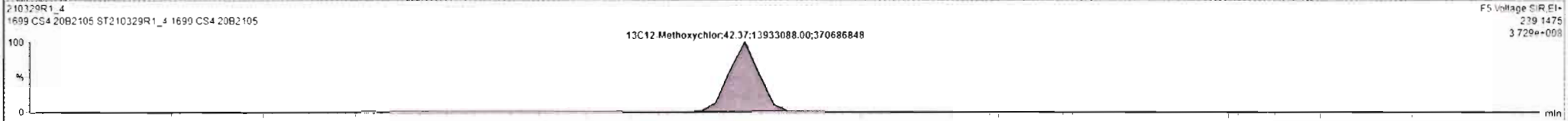
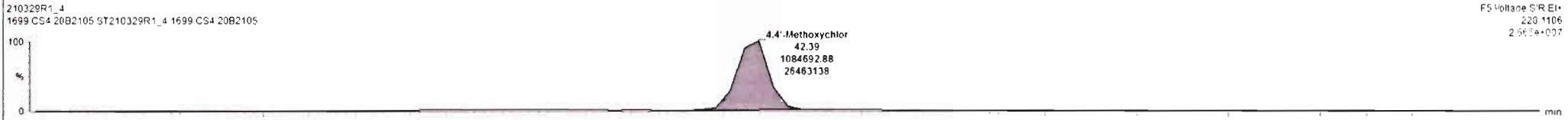
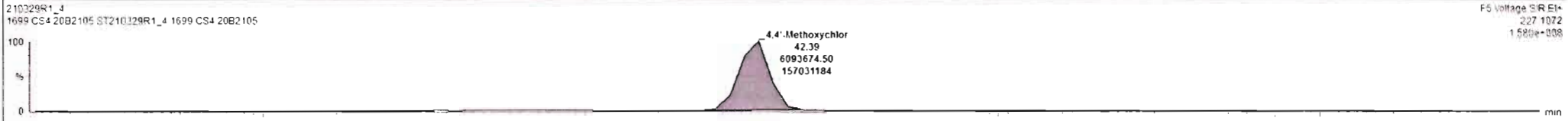


210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F5:Voltage SIR,EI+
240.1508
1.658e+007



#	Name	RT	RA	Yn	Area	IS Area	Std. Conc	%Dev	%RSD	RRF M	RRF SD
17	4,4-DDMU	34.49	2.959	NO	7.6543e6	3.7434e6	250.000	-2.3	3.93	0.419	0.0160
18	2,4-DDE	34.71	1.524	NO	1.8420e7	3.7434e6	250.000	-1.2	4.69	0.996	0.0466
19	4,4-DDE	35.81	1.529	NO	1.3193e7	2.7048e6	250.000	-0.3	4.40	1.01	0.0444
20	Dieldrin	36.28	1.558	NO	1.6623e6	3.1690e5	250.000	4.8	8.51	1.00	0.0652
21	Endrin	37.71	1.563	NO	1.3431e6	2.6487e5	250.000	3.8	7.76	0.977	0.0758
22	ca-Nonachlor	38.02	1.568	NO	9.1122e5	1.7407e5	250.000	3.5	5.52	1.01	0.0548
23	Endosulfan I (beta)	38.75	1.626	NO	2.9669e5	6.3208e4	250.000	-10.0	7.48	1.01	0.0754
24	2,4-DDD	38.98	1.490	NO	1.1209e7	2.8816e6	250.000	-0.3	5.12	0.780	0.0399
25	2,4-DDT	38.12	1.488	NO	6.3191e6	1.6616e6	250.000	1.3	8.41	0.751	0.0631
26	4,4-DDD	38.27	1.499	NO	1.0678e7	2.5208e6	250.000	0.2	5.15	0.846	0.0425
27	4,4-DDT	39.34	1.498	NO	5.3821e6	1.2577e6	250.000	1.7	6.56	0.841	0.0552
28	Endosulfan Sulfate	40.52	1.567	NO	3.8516e5	7.1964e4	250.000	1.8	3.04	1.05	0.0319
29	4,4'-Methoxychlor	42.39	5.618	NO	7.1784e6	1.4609e7	250.000	-0.4	3.01	0.987	0.0297
30	Hrex	42.81	1.547	NO	3.9231e6	7.8369e5	250.000	2.2	8.28	0.979	0.0311
31	Endrin Aldehyde	39.90	0.645	NO	8.4591e5	1.6415e5	250.000	5.4	3.57	0.978	0.0350

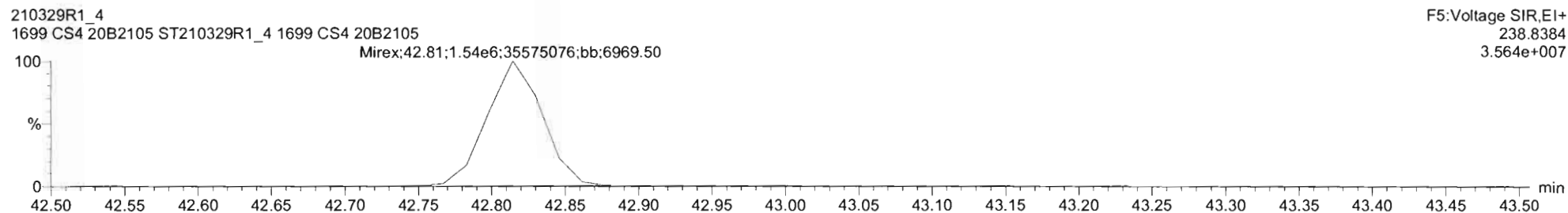
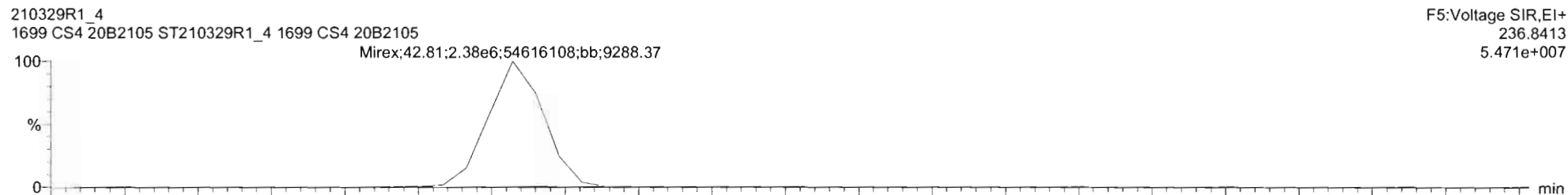


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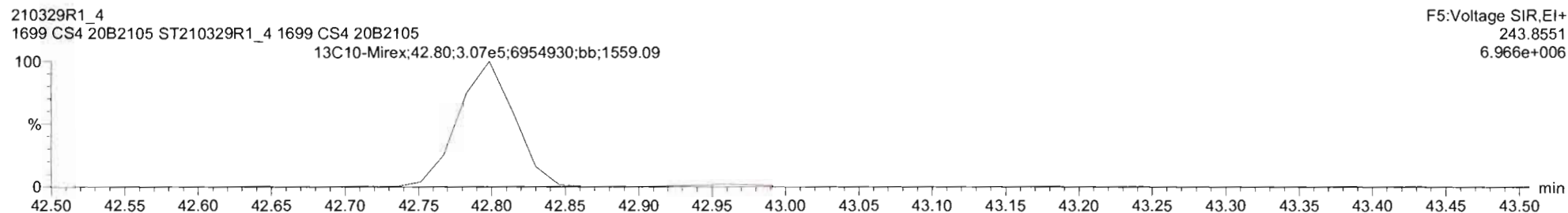
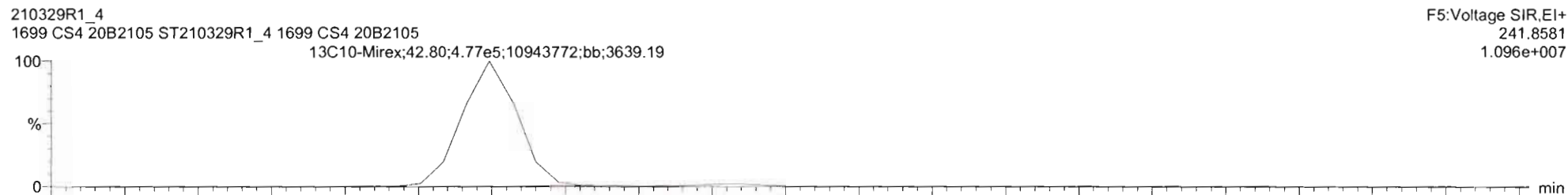
Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105

Mirex



13C10-Mirex



Dataset: Untitled

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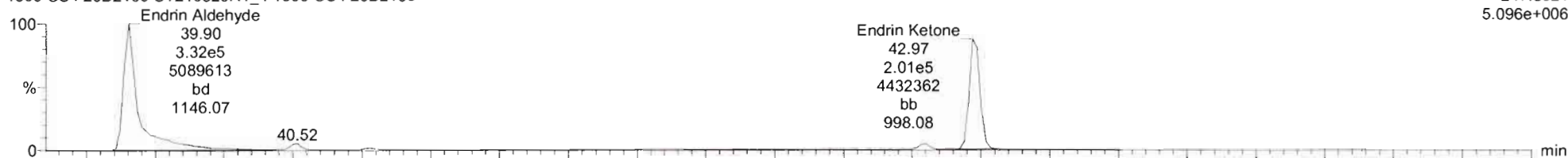
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

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EA-EK

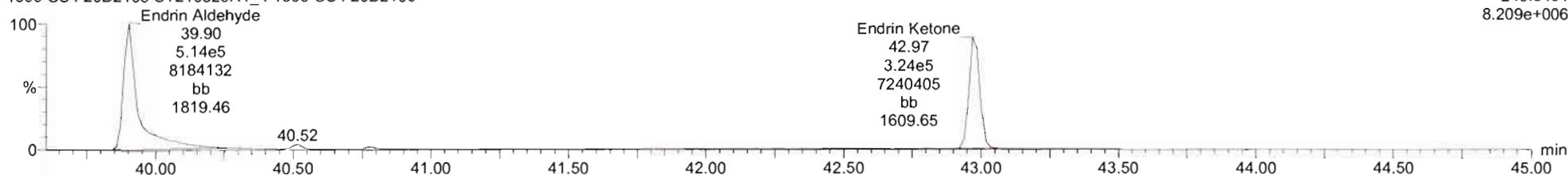
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F5:Voltage SIR,EI+
247.8521
5.096e+006



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

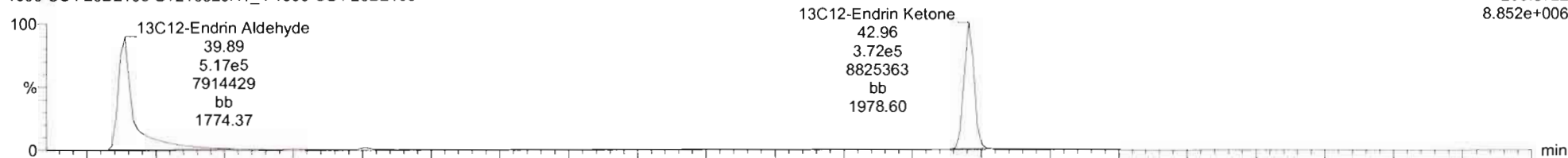
F5:Voltage SIR,EI+
249.8491
8.209e+006



EA-EK-isotopes

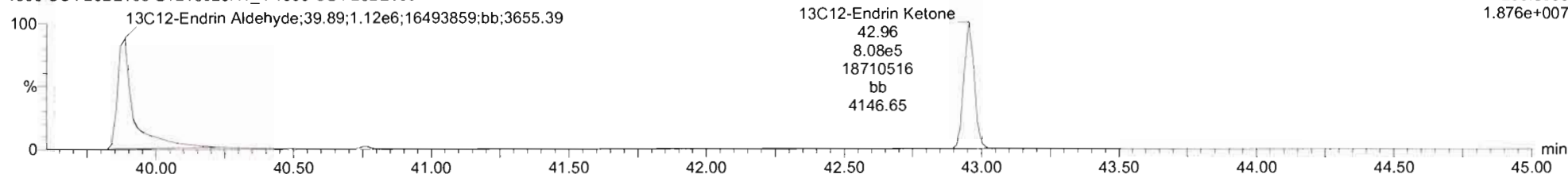
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F5:Voltage SIR,EI+
253.8722
8.852e+006

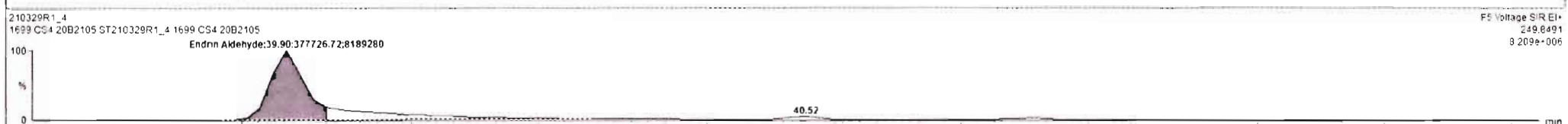
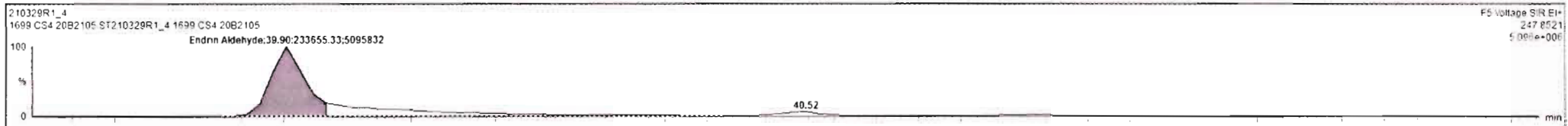


210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F5:Voltage SIR,EI+
255.8693
1.876e+007



#	Y	Name	RT	RA	yh	Area	IS Area	Std Conc	%Dev	%RSD	RRF M	RRF SD
17	17	4,4-DDMU	34.49	2.959	NO	7.6543e6	3.7434e6	250.000	-2.3	3.83	0.419	0.0160
18	18	4,4-DDE	34.71	1.524	NO	1.8427e7	3.7434e6	250.000	-1.2	4.69	0.996	0.0466
19	19	4,4-DDE	35.81	1.529	NO	1.3593e7	2.7048e6	250.000	-0.3	4.40	1.01	0.0444
20	20	Dieldrin	36.28	1.558	NO	1.6623e6	3.1690e5	250.000	4.8	8.51	1.00	0.0552
21	21	Endrin	37.71	1.563	NO	1.3431e6	2.6437e5	250.000	3.8	7.76	0.977	0.0769
22	22	o,p'-Nonachlor	38.02	1.566	NO	9.1122e5	1.7407e5	250.000	3.5	5.52	1.01	0.0558
23	23	Endosulfan II (beta)	38.75	1.426	NO	2.8669e5	6.3208e4	250.000	-10.0	7.48	1.01	0.0754
24	24	2,4-DDD	38.98	1.490	NO	1.1208e7	2.8818e6	250.000	-0.7	5.12	0.780	0.0299
25	25	4,4-DDT	38.12	1.488	NO	6.3191e6	1.6615e6	250.000	1.7	8.41	0.751	0.0531
26	26	4,4-DDD	38.27	1.499	NO	1.0678e7	2.5208e6	250.000	0.2	5.15	0.845	0.0425
27	27	4,4-DDT	39.34	1.498	NO	5.3821e6	1.2577e6	250.000	1.7	6.56	0.841	0.0552
28	28	Endosulfan Sulfate	40.52	1.567	NO	3.8516e5	7.1964e4	250.000	1.8	3.04	1.05	0.0319
29	29	4,4'-Methoxychlor	42.39	5.618	NO	7.1784e6	1.4609e7	250.000	-0.4	3.01	0.997	0.0297
30	30	Hexachlorocyclopentadiene	42.81	1.547	NO	3.9231e6	7.8369e5	250.000	2.2	8.28	0.979	0.0311
31	31	Endrin Aldehyde	39.90	0.619	NO	6.1138e5	1.2162e6	250.000	3.2	2.90	0.974	0.0282



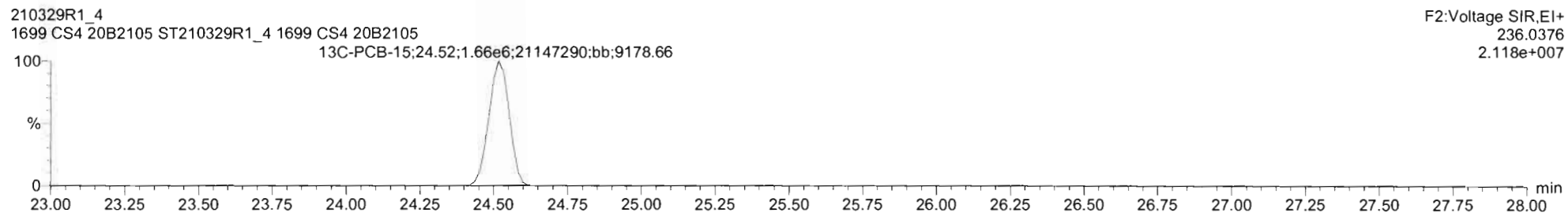
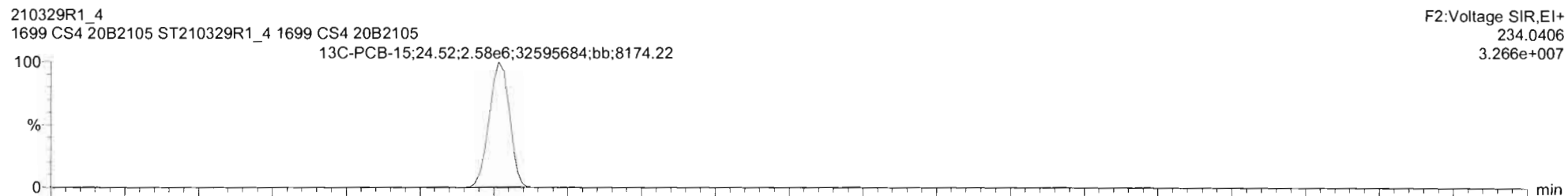
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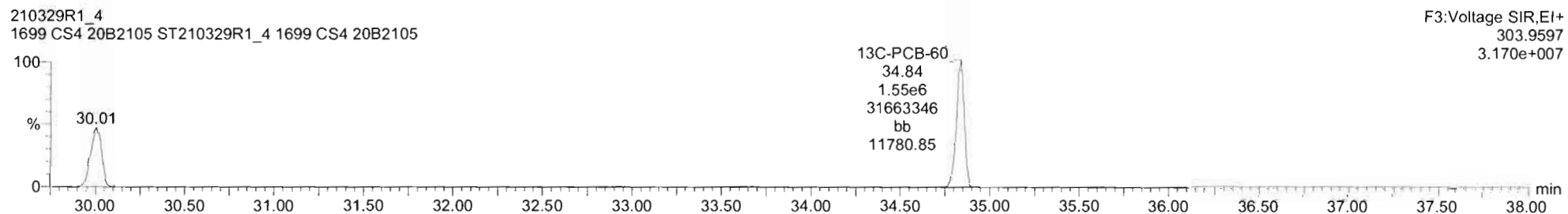
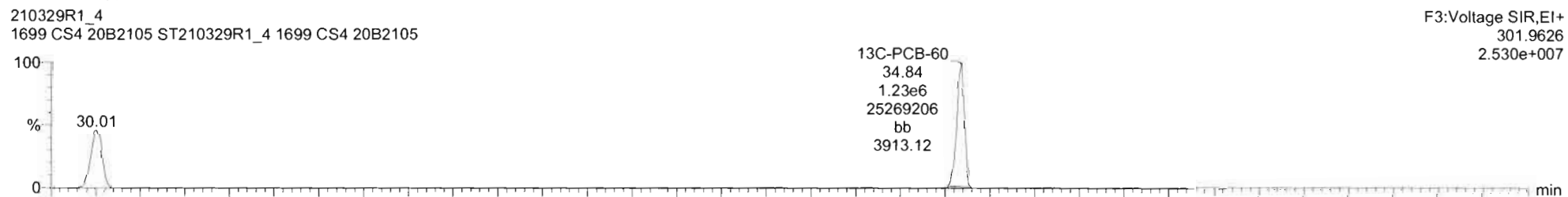
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Name: 210329R1_4, Date: 29-Mar-2021, Time: 19:57:48, ID: ST210329R1_4 1699 CS4 20B2105, Description: 1699 CS4 20B2105

13C-PCB-15



13C-PCB-60



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

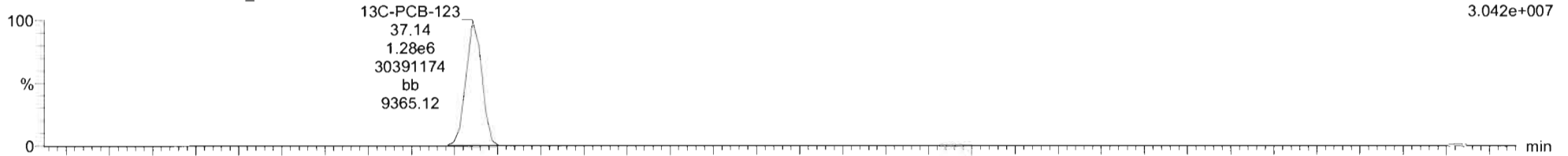
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13C-PCB-123

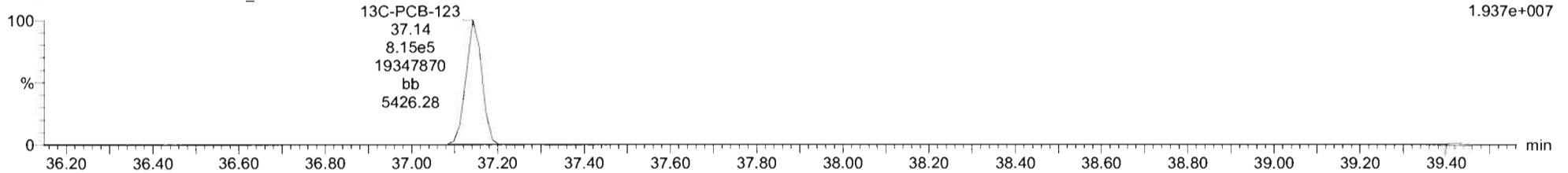
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F4:Voltage SIR,EI+
337.9210
3.042e+007



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

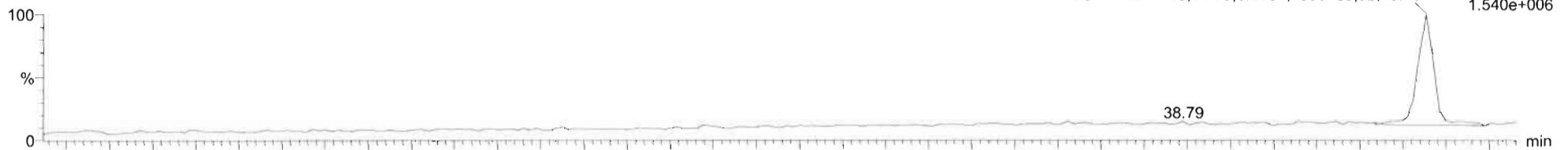
F4:Voltage SIR,EI+
339.9180
1.937e+007



13C-PARLAR 39

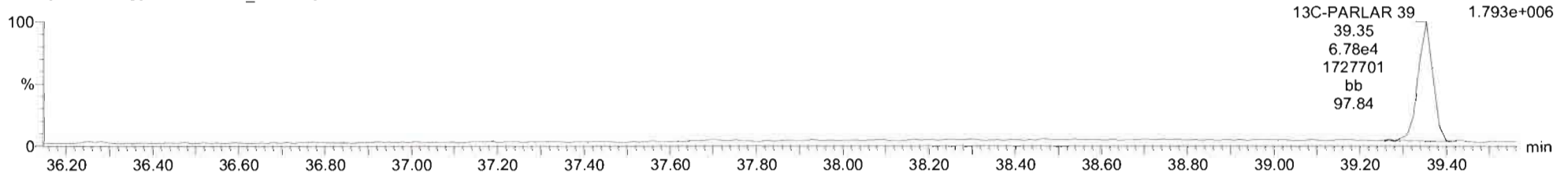
210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F4:Voltage SIR,EI+
251.9648
1.540e+006
13C-PARLAR 39;39.35;6.03e4;1356489;db;45.16



210329R1_4
1699 CS4 20B2105 ST210329R1_4 1699 CS4 20B2105

F4:Voltage SIR,EI+
253.9619
1.793e+006

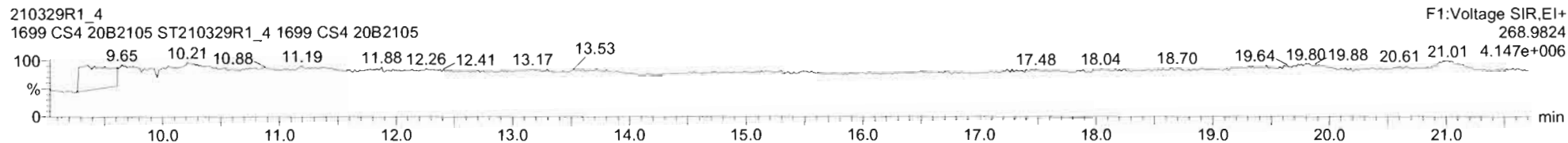


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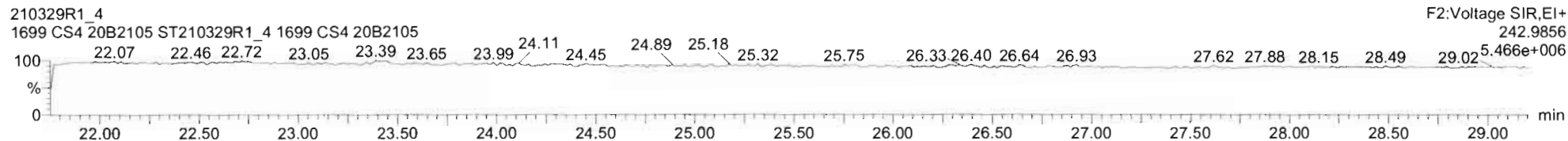
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Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

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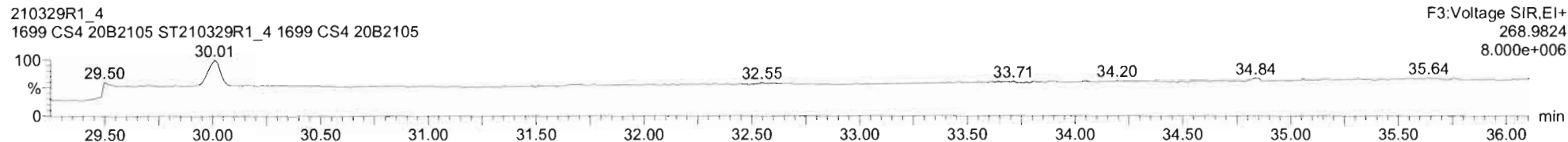
PFK1



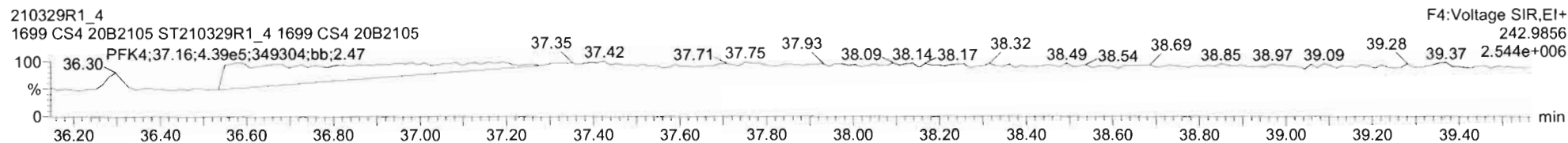
PFK2



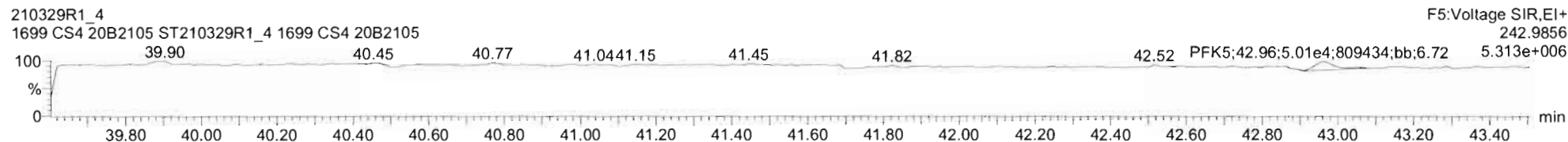
PFK3



PFK4



PFK5



Dataset: Untitled

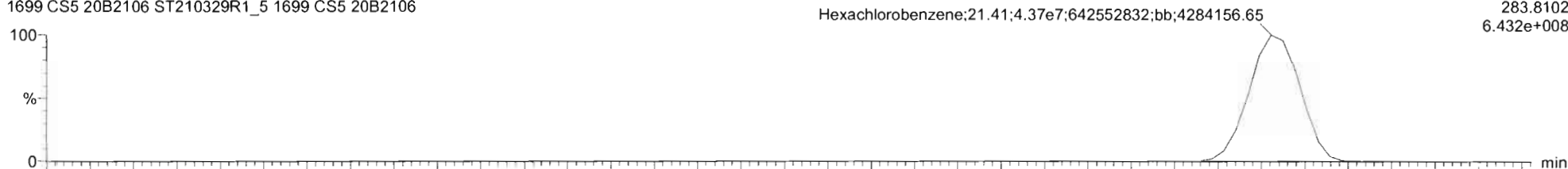
Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

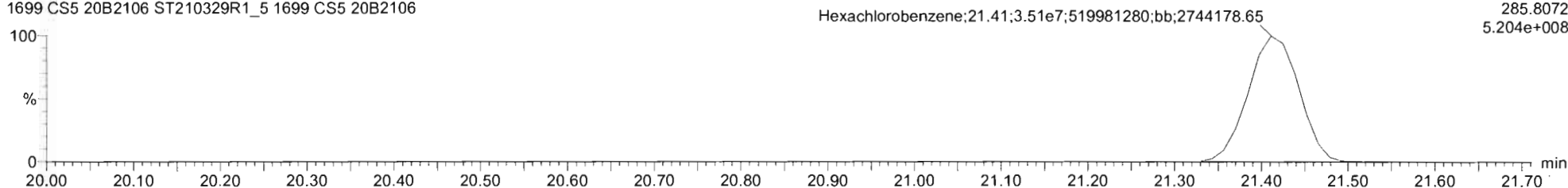
Hexachlorobenzene

210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106



F1:Voltage SIR,EI+
283.8102
6.432e+008

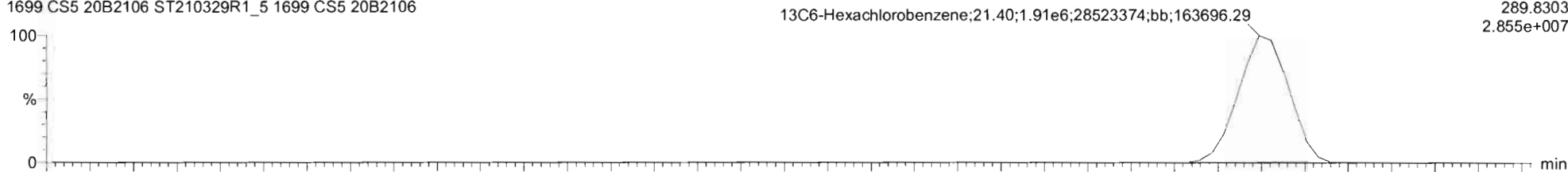
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106



F1:Voltage SIR,EI+
285.8072
5.204e+008

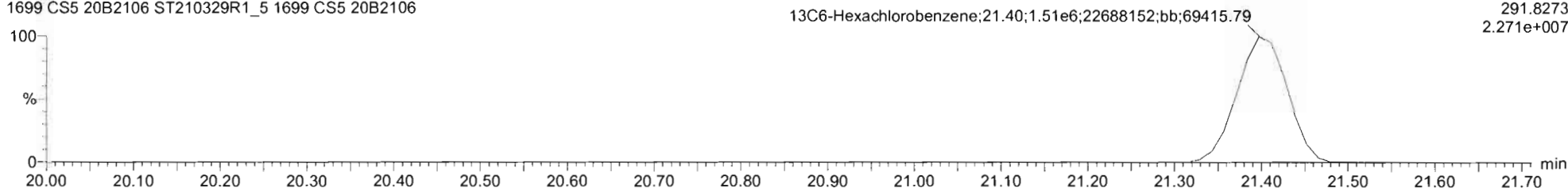
13C6-Hexachlorobenzene

210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106



F1:Voltage SIR,EI+
289.8303
2.855e+007

210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106



F1:Voltage SIR,EI+
291.8273
2.271e+007

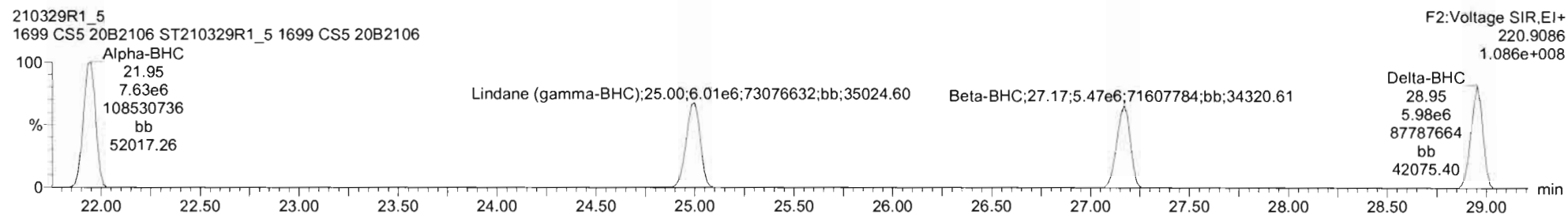
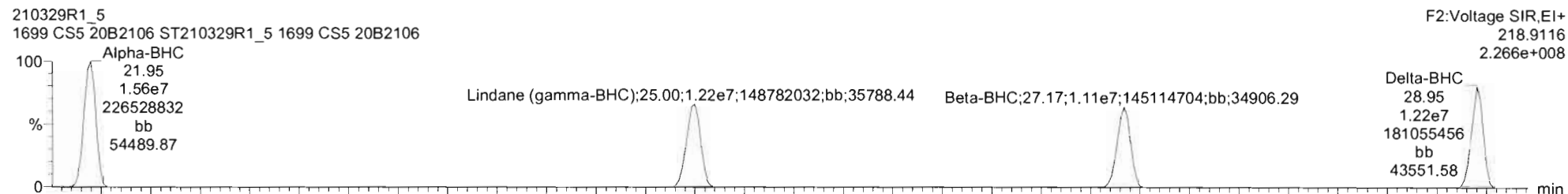
Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

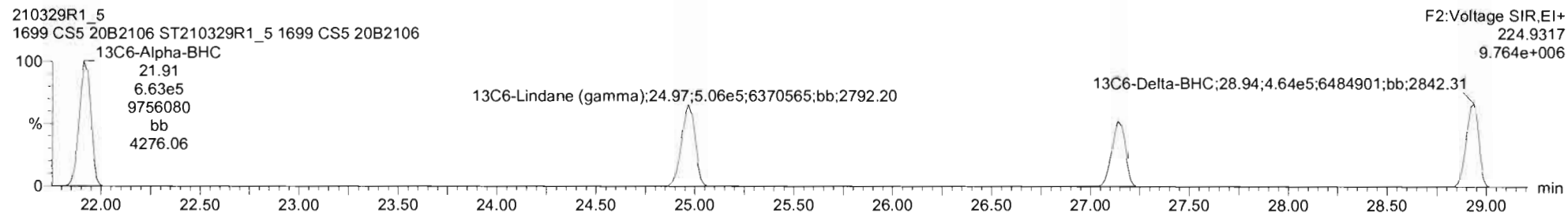
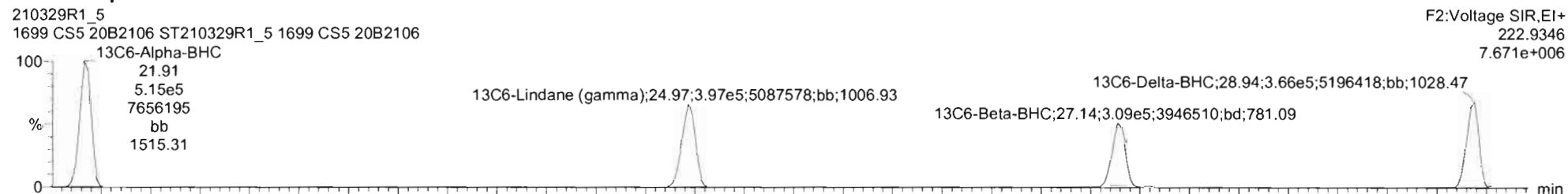
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

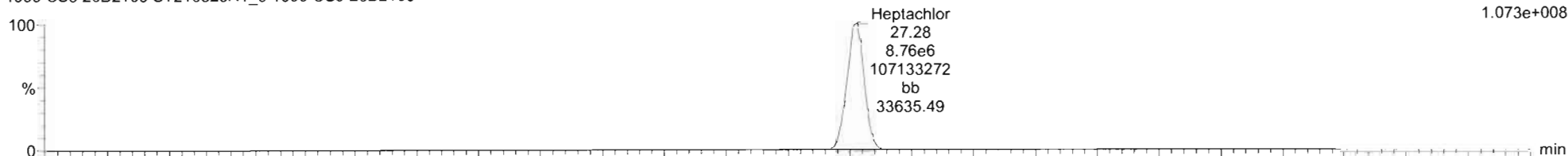
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

Heptachlor

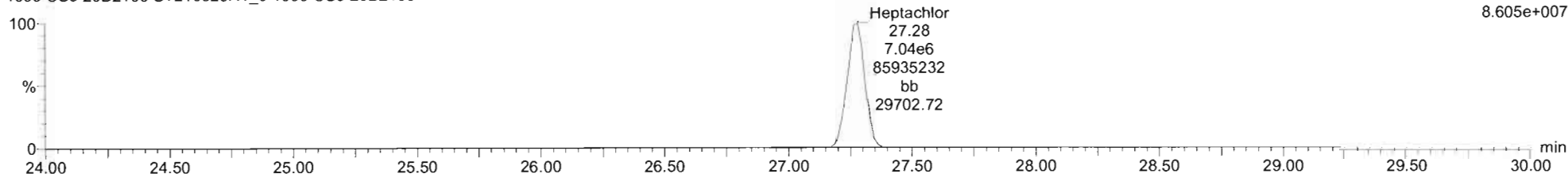
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F2:Voltage SIR,EI+
271.8102
1.073e+008



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

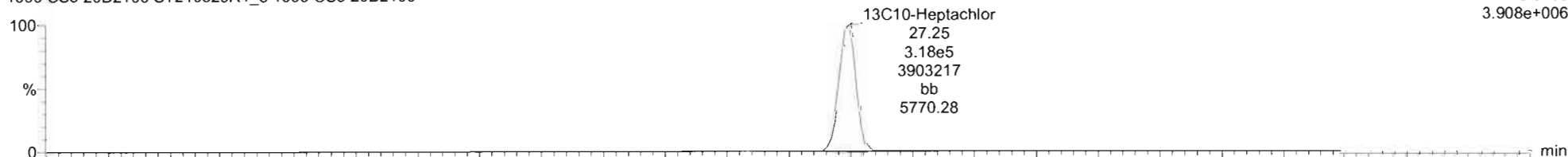
F2:Voltage SIR,EI+
273.8072
8.605e+007



13C10-Heptachlor

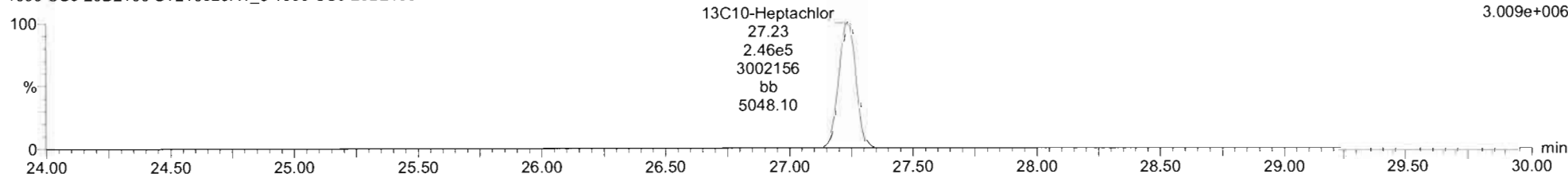
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F2:Voltage SIR,EI+
276.8269
3.908e+006



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F2:Voltage SIR,EI+
278.8240
3.009e+006



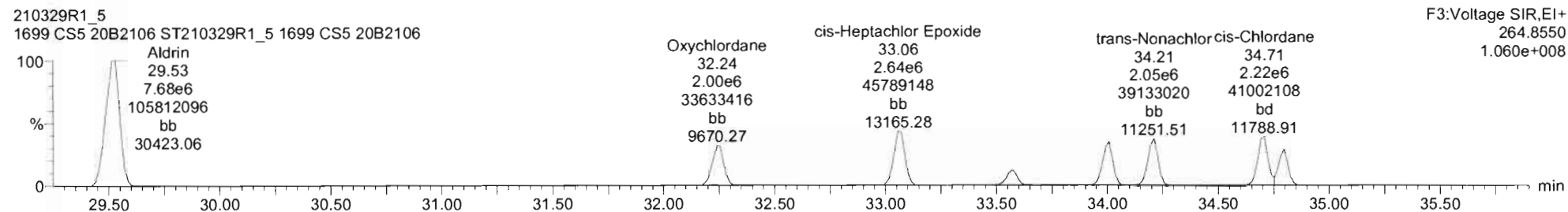
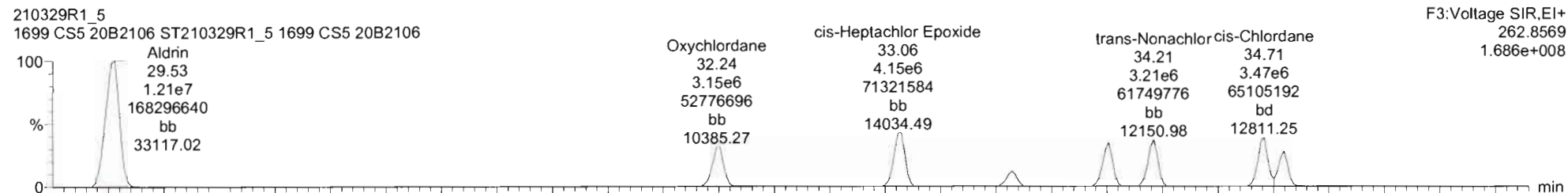
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Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

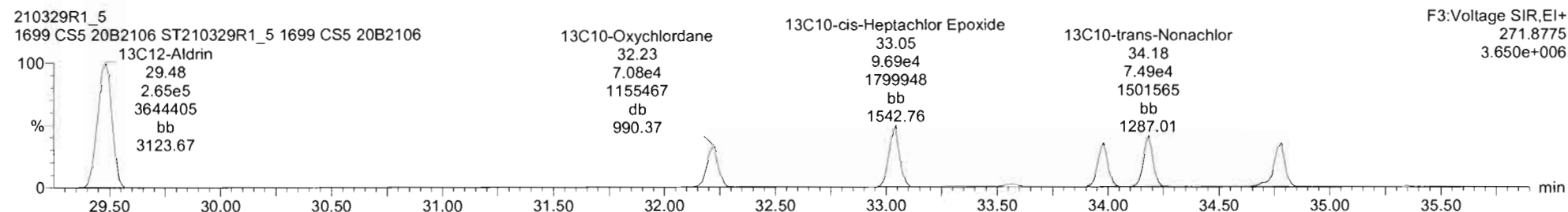
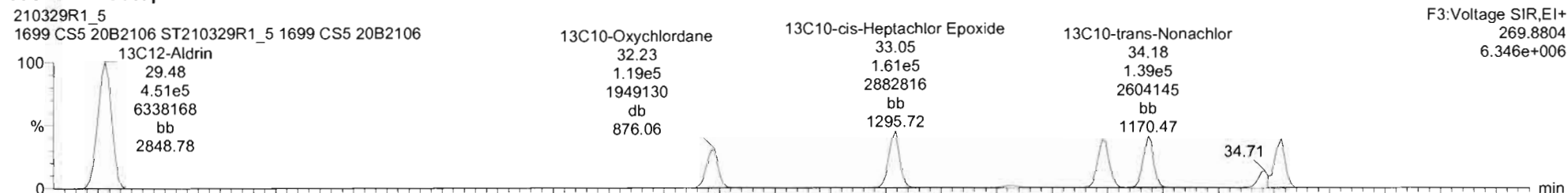
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

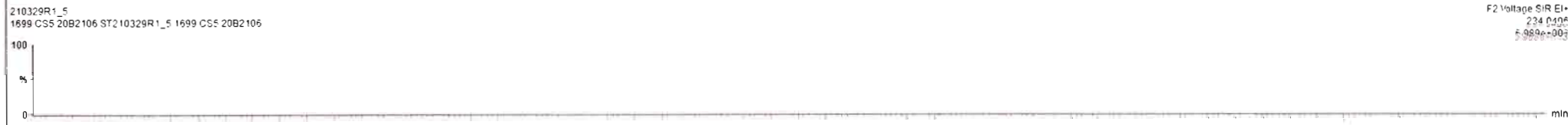
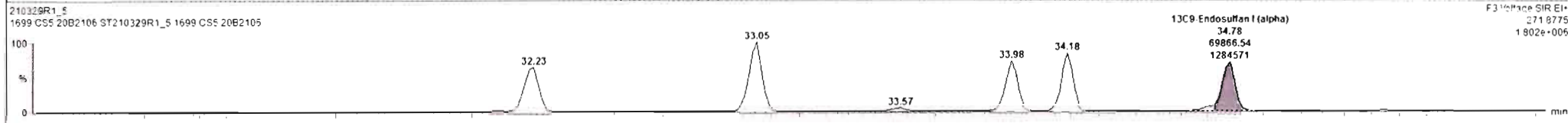
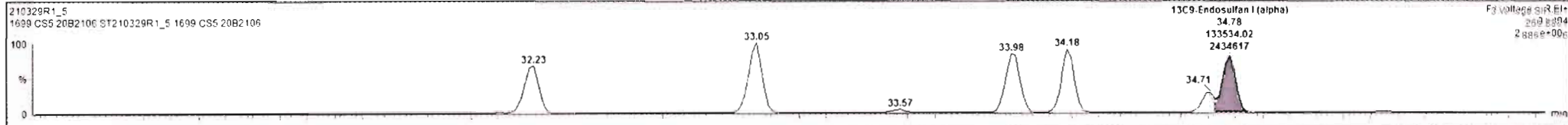
Aldrin-EI



Aldrin-EI-isotopes



Name	Reap	RA	n/y	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
42 13C10-cis-Heptachlor Epo	2.57e5	1.66	NO	0.04	1.000	33.04	1.348	56.7	113	0.149	
43 13C10-trans-Chlordane (g)	2.12e5	2.19	YES	0.03	1.000	33.98	1.306	59.2	126	0.217	
44 13C10-trans-Nonachlor	2.14e5	1.85	NO	0.04	1.000	34.18	1.394	58.9	118	0.186	
45 13C9-Endosulfan I (alpha)	2.03e5	1.91	NO	0.03	1.000	34.78	1.419	75.8	152	0.252	
46 13C12-2,4'-DDE	4.59e5	1.58	NO	0.86	1.000	34.69	0.996	51.2	102	0.0500	
47 13C12-4,4'-DDE	3.38e6	1.59	NO	0.64	1.000	35.80	1.028	51.7	103	0.0635	
48 13C12-Dieldrin	4.08e5	1.55	NO	0.07	1.000	36.27	1.041	54.1	108	0.152	
49 13C12-Endrin	3.40e5	1.59	NO	0.06	1.000	37.69	1.082	51.4	103	0.173	
50 13C10-cis-Nonachlor	2.42e5	1.81	NO	0.04	1.000	38.01	1.091	58.1	116	0.276	
51 13C9-Endosulfan I	1.40e5	2.13	YES	0.01	1.000	38.75	1.112	106	211	0.862	
52 13C12-2,4'-DDO	3.62e6	1.53	NO	0.70	1.000	36.97	1.508	53.7	107	0.0753	
53 13C12-2,4'-DDT	2.46e5	1.77	NO	0.38	1.000	38.11	1.554	63.0	126	0.137	
54 13C12-4,4'-DDO	3.40e5	1.55	NO	0.60	1.000	38.26	1.560	55.2	110	0.0869	
55 13C12-4,4'-DDT	2.00e5	1.56	NO	0.28	1.000	39.33	1.604	69.9	140	0.187	
56 13C9-Endosulfan Sulfate	9.98e4	1.57	NO	0.02	1.000	40.51	1.163	59.8	120	0.632	



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

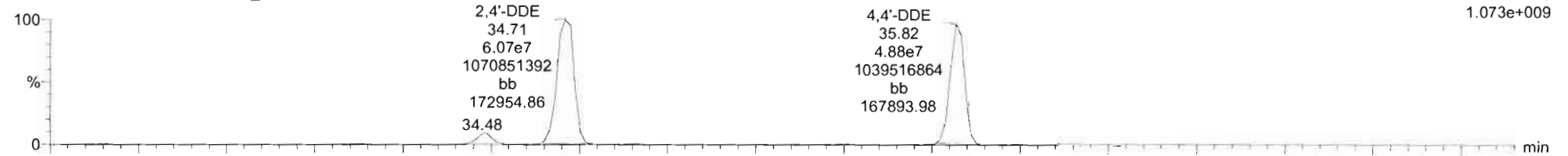
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

DDMU-DDE

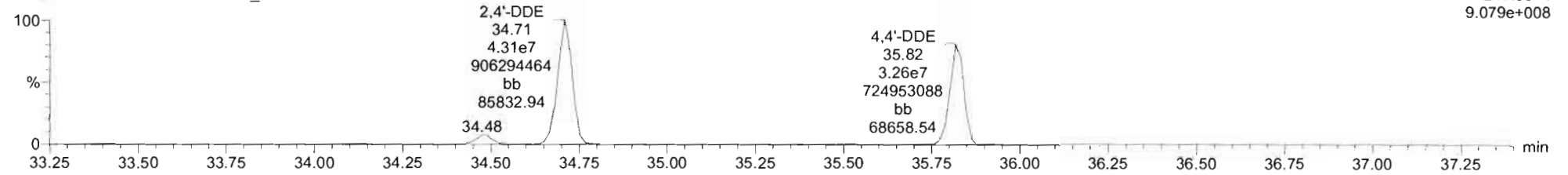
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F3:Voltage SIR,EI+
246.0003
1.073e+009



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

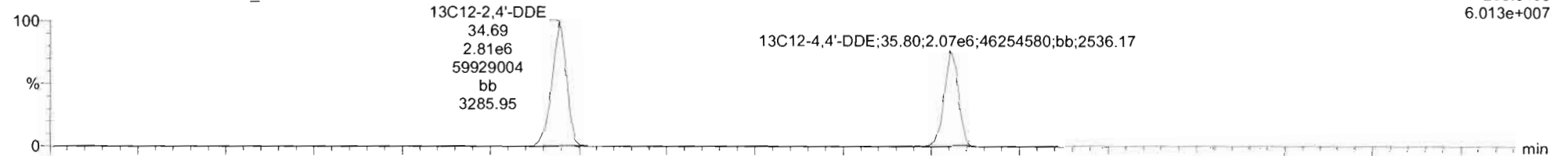
F3:Voltage SIR,EI+
247.9974
9.079e+008



DDE-isotopes

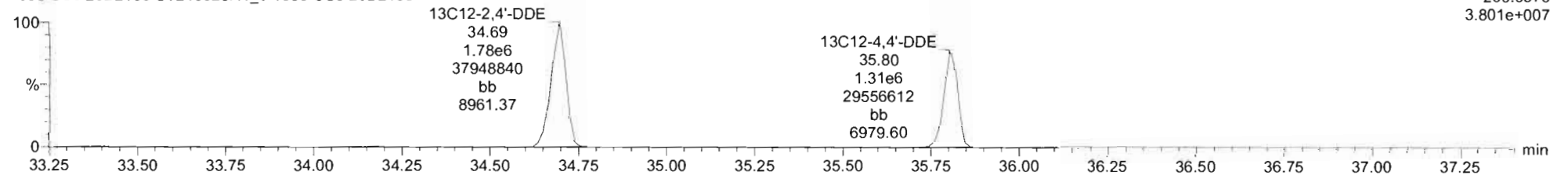
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F3:Voltage SIR,EI+
258.0406
6.013e+007



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F3:Voltage SIR,EI+
260.0376
3.801e+007



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

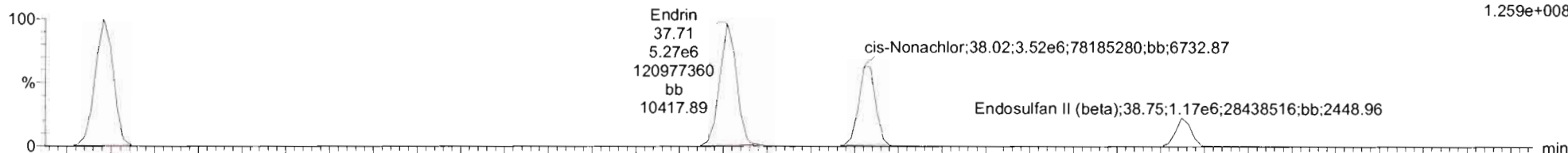
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

Dieldrin-EII

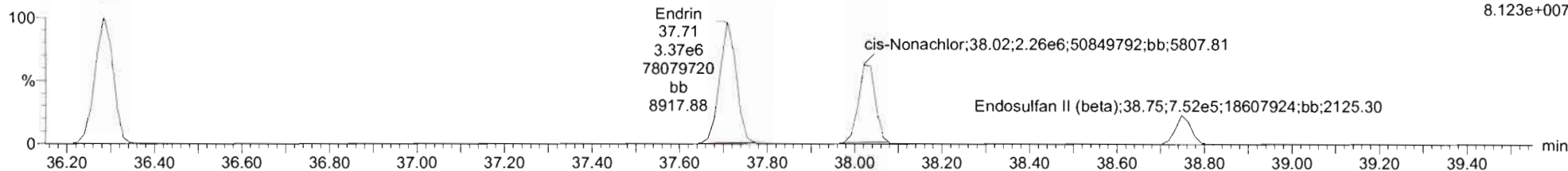
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F4:Voltage SIR,EI+
262.8569
1.259e+008



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

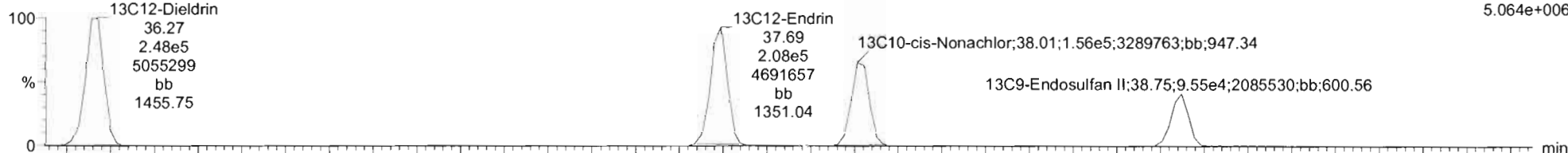
F4:Voltage SIR,EI+
264.8550
8.123e+007



Dieldrin-EII-isotopes

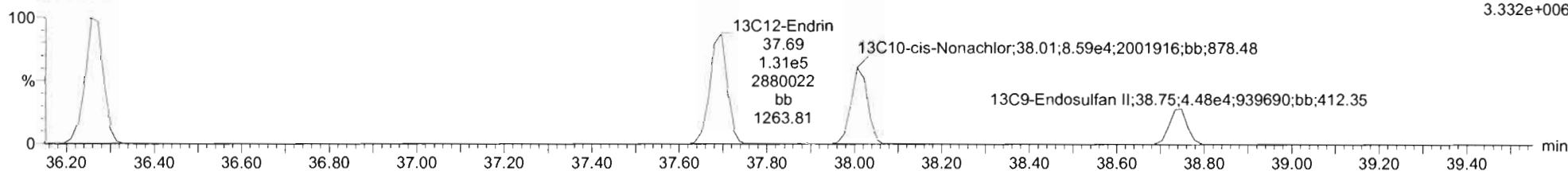
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F4:Voltage SIR,EI+
269.8804
5.064e+006



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F4:Voltage SIR,EI+
271.8775
3.332e+006



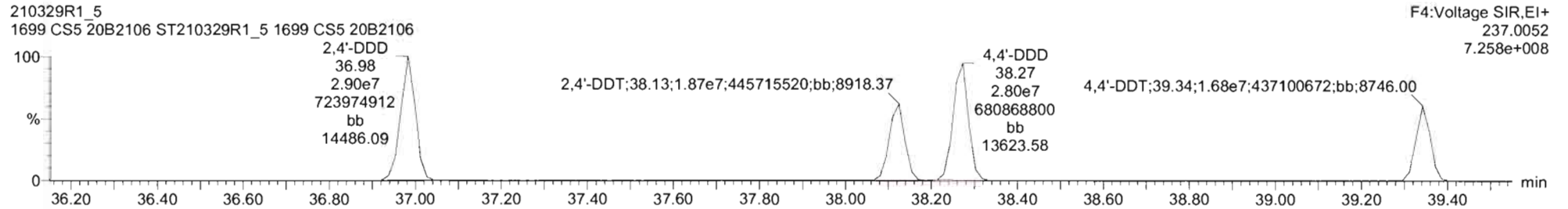
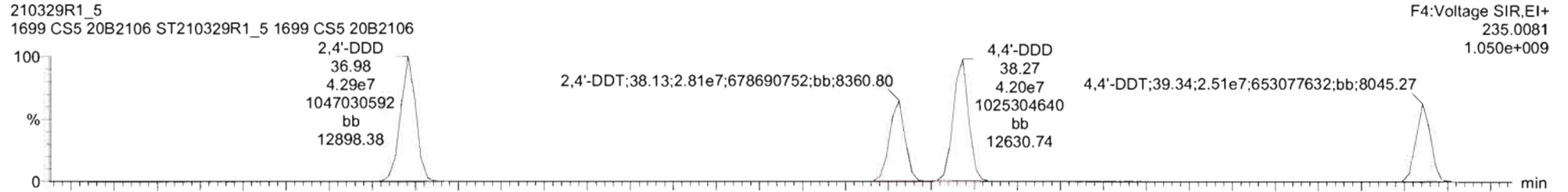
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Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

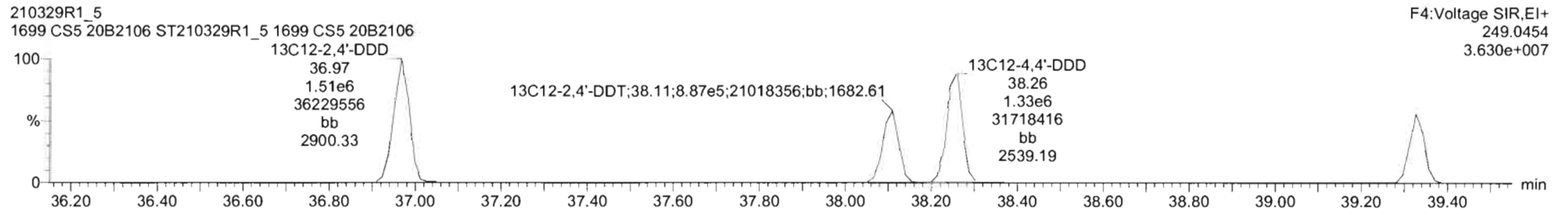
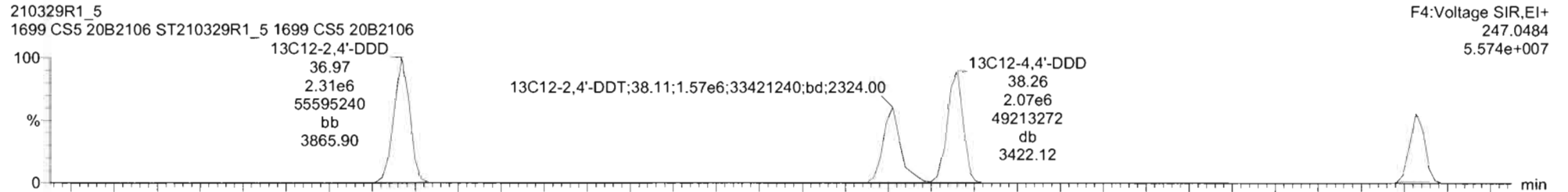
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Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

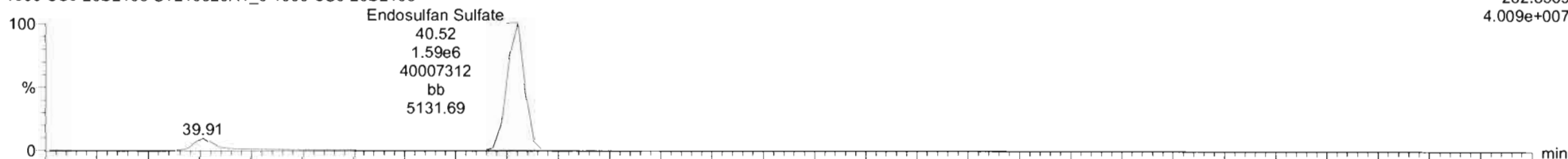
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

Endosulfan Sulfate

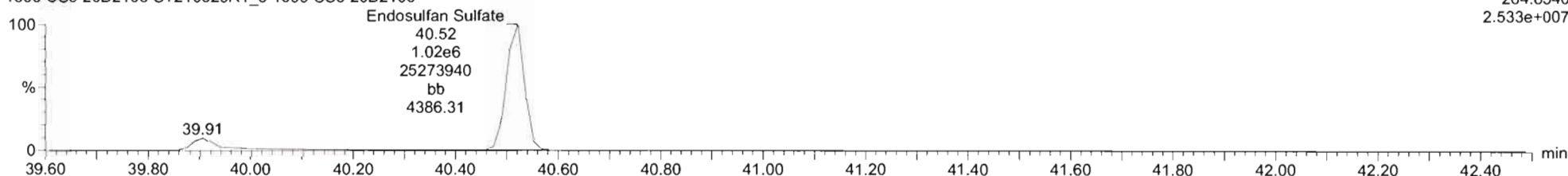
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
262.8569
4.009e+007



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
264.8540
2.533e+007



13C9-Endosulfan Sulfate

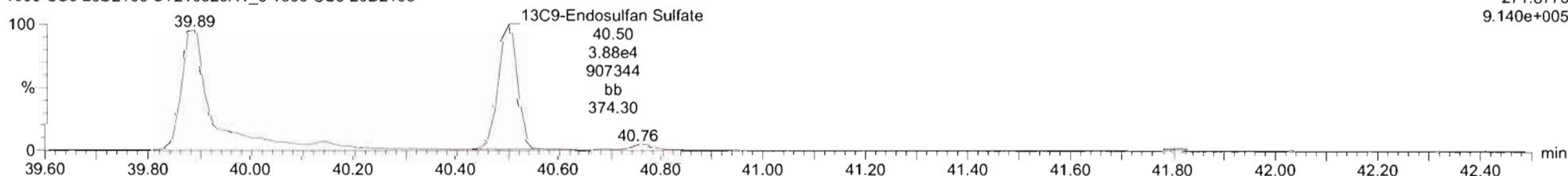
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
269.8804
1.480e+006



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
271.8775
9.140e+005



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

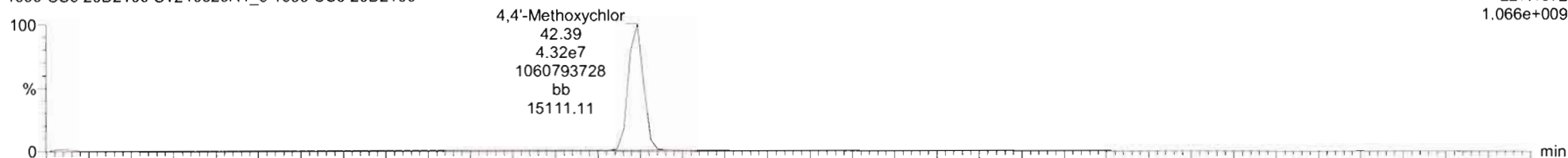
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Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

4,4'-Methoxychlor

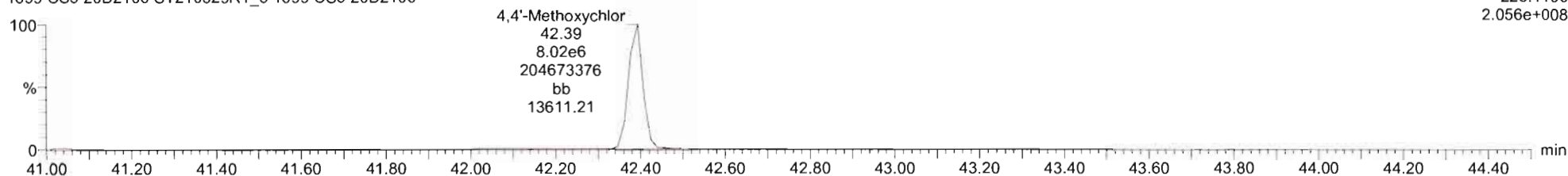
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
227.1072
1.066e+009



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

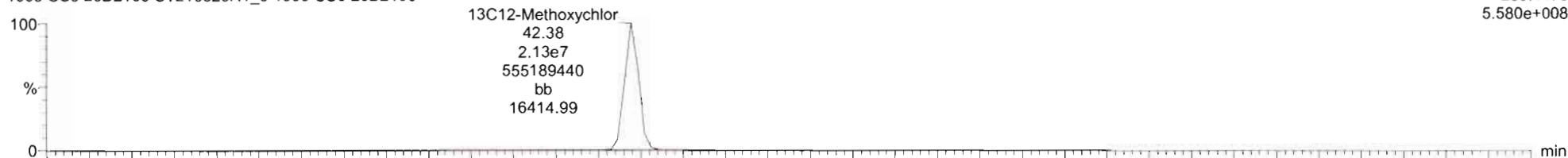
F5:Voltage SIR,EI+
228.1106
2.056e+008



13C12-Methoxychlor

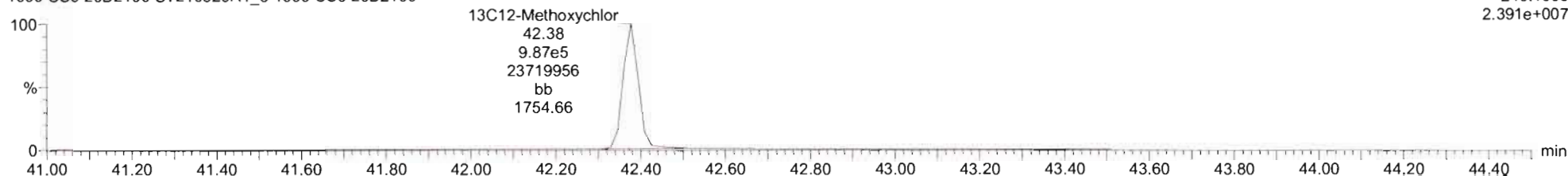
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
239.1475
5.580e+008



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
240.1508
2.391e+007



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

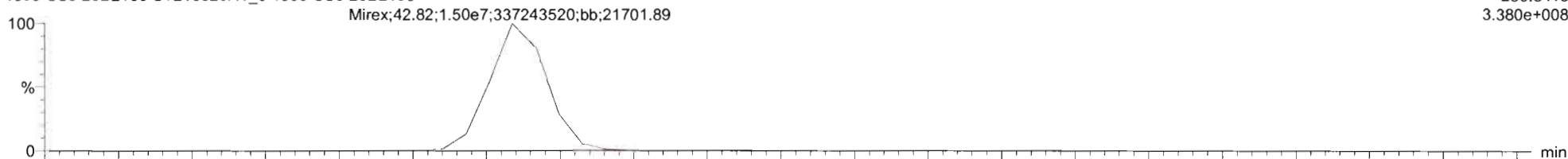
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Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

Mirex

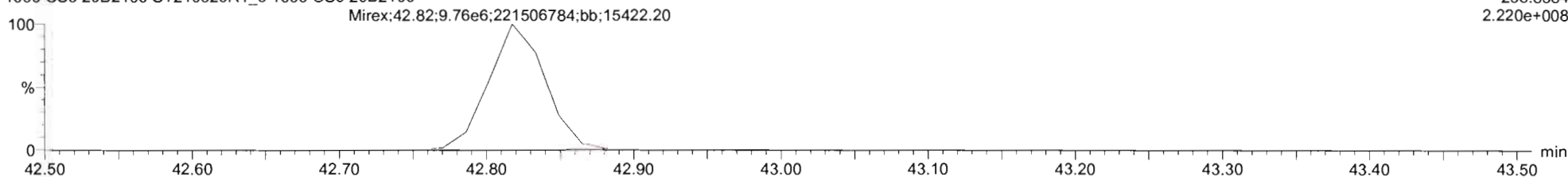
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
236.8413
3.380e+008



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

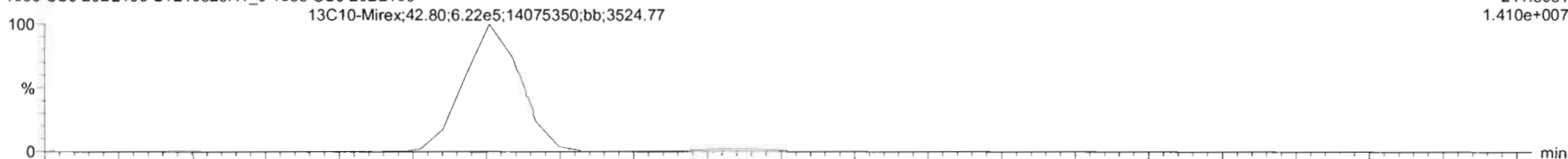
F5:Voltage SIR,EI+
238.8384
2.220e+008



13C10-Mirex

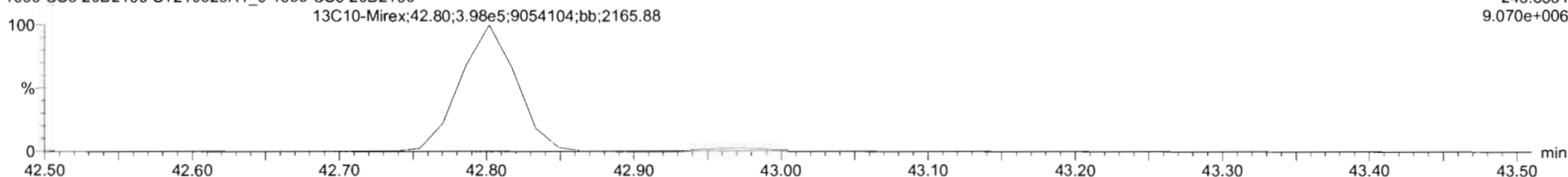
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
241.8581
1.410e+007



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
243.8551
9.070e+006



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

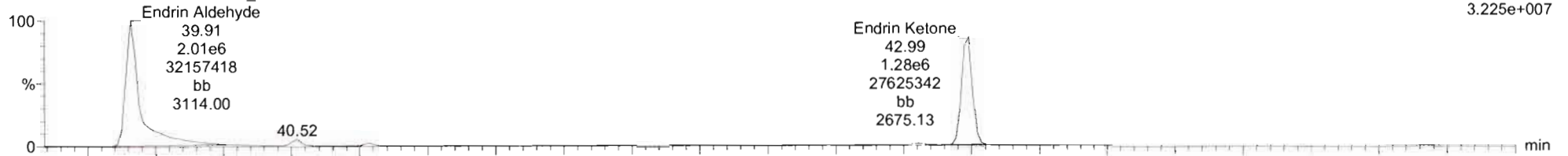
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

EA-EK

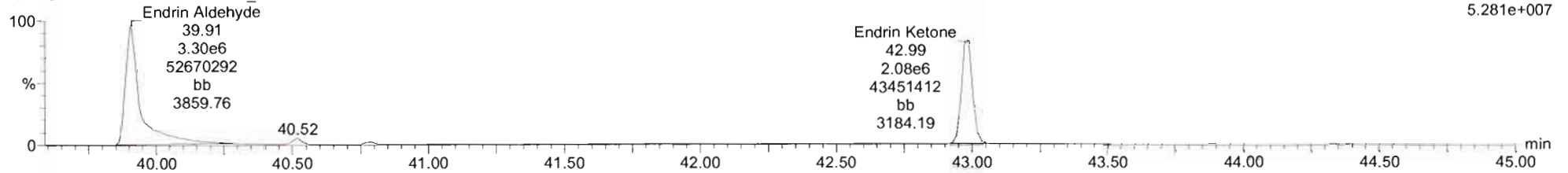
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
247.8521
3.225e+007



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

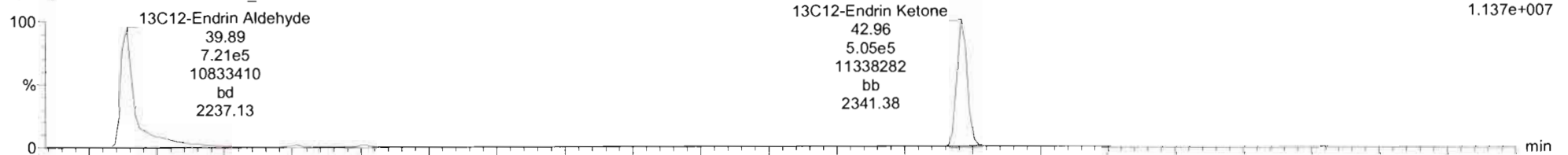
F5:Voltage SIR,EI+
249.8491
5.281e+007



EA-EK-isotopes

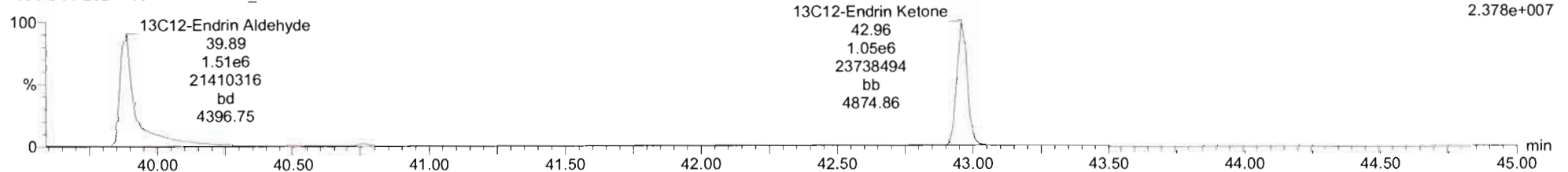
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
253.8722
1.137e+007

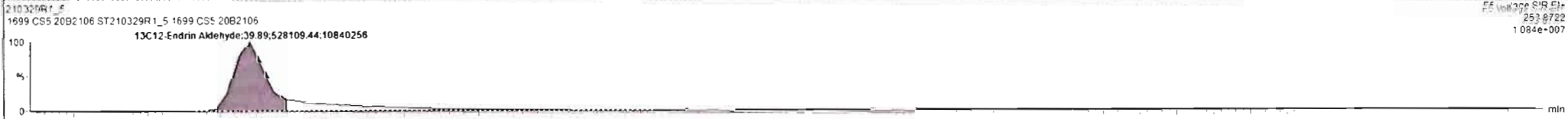
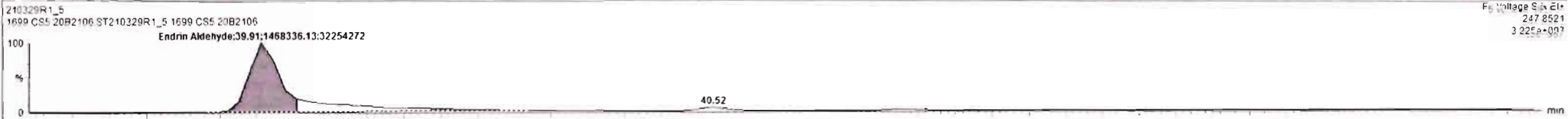


210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F5:Voltage SIR,EI+
255.8693
2.378e+007



Name	Resp	RA	nty	RRF	width	RT	RRT	Conc	%Rec	DL	EMPC
17 4,4'-DDMU	4.59e7	2.97	NO	0.42	1.000	24.49	0.994	1190	99.5	0.0202	1190
18 2,4'-DDE	1.04e8	1.41	NO	1.00	1.000	24.71	1.000	1140	94.6	0.021E	1140
19 4,4'-DDE	8.14e7	1.50	NO	1.01	1.000	35.82	1.000	1190	99.6	0.0275	1190
20 Dieldrin	9.75e6	1.55	NO	1.00	1.000	36.28	1.000	1190	99.4	0.306	1190
21 Endrin	8.64e6	1.56	NO	0.98	1.000	37.71	1.000	1300	105	0.341	1300
22 cis-Nonachlor	5.78e6	1.56	NO	1.01	1.000	38.02	1.000	1160	98.6	0.493	1160
23 Endosulfan I (beta)	1.92e6	1.56	NO	1.01	1.000	38.75	1.000	681	56.7	0.82E	681
24 2,4'-DDD	7.19e7	1.48	NO	0.78	1.000	36.98	1.000	1210	100	0.229	1210
25 2,4'-DDT	4.69e7	1.50	NO	0.75	1.000	38.13	1.000	1270	106	0.418	1270
26 4,4'-DDD	7.09e7	1.50	NO	0.85	1.000	38.27	1.000	1220	101	0.239	1220
27 4,4'-DDT	4.19e7	1.50	NO	0.84	1.000	39.34	1.000	1240	103	0.382	1240
28 Endosulfan Sulfate	2.61e6	1.56	NO	1.05	1.000	40.52	1.000	1250	104	0.670	1250
29 4,4'-Methoxychlor	5.12e7	5.39	NO	0.99	1.000	42.39	1.000	1170	97.1	0.186	1170
30 Mirex	2.48e7	1.54	NO	0.98	1.000	42.82	1.000	1240	103	0.165	1240
31 Endrin Aldehyde	3.86e6	0.81	NO	0.98	1.000	39.91	1.000	1240	103	0.93E	1240



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Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

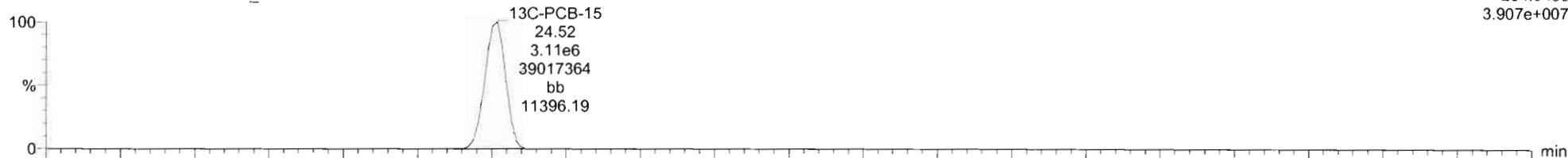
Printed: Wednesday, March 31, 2021 12:58:43 PM Pacific Daylight Time

Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

13C-PCB-15

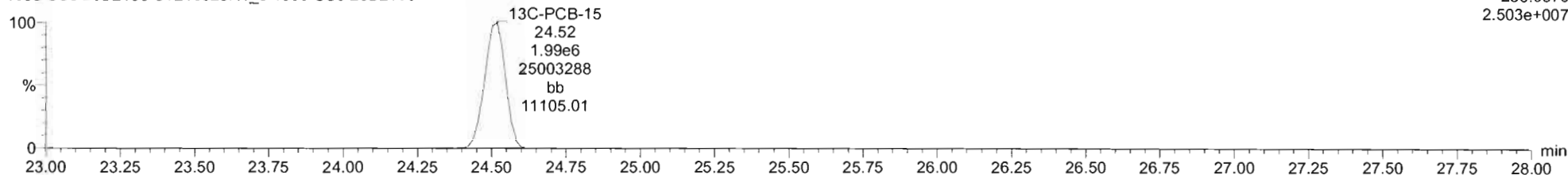
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F2:Voltage SIR,EI+
234.0406
3.907e+007



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

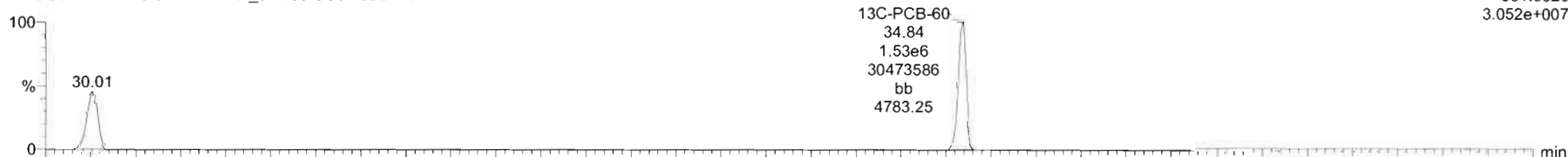
F2:Voltage SIR,EI+
236.0376
2.503e+007



13C-PCB-60

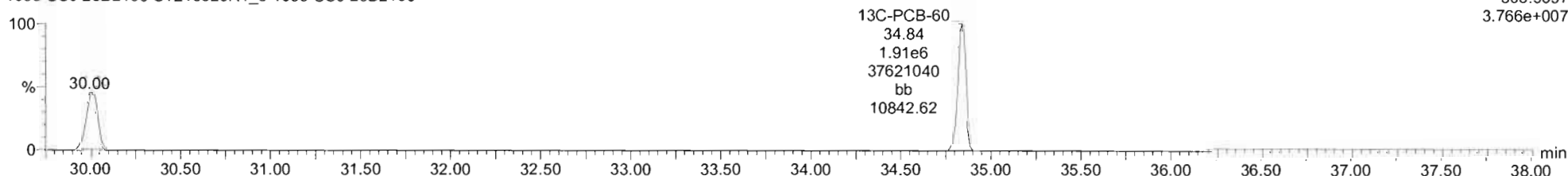
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F3:Voltage SIR,EI+
301.9626
3.052e+007



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F3:Voltage SIR,EI+
303.9597
3.766e+007



Dataset: Untitled

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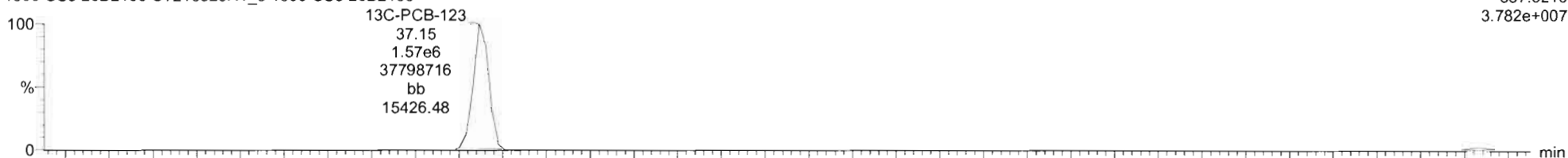
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13C-PCB-123

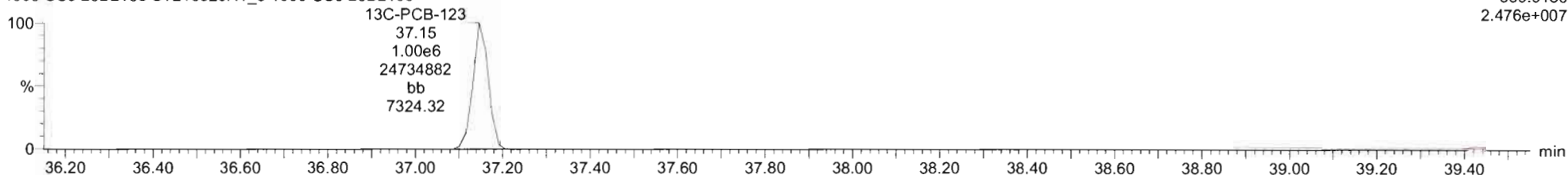
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F4:Voltage SIR,EI+
337.9210
3.782e+007



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

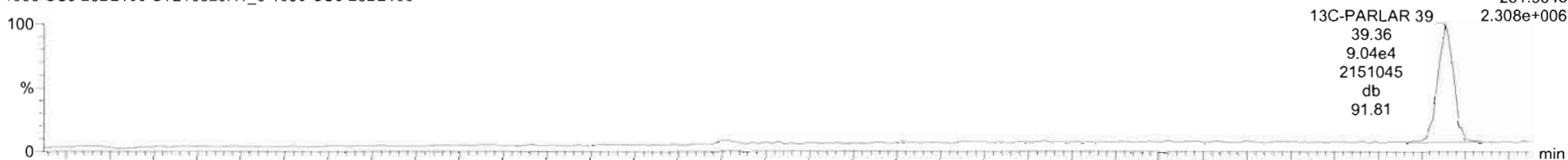
F4:Voltage SIR,EI+
339.9180
2.476e+007



13C-PARLAR 39

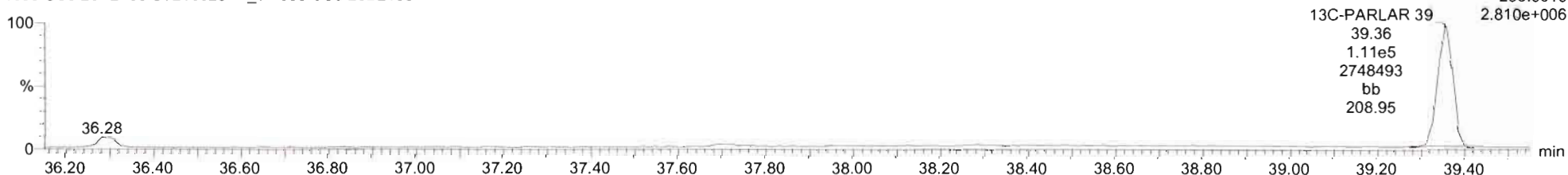
210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F4:Voltage SIR,EI+
251.9648
2.308e+006



210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F4:Voltage SIR,EI+
253.9619
2.810e+006



Dataset: Untitled

Last Altered: Wednesday, March 31, 2021 12:55:17 PM Pacific Daylight Time

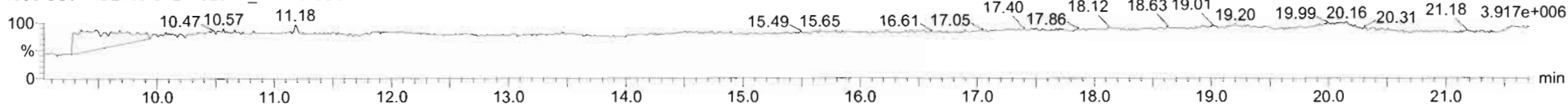
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Name: 210329R1_5, Date: 29-Mar-2021, Time: 20:45:40, ID: ST210329R1_5 1699 CS5 20B2106, Description: 1699 CS5 20B2106

PFK1

210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

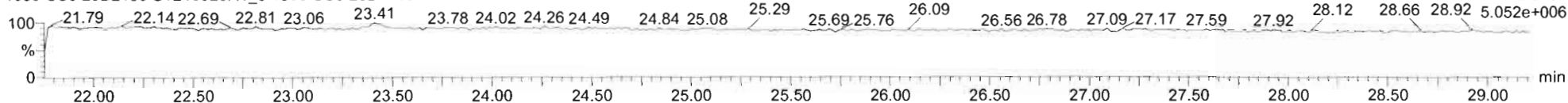
F1:Voltage SIR,EI+
268.9824



PFK2

210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F2:Voltage SIR,EI+
242.9856

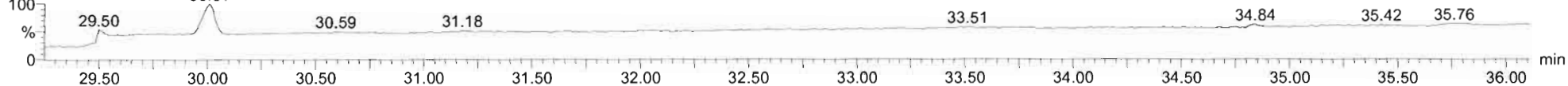


PFK3

210329R1_5
1699 CS5 20B2106 ST210329R1_5 1699 CS5 20B2106

F3:Voltage SIR,EI+
268.9824

8.487e+006

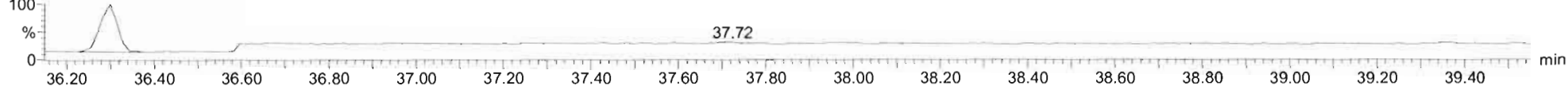


PFK4

210329R1_5
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F4:Voltage SIR,EI+
242.9856

7.485e+006

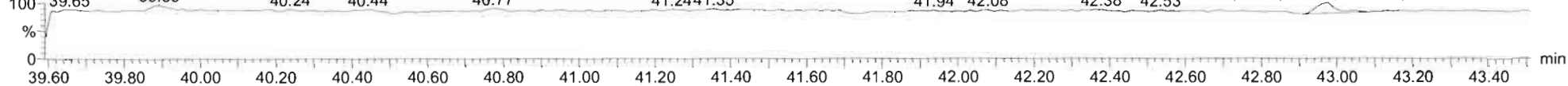


PFK5

210329R1_5
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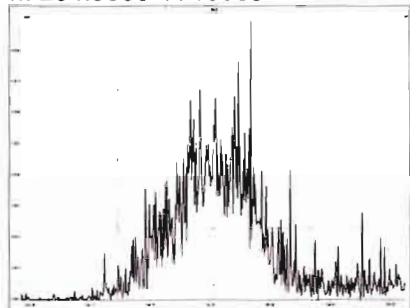
F5:Voltage SIR,EI+
242.9856

5.094e+006

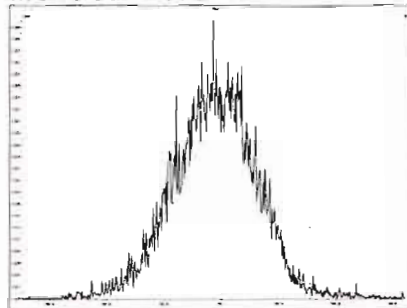


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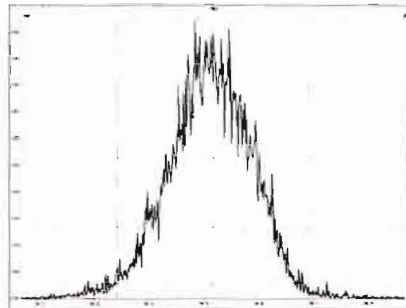
M 254.9856 R 10039



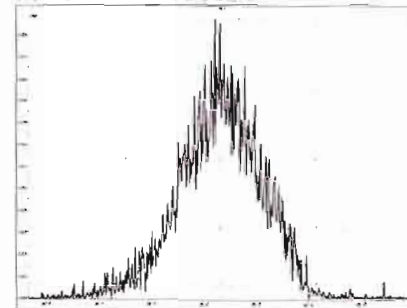
M 268.9824 R 8791



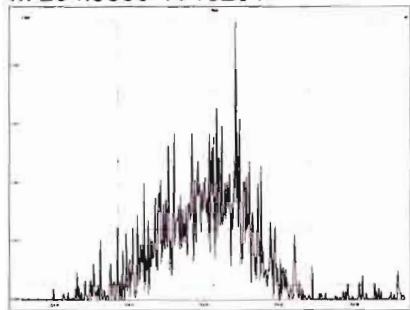
M 280.9824 R 8658



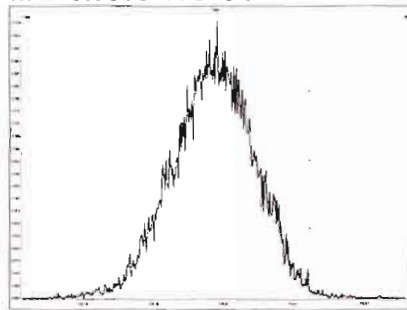
M 292.9824 R 9828



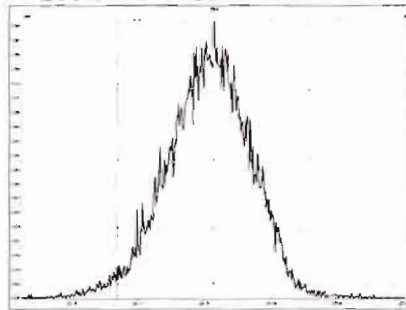
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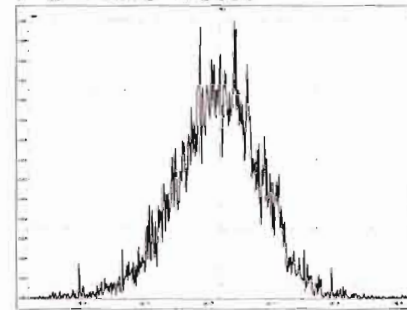
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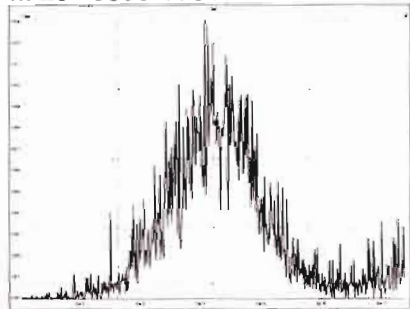
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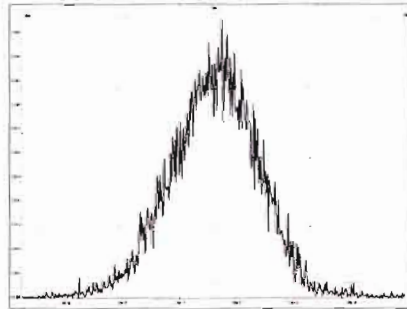
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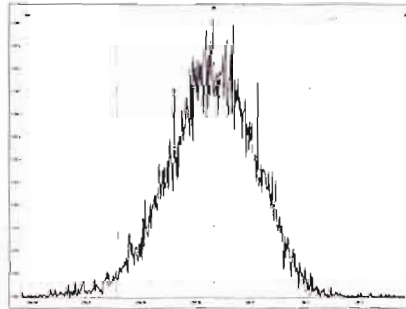
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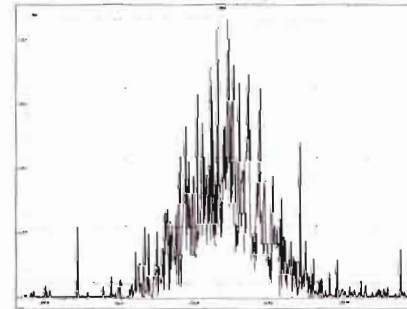
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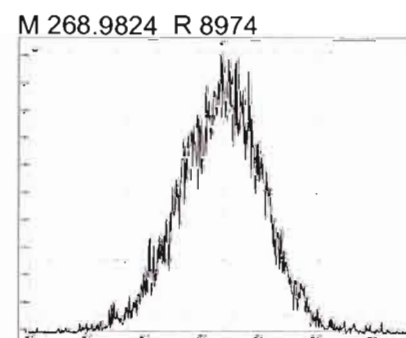
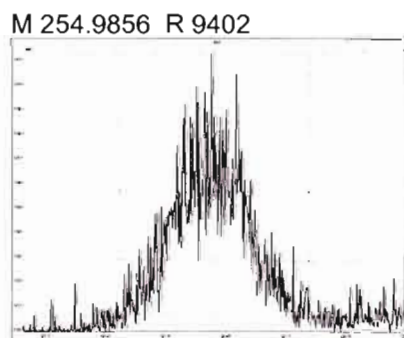
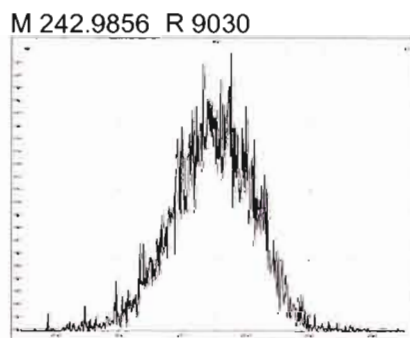
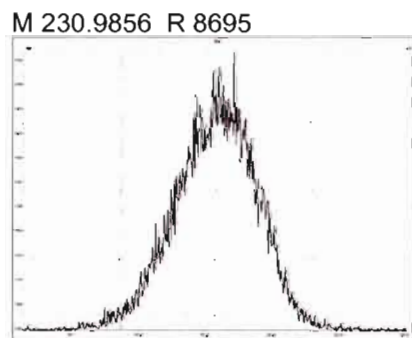
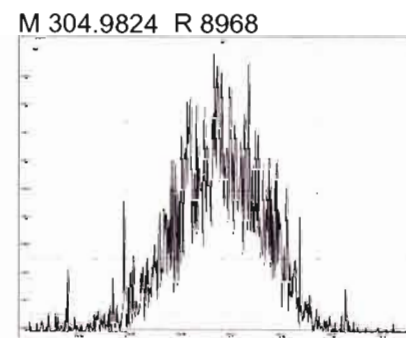
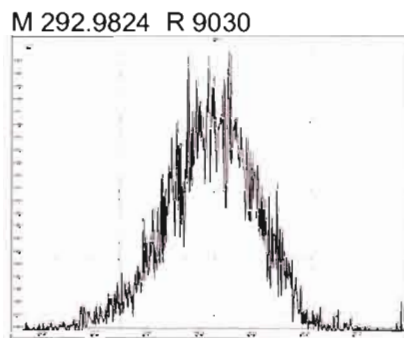
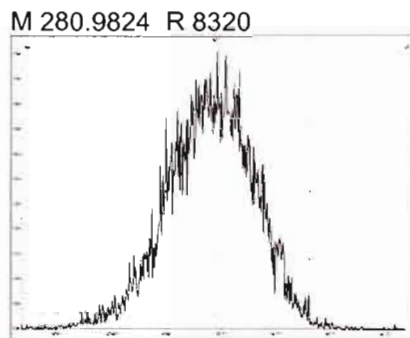
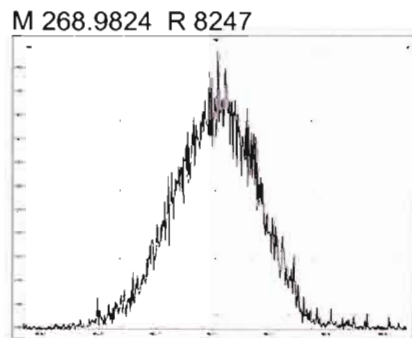
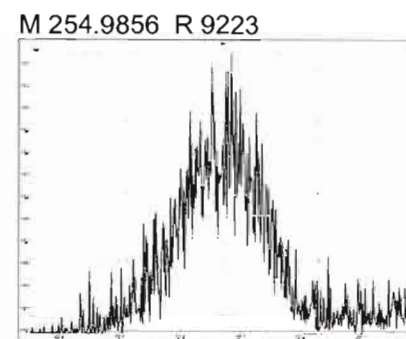
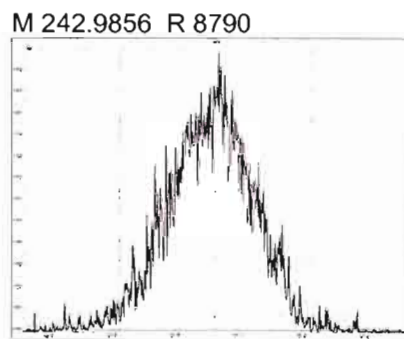
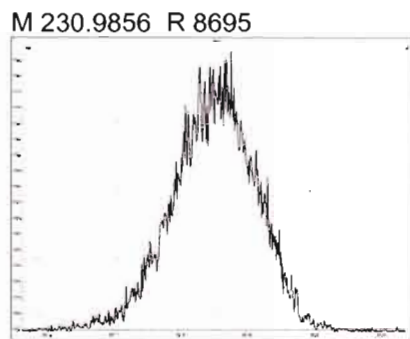
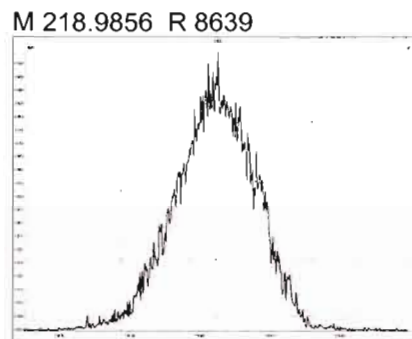
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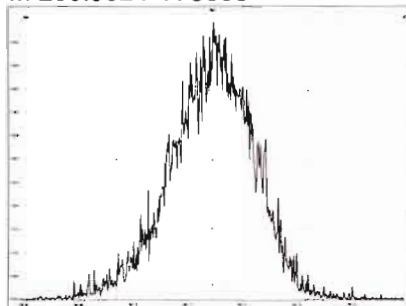


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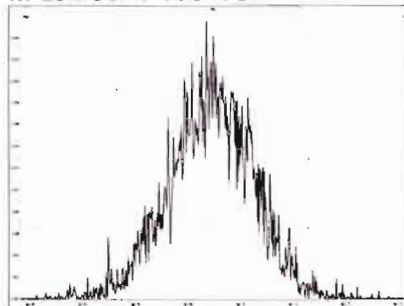


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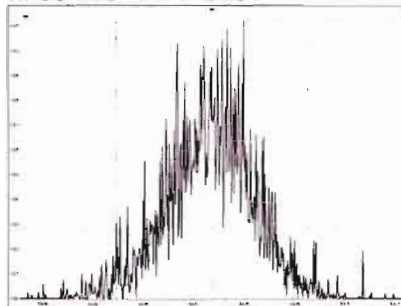
M 280.9824 R 8565



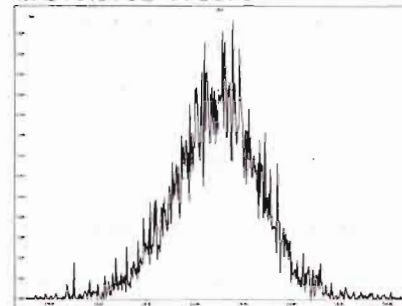
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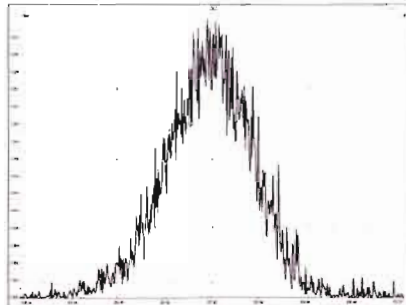
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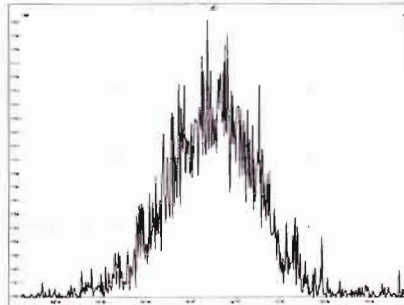
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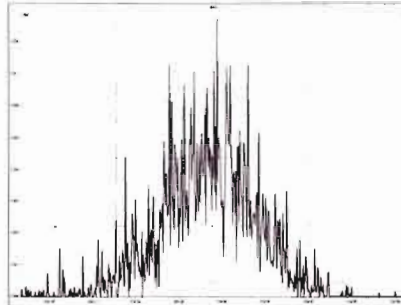
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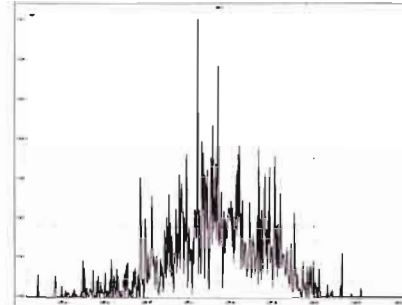
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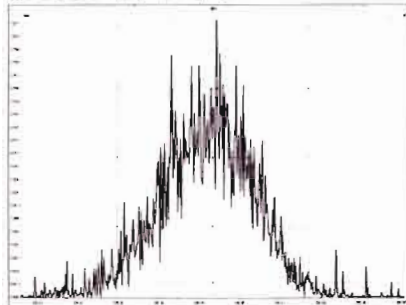
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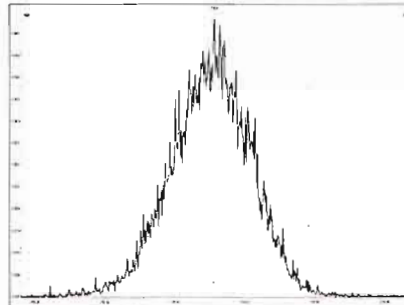
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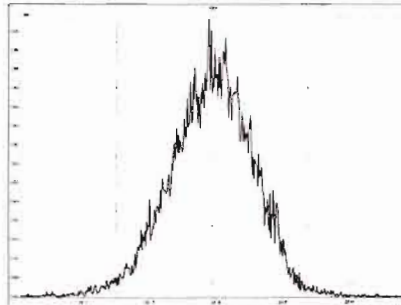
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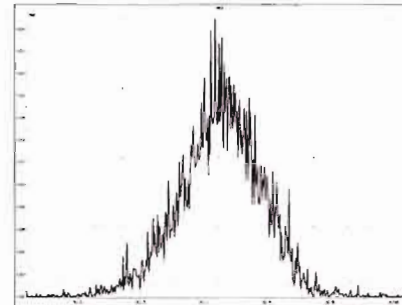
M 218.9856 R 8421



M 230.9856 R 8677

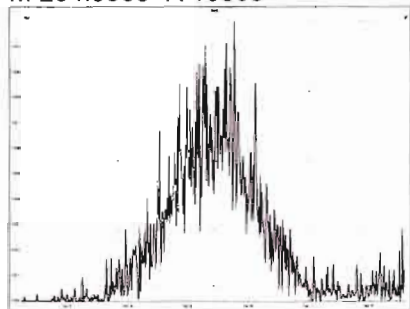


M 242.9856 R 9329

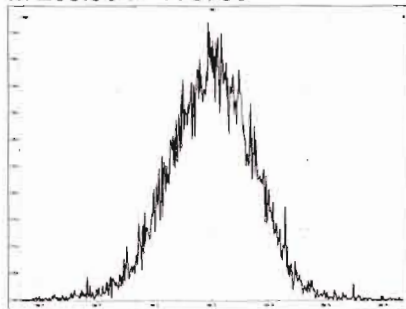


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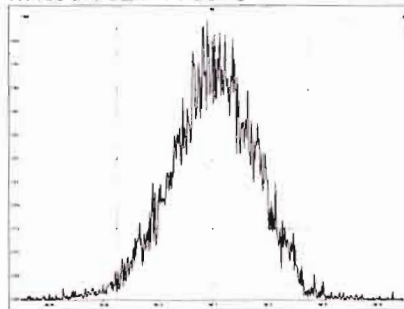
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M 268.9824 R 8753



M 280.9824 R 8375



Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 1:23:16 PM Pacific Daylight Time

Printed: Wednesday, March 31, 2021 1:23:38 PM Pacific Daylight Time

HN 03/31/21

HC 3.31.2021

Method: U:\VG12.PRO\MethDB\1699rrt-1-13-21.mdb 13 Jan 2021 12:55:57

Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

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#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	5.18e6	2.71e6	1.25	NO	0.945	1.000	21.40	21.40	1.001	1.001	NO	101	101	0.00144	101
2	3 Alpha-BHC	1.43e6	8.84e5	2.05	NO	0.781	1.000	21.94	21.93	1.001	1.002	NO	104	104	0.0353	104
3	4 Lindane (gamma-BHC)	1.07e6	6.61e5	2.06	NO	0.790	1.000	24.98	24.97	1.001	1.001	NO	103	103	0.0535	103
4	5 Beta-BHC	9.39e5	4.94e5	2.08	NO	0.925	1.000	27.13	27.15	1.001	1.000	NO	103	103	0.0599	103
5	6 Delta-BHC	1.03e6	5.76e5	2.06	NO	0.863	1.000	28.94	28.94	1.001	1.001	NO	104	104	0.0482	104
6	7 Heptachlor	7.14e5	3.31e5	1.25	NO	1.07	1.000	27.26	27.27	1.001	1.001	NO	101	101	0.0644	101
7	9 Aldrin	1.20e6	5.36e5	1.61	NO	1.09	1.000	29.50	29.51	1.001	1.001	NO	102	102	0.0341	102
8	10 Oxychlorane	2.86e5	1.28e5	1.59	NO	1.08	1.000	32.23	32.24	1.001	1.001	NO	103	103	0.119	103
9	11 cis-Heptachlor Epoxide	3.70e5	1.67e5	1.59	NO	1.09	1.000	33.05	33.06	1.001	1.001	NO	102	102	0.0855	102
10	12 trans-Heptachlor Epox...	9.21e4	1.67e5	1.63	NO	0.269	1.000	33.53	33.56	1.016	1.015	NO	103	103	0.347	103
11	13 trans-Chlordane (gam...	2.76e5	1.19e5	1.57	NO	1.13	1.000	33.98	33.99	1.001	1.001	NO	103	103	0.115	103
12	14 trans-Nonachlor	2.92e5	1.33e5	1.59	NO	1.04	1.000	34.20	34.20	1.000	1.001	NO	105	105	0.106	105
13	15 cis-Chlordane	3.20e5	1.33e5	1.61	NO	1.14	1.000	34.68	34.69	1.015	1.015	NO	105	105	0.0973	105
14	16 Endosulfan I (alpha)	2.14e5	9.68e4	1.58	NO	1.12	1.000	34.79	34.78	1.000	1.001	NO	98.8	98.8	0.139	98.8
15	18 2,4'-DDE	6.98e6	3.50e6	1.53	NO	1.01	1.000	34.69	34.71	1.001	1.000	NO	98.9	98.9	0.0257	98.9
16	19 4,4'-DDE	4.91e6	2.44e6	1.54	NO	1.01	1.000	35.82	35.82	1.000	1.000	NO	99.8	99.8	0.0342	99.8
17	20 Dieldrin	6.16e5	2.87e5	1.56	NO	1.00	1.000	36.27	36.28	1.001	1.000	NO	107	107	0.105	107
18	21 Endrin	4.57e5	2.25e5	1.55	NO	0.977	1.000	37.68	37.71	1.001	1.000	NO	104	104	0.133	104
19	22 cis-Nonachlor	3.17e5	1.52e5	1.57	NO	1.01	1.000	38.02	38.02	1.000	1.000	NO	103	103	0.178	103
20	23 Endosulfan II (beta)	9.96e4	5.01e4	1.61	NO	1.01	1.000	38.73	38.75	1.000	1.000	NO	98.5	98.5	0.556	98.5
21	24 2,4'-DDD	4.01e6	2.56e6	1.50	NO	0.779	1.000	36.95	36.98	1.001	1.000	NO	100	100	0.104	100
22	25 2,4'-DDT	2.44e6	1.46e6	1.50	NO	0.751	1.000	38.11	38.11	1.000	1.000	NO	112	112	0.171	112
23	26 4,4'-DDD	3.72e6	2.17e6	1.50	NO	0.843	1.000	38.26	38.26	1.000	1.000	NO	101	101	0.100	101
24	27 4,4'-DDT	2.09e6	1.23e6	1.50	NO	0.841	1.000	39.35	39.34	1.000	1.000	NO	101	101	0.174	101
25	28 Endosulfan Sulfate	1.46e5	6.60e4	1.63	NO	1.05	1.000	40.49	40.50	1.000	1.000	NO	105	105	0.351	105
26	29 4,4'-Methoxychlor	2.88e6	1.46e7	5.63	NO	0.993	1.000	42.38	42.39	1.000	1.000	NO	99.3	99.3	0.0487	99.3
27	30 Mirex	1.49e6	7.45e5	1.55	NO	0.979	1.000	42.82	42.81	1.000	1.000	NO	102	102	0.0702	102
28	31 Endrin Aldehyde	2.42e5	1.12e6	0.60	NO	0.972	1.000	39.89	39.90	1.001	1.000	NO	111	111	0.393	111
29	32 Endrin Ketone	2.39e5	1.14e6	0.60	NO	0.855	1.000	42.96	42.97	1.000	1.000	NO	123	123	0.375	123
30	34 13C6-Hexachlorobenz...	2.71e6	4.33e6	1.27	NO	0.664	1.000	21.40	21.38	0.873	0.873	NO	47.0	94.0	0.00146	
31	35 13C6-Alpha-BHC	8.84e5	4.33e6	0.77	NO	0.223	1.000	21.90	21.90	0.894	0.894	NO	45.7	91.4	0.0591	

Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 1:23:16 PM Pacific Daylight Time

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Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (gamma)	6.61e5	4.33e6	0.78	NO	0.168	1.000	24.95	24.95	1.018	1.018	NO	45.3	90.650-150%	0.0785	
33	37 13C6-Beta-BHC	4.94e5	4.33e6	0.78	NO	0.129	1.000	27.11	27.12	1.107	1.107	NO	44.1	88.3	0.102	
34	38 13C6-Delta-BHC	5.76e5	4.33e6	0.78	NO	0.151	1.000	28.89	28.92	1.180	1.179	NO	44.1	88.3	0.0877	
35	39 13C10-Heptachlor	3.31e5	4.33e6	1.26	NO	0.0852	1.000	27.22	27.23	1.112	1.111	NO	44.8	89.6	0.0359	
36	40 13C12-Aldrin	5.36e5	4.33e6	1.71	NO	0.135	1.000	29.45	29.47	1.203	1.202	NO	45.8	91.6	0.0332	
37	41 13C10-Oxychlorane	1.28e5	4.33e6	1.68	NO	0.0343	1.000	32.17	32.21	1.315	1.313	NO	43.0	86.1	0.131	
38	42 13C10-cis-Heptachlor ...	1.67e5	4.33e6	1.68	NO	0.0445	1.000	32.98	33.03	1.348	1.346	NO	43.2	86.5	0.101	
39	43 13C10-trans-Chlordan...	1.19e5	4.33e6	1.71	NO	0.0305	1.000	33.92	33.96	1.386	1.385	NO	45.1	90.1	0.147	
40	44 13C10-trans-Nonachlor	1.33e5	4.33e6	1.71	NO	0.0356	1.000	34.13	34.18	1.395	1.393	NO	43.3	86.6	0.126	
41	45 13C9-Endosulfan I (al...	9.68e4	4.33e6	1.71	NO	0.0263	1.000	34.71	34.77	1.419	1.417	NO	42.5	84.9	0.170	
42	46 13C12-2,4'-DDE	3.50e6	4.33e6	1.58	NO	0.875	1.000	34.70	34.68	0.996	0.996	NO	46.2	92.5	0.0501	
43	47 13C12-4,4'-DDE	2.44e6	4.33e6	1.58	NO	0.637	1.000	35.80	35.80	1.028	1.028	NO	44.2	88.3	0.0688	
44	48 13C12-Dieldrin	2.87e5	4.33e6	1.60	NO	0.0741	1.000	36.25	36.25	1.041	1.041	NO	44.8	89.6	0.128	
45	49 13C12-Endrin	2.25e5	4.33e6	1.59	NO	0.0648	1.000	37.67	37.68	1.082	1.082	NO	40.1	80.2	0.147	
46	50 13C10-cis-Nonachlor	1.52e5	4.33e6	1.59	NO	0.0408	1.000	37.99	38.01	1.091	1.091	NO	42.9	85.9	0.234	
47	51 13C9-Endosulfan II	5.01e4	4.33e6	1.74	NO	0.0130	1.000	38.71	38.73	1.112	1.112	NO	44.4	88.8	0.730	
48	52 13C12-2,4'-DDD	2.56e6	4.33e6	1.56	NO	0.687	1.000	36.90	36.95	1.508	1.506	NO	43.0	86.1	0.0838	
49	53 13C12-2,4'-DDT	1.46e6	4.33e6	1.57	NO	0.383	1.000	38.03	38.09	1.555	1.552	NO	44.0	88.0	0.150	
50	54 13C12-4,4'-DDD	2.17e6	4.33e6	1.55	NO	0.592	1.000	38.16	38.24	1.561	1.558	NO	42.4	84.7	0.0972	
51	55 13C12-4,4'-DDT	1.23e6	4.33e6	1.57	NO	0.281	1.000	39.25	39.33	1.605	1.602	NO	50.6	101	0.205	
52	56 13C9-Endosulfan Sulf...	6.60e4	4.33e6	1.53	NO	0.0163	1.000	40.47	40.49	1.163	1.162	NO	46.6	93.2	0.657	
53	57 13C12-Methoxychlor	1.46e7	4.33e6	20.52	NO	0.297	1.000	42.35	42.38	1.217	1.216	NO	568	114	0.169	
54	58 13C10-Mirex	7.45e5	4.33e6	1.58	NO	0.177	1.000	42.78	42.80	1.229	1.229	NO	48.6	97.1	0.0946	
55	59 13C12-Endrin Aldehyde	1.12e6	4.33e6	0.46	NO	0.0292	1.000	39.86	39.87	1.145	1.145	NO	442	88.5	0.811	
56	60 13C12-Endrin Ketone	1.14e6	4.33e6	0.47	NO	0.0271	1.000	42.92	42.96	1.234	1.232	NO	485	97.1	0.874	
57	62 13C-PCB-15	4.33e6	4.33e6	1.56	NO	1.00	1.000	24.55	24.50	1.000	1.000	NO	50.0	100	0.0108	

Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

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Printed: Wednesday, March 31, 2021 12:40:03 PM Pacific Daylight Time

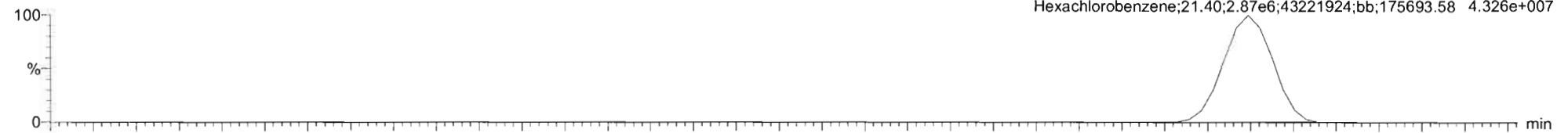
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Calibration: U:\VG12.PRO\CurveDB\dbZB50_1699vg12-03-29-21-LIMITED.cdb 31 Mar 2021 11:34:52

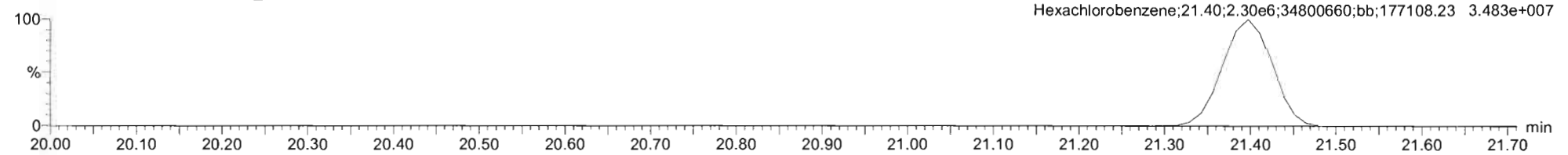
Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

Hexachlorobenzene

210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

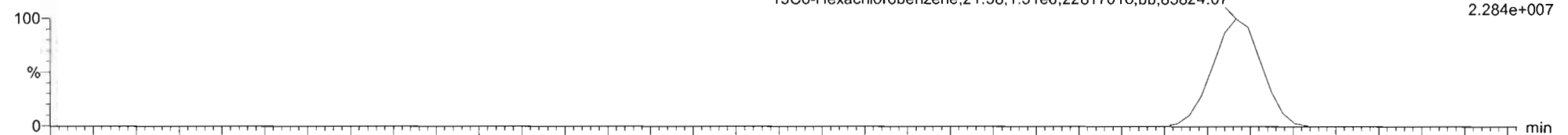


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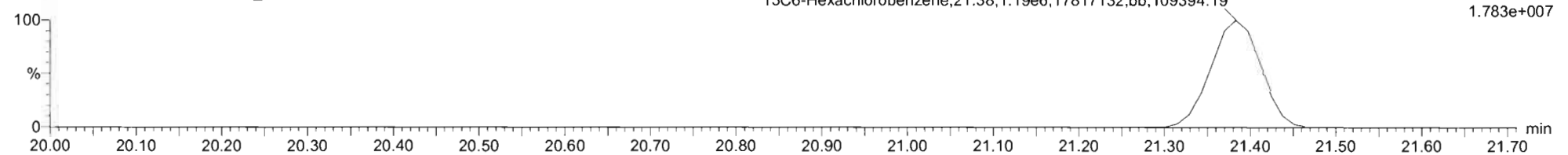


13C6-Hexachlorobenzene

210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107



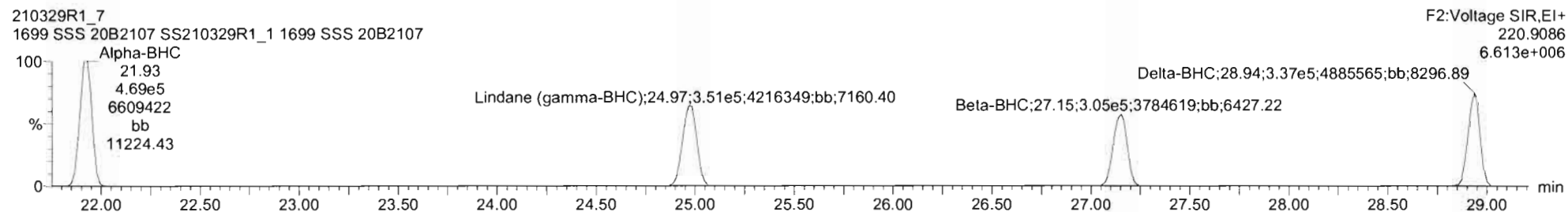
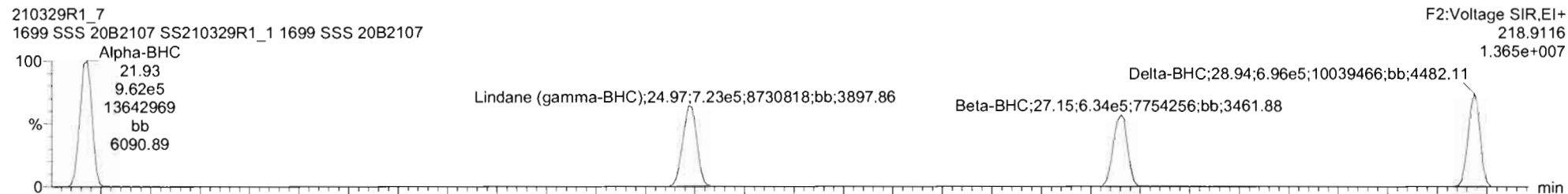
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Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

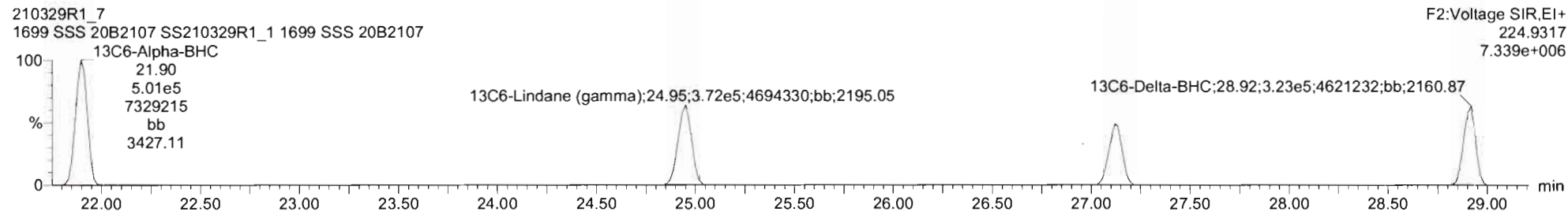
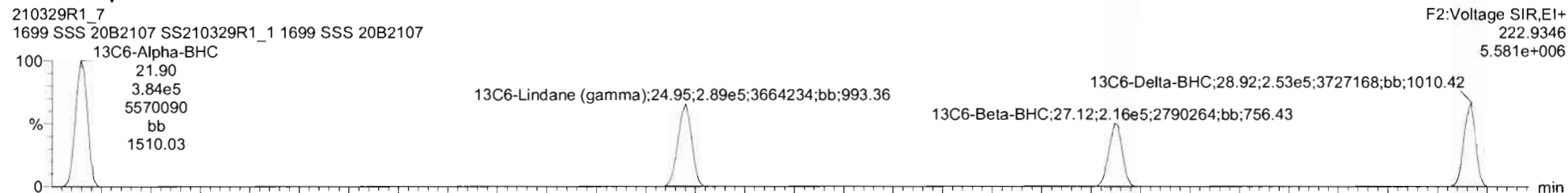
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Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

BHC Totals



BHC-isotopes



Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

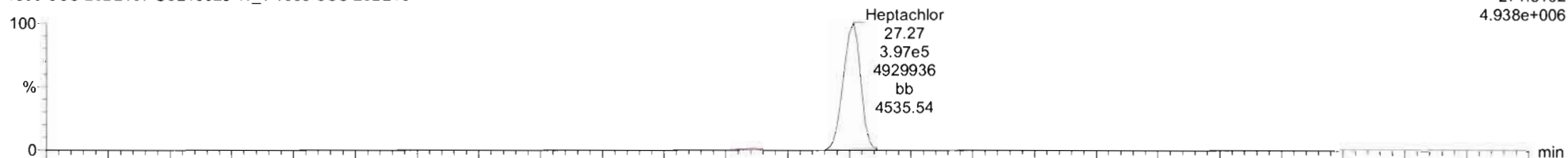
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Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

Heptachlor

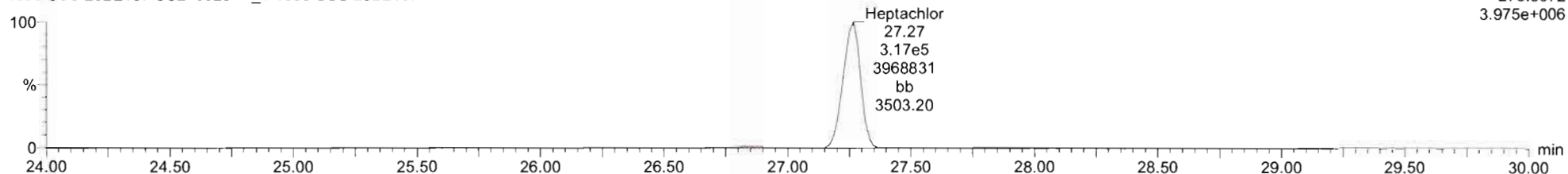
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F2:Voltage SIR,EI+
271.8102
4.938e+006



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

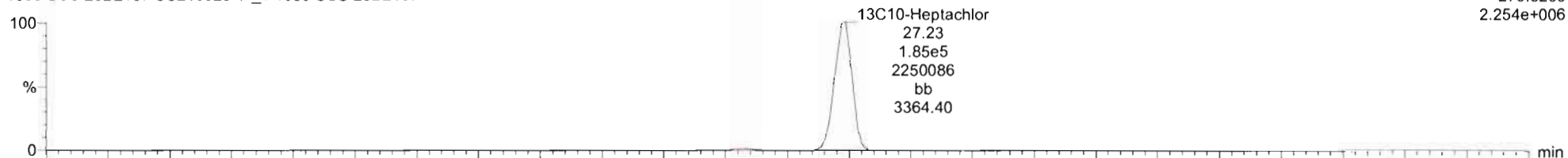
F2:Voltage SIR,EI+
273.8072
3.975e+006



13C10-Heptachlor

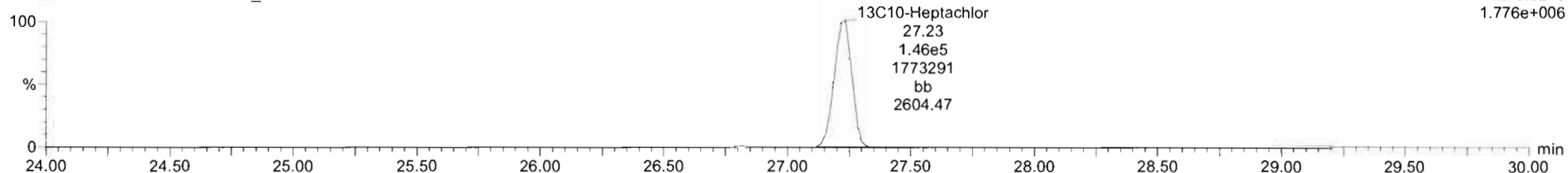
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F2:Voltage SIR,EI+
276.8269
2.254e+006



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F2:Voltage SIR,EI+
278.8240
1.776e+006



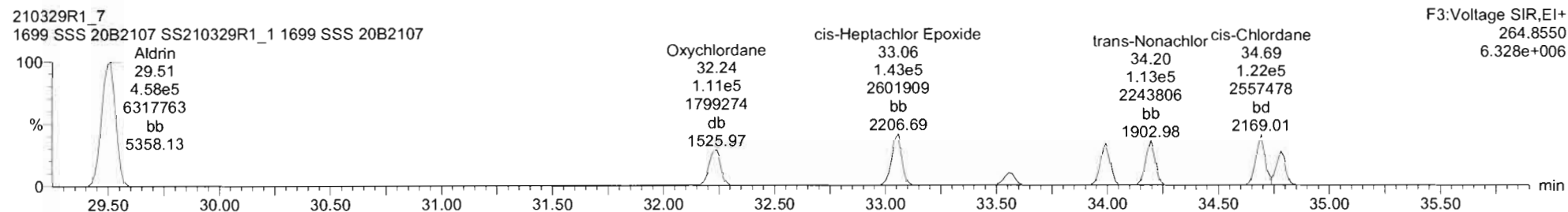
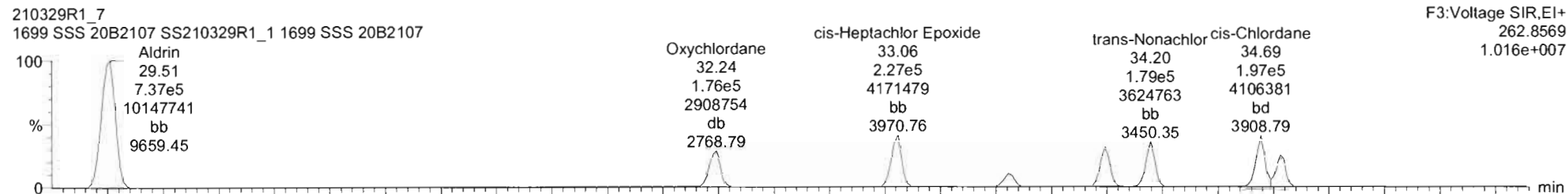
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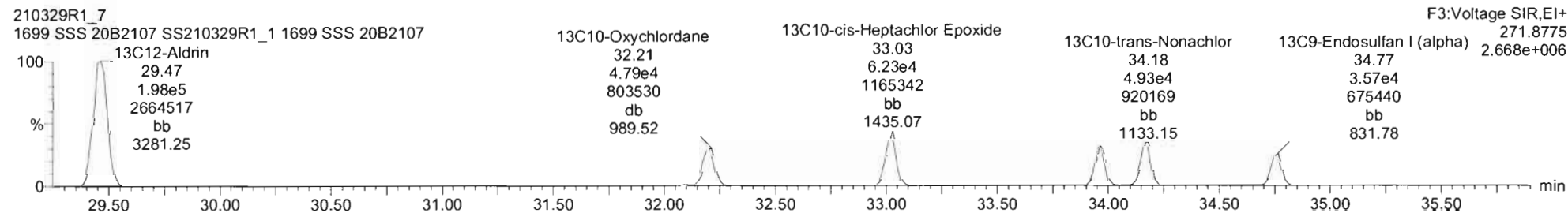
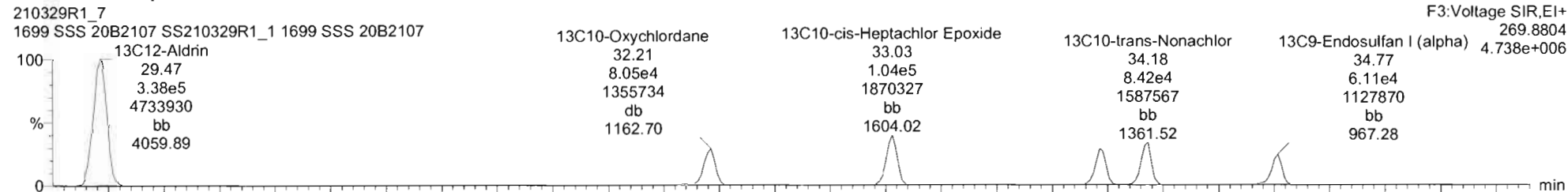
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Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

Aldrin-EI

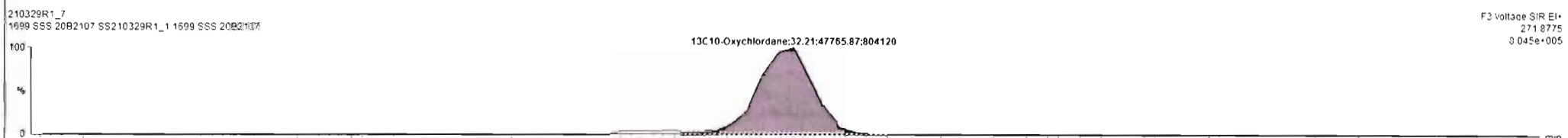
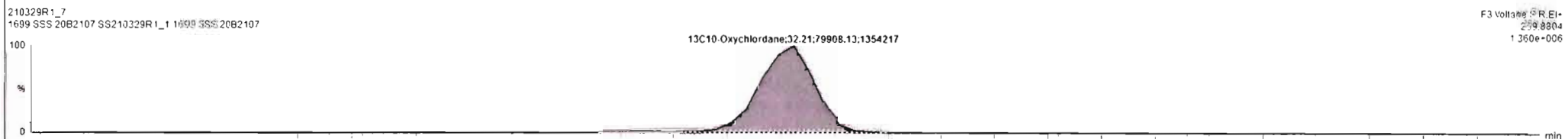
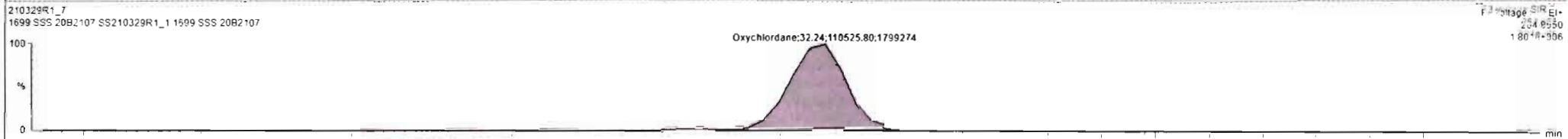
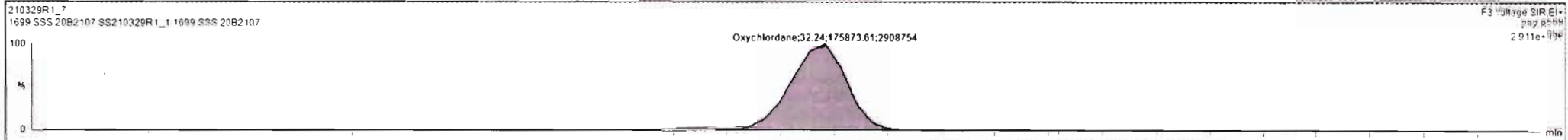


Aldrin-EI-isotopes



210329R1_7 - SS210329R1_1 1699 SSS 20B2107 - 1699 SSS 20B2107

#	Name	Reso	IS Reso	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
10	Oxychlorane	2.86e5	1.28e5	41	1.59	NO	1.0838	1.000	32.23	32.24	1.001	1.001	NO	103	103	0.119	103
11	cis-Heptachlor Epoxide	3.70e5	1.67e5	42	1.59	NO	1.0916	1.000	33.05	33.06	1.001	1.001	NO	102	102	0.0856	102
12	trans-Heptachlor Epoxide	9.21e4	1.67e5	42	1.63	NO	0.2687	1.000	33.53	33.56	1.016	1.015	NO	103	103	0.347	103
13	trans-Chlordane (gamma)	2.76e5	1.19e5	43	1.57	NO	1.1262	1.000	33.98	33.99	1.001	1.001	NO	103	103	0.115	103
14	trans-Nonachlor	2.92e5	1.33e5	44	1.59	NO	1.0419	1.000	34.20	34.20	1.000	1.001	NO	105	105	0.106	105
15	cis-Chlordane	3.20e5	1.33e5	44	1.61	NO	1.1385	1.000	34.68	34.69	1.015	1.015	NO	105	105	0.0973	105
16	Endosulfan (alpha)	2.14e5	9.68e4	45	1.58	NO	1.1176	1.000	34.79	34.78	1.000	1.001	NO	98.8	98.8	0.139	98.8
17	4,4-DDMU	1.47e3	3.50e6	46		NO	0.4187	1.000	34.48	34.47	0.994	0.994	NO	0.9501	0.0501	0.0196	0.0501
18	2,4-DDE	6.98e6	3.50e6	46	1.53	NO	0.9959	1.000	34.69	34.71	1.001	1.000	NO	100	100	0.0260	100
19	4,4-DDE	4.91e6	2.44e6	47	1.54	NO	1.0085	1.000	35.82	35.82	1.000	1.000	NO	99.8	99.8	0.0342	99.8



Regdx 31.55 31.60 31.65 31.70 31.75 31.80 31.85 31.90 31.95 32.00 32.05 32.10 32.15 32.20 32.25 32.30 32.35 32.40 32.45 32.50 32.55 32.60 32.65 32.70 32.75 32.80 32.85 32.90 min
 210329R1_7 CAP NUM

Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

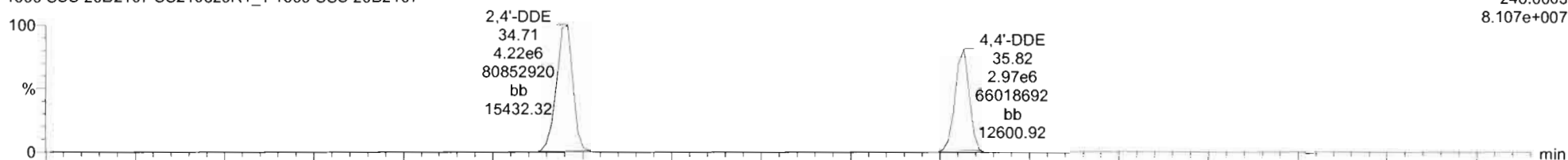
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Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

DDMU-DDE

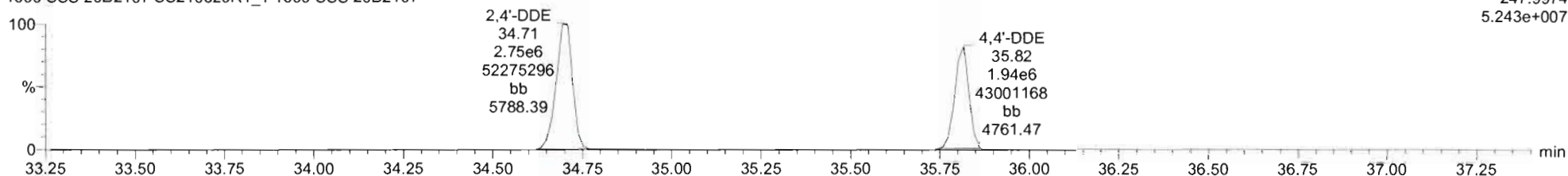
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F3:Voltage SIR,EI+
246.0003
8.107e+007



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

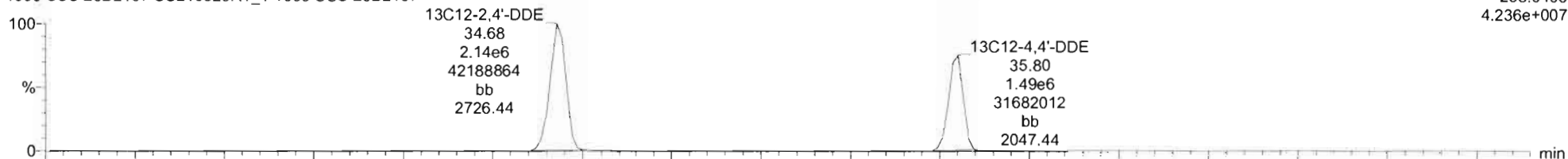
F3:Voltage SIR,EI+
247.9974
5.243e+007



DDE-isotopes

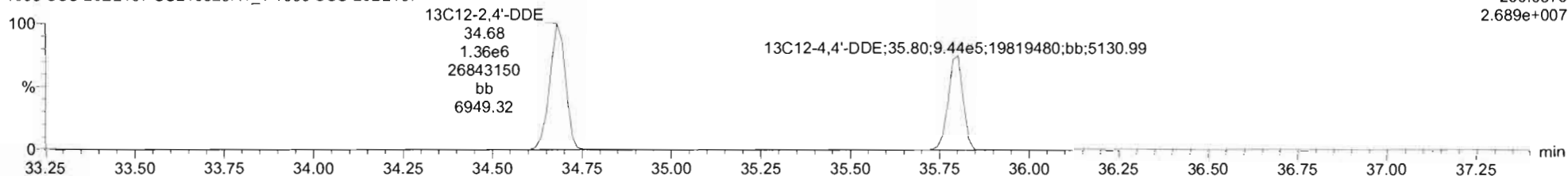
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1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F3:Voltage SIR,EI+
258.0406
4.236e+007



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F3:Voltage SIR,EI+
260.0376
2.689e+007



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Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

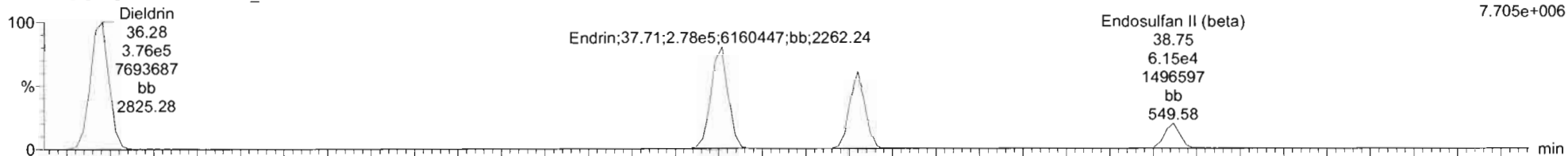
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Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

Dieldrin-EII

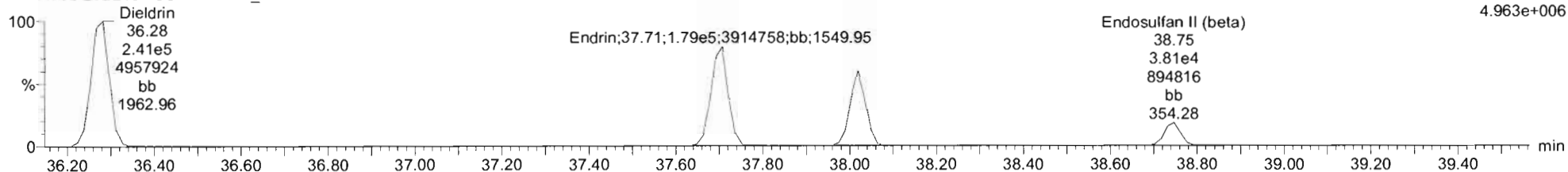
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F4:Voltage SIR,EI+
262.8569
7.705e+006



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

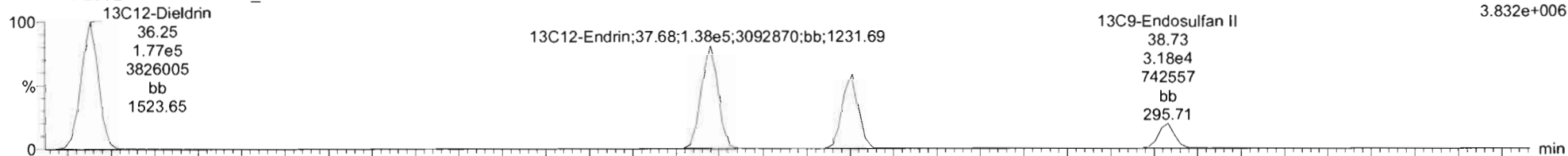
F4:Voltage SIR,EI+
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4.963e+006



Dieldrin-EII-isotopes

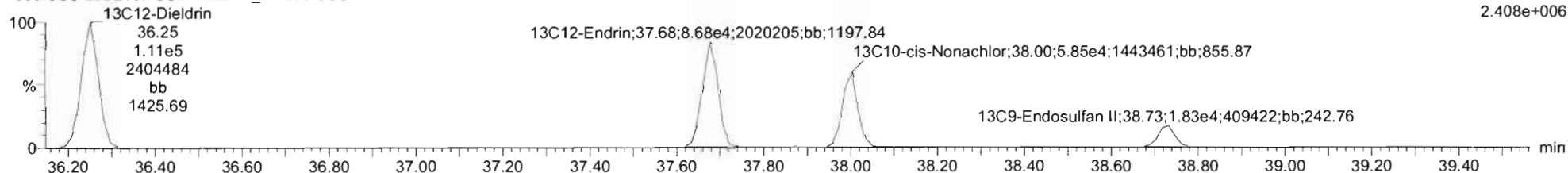
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F4:Voltage SIR,EI+
269.8804
3.832e+006



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F4:Voltage SIR,EI+
271.8775
2.408e+006



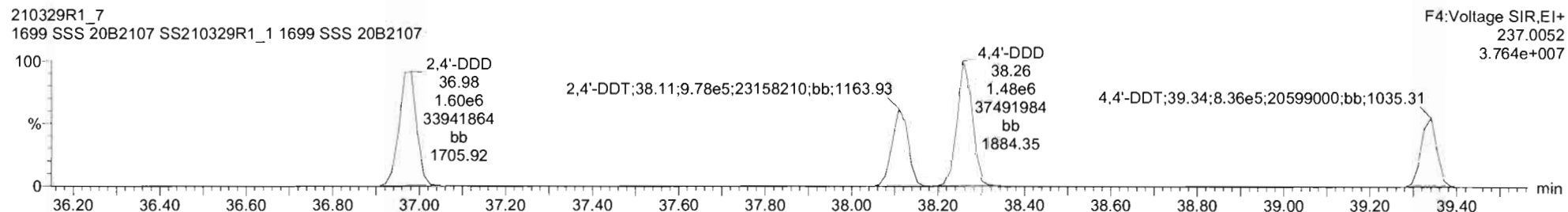
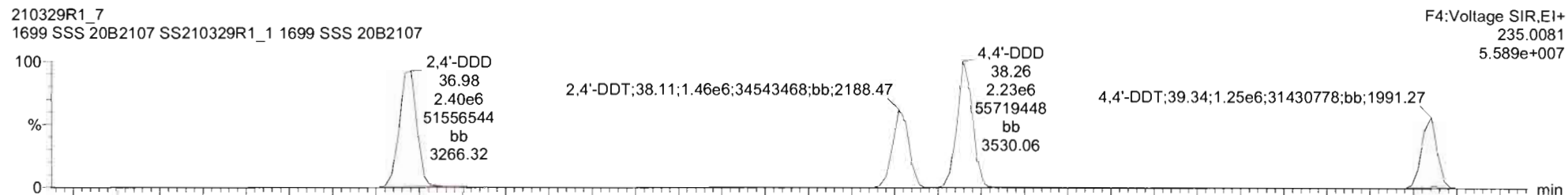
Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

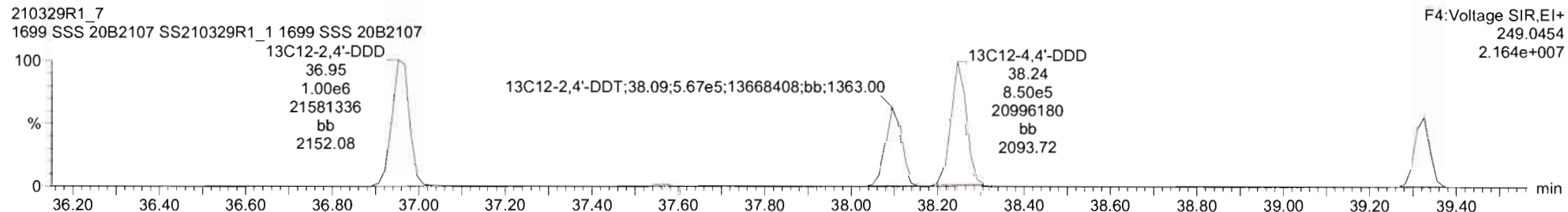
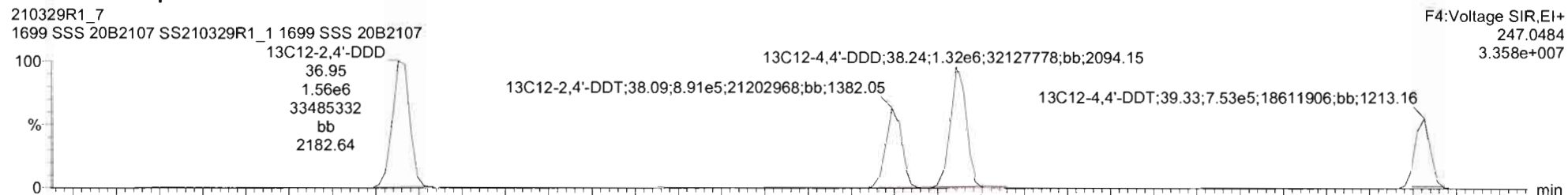
Printed: Wednesday, March 31, 2021 12:40:03 PM Pacific Daylight Time

Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

DDD-DDT



DDD-DDT-isotopes



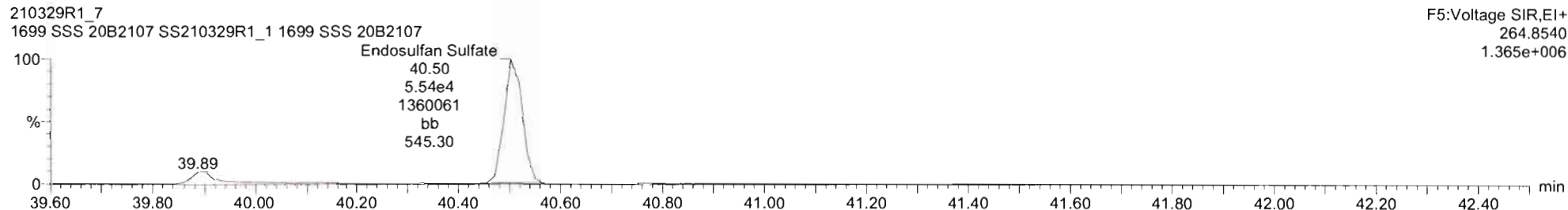
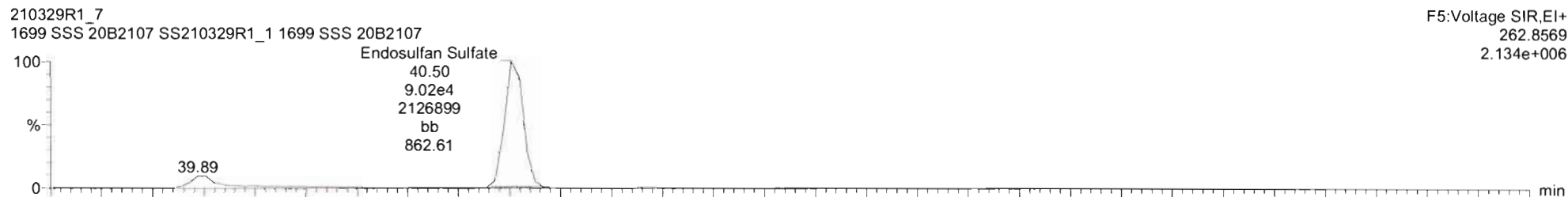
Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

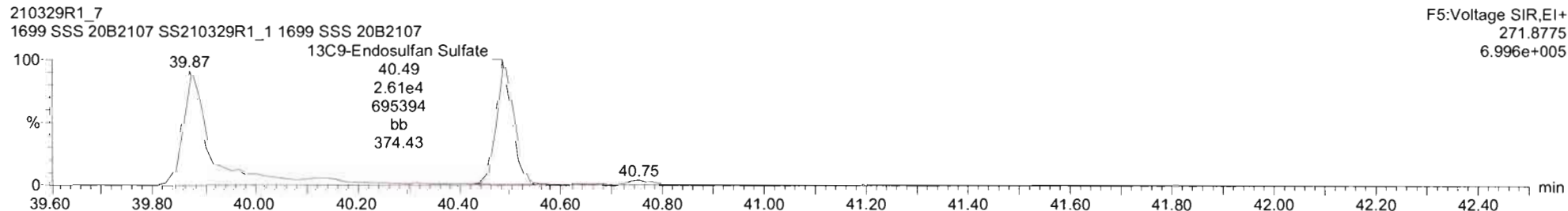
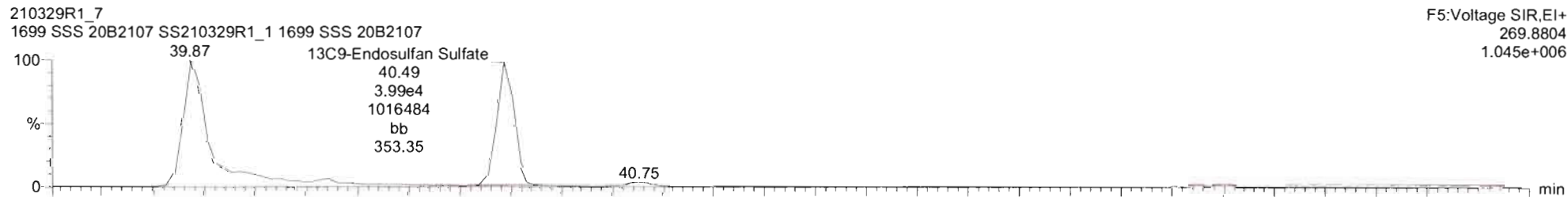
Printed: Wednesday, March 31, 2021 12:40:03 PM Pacific Daylight Time

Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

Endosulfan Sulfate



13C9-Endosulfan Sulfate



Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

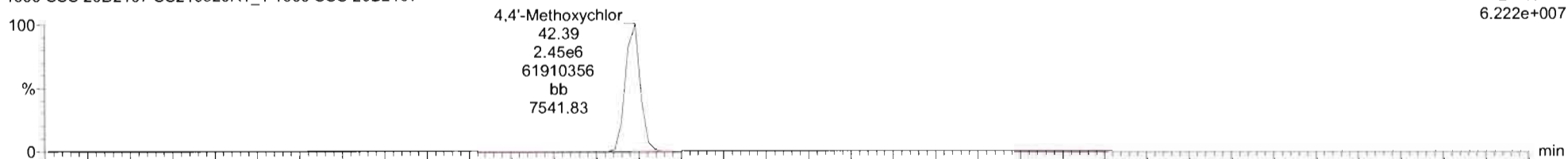
Printed: Wednesday, March 31, 2021 12:40:03 PM Pacific Daylight Time

Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

4,4'-Methoxychlor

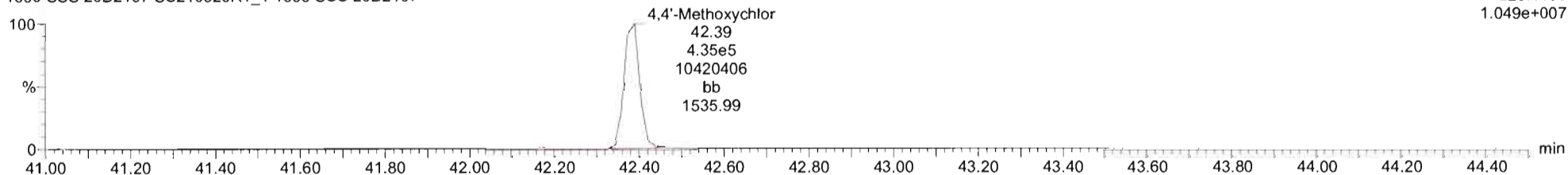
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F5:Voltage SIR,EI+
227.1072
6.222e+007



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

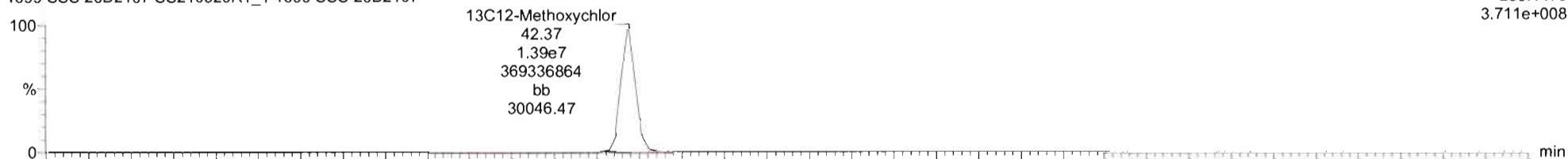
F5:Voltage SIR,EI+
228.1106
1.049e+007



13C12-Methoxychlor

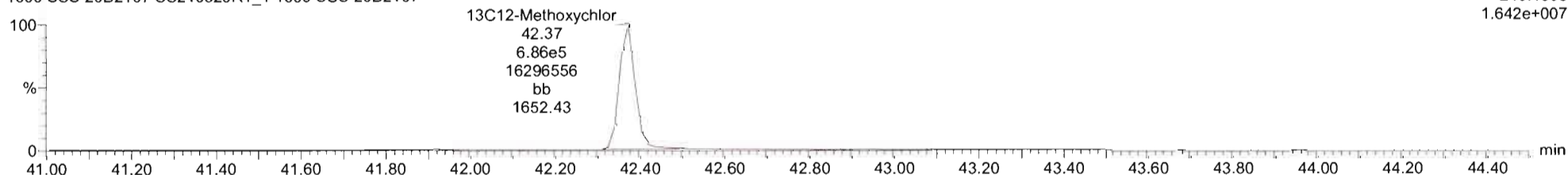
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F5:Voltage SIR,EI+
239.1475
3.711e+008

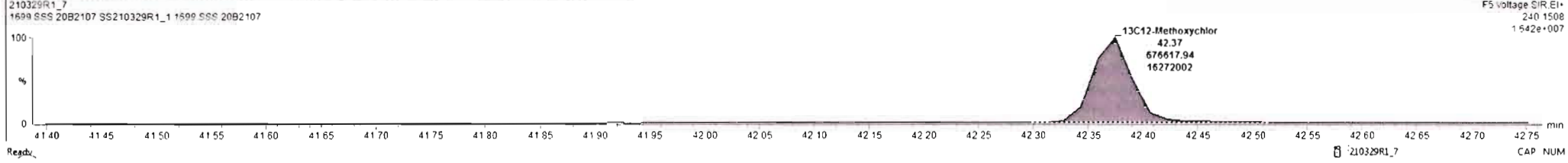
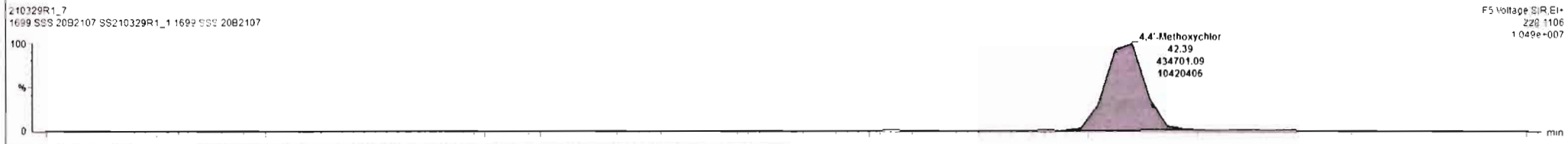
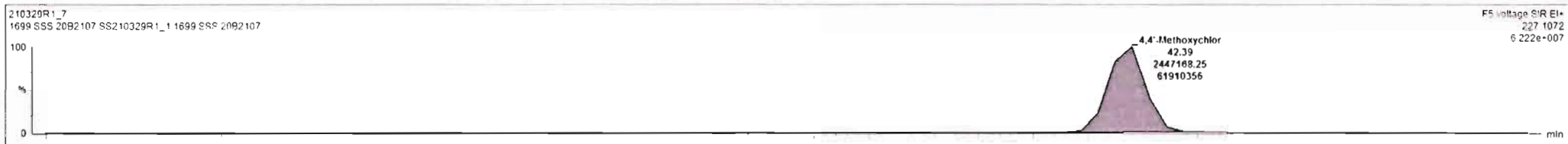


210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F5:Voltage SIR,EI+
240.1508
1.642e+007



#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
21	Endrin	4.57e5	2.25e5	49	1.55	NO	0.9769	1.000	37.68	37.71	1.001	1.000	NO	104	104	0.133	104
22	ca-Nonachlor	3.17e5	1.52e5	50	1.57	NO	1.0113	1.000	38.02	38.02	1.000	1.000	NO	103	103	0.178	103
23	Endosulfan B (beta)	9.96e4	5.01e4	51	1.61	NO	1.0079	1.000	38.73	38.75	1.000	1.000	NO	98.5	98.5	0.556	98.5
24	2,4'-DDD	4.01e6	2.56e6	52	1.50	NO	0.7802	1.000	36.95	36.98	1.001	1.000	NO	100	100	0.104	100
25	2,4'-DDT	2.44e6	1.46e6	53	1.50	NO	0.7506	1.000	38.11	38.11	1.000	1.000	NO	112	112	0.171	112
26	4,4'-DDD	3.72e6	2.17e6	54	1.50	NO	0.8456	1.000	38.28	38.28	1.000	1.000	NO	101	101	0.9999	101
27	4,4'-DDT	2.09e6	1.23e6	55	1.50	NO	0.8412	1.000	39.35	39.34	1.000	1.000	NO	101	101	0.174	101
28	Endosulfan Sulfate	1.46e5	6.60e4	56	1.63	NO	1.0514	1.000	40.49	40.50	1.000	1.000	NO	105	105	0.351	105
29	4,4'-Methoxychlor	2.88e6	1.46e7	57	5.63	NO	0.9870	1.000	42.38	42.39	1.000	1.000	NO	99.9	99.9	0.0490	99.9
30	Mrx	1.49e6	7.45e5	58	1.55	NO	0.9793	1.000	42.82	42.82	1.000	1.000	NO	102	102	0.9702	102



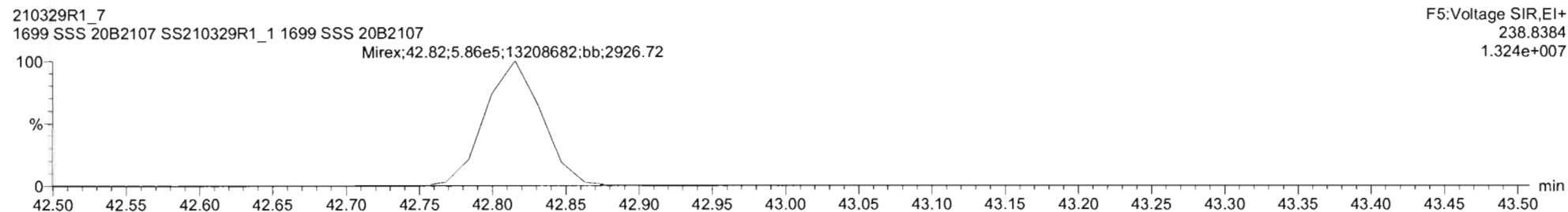
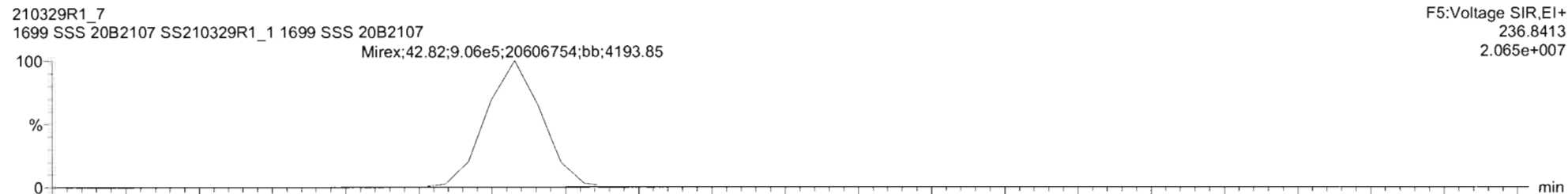
Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

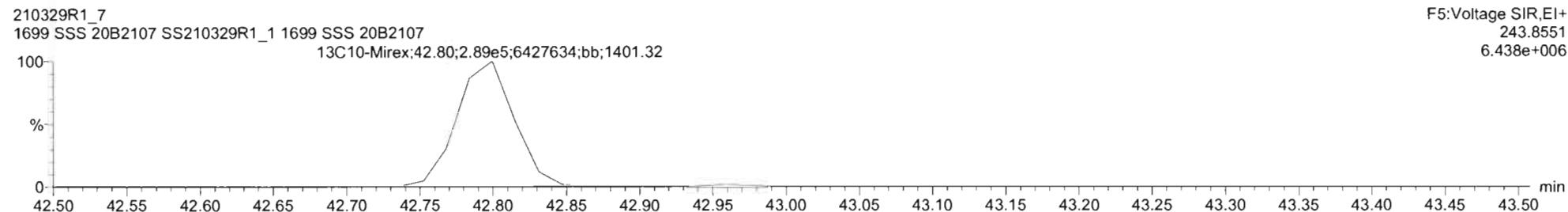
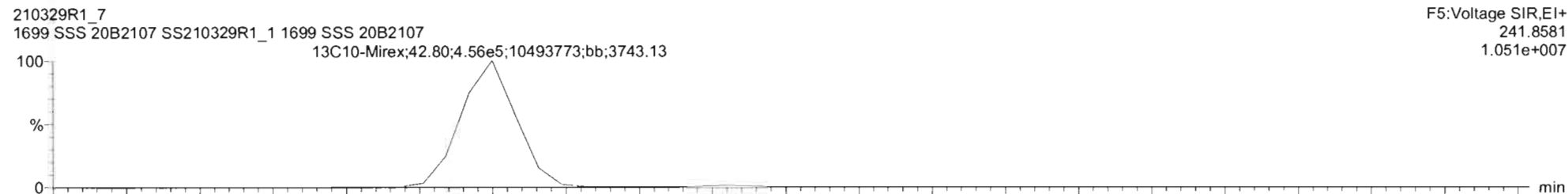
Printed: Wednesday, March 31, 2021 12:40:03 PM Pacific Daylight Time

Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

Mirex



13C10-Mirex



Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

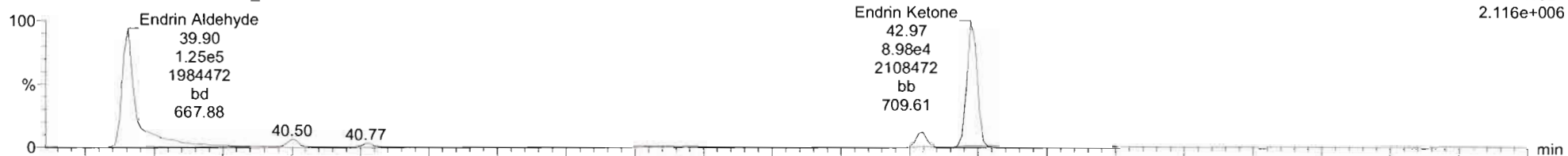
Printed: Wednesday, March 31, 2021 12:40:03 PM Pacific Daylight Time

Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

EA-EK

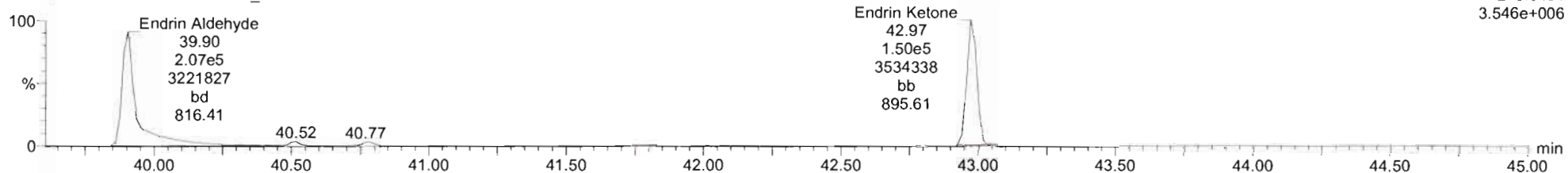
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F5:Voltage SIR,EI+
247.8521
2.116e+006



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

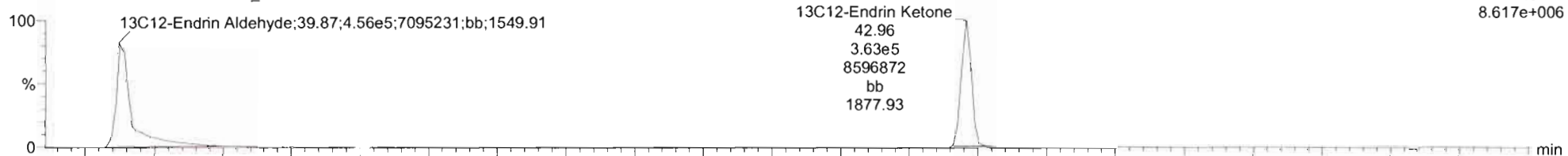
F5:Voltage SIR,EI+
249.8491
3.546e+006



EA-EK-isotopes

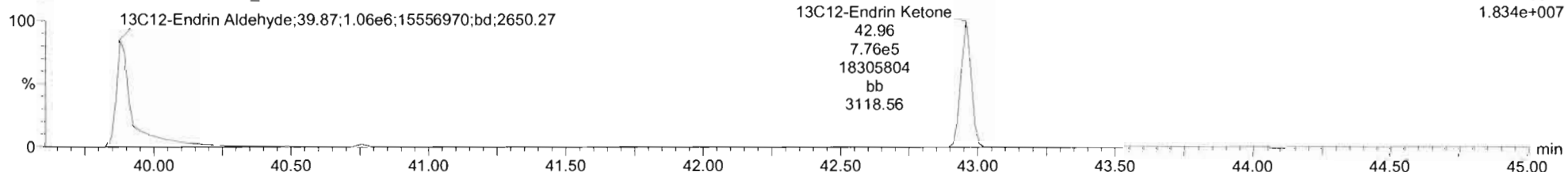
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F5:Voltage SIR,EI+
253.8722
8.617e+006



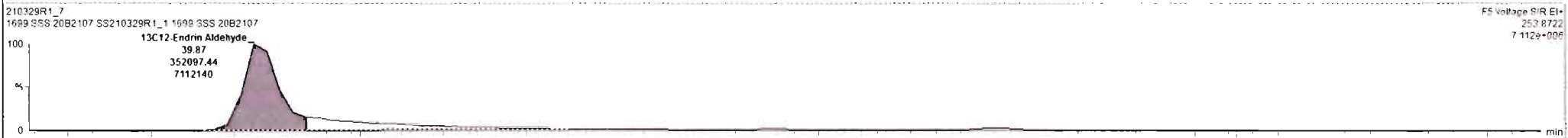
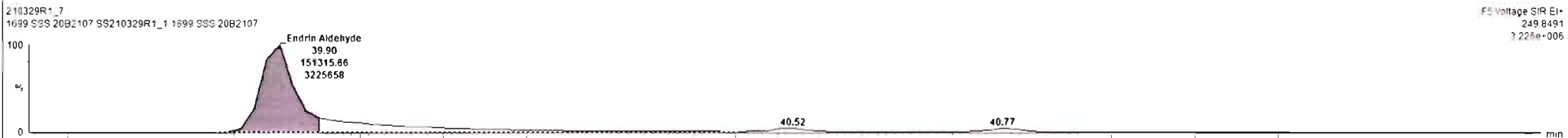
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F5:Voltage SIR,EI+
255.8693
1.834e+007



210329R1_7 - SS210329R1_1 1699 SSS 20B2107 - 1699 SSS 20B2107

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC	
21	21	Endrin	4.57e5	2.25e5	49	1.55	NO	0.9759	1.000	37.68	37.71	1.001	1.000	NO	104	104	0.133	104
22	22	cis-Nonachlor	3.17e5	1.52e5	50	1.57	NO	1.0113	1.000	38.02	38.02	1.000	1.000	NO	103	103	0.178	103
23	23	Endosulfan II (beta)	9.96e4	5.01e4	51	1.61	NO	1.0079	1.000	38.73	38.75	1.000	1.000	NO	98.5	98.5	0.556	98.5
24	24	2,4-DDD	4.01e6	2.56e6	52	1.50	NO	0.7802	1.000	36.95	36.98	1.001	1.000	NO	100	100	0.104	100
25	25	2,4-DDT	2.44e6	1.46e6	53	1.50	NO	0.7505	1.000	38.11	38.11	1.000	1.000	NO	112	112	0.171	112
26	26	4,4-DDD	3.72e6	2.17e6	54	1.50	NO	0.8456	1.000	38.26	38.26	1.000	1.000	NO	101	101	0.0999	101
27	27	4,4-DDT	2.09e6	1.23e6	55	1.50	NO	0.8412	1.000	39.35	39.34	1.000	1.000	NO	101	101	0.174	101
28	28	Endosulfan Sulfate	1.46e5	6.69e4	56	1.63	NO	1.0514	1.000	40.49	40.50	1.000	1.000	NO	105	105	0.351	105
29	29	4,4'-Methoxychlor	2.88e6	1.46e7	57	5.63	NO	0.9870	1.000	42.38	42.39	1.000	1.000	NO	99.9	99.9	0.0490	99.9
30	30	Mirex	1.49e6	7.45e5	58	1.55	NO	0.9793	1.000	42.82	42.82	1.000	1.000	NO	102	102	0.0702	102



Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

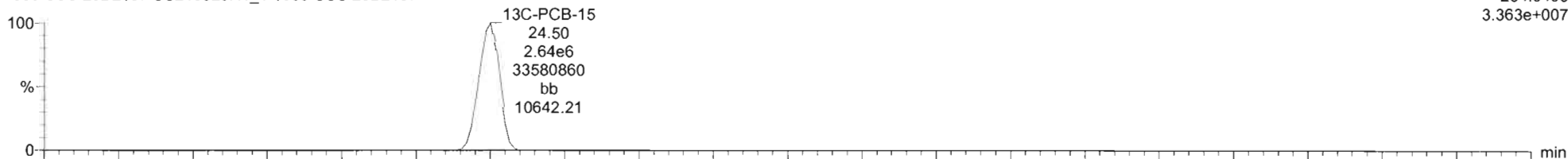
Printed: Wednesday, March 31, 2021 12:40:03 PM Pacific Daylight Time

Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

13C-PCB-15

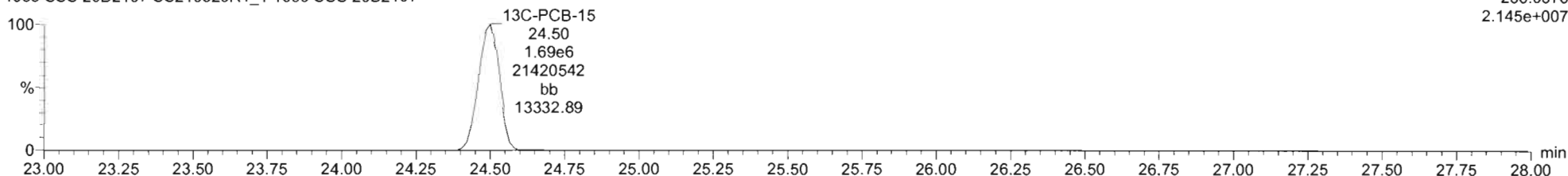
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F2:Voltage SIR,EI+
234.0406
3.363e+007



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

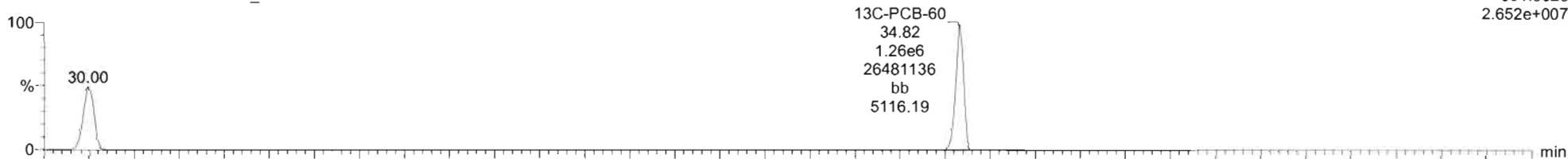
F2:Voltage SIR,EI+
236.0376
2.145e+007



13C-PCB-60

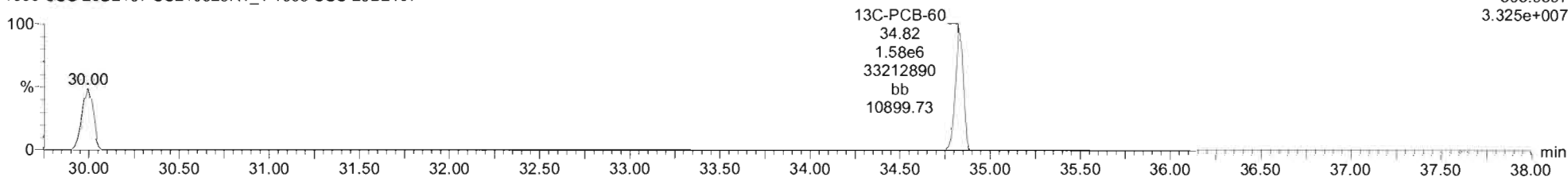
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F3:Voltage SIR,EI+
301.9626
2.652e+007



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F3:Voltage SIR,EI+
303.9597
3.325e+007



Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

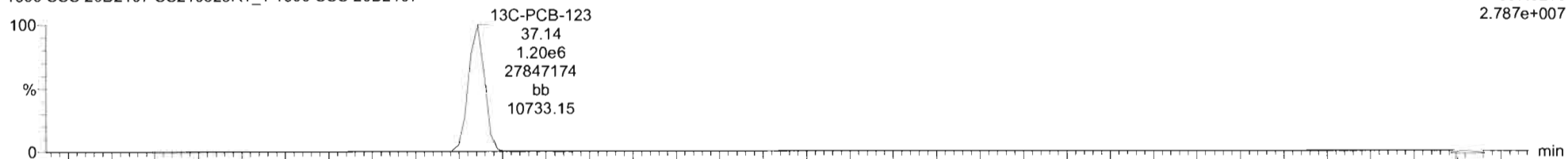
Printed: Wednesday, March 31, 2021 12:40:03 PM Pacific Daylight Time

Name: 210329R1_7, Date: 29-Mar-2021, Time: 22:21:21, ID: SS210329R1_1 1699 SSS 20B2107, Description: 1699 SSS 20B2107

13C-PCB-123

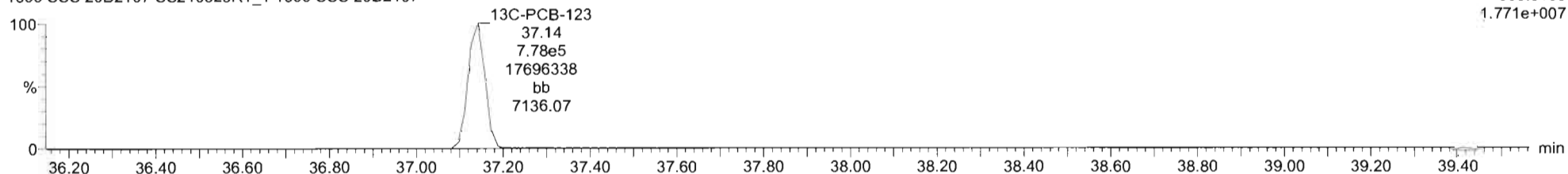
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F4:Voltage SIR,EI+
337.9210
2.787e+007



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

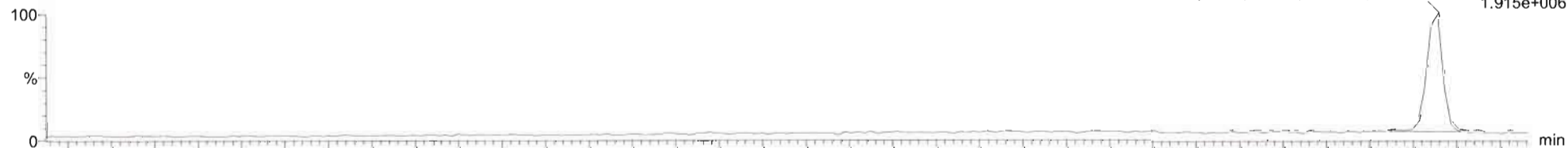
F4:Voltage SIR,EI+
339.9180
1.771e+007



13C-PARLAR 39

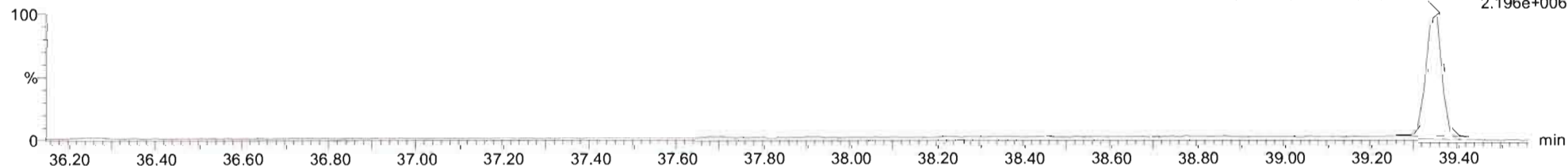
210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F4:Voltage SIR,EI+
251.9648
1.915e+006
13C-PARLAR 39;39.36;7.60e4;1778724;bb;76.64



210329R1_7
1699 SSS 20B2107 SS210329R1_1 1699 SSS 20B2107

F4:Voltage SIR,EI+
253.9619
2.196e+006
13C-PARLAR 39;39.36;9.22e4;2143533;bb;172.17



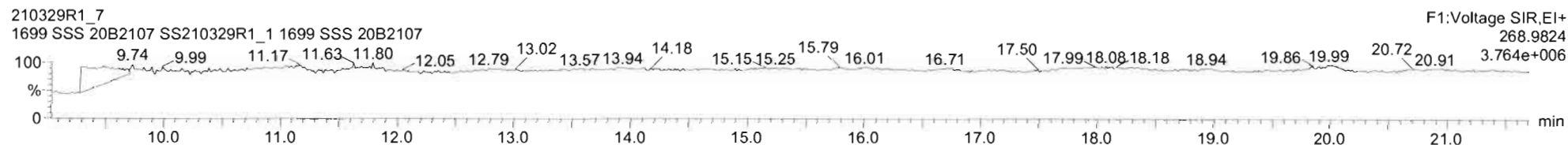
Dataset: U:\VG12.PRO\Results\210329R1\210329R1_7.qld

Last Altered: Wednesday, March 31, 2021 12:37:49 PM Pacific Daylight Time

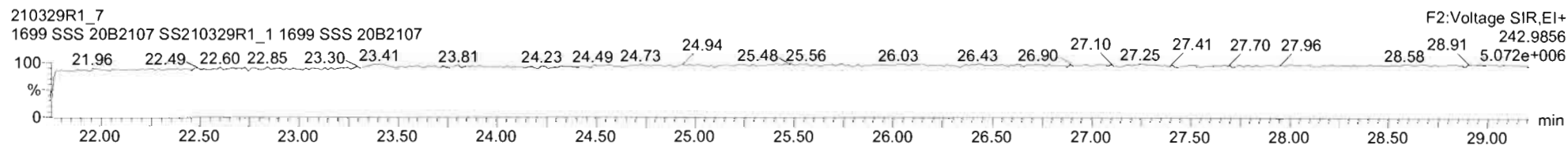
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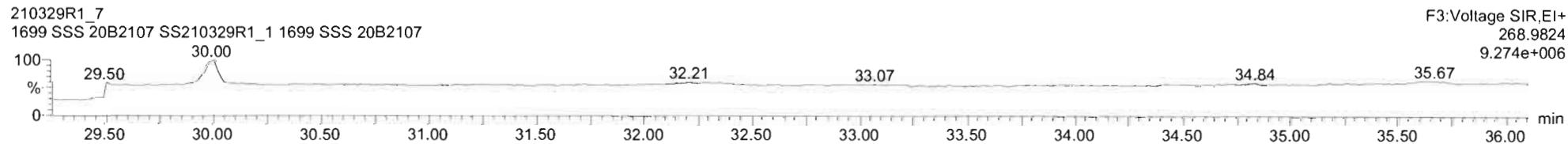
PFK1



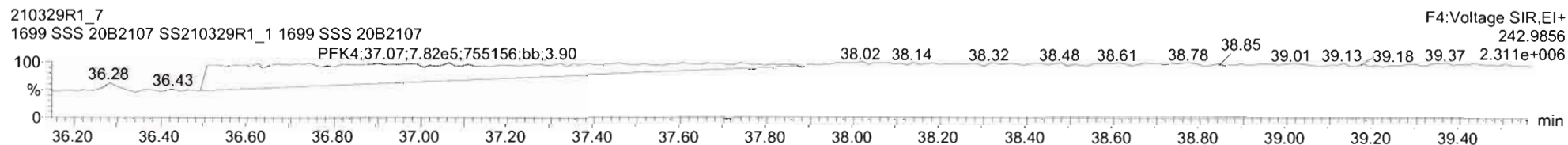
PFK2



PFK3



PFK4



PFK5

